





1.0



1.1



1.25



2.8



3.15



3.6



4.0



4.5



1.4



2.5



2.2



2.0



1.8



1.6



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**AAMRL-TR-84-017  
Volume 1**



**OVERGROUND EXCESS SOUND ATTENUATION (ESA)**

**Volume 1. Experimental Study For Flat  
Grassy Terrains**

**Robert G. Powell**

**AD-A191 289**

**June 1987**

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**ARMSTRONG AEROSPACE MEDICAL RESEARCH LABORATORY  
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AAMRL-TR-84-017 Vol. 1

This report has been reviewed by the Office of Public Affairs (PA) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.

This technical report has been reviewed and is approved for publication.

**FOR THE COMMANDER**



HENNING E. VON GIERKE, Dr Ing  
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Block 19. - Abstract (Continued)

The noise data come from 10 microphones spaced along a 2400 M propagation path. Appendix B lists one-third octave band, overall and A-weighted ESA values in dB. Also included in this appendix are measures of temperature, relative humidity, wind velocity, wind vector relative to source-receiver position, temperature and wind gradients, and meteorological observations. The data in this volume was used to develop a new USAF ESA model which is presented in Volume 3.

## PREFACE

This research and report were accomplished by the Armstrong Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base, Ohio, under Project/Task 723107, "Technology to Define and Assess Environmental Quality of Noise From Air Force Operations."

The author gratefully acknowledges the assistance of: (1) AAMRL personnel: Lt. Thomas Rau for his assistance in acquiring and analyzing the noise and meteorological data, Mr. John Cole for his assistance in developing data processing programs, Mr. Harald Hille for his assistance in equipment preparation; (2) Mr. John Means of the 4950th Test Wing for his assistance in directing the field tests and orientation of pilots; and (3) University of Dayton Research Institute personnel: Mr. Keith Kettler, whose effort towards assuring equipment preparedness and calibration were especially appreciated; Mr. Henry Mohlman and Mr. Fred Lampley for their assistance in software development and data reduction; and Mrs. Charlene Dunson and Ms. Sandra Schwarber for their typing, proof reading and editing of this report.

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## INTRODUCTION

The Armstrong Aerospace Medical Research Laboratory (AAMRL, formerly Air Force Aerospace Medical Research Laboratory, AFAMRL) is responsible for developing technical procedures to predict noise in communities resulting from military aircraft operations. The predictions procedure established by AAMRL and used Air Force-wide (and by the Navy/Marine Corps, others) is a computer program, NOISEMAP, and associated datafile, NOISEFILE (References 1 thru 7). Using the noise characteristics of each aircraft in NOISEFILE along with operational data from each base (e.g. type and number of aircraft, flight paths, power settings) and knowledge of yearly meteorological conditions, NOISEMAP predicts equal noise exposure contours around an airbase in terms of day-night average sound levels and other psychoacoustic metrics. AAMRL continues to conduct research to improve the scope and accuracy of these NOISEMAP/NOISEFILE procedures.

One such improvement needed is in modeling excess sound attenuation for the overground propagation of noise (References 2, 8 and 9). Excess sound attenuation (ESA) is the attenuation of sound in excess of that caused by geometrical divergence and atmospheric absorption. Some of the factors contributing to ESA are: (1) temperature and wind gradients (refraction); (2) wind vector relative to source (up and down wind propagation); (3) ground cover such as concrete or grass (reflection and absorption); (4) wind turbulence (scattering); and (5) obstacles such as hangars or apartment buildings (shielding). The ESA model presently used in NOISEMAP/NOISEFILE for the prediction of community noise is from work done in 1967 under a NASA contract (Reference 10). The AAMRL ESA study was undertaken to improve or verify this NASA model (which has a small data base and gives large variance in predicted values) and, if practical, determine ESA as a function of ground cover/meteorology for each airbase. Because of contouring problems in NOISEMAP, the customizing of

ESA functions to specific airbases was not practical and was therefore not an objective.

The approach for this study was to acquire meteorological and noise data on a great number of aircraft ground runups where the sound propagation paths were along typical airbase terrain, i.e. grassy, flat ground. Many noise samples were acquired in one and two hour block segments where most test parameters remained constant while others varied as monotonic functions. The calculated ESA values for closely spaced runups (time-wise), show that meteorology (wind/temperature profiles), ground cover, and possibly slight ground undulations play a critical role in defining ESA. NOISEMAP, on the other hand, requires average ESA values to describe an average noise exposure. Thus AAMRL personnel designed an ESA study that would be used to obtain statistically significant (average) ESA values and at the same time provide high quality noise data with some weather data that approaches micro-meteorological measurements.

The results of this research effort are presented in a multivolume report. This volume, Volume 1, presents all of the measurements (noise, temperature, winds, etc.), observations (cloud cover/fog) and calculated ESA values during this 15-month study. Volume 2 (Reference 11) presents a statistical analysis of this ESA data and compares results to theoretical predictions and other ESA studies. The final volume, Volume 3 (Reference 12) discusses different models and algorithms for computing ESA and recommends a new NOISEMAP/NOISEFILE ESA algorithm based on this ESA study for moderate downwind conditions.

In most acoustic experiments, especially those conducted outdoors, the number of experimental parameters is many times larger than those controlled or measured. It's the control, measurement and (in some cases) measurement technique of the more significant parameters which: (1) dictates the allowable application of one set of results to another set of circumstances; (2) explains the deviation of the data; (3) determines the amount

of data to be acquired; (4) limits the phenomena that one is trying to explain; and/or (5) establishes the uniqueness of each study. This report describes which parameters were controlled, measurements taken, equipment accuracy and measurement techniques. The ultimate results of this study (Volume 3, Reference 12) are applicable to NOISEFILE/NOISEMAP but might not be appropriate for application to other data bases.

The many pages of data presented herein were only made practical by use of several specially-developed computer programs. These programs are an integral part of this whole ESA study and, as such, their value to other experiments is questionable. For this reason they are not being published but individual or organizational requests for additional information concerning them will be entertained. Send such request to AAMRL/BBE, Wright-Patterson Air Force Base, Ohio 45433 - or call (513) 255-3605.

## FIELD TESTS AND INSTRUMENTATION

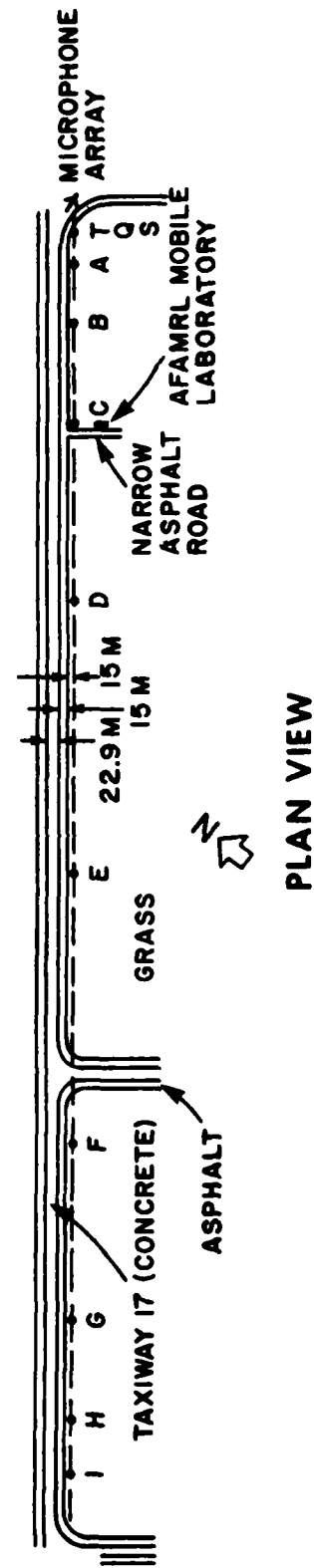
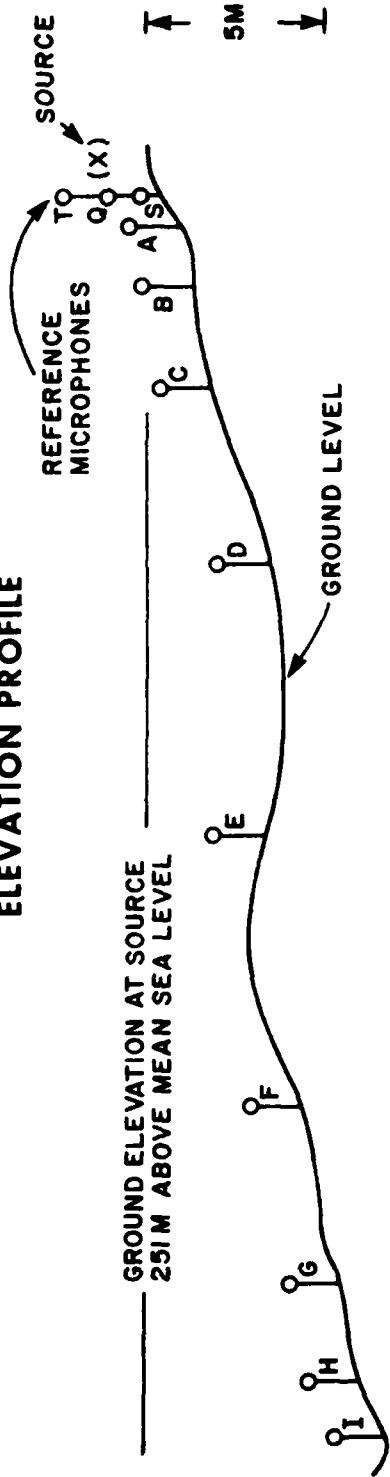
This section is divided into several subsections describing the test site, noise source, microphones, Mobile Acoustic Laboratory, REMOTEPAKS and meteorological equipment. Comments are also given in some subsections concerning why certain procedures/techniques were used in this study.

### Test Site

The test site was 2400 m (7900 ft) segment of flat grassy terrain along Taxiway 17 of Patterson Field in the Wright-Patterson Air Force Base complex. At this particular site (Figures 1 and 2) aircraft could perform engine runups at either end of a microphone array. This test feature provided a simple means of acquiring up and down-wind noise data while other test parameters remained nearly constant. In the plan view of Figure 1 the aircraft is in position to run its inboard right engine, engine number 3, at maximum power for an ESA event. After one or more events the aircraft taxied forward 300 m (1,000 ft) to the runway and took off for a flight mission or taxied down the runway and set up for an ESA test at the other end of the microphone array (Figure 2). Similarly, some of the aircraft that landed taxied to the runup area in Figure 2 and ran up engine 3 for another event.

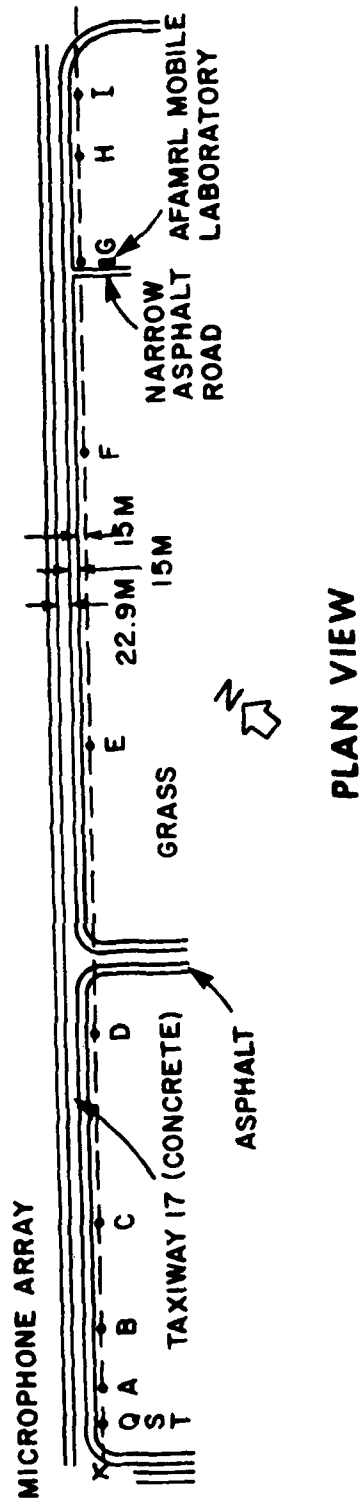
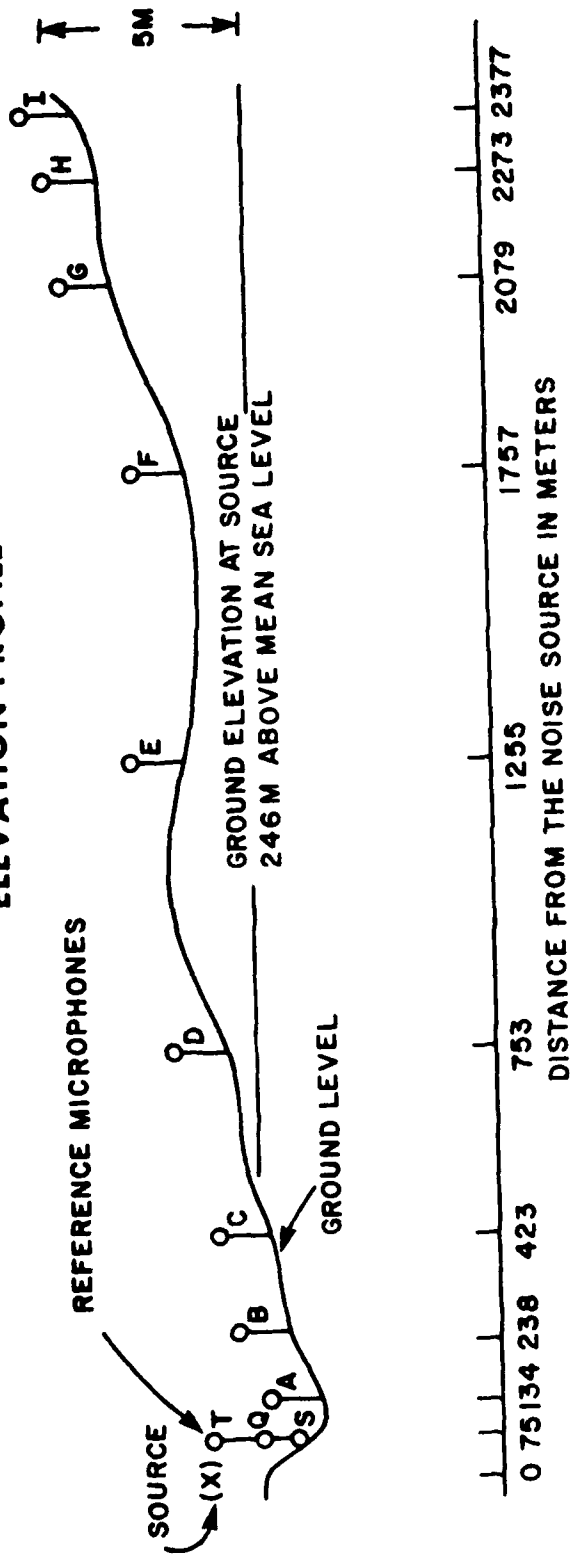
The propagation path between the reference microphones (T, S, and Q) and all other microphones (A through I) were covered with grass except the narrow asphalt road and one taxiway. The elevation profile shown in these figures appears to have large land fluctuations which were really insignificant when viewed on-site. This elevation exaggeration is in part just that, i.e., the vertical scale in Figures 1 and 2 is 70:1 compared to the horizontal scale. Another fact not apparent when on-site is that the airstrip has a difference in elevation between one end of the runway and the other. This difference is greater than the 5 m (16.4 ft) shown for the segment used for the ESA tests. The terrain from source to all microphones was fairly flat and grassy

# ELEVATION PROFILE



PLAN VIEW

# ELEVATION PROFILE



(coarse grass), typical of many air bases. Most land deviations from the 5 M slope were man created to provide drainage for the summer thunderstorms that frequent this geographic area. The land was also fairly flat on either side of the propagation path and had no large reflecting surfaces within 1000 M of the path or noise source.

A problem with this and many other test sites was variation in background noise. Noise measurements from thirty-seven events were valueless because of high background level from unexpected engine trimming operations, helicopter activity or takeoff/landing operations. All data presented herein are void of background noise as explained in the DATA RESULTS section of this report.

#### Noise Source

Three noise sources were available for the ESA study. The C-135A aircraft with its 13,500 pounds thrust J57-P-59 turbojet engines was the noisiest and easiest to obtain; and therefore it was used 98 percent of the time. The other two noise sources used were the C-135B aircraft with its 18,000 pounds thrust TF33-P-5 turbofan engines and the C-141B with its 21,000 pounds thrust TF33-P-7s. Up to event number 101, flight scheduled aircraft were used as the noise source and, as such, all three aircraft were employed in our tests. Because of scheduling and background noise problems all events from 101 and upward used dedicated C-135As for the noise source. Of the 415 events used in the database only eight were from C-135Bs or C-141s.

Another noise source parameter affecting how the noise is propagated is the height of the engine above the ground. Both the C-135A and B models have their engine centerline at 1.52M (5 feet) from the ground to the engine's centerline. On the C-141A this same measurement was 2.44M (8 feet).

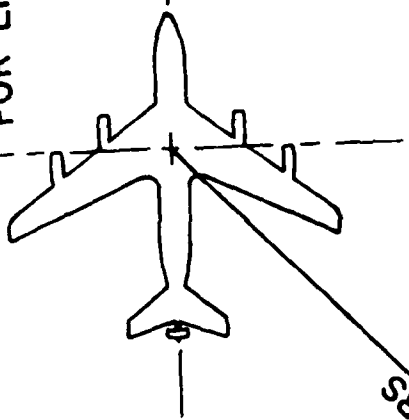
The runup locations had special lines painted on the taxiways which the pilot followed to park his aircraft in the proper orientation for the ensuing event. These lines were used to: (1) orient the aircraft for maximum noise radiation along the microphone array, (2) permit the pilot to park the aircraft himself (as opposed to requiring a ground crew member to be an on-site flagman directing the parking), and (3) provide the maximum amount of concrete and asphalt between the noise source and the reference microphones.

As previously stated, this study was designed to derive ESA values applicable to the data acquired for NOISEFILE. To do this the aircraft was parked as if noise data were going to be acquired every 10 degrees as is done for NOISEFILE, Figure 3. In the ESA study, however, only one microphone location was on the semi-circle (maximum noise radiation, 135 degrees) with the rest of microphones extending outward on that same radial. A closer and more detailed view showing the relationship between aircraft centerline, engine centerline and exhaust nozzle exit plane of the inboard engines (numbers 2 and 3) is shown in Figure 4. ESA data derived from this configuration are directly applicable to the NOISEFILE data previously acquired on this aircraft.

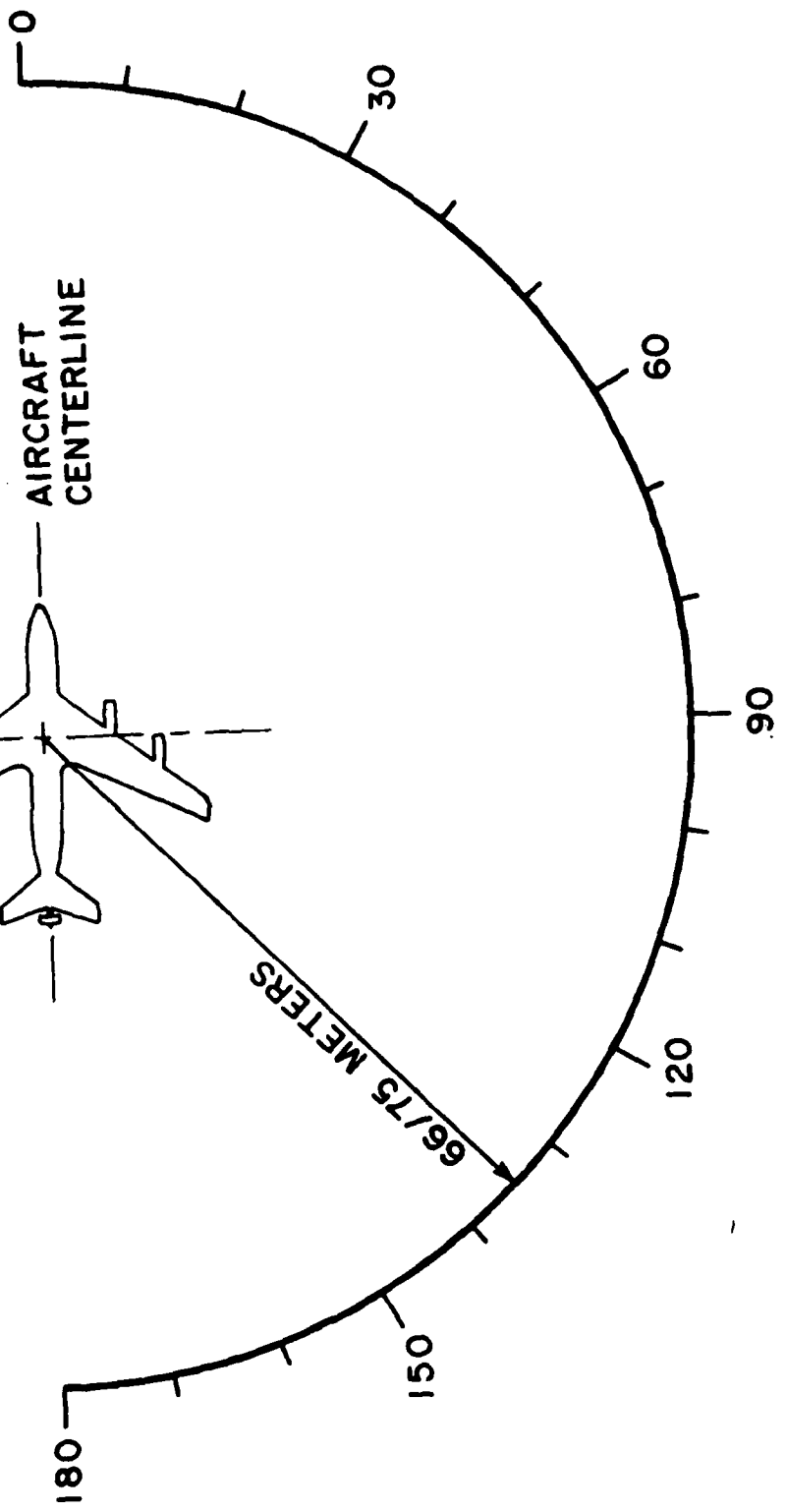
After parking his aircraft and applying his brakes the pilot would stabilize engine #3 at maximum takeoff power. The engine stayed at this power setting (a minimum of 30 seconds) until instructed to reduce the power to idle. The overall noise level produced during any event was quite constant (usually  $\pm 1$  dB standard deviation) at the reference microphones. However, since the maximum takeoff power that the engine can produce is dependent upon air temperature the overall levels could change from day to day and sometimes from one hour to the next during rapid temperature changes. This played no role in determining ESA values; values calculated from the difference in noise levels between microphones.

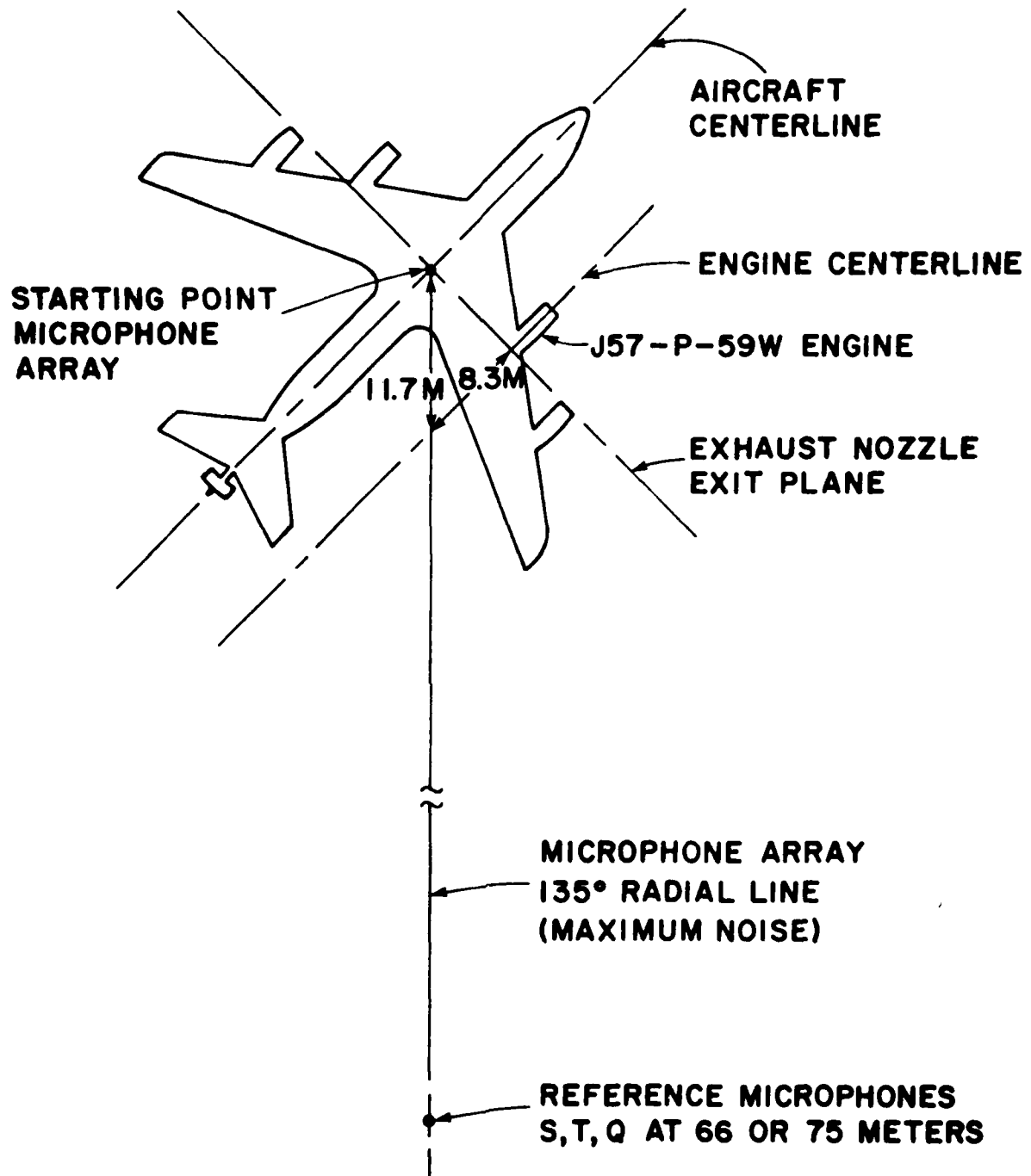


EXHAUST NOZZLE EXIT PLANE  
FOR ENGINE NO. 2 OR 3



AIRCRAFT  
CENTERLINE





## Microphones

This section explains microphone location and designation, types of microphone systems and their installation and the technique used in acquiring reference noise data.

### Location and Designation

Microphones were placed on a 135' radial line from the aircraft, Figure 4. This line is parallel to taxiway 17 and was independent of ground runup location, Figures 1 and 2. The reference microphones (designated as S,T and Q) were closest to the aircraft with other microphones spaced at 5 dB down locations (based on inverse square law only). Since both runup areas used the same straight-line microphone array, the microphones were more dense at the ends and the 5 dB down spacing stopped at the middle of the arrays. For computer storage/retrieval and record keeping, the arrays were numbered. Odd numbers (01,03,05) were given to the array when the aircraft was at the northeast runup area. The array numbers were changed when substantial instrumentation changes were made and to denote blocks of time. Thus, the odd numbered arrays were: (1) Array 01 from November 1979 to June 1980; (2) Array 03 from September 1980 to early October 1980; (3) Array 05 from mid December 1980 through February 1981. The even numbered arrays (02,04,06) designate an aircraft runup at the southwest area and covered the same respective time periods. An additional array, 08, was designated for a few events in September 1980 when the reference microphones were not working and replaced with a scanning microphone, Q (discussed later in this section).

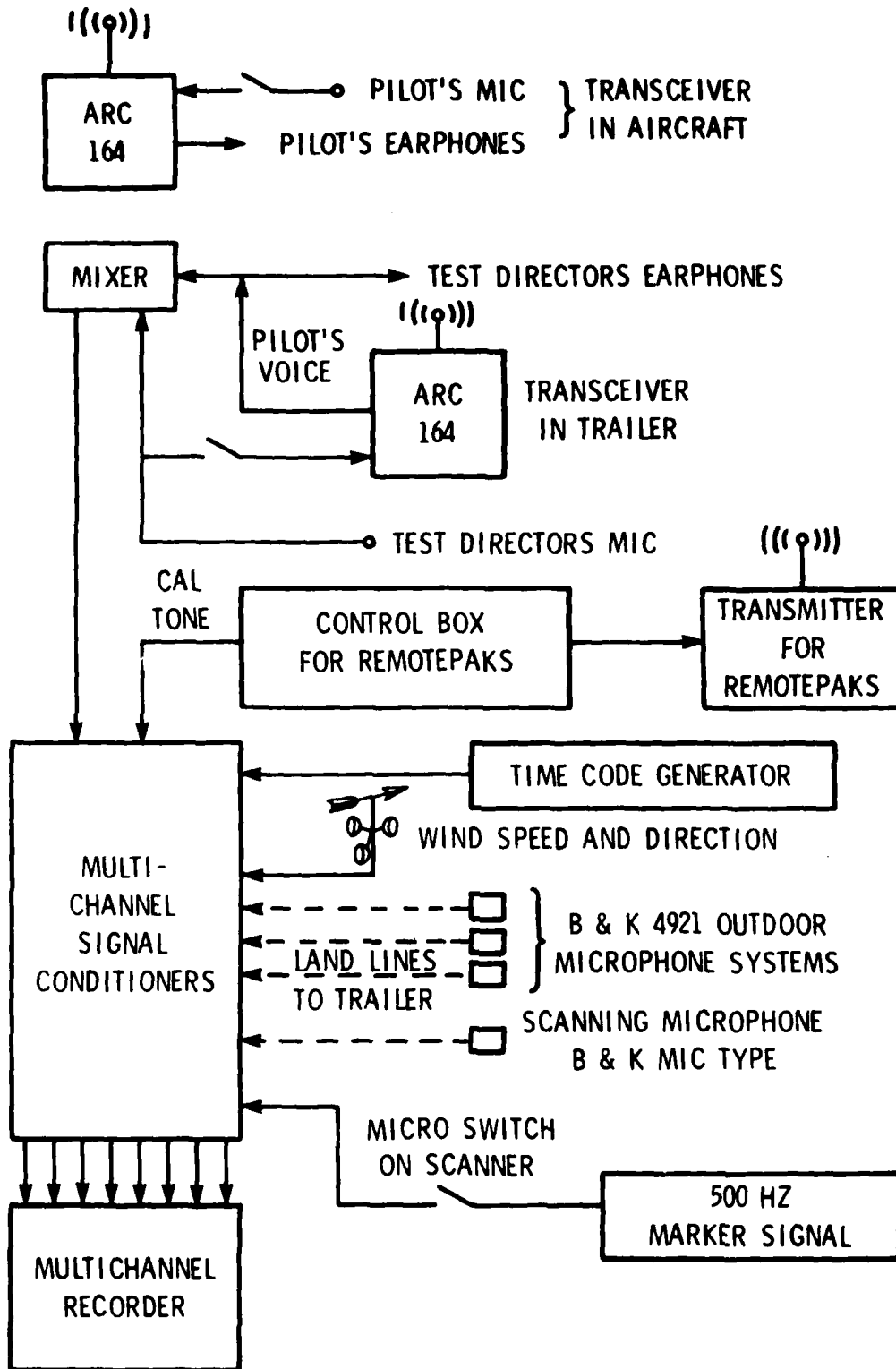
## Types and Installation

Microphone systems A through I were Bruel and Kjaer outdoor systems type 4921 installed at a height of 1.5M (5 feet). Normal installation for these units is upright (for proper rain protection) which results in parallel incidence of the propagating wave from either noise source runup area. Microphones Q, used during a limited number of tests, were Bruel and Kjaer half inch type 4133 and were pointed at the noise source (perpendicular incidence). Microphones S and T were GENRAD half inch electret type 1962 installed in weatherproof enclosure type 9640. To maintain proper weatherproofing these were upright and therefore had parallel incidence. Microphone S was at 0.3M (1 foot) above ground level and T was at 2.4M (8 feet).

### AAMRL Mobile Acoustic Laboratory

The AAMRL Mobile Acoustic Laboratory is a semi-trailer used for housing electronic equipment needed in field tests and commanding/coordinating field procedures required in such programs as this ESA study. A plastic dome and some radio antennas were installed on top of the trailer specifically for this study. These components allowed the Test Director to visually review the test site and coordinate events with the pilot. The trailer was parked close to the only transformer in the vicinity (Figures 1 and 2) and connected to a telephone line. Electronic equipment was installed as shown in Figure 5. The next few paragraphs and the Field Measurement section discuss equipment used to acquire the noise data.

A special group of microphone, tape deck systems called REMOTEPAKs acquired noise and meteorological data at isolated locations. A REMOTEPAK is a radio controlled, battery powered, all weather microphone system with a built-in tape recorder. Each consisted of: (1) an FM receiver; (2) a tone burst sensitive control system such as used in push button telephones; (3) an automatic step attenuator; (4) an outdoor microphone system; (5)



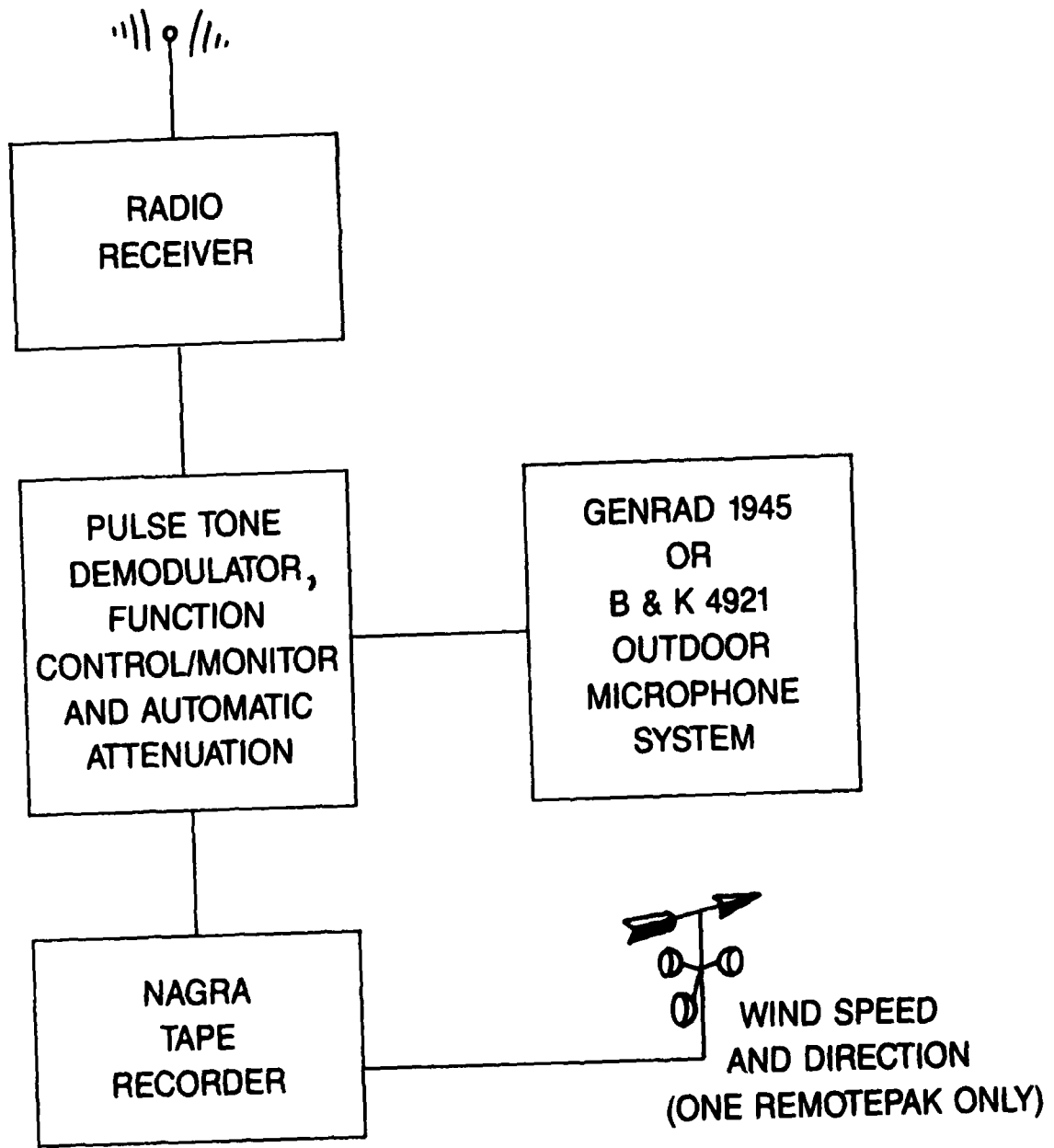
a tape recorder and (6) four each twelve volt rechargeable batteries. Figure 6 is a block diagram of a REMOTEPAK instrument.

The Test Director used a REMOTEPAK-control console and transmitter to record data with these units. Through this console he started the recorders, announced the event number, applied acoustic calibration signals, recorded electronic noise (shorted input), recorded noise data (including background noise before and after each engine runup), applied post calibration signals and stopped the tape decks. Each event recording lasted nearly one and half minutes and about 20 events were compiled on each tape. The REMOTEPAKS had enough battery power to last five days of testing. Under these conditions magnetic tapes were usually changed daily and batteries recharged weekly.

A noteworthy feature of the REMOTEPAK is its ability to automatically increase attenuation, in 10 dB steps, whenever the signal is high enough to overload the recorder. Except for a few automatic attenuation steps caused by high winds the attenuator only triggered the step attenuator as the engine power was coming up and stabilizing, i.e. the attenuation stepping was completed before the testing began. The total change in attenuation caused by this stepping was easily calibrated through the comparison of the pre and post calibration signals.

#### Meteorological Monitors

Temperature measurements were taken from temperature probes mounted on a 9.1 M (30 feet) tower near the Mobile Lab. Thermistors (Yellow Springs Instrument Company) installed at 0.3 M (one foot), 1.5 M (six feet) and 9.1 M (30 feet) on the tower were read to obtain temperature differences from near ground level to maximum allowable height in a Cleared Zone (a special zone on air bases where no permanent structures are allowed). The electronics and read out meters for these probes were in the Mobile Lab. Temperature measurements were announced twice on the



voice channel for each event: (1) as the engine was being established and (2) just before the engine power was reduced.

Wind speed and direction (Climatronics MK III) were recorded on magnetic tape. The number of components and their location and height varied during the study as listed in Table 1.

The humidistat (Thunder Scientific Corporation) was located near (within 10 feet) the temperature tower in a special rain/snow proof, screened-in housing at 1.5 M (five feet). Similar to the temperature probes, its electronics and read out meters were in the Mobile Lab, and the Test Director announced humidity on the voice channel during each event.

Meteorological measurements monitored by the Wright-Patterson Air Force Base meteorological staff were read hourly and are presented herein as a general part of the data base. Air temperature, dew point, barometric pressure, and wind direction and speed are presented in tabular form in Appendix B. Wind was monitored at 1.5 M (5 feet) and temperature at 3.0 M (9.8 feet) above the ground. This type of information is acquired at all air bases and is used to obtain monthly/seasonal statistics. If ESA values are made weather-dependent then these statistics would be used to help determine base-specific ESA values.



TABLE 1  
 INFORMATION REGARDING WIND SPEED AND DIRECTION MONITORS

Wind Monitor Designation		Microphone Location Near Wind Monitor		Height in Meters of Monitor Above Ground Level		
		Array		Event Numbers		
Speed	Direction	01,03,05	02,04,06	034-100	101-329	330-492
S1	D1	C	G	1.5	2.0	1.8
S2	D2	F	D	1.5		1.8
S3		C	G		0.9	1.0
S4		F	D			1.0

## FIELD MEASUREMENTS

This section of the report describes the procedures followed in the day-to-day routine of taking noise data and the unique microphone scanning technique used to acquire reference noise.

### Procedures

The procedure used in conducting the ESA tests were simple and straightforward. The instruments were frequently calibrated and during each event the conversation between the aircraft crew and test director were recorded. Early morning hours were chosen most often in order to have the best signal to noise ratio, i.e. when other aircraft/airbase activity was minimal. Land lines between microphones and the mobile lab were used where practical, and many microphone systems had dual roles, Table 2. Instrumentation showing inconsistent acoustic calibration levels were quickly replaced and visual checks were made at each runup area to assure that aircraft alignment was correct. In the morning hours when the weather was slowly changing (sun rising, temperature gradient changing, wind at zero or just beginning to increase) several events would be recorded at one runup area prior to having the aircraft move to the other area for a series of events.

In consideration of the above a recording of an event contained such information as: (1) an event number; (2) an acoustic calibration; (3) a request to bring the engine number two to maximum power; (4) an announcement when it was at maximum power; (5) a reading of the temperature and humidity; (6) values of amplification for each recorder channel; (7) comments concerning possible background noise problems (e.g. helicopter

TABLE 2  
 INSTRUMENTATION USED AT EACH MICROPHONE LOCATION

Microphone Location Array	Microphone System Type	Remarks
01,03,05 02,04,06,08		
A	B&K Outdoor Mic System 4921	Land Line to recorder in Mobile Laboratory
B	B&K Outdoor Mic System 4921	Land Line to recorder in Mobile Laboratory
C	B&K Outdoor Mic System 4921	Land Line to recorder in Mobile Laboratory
D	B&K Outdoor Mic System 4921	REMOTEPAK
E	B&K Outdoor Mic System 4921	REMOTEPAK
F	B&K Outdoor Mic System 4921	REMOTEPAK (Also recorded wind speed/direction)
G	B&K Outdoor Mic System 4921	REMOTEPAK
H	B&K Outdoor Mic System 4921	REMOTEPAK
I	B&K Outdoor Mic System 4921	REMOTEPAK
Q	B&K Mic Type 4133	Land Line to recorder to Mobile Laboratory, auto scan
S	GenRad Weatherproof Sys 9730	REMOTEPAK
T	GenRad Weatherproof Sys 9730	REMOTEPAK
	B&K Mic Type 4133	Hand-Held NAGRA Recorder, Manual Scan

activity); (8) a thirty to forty second sample of runup noise; (9) a sample of noise while engine was reducing its power to idle; and (10) a sample of background noise (which included engine noise at idle power).

The field tests were conducted from December 1979 through February 1981. During that time, noise from nearly 500 events were recorded. Up to thirty events were performed on any single day and more than half of all the events occurred between 7 to 9AM and 1 to 3PM.

### Measurement Techniques

It is again emphasized that the primary objective of this study was to obtain ESA values applicable to NOISEFILE. To provide an understanding of how microphones were used in the ESA study it is best to explain how they were used in establishing NOISEFILE. In creating NOISEFILE, noise surveys were performed on many Air Force and Navy aircraft. In accomplishing this extensive effort, battery powered tape recorders, microphones and calibration equipment were hand-carried to various air bases. Because of the differences between each base and its aircraft, a wide variety of far-field ground-cover conditions and noise source heights were encountered. In more than 75 percent of these surveys, far-field microphones were located so that at least 50 percent of the surface between the aircraft and the microphones was concrete. Most of the runup pads had some ground irregularities (drainage ditches, rough grass, etc.) crossing or near our measurement semicircle, Figure 3. A major concern was how to overcome ground reflection and impedance problems without using flush mounted microphones (too many installation difficulties and a significant increase in equipment).

To compensate for the ground irregularities and minimize the frequency dependent summation of direct and reflected sound waves from the noise source to fixed-height microphones, a unique scanning microphone technique was instituted (Reference 13). In this technique approximately five to ten seconds worth of noise

data were acquired at each location while the microphone was vertically swept from 0.5 M (1.6 feet) to 3 M (10 feet) above the projected ground plane containing the landing gear. During analysis this signal was analyzed using an integration period slightly less than the acquisition period. Sound pressure level measurements determined by this space-time integration power summation method de-emphasizes the ground reflection and impedance problems.

A similar, but much simpler, technique was used in the ESA study. Two fixed height microphones, S and T, were at the reference location with S at 0.3 M (1 foot) and T at 2.4 M (8 feet) above the ground. Noise data acquired by these microphones were analyzed into one-third octave bands with an integration period of 0.5 seconds every 0.5 seconds throughout the event, resulting in approximately 60 samples per event per microphone. A software program, OMEGA 12, used these samples to calculate an LEQ\* for each band and then combine like bands of S and T to produce a power average level called U. It is this value, U, which simulates the noise levels one would obtain from a vertical scanning microphone.

In order to determine how good this simulation is, a scanning microphone, Q, was placed alongside the fixed-height reference microphones S and T for 70 events. The scanning microphone performed a vertical traverse from 0.3 to 2.4 M over a 30 second period. The noise data from Q were analyzed the same as S and T, i.e. with a 0.5 second integration period every 0.5 seconds concluding with an LEQ calculation for each band in the event. The comparison of Q to U is presented in Table 3 and is expressed in terms of average differences. The biggest differences are in the 200 and 250 Hz bands which coincides with the bands containing the most ground reflection effects (as shown in the test results, Appendix A). Excluding these two bands, the

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\*LEQ (equivalent level) is the energy average of the one-half second integration time, root-mean-square sound pressure levels (in decibels) over the events.

TABLE 3  
COMPARISON OF REFERENCE MICROPHONE NOISE LEVELS  
Q AND U FOR 70 EVENTS

One-third Octave Band Mean Difference in LEQ for (Q-U)

1/3 OB	Q-U (dB)	1/3 OB	Q-U (dB)	1/3 OB	Q-U (dB)
25.0	-1.0	250	-2.6	2500	0.5
31.5	-1.4	315	-1.1	3150	-0.2
40.0	-1.0	400	-1.3	4000	-0.7
50.0	-1.1	500	-1.4	5000	-0.6
63.0	-1.0	630	-1.0	6300	-1.3
80.0	-0.9	800	-0.4	8000	1.2
120.0	-0.5	1000	-0.0	10000	-0.2
125.0	-0.6	1250	-0.6		
160.0	-1.3	1600	0.6	AL (dBA)	-0.5
200.0	-2.3	2000	0.8	OASPL (dB)	-1.0

average Q-U difference is -0.5 dB (if the two bands are included the average difference is then -0.7 dB). The differences between Q and U were calculated so that, if they were small, the unmanned, electrically operated scanner could be abandoned and the much simpler stationary microphones S and T could be used in its place. This being the case, most of the data presented herein are based on U data. It is believed that Q-U differences are somewhat aircraft-orientation dependent and since the ESA values were developed for independence of radiation angle, then the differences in Table 3 would not be used as correction factors to approximate U to Q.

#### CALIBRATION

All of the acoustic monitoring, recording and analyzing instruments used for this study were off-the-shelf, i.e. manufactured equipment. Several devices were specially made, however none of these were in the acoustic data-flow path and therefore required no calibration. Acoustic instruments were calibrated according to AAMRL/BBE standard procedures which are based on standard laboratory procedures, manufacturer's recommendations and ANSI Standards. Thus, microphones were comparison calibrated from 20 to 20K Hz using a National Bureau of Standards calibrated microphone as a secondary standard. Wind screens and propagation angle were included in the calibration testing. Insertion devices (with impedance matched to the microphones) were used to input sweep frequency sine waves (20 to 12500 K Hz) into each data acquisition system from the microphone pre-amplifier through the record channel. These signals along with recordings of shorted inputs and single frequency (where the input voltage was changed in 20 dB steps) were used to obtain the frequency response, electronic noise floor, linearity and

distortion of each system. These calibration signals were performed every 30 days of testing unless a system sensitivity changed more than  $\pm 1$  dB.\*

The frequency sweeps were used during data analysis to obtain correction factors for each microphone system (summation of microphone, wind screen, propagation angle and all electronic components from the pre-amplifier through the spectral analyzer). A conservative (i.e. worst case) estimate of the absolute accuracy of the data is: (1)  $\pm 2$  dB from 20 to 5000 Hz and (2)  $\pm 3$  dB from 6300 to 10,000 Hz.

## DATA ANALYSIS

### Spectral Analyzer

The recorded sound pressure levels were analyzed into one-third octave bands using a GenRad 1921 Real Time Spectral Analyzer (1921). This multi-filter analyzer has forty-two one-third octave band filters from 3.5 to 50,000 Hz and integration periods ranging from 1/8 to 32 seconds in 9 selectable periods. The analyzer has a 70 dB dynamic range and a  $\pm 0.5$  dB accuracy. To facilitate the handling of large amounts of data the 1921 was interfaced to a computer terminal that accepted and stored the one-third octave bands.

### Computer Facility

The computer, a CDC 1700 Batch Terminal, used to store and/or retrieve the data was located in a room adjacent to the 1921 Analyzer. After all the one-third octave bands had been analyzed and stored, the CDC 1700 was used as an interface to a larger computer, CDC 6600, which performed the mathematical and statistical analysis and summary tables presented in the Appendix

\*Systems with larger changes in sensitivity were repaired or replaced and also changed/replaced if the distortion became greater than 3 percent or the linearity varied more than 0.5 dB.



of this volume and much of the data presented in volumes 2 and 3 of the report.

#### Data Reduction

The field-acquired noise and calibration data were processed with the 1921 analyzer and transferred to the batch terminal for storage. The 1921 was set for passing one-third octave bands from 25 to 40K Hz. Integration time was set for one-half second and the 1921 was put into the repeat mode, the combination of which creates 27 simultaneous time histories of one-third octave bands. Frequency sweeps were analyzed first to assure that the acquisition and reduction systems were working and to obtain correction values. The pre and post-event, acoustic-calibration signals were analyzed and used to establish a known level within the 1921. The above frequency corrections along with microphone corrections and level setting were used during the analysis to give one-third octave band results independent of their system, i.e. comparison of noise data at one location to those at another were instrumentation independent.

The background noise, the noise at each microphone once the turbojet was pulled back to idle power, was also analyzed into one-third octave bands. The ambient noise was acquired immediately after each event and therefore its analysis contained the final gain settings that were used during the engine noise recording. These data were also corrected as above and stored within the computer for a later comparison to the noise bands produced by the jet engine.

The results of these analyses, corrected one-third octave bands of jet and background noise, were first stored on computer cards and later on digital tape. These analyzed quantities along with meteorological data were used as inputs to a software program, OMEGA 12, which is discussed in the next section.

## DATA RESULTS

Each of the three volumes of this ESA study have data results. The results in this report are in terms of fundamental data for each event: noise levels, ESA values, wind velocity, temperature gradients, etc. Volume 2 (Reference 11) uses these data to derive and compare models/theories. Finally, Volume 3 (Reference 12), uses the results of Volume 2 in application to aircraft ground runup noise and recommends a particular model for the U.S. Air Force to use in its prediction procedures.

The data of Volume 1, presented in Appendices A and B, are the outputs of two software programs, OMEGA 12 and 13 respectively. These programs were developed by the University of Dayton Research Institute under a contract with this Laboratory and will be discussed in this section. The discussion will be centered on explaining the format of their outputs (directly used in the appendices) and each program's purpose. Neither a discussion of the program intricacies nor definitions of commonly used acoustic quantities are considered part of this report. It is assumed that anyone using the data herein is knowledgeable in acoustic terminology/definitions. An exception to this is in the adjustment of measured source-noise to remove background noise intrusion. This is best explained by Mr. Cole in Reference 13 where he states that for the OMEGA programs:

"For each test we measured and analyzed samples of noise produced by the source to derive one-third octave band SPLs, which we will call RSPLs for this discussion. Similarly, for near-field and far-field measurements we derived one-third octave band SPLs for the background noise, which we call SPLNs. Both type spectra are stored in the data bank and used as input to OMEGA 1.4 and OMEGA 3.2, which performed the following steps to remove the influence of any background noise:

For each one-third octave band  $f$

- (1) If  $(RSPL_f - SPLN_f) \geq 16$ , then the  $SPLN_f$  had no significant influence on the  $RSPL_f$  which was used with no changes for further processing.

- (2) If  $6 < (RSPL_f - SPLN_f) < 16$ , then the  $SPLN_f$  slightly affected the  $RSPL_f$  which was corrected as follows before further processing:

$$RSPL_f = 10 \log \left[ \text{antilog} \left( \frac{RSPL_f}{10} \right) - \text{antilog} \left( \frac{SPLN_f}{10} \right) \right]$$

Such corrections ranged from 0.1 to 1.2 dB.

- (3) If  $(RSPL_f - SPLN_f) \leq 6$ , then the  $SPLN_f$  excessively influenced the  $RSPL_f$ , which was then deleted from the spectrum and not considered as data.

Generally little or no data were deleted or required correction, because the instrumentation and measurement methods provided large signal/noise ratios throughout the frequency range of interest. The OMEGA programs flagged all corrected band SPLs on all tables of measured data."

#### OMEGA 12

Twenty years ago acoustic-data analysis was accomplished on a band by band basis and the output appeared as a wavy line on a scroll of paper. This slow, painstaking process made the experimenter intimate with his data. As he analyzed and listened to this data time and again, he anticipated what each output would look/sound like and quickly questioned any deviation thereof. Today's simultaneous multi-band analyzers, however, have distanced the experimenter from his data. The OMEGA 12 program was developed to restore some of that former intimacy and to perform some calculations on individual events (not across events).

As such, this program prints out in tabular form SPL-time histories (one every one-half second) of one-third octave bands for each microphone location in an event. The SPLs in these tables were corrected for frequency response non-linearities and background noise intrusion. Each table ended with a summary section listing the minimum, maximum and mean SPLs, standard deviations and LEQs. In a similar fashion the program output wind speeds and direction time histories (also in one-half second

intervals) along with their associated statistics. Another output page was devoted to meteorological data. This page contained the air base weather data (15th Weather Squadron), wind velocity (at two microphone sites), wind profiles (during a limited number of tests) temperature as a function of height, temperature gradient and generalized sound velocity gradients. These easy to scan tables were used to review all types of data so that any questionable data could be re-analyzed and corrected.

It was also in this program that the ESA values were calculated. ESA values were obtained for each one-third octave band from the relationship:

$$ESA \text{ (at } d_2) = LEQ_{J,REF} - LEQ_{J,d_2} - 20 \log \frac{d_2}{d_1} - ATN_J(d_2 - d_1)$$

where

- $ATN_J$  = atmospheric absorption coefficient for the Jth band from SAE APR 866A
- $d_1$  = distance of reference microphone to noise source
- $d_2$  = distance of an ESA microphone (in this study, an ESA microphone was anyone of the microphones A to I) to the noise source
- $LEQ_{J,REF}$  = LEQ data for the Jth band at the reference microphone
- $LEQ_{J,d_2}$  = LEQ data for the Jth band at an ESA microphone

Since the output of each event averaged over 60 pages and contains more detail than most researchers desire, they are not going to be published as a 24,000 page technical report. There was, however, a one page output for each OMEGA 12 run (i.e. for

each event) which summarizes part of the acoustic data. This one page contains:

- one-third octave band LEQs for each reference microphone
- one-third octave band LEQs for reference "U" microphone
- one-third octave band LEQs for each ESA microphone
- overall sound pressure levels
- A-weighted sound levels
- Sample duration
- distances between microphones and noise source

and are presented in Appendix A. The summarized meteorological and ESA data from each OMEGA 12 computer run (one run for each event) are stored in a large data base for use by the OMEGA 13 program.

### OMEGA 13

The OMEGA 13 program was developed to derive weather and ground cover dependent ESA functions.

This program uses the OMEGA 12 generated data base to produce ESA versus distance curves of one-third octave bands, overall, and A-weighted levels. Since many weather and ground cover conditions were encountered during the ESA study, it was possible to perform a comprehensive parametric analysis. The OMEGA 13 Code Sheet, Table 4, shows the various parameters that can be chosen for analysis. The ESA versus distance functions shown in Volume 2 and 3 (Reference 11 and 12) of this report were derived using the OMEGA 13 software.

Another output of the OMEGA 13 was a summary of all meteorological, ground cover and ESA values. These quantities are in fact input data to the OMEGA 13 from the OMEGA 12 data base. The various quantities are formatted on the OMEGA 13 output sheets so that the user can easily scan across events to examine the subtleties between sequential acquired data. The

OMEGA 13 CODE SHEET

I. JOB DATE CARD

Col.                               Date eg.: 29 JUN 82

II. TEST SEARCH PARAMETERS -- Select a maximum of nine parameters from those listed below and fill in the desired ranges and/or codes. The decimal point is optional for all data on cards 1 and 2.

(CARD 1)

Col.                               TEST number

AFAMRL METEOROLOGICAL DATA:

WIND VECTOR (WV)	Col. (11)	-----	TO	(16)	-----	M/S
TEMPERATURE [0.3M] (T1)	(21)	-----	TO	(26)	-----	°C
TEMPERATURE [2M] (T2)	(31)	-----	TO	(36)	-----	°C
TEMPERATURE [9M] (T3)	(41)	-----	TO	(46)	-----	°C
RELATIVE HUMIDITY (RH)	(51)	-----	TO	(56)	-----	%
TEMPERATURE GRADIENT (A)	(61)	-----	TO	(66)	-----	°C

(CARD 2)

STATION METEOROLOGICAL DATA:

WIND VECTOR (SWV)	Col. (1)	-----	TO	(6)	-----	M/S
TEMPERATURE (ST)	(11)	-----	TO	(16)	-----	°C
REL HUMIDITY (SRH)	(21)	-----	TO	(26)	-----	%
BAR PRESS (SBP)	(31)	-----	TO	(36)	-----	M Hg

CALCULATED QUANTITIES:

ALPHA	Col. (41)	-----	TO	(46)	-----	M/S
BETA	(51)	-----	TO	(56)	-----	M/S
ALPHA + BETA	(61)	-----	TO	(66)	-----	M/S

(CARD 3)

ARRAY CODES (Max of 12)

Col(1)		Col(3)		Col(5)		Col(7)		Col(9)		Col(11)	
Col(13)		Col(15)		Col(17)		Col(19)		Col(21)		Col(23)	

OBSERVED CONDITIONS:

PRECIPITATION CODES	(MAX 3)	Col(25)			
GROUND COVER CODES					
VEGETATION	(MAX 4)	Col(28)			
MOISTURE	(MAX 4)	Col(32)			
GROUND SURFACE CODES	(MAX 3)	Col(36)			

BLDG/OBSTACLES

NUMBER	Col(39)		TO	Col(41)	
AVERAGE HEIGHT	(43)		TO	(45)	
MAXIMUM HEIGHT		(47)			

III. DATABASE (LOG FILE) CODES - Select a maximum of 10 database codes or leave blank if all data are to be scanned.

Col(50)		(52)		(54)		(56)		(58)	
(60)		(62)		(64)		(66)		(68)	

OMEGA 13 output was used, as was the OMEGA 12, to check the analyzed data for consistency and spot possible errors in analysis.

As previously stated the purpose of this volume is to present the basic data acquired in this study and used in the other volumes to discuss ESA in general and develop an ESA model for the U.S. Air Force noise prediction programs. The basic data for each event are:

- (1) the one-third octave band sound pressure levels in dB (the LEQ over each event);
- (2) the one-third octave band, overall and A-weighted ESA values in dB; and
- (3) the detailed weather measurements and observations.

Appendix A lists the LEQs and Appendix B presents the ESA values and weather data.

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AD AD22911                      Resulting from Aircraft  
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APPENDIX A  
SOUND LEVELS FOR EACH EVENT

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-101-034

STATION 1: WRIGHT-PATTERSON AFB ( EVENT:  
 ) MICROPHONE:  
 ) ARRAY 01

SOUND SOURCE: C-135B ( NUMBER 034  
 ) DATE 29 NOV 79

LOCATION 01 HT AGL 1.5 M ( DATE 29 NOV 79

DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	119.5	125.4
S	100.0	105.5	106.1	109.8	112.4	114.4	116.3	116.4	115.4	113.4	113.2	111.0	109.2	107.4	112.6	124.1
T	99.8	104.7	107.5	109.3	112.4	114.2	116.8	117.0	116.0	114.4	115.1	114.0	114.4	114.6	121.2	126.4
A	94.3	99.8	102.5	104.2	105.8	108.7	110.1	109.6	107.9	104.6	103.2	99.6	96.5	94.2	103.7	117.0
B	82.7	87.6	90.2	91.1	92.1	94.2	95.7	94.8	92.1	86.5	83.2	78.8	77.0	76.5	87.2	102.2
C	70.4	75.8	78.5	80.0	81.1	82.9	82.7	79.4	76.5	70.5	68.6	67.2	68.2	68.4	76.3	89.7
E	62.6	61.5	59.0	54.5	48.9	71.2	71.6	70.5	68.1	63.2	61.2	62.3	63.2	62.8	68.2	79.1
G	56.9	54.3	50.5	45.3	61.1	60.4	58.3	54.9	56.1	58.4	59.4	58.5	62.1	68.8	62.1	68.8

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 036 ) ARRAY 01 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 06 DEC 79 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-101-036 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	ASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE:	66 METERS															
	101.3	105.5	108.6	109.9	113.6	116.0	117.9	119.2	119.3	119.6	120.2	119.3	117.5	115.7	122.0	128.8
	113.9	112.0	109.3	107.5	107.2	105.9	105.5	106.1	104.4	101.5	101.3	98.5	97.6			
S	DIST FROM SOURCE: 66 METERS															
	101.9	106.0	109.2	110.4	114.1	116.5	118.3	119.8	120.2	120.4	120.9	119.4	116.5	113.0	120.1	128.9
	107.9	101.9	97.8	99.4	101.9	103.4	104.0	105.7	103.5	99.7	100.0	97.8	95.1			
T	DIST FROM SOURCE: 66 METERS															
	100.6	104.9	108.0	109.3	113.2	115.4	117.4	118.5	118.3	118.6	119.4	119.2	118.3	117.4	123.3	128.8
	116.3	114.8	112.2	110.2	109.5	107.5	106.6	106.4	105.2	102.8	102.3	99.1	99.2			
A	DIST FROM SOURCE: 134 METERS															
	94.1	99.0	102.3	103.6	107.1	110.1	111.7	112.1	111.3	108.7	103.1	93.4	95.5	97.1	111.7	119.4
	99.2	100.2	102.3	103.2	102.7	101.3	98.5	97.5	96.2	93.7	90.2	89.4				
B	DIST FROM SOURCE: 238 METERS															
	88.5	93.4	96.5	97.2	100.8	103.4	105.3	105.4	103.0	96.7	86.1	83.2	86.0	87.6	101.6	111.8
	89.6	90.5	91.3	92.3	92.0	91.8	90.0	87.8	86.3	82.3						
C	DIST FROM SOURCE: 431 METERS															
	83.2	88.0	91.6	92.5	96.7	99.0	100.4	98.3	92.8	79.9	74.5	74.9	78.5	81.0	96.3	106.0
	82.9	84.7	86.6	87.9	89.3	87.1	83.5	78.5	76.2							
E	DIST FROM SOURCE: 1255 METERS															
	72.3	77.9	82.6	81.8	86.2	87.0	85.3	79.1	69.7	60.5	60.8	63.0	65.3	77.7	92.6	
	66.4	69.3	70.2	70.0	68.4	64.5	59.8	52.0								
F	DIST FROM SOURCE: 1757 METERS															
	69.9	73.9	77.3	76.2	79.8	79.7	76.8	71.5	63.2	54.6	51.0	53.3	55.6	57.7	69.7	85.9
	59.0	62.2	62.8	61.5	59.2	55.0	47.8	37.8								
G	DIST FROM SOURCE: 2087 METERS															
	72.1	76.3	74.5	77.2	77.8	73.1	67.3	58.9								
	56.8	58.2	58.4	57.1	54.3	49.5										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M  
 ( EVENT: )  
 ( DATE 06 DEC 79 )  
 ( FORGOT POST CONTROL CAL )  
 ( NUMBER 037 )  
 ( ARRAY 01 )  
 ( MICROPHONE: )  
 ( DATE 05 FEB 87 )  
 ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.4	105.9	108.8	111.6	113.9	116.5	118.2	119.3	118.8	118.6	117.9	115.4	115.7	116.9	121.7	128.2
	114.2	112.5	111.1	110.0	108.1	105.8	105.1	104.2	102.6	100.0	100.1					
S	DIST FROM SOURCE: 66 METERS															
	101.0	106.5	109.4	112.1	114.3	117.0	118.5	119.7	119.2	118.7	117.7	114.7	114.2	114.2	117.7	127.6
	108.3	103.2	97.4	95.2	96.1	95.8	94.6	94.8	94.3	90.3	90.2					
T	DIST FROM SOURCE: 66 METERS															
	99.7	105.2	108.2	110.9	113.3	115.9	117.8	119.0	118.4	118.5	118.1	116.1	116.8	118.6	123.7	128.8
	116.6	115.3	114.1	113.0	111.0	108.6	107.9	106.9	105.3	102.8	102.9	99.1	99.7			
A	DIST FROM SOURCE: 134 METERS															
	93.2	99.3	102.5	104.9	106.8	110.6	111.5	112.0	111.0	109.5	106.7	99.8	97.1	98.1	106.6	119.2
	96.6	94.3	93.2	91.5	89.2	88.4	86.7	85.7	84.4	81.8	78.3					
B	DIST FROM SOURCE: 238 METERS															
	87.7	93.5	96.6	98.4	99.9	103.1	103.8	104.2	101.9	97.5	92.3	83.0	79.4	79.9	94.8	110.8
	79.5	78.7	78.4	78.1	76.9	76.0	73.7	71.7								
C	DIST FROM SOURCE: 431 METERS															
	81.5	87.3	90.9	92.7	94.3	97.2	97.3	95.6	92.6	87.4	80.6	70.9	70.3	72.2	86.2	103.7
	72.3	71.6	71.1	70.4	69.7	67.6										
E	DIST FROM SOURCE: 1255 METERS															
	68.6	74.5	78.1	78.6	77.7	78.5	77.5	74.5	69.0	65.0	62.5	63.7	64.7	65.7	72.5	86.1
	65.8	65.3	64.0	62.0	60.1	56.3	52.9	48.0								
F	DIST FROM SOURCE: 1757 METERS															
	64.8	69.3	69.8	69.1	71.5	70.7	67.2	68.3	66.5	62.8	60.7	60.7	61.4	63.1	69.1	78.4
	62.8	62.9	61.5	58.7	55.5	50.7	45.4	37.3								
G	DIST FROM SOURCE: 2087 METERS															
	61.5	60.7	59.6	57.2	52.8	69.2	65.8	66.2	63.2	57.5	57.2	59.2	60.9	61.5	67.3	76.3
	65.9	68.4	67.8		40.2	47.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A (NUMBER 038 ) ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M (DATE 12 DEC 79 ) ) TEST AA-101-038 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	66 METERS															
	99.6	103.8	107.5	109.2	112.3	116.0	117.8	119.5	119.0	117.8	117.2	115.0	114.4	113.8	121.0	127.6
	113.4	112.4	111.0	109.5	108.3	106.0	105.2	105.0	103.4	103.4	101.1	100.3				
DIST FROM SOURCE:	66 METERS															
	100.0	104.2	107.9	109.6	112.5	116.3	117.9	119.4	118.8	117.1	116.2	113.0	111.2	109.1	115.3	126.5
	105.6	99.8	94.7	92.2	90.9	90.7	89.4	89.6	87.4	85.0	84.7					
DIST FROM SOURCE:	66 METERS															
	99.2	103.3	107.0	108.8	112.0	115.8	117.7	119.6	119.1	118.4	118.1	116.3	116.2	116.0	123.4	128.6
	116.1	115.3	114.0	112.5	111.2	108.9	108.2	107.9	106.4	104.1	103.2	99.6	100.0			
DIST FROM SOURCE:	134 METERS															
	91.4	95.6	99.4	100.4	103.3	107.4	108.5	109.5	108.0	105.0	102.7	97.6	93.0	89.9	102.8	115.9
	90.1	89.4	89.2	88.1	86.9	86.2	84.5	83.7	82.4	79.7	75.0	74.1				
DIST FROM SOURCE:	238 METERS															
	87.6	90.6	90.3	92.8	95.0	94.6	95.1	92.8	87.8	84.2	79.1	77.3	76.3		87.1	101.9
	76.8	76.5	76.0	75.5	74.0	73.1										
DIST FROM SOURCE:	431 METERS															
	77.6	79.2												71.1		
	70.8	69.0	69.8	69.9	66.7	64.6										
DIST FROM SOURCE:	1255 METERS															
	63.3	62.8	60.7	58.3	55.4	50.7	45.8									
DIST FROM SOURCE:	1757 METERS															
	53.4	53.0	50.9	47.5	44.2	38.9										
DIST FROM SOURCE:	59.8 59.4 55.5 53.7 54.5 55.1 54.4															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															
DIST FROM SOURCE:	30 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 039 ) MICROPHONE: )  
 SOUND SOURCE: C-141 ( DATE 12 DEC 79 ) ARRAY 01 )  
 LOCATION 01 HT AGL 2.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-101-039 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1-3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	105.8	109.3	117.6	115.0	116.8	118.5	118.0	118.4	114.1	112.7	112.8	110.1	108.7	106.0	112.8	126.2
DIST FROM SOURCE: 66 METERS	103.0	100.3	94.9	94.2	92.5	90.7	89.0	90.0	92.2	86.4	86.8					
DIST FROM SOURCE: 66 METERS	106.2	109.7	113.0	115.4	117.1	118.7	119.0	118.8	114.7	113.0	112.9	109.8	107.3	103.0	111.7	126.4
DIST FROM SOURCE: 66 METERS	97.3	91.5	86.7	86.6	87.5	87.3	86.8	89.8	89.9	83.3	84.2	83.7	83.8			
T	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 66 METERS	105.4	108.8	112.1	114.7	116.5	118.2	118.5	117.9	113.4	112.4	112.7	110.4	109.8	107.8	113.6	125.9
DIST FROM SOURCE: 66 METERS	105.4	103.1	99.7	96.8	94.7	92.6	90.4	91.6	93.7	88.1	88.5					
A	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 134 METERS	99.5	103.3	106.2	109.4	110.8	112.5	112.4	113.4	108.3	102.8	96.6	87.7	88.8	89.7	102.9	119.8
DIST FROM SOURCE: 134 METERS	90.3	89.0	88.9	88.0	86.6	85.3	81.8	82.6	84.6	78.6	75.6	77.2	73.1			
B	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 238 METERS	94.8	98.0	100.6	103.1	103.7	105.0	105.0	104.7	99.8	92.3	81.8	76.3	78.4	78.5	93.7	112.3
DIST FROM SOURCE: 238 METERS	78.9	78.4	77.9	76.9	74.8	74.0	74.3									
C	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 431 METERS	89.3	92.9	96.3	99.0	99.9	100.9	99.8	97.5	91.1	80.4	71.9	69.3	70.4	87.0	107.3	
DIST FROM SOURCE: 431 METERS	71.3	71.9	73.4													
E	OVERALL SAMPLE DURATION: 22 SEC															
DIST FROM SOURCE: 1255 METERS	78.4	82.9	87.5	90.1	91.4	91.2	88.0	82.4	73.1	62.1	59.2	60.6	62.0	75.7	97.3	
DIST FROM SOURCE: 1255 METERS	61.6	61.6	61.9	63.5												
F	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 1757 METERS	75.3	79.0	82.3	83.8	84.7	83.0	79.5	75.2	66.9	52.4	51.3	52.8	53.9	67.1	90.5	
DIST FROM SOURCE: 1757 METERS	54.8	55.8														
G	OVERALL SAMPLE DURATION: 28 SEC															
DIST FROM SOURCE: 2087 METERS	71.5	76.2	79.9	81.7	81.9	81.3	75.9	70.4	62.3	50.8	52.3	52.3	64.2	88.2		
DIST FROM SOURCE: 2087 METERS	51.7	52.1														
I	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2377 METERS	64.3	70.3	74.8	78.0	77.3	76.1	71.8	67.0								

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT: NUMBER 040		MICROPHONE: ARRAY 01		IDENTIFICATION: OMEGA 12.2	
SOUND SOURCE: C-135A		DATE 12 DEC 79				TEST AA-101-040	
LOCATION 01 HT AGL 1.5 M						DATE 05 FEB 87	
						PAGE F1	
----- 1-3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) -----							
MICROPHONE LOCATION	25 31.5	40 50	60 80	100 125	160 200	250 315	400 500
U	630 800	1K 1250	1600 2K	2500 3150	4K 5K	6300 8K	10K
DIST FROM SOURCE:	66 METERS						
	100.3	104.5	107.4	108.6	110.9	113.3	115.0
	111.6	109.5	107.3	106.2	105.8	104.9	104.5
	104.5	107.3	106.2	105.8	104.9	104.5	104.1
	101.5	99.2	98.9	94.8	94.2	94.8	94.2
S	66 METERS						
DIST FROM SOURCE:	100.7	105.0	107.9	109.1	111.2	113.6	115.3
	106.1	100.3	98.6	100.3	102.3	103.8	103.9
	103.9	103.9	99.9	96.4	96.1	93.3	91.0
	113.9	112.2	110.0	108.6	107.7	105.9	105.0
	110.6	113.0	114.7	115.5	116.8	117.6	116.6
	115.9	115.3	115.9	100.6	95.8	96.0	96.0
T	66 METERS						
DIST FROM SOURCE:	99.9	104.0	106.9	108.1	110.6	113.0	114.7
	113.9	112.2	110.0	108.6	107.7	105.9	105.0
	104.8	107.7	105.9	105.0	104.8	102.6	100.9
	100.6	95.8	96.0	96.0	96.0	96.0	96.0
A	134 METERS						
DIST FROM SOURCE:	92.7	97.2	100.6	101.5	103.9	107.2	108.3
	102.5	101.8	101.7	100.2	98.8	97.4	95.0
	93.1	91.5	88.4	84.4	82.7	81.5	80.3
	83.5	87.0	89.8	90.6	88.5	86.0	83.2
P	238 METERS						
DIST FROM SOURCE:	87.3	91.2	94.3	94.7	96.6	98.6	100.1
	91.6	92.8	93.7	93.3	90.6	88.5	86.0
	83.2	76.9	76.9	76.9	76.9	76.9	76.9
C	431 METERS						
DIST FROM SOURCE:	81.4	85.5	89.4	90.1	92.2	93.5	94.5
	84.5	85.0	85.9	86.0	85.4	82.6	79.4
	75.0	75.0	75.0	75.0	75.0	75.0	75.0
E	1255 METERS						
DIST FROM SOURCE:	71.2	76.4	80.4	80.5	82.3	81.7	78.3
	76.5	77.0	76.2	72.9	69.4	64.3	58.9
	50.1	50.1	50.1	50.1	50.1	50.1	50.1
F	1757 METERS						
DIST FROM SOURCE:	69.9	74.1	77.1	76.6	77.2	74.1	70.9
	69.6	71.4	70.4	67.5	63.0	56.9	49.4
	38.9	38.9	38.9	38.9	38.9	38.9	38.9
G	2087 METERS						
DIST FROM SOURCE:	69.6	73.7	76.8	76.3	76.3	76.3	76.3
	65.1	64.7	64.2	62.3	58.0	51.9	51.9
	51.9	51.9	51.9	51.9	51.9	51.9	51.9
I	2377 METERS						
DIST FROM SOURCE:	66.6	71.4	71.9	70.6	68.2	66.1	66.1
	62.0	63.4	62.8	58.6	55.5	48.2	48.2
	48.2	48.2	48.2	48.2	48.2	48.2	48.2



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 041) MICROPHONE: ARRAY 01  
 SOUND SOURCE: C-141 HT AGL 2.5 M DATE 13 DEC 79  
 LOCATION 01 EXHAUST PLANE + 20 FEET  
 IDENTIFICATION: OMEGA 12.2  
 TEST AA-101-041  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	105.9	109.1	112.2	113.7	115.3	116.3	116.6	118.1	114.8	110.7	107.5	105.8	104.3	102.2	110.0	124.8
	99.0	97.0	93.2	90.7	89.1	87.7	86.5	88.5	89.8	83.1	83.1					
	OVERALL SAMPLE DURATION: 39 SEC															
S	DIST FROM SOURCE: 66 METERS															
	106.2	109.5	112.5	114.0	115.6	116.4	116.6	118.3	115.4	111.4	108.4	106.4	104.8	102.5	110.1	125.0
	98.3	94.7	87.7	84.6	85.0	85.5	85.1	87.8	87.8	80.5	80.5					
	OVERALL SAMPLE DURATION: 39 SEC															
T	DIST FROM SOURCE: 66 METERS															
	105.5	108.7	111.9	113.5	115.4	116.2	116.6	118.0	114.0	109.8	106.3	105.1	103.6	101.8	109.8	124.5
	99.6	98.4	95.6	93.1	91.2	89.1	87.5	89.1	91.1	84.8	84.6					
	OVERALL SAMPLE DURATION: 40 SEC															
A	DIST FROM SOURCE: 134 METERS															
	99.5	103.0	105.8	107.5	108.6	109.9	109.4	110.6	107.0	102.5	94.5	85.5	86.9	88.1	100.5	117.6
	87.9	86.1	85.0	83.4	81.3	80.7	76.2	76.6	77.8	71.7	70.9	75.7	71.7			
	OVERALL SAMPLE DURATION: 42 SEC															
B	DIST FROM SOURCE: 238 METERS															
	94.3	97.4	100.2	101.7	102.7	103.5	102.8	103.3	99.1	91.1	80.5	76.7	79.0	80.8	92.6	111.0
	80.6	79.9	77.9	75.7	72.7	70.6										
	OVERALL SAMPLE DURATION: 42 SEC															
C	DIST FROM SOURCE: 431 METERS															
	89.2	92.3	95.7	96.9	98.4	99.3	97.7	96.5	91.0	82.5	74.5	70.9	72.7	73.7	86.2	105.9
	73.7	73.4	72.4	70.6	68.0											
	OVERALL SAMPLE DURATION: 42 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	77.7	81.9	85.6	86.2	88.4	87.4	83.6	80.4	74.8	66.4	58.7	57.6	57.7	59.0	71.9	94.2
	59.2	59.4	57.9	55.1	51.9											
	OVERALL SAMPLE DURATION: 29 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	73.7	77.1	80.1	80.1	81.7	79.9	75.9	73.9	68.9	61.7	54.6	51.2	53.6	55.6	65.7	87.8
	54.9	55.1	52.9	48.8	44.9											
	OVERALL SAMPLE DURATION: 30 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	71.8	75.3	78.5	77.9	79.0	77.9	71.8	68.8	63.0	55.7	49.8	51.6	53.2	53.9	62.8	85.3
	54.3	54.3	53.1													
	OVERALL SAMPLE DURATION: 30 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		( EVENT: )		MICROPHONE: )		IDENTIFICATION: )	
SOUND SOURCE: C-135A		( NUMBER 043 )		ARRAY 01 )		OMEGA 12.2 )	
LOCATION 01 HT AGL 1.5 M		( DATE 14 DEC 79 )		) DATE 05 FEB 87 )		TEST AA-101-043 )	
		( )		) PAGE F1 )			
MICROPHONE LOCATION U							
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)							
25	31.5	40	50	63	80	100	125
630	800	1K	1250	1600	2K	2500	3150
DIST FROM SOURCE: 66 METERS		4K		5K		6300	
93.1		99.0		102.2		104.6	
111.4		108.0		105.7		104.9	
105.7		104.9		103.2		102.1	
101.4		101.2		98.3		97.3	
OVERALL SAMPLE DURATION: 30 SEC							
DIST FROM SOURCE: 66 METERS							
93.7		99.1		102.6		104.6	
108.7		103.7		99.4		93.0	
92.8		93.0		94.9		95.7	
94.9		94.4		114.6		115.3	
114.8		113.4		111.6		110.6	
OVERALL SAMPLE DURATION: 30 SEC							
DIST FROM SOURCE: 66 METERS							
92.2		98.9		101.9		104.6	
113.1		110.1		108.1		107.8	
106.0		104.8		103.9		103.5	
100.5		100.2		99.1		95.7	
97.7		99.1		115.4		114.1	
114.4		115.1		115.0		114.9	
OVERALL SAMPLE DURATION: 30 SEC							
DIST FROM SOURCE: 134 METERS							
94.7		99.3		102.2		104.7	
99.8		101.0		100.8		100.2	
99.3		98.3		96.9		95.7	
90.9		89.3		113.0		110.7	
113.7		113.0		110.7		106.1	
100.5		101.1		100.5		101.1	
OVERALL SAMPLE DURATION: 30 SEC							
DIST FROM SOURCE: 238 METERS							
88.7		93.2		96.0		97.3	
86.2		86.4		85.9		84.2	
82.8		80.3		77.0		104.6	
102.3		105.4		104.6		102.1	
98.3		91.5		87.2		86.6	
OVERALL SAMPLE DURATION: 29 SEC							
DIST FROM SOURCE: 431 METERS							
82.9		87.8		91.0		92.2	
79.0		78.4		77.7		77.2	
75.4		72.8		68.8		64.3	
96.7		98.1		98.0		96.8	
93.0		88.4		81.1		78.3	
78.7		78.3		74.6		74.6	
OVERALL SAMPLE DURATION: 26 SEC							
DIST FROM SOURCE: 1255 METERS							
70.7		76.9		80.8		81.5	
65.3		65.5		63.9		60.6	
56.8		49.9		86.0		83.0	
78.3		68.4		62.0		62.9	
64.5		65.5		64.5		65.5	
OVERALL SAMPLE DURATION: 25 SEC							
DIST FROM SOURCE: 1757 METERS							
67.9		73.2		76.0		75.8	
59.6		59.3		57.2		53.0	
46.9		39.0		77.9		75.7	
73.1		60.4		59.9		60.6	
60.5		68.4		85.9		85.9	
OVERALL SAMPLE DURATION: 24 SEC							
DIST FROM SOURCE: 2087 METERS							
64.6		70.4		74.2		74.4	
61.4		60.1		57.5		53.3	
75.0		75.8		74.4		70.9	
66.9		58.6		56.7		59.6	
61.5		61.7		67.2		82.8	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2 )  
 ) TEST AA-101-044 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 ) ) ) )  
 SOUND SOURCE: C-135A ( NUMBER 044 ) ) )  
 ) ) ) )  
 LOCATION 01 HT AGL 1.5 M ( DATE 23 JAN 80 ) ) )  
 ) ) ) )  
 ) ) ) )  
 ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.6	105.0	107.6	109.3	113.4	114.4	117.1	117.2	117.4	116.2	114.9	112.9	111.2	111.4	117.8	125.8
	110.1	108.7	107.7	106.5	104.1	101.9	101.3	100.7								
S	66 METERS															
DIST FROM SOURCE:	99.7	105.7	108.5	110.2	114.2	115.2	117.6	117.7	117.7	116.3	114.5	111.1	107.9	104.9	113.0	125.5
	99.5	94.6	89.9	87.2	87.1	86.1	85.9	85.1								
T	66 METERS															
DIST FROM SOURCE:	97.1	104.2	106.5	108.2	112.4	113.4	116.5	116.8	117.1	116.2	115.3	114.2	113.0	113.9	120.2	126.2
	112.9	111.6	110.7	109.4	107.1	104.9	104.2	103.6	101.7	101.2	100.2	96.9	99.7			
A	134 METERS															
DIST FROM SOURCE:	94.2	100.2	102.4	104.4	106.8	108.8	110.6	109.9	108.6	105.8	102.9	97.6	93.1	91.3	102.9	117.3
	89.1	89.1	88.4	86.9	84.9	83.2	81.4	80.1								
B	238 METERS															
DIST FROM SOURCE:	87.3	92.7	95.3	96.5	98.1	99.5	101.0	100.1	98.0	93.1	90.1	86.0	83.8	83.6	93.0	107.7
	83.2	82.0	81.0	80.0	77.5	75.5	72.2									
C	431 METERS															
DIST FROM SOURCE:	80.1	86.3	88.1	88.8	90.2	90.3	89.7	87.8	86.2	80.0	76.0	73.8	74.5	74.5	81.3	98.0
	75.4	73.6														
E	1255 METERS															
DIST FROM SOURCE:	63.3	61.0	57.3	51.5	70.2	69.4	71.5	72.1	72.6	69.2	64.4	62.1	64.1	63.9	68.5	79.4
					51.5											
F	1757 METERS															
DIST FROM SOURCE:	56.6	54.1	49.1		66.4									59.6	59.3	58.8
G	2087 METERS															
DIST FROM SOURCE:																
M	2273 METERS															
DIST FROM SOURCE:	52.1	47.7	41.9		55.9									50.6	54.0	54.9



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 049 ) ARRAY 01 ) OMEGA 12.2 )  
 LOCATION C: HT AGL 1.5 M ( DATE 29 JAN 80 ) ) TEST AA-101-049 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
S	97.0	103.2	106.3	108.6	112.4	113.5	115.4	115.9	116.1	117.5	118.2	117.8	115.7	114.9	120.8	126.9
	113.9	110.6	108.6	107.4	105.9	104.7	104.4	104.2	102.4	102.2	101.4	99.3	100.6			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
T	97.9	103.6	107.0	109.1	112.9	114.0	115.7	116.2	116.5	117.9	118.6	118.3	116.0	114.1	115.4	126.9
	112.5	107.7	102.7	95.3	98.3	99.3	101.4	101.9	102.0	100.8	99.7	99.0	99.0			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
A	95.8	102.7	105.5	108.0	111.9	112.9	115.2	115.7	115.7	117.0	117.7	117.3	115.3	115.7	121.7	126.9
	115.0	112.3	111.0	110.2	108.6	107.0	106.2	105.7	102.7	103.3	102.7	99.5	101.8			
	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
B	92.2	97.8	100.5	102.8	105.8	107.9	109.0	109.2	108.9	108.7	107.2	100.6	94.2	97.6	109.8	117.7
	99.5	100.6	100.8	100.6	98.8	97.3	95.3	94.0	93.7	90.5	89.4					
	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
C	85.3	90.4	93.4	94.8	96.1	98.2	98.8	98.1	96.3	94.5	90.9	85.9	86.2	86.7	95.4	106.3
	86.6	86.4	85.8	85.7	83.5	81.7	79.1	77.1								
	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
E	77.9	83.5	86.2	87.2	88.4	89.5	89.2	88.0	84.9	80.4	76.8	76.1	77.5	78.1	85.1	97.1
	78.9	77.6	76.2	74.5	72.0	68.9										
	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 26 SEC															
F	56.3	53.5	48.8	43.0												
	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 21 SEC															
	65.1 64.7 63.9 61.0 60.2 60.7 59.6 57.3															
G	54.9	51.3	45.9													
	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 17 SEC															
	62.4 63.4 61.2 56.8 57.0 59.5 60.3 58.4															
H	55.3	50.3	44.1	40.1												
	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	56.9 56.9 55.7															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-133A ( NUMBER 051 ) ARRAY 02 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 29 JAN 80 ) ) TEST AA-102-051 )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS	96.1	100.7	103.6	106.0	111.1	114.5	118.3	120.4	120.1	120.4	119.9	113.8	113.0	112.0	121.0	128.3
		111.2	110.4	111.2	110.4	108.6	106.7	105.6	105.8	104.9	103.1	101.0	100.8				
S	DIST FROM SOURCE: 75 METERS	95.5	100.5	103.4	106.2	111.3	114.1	118.6	121.1	121.4	122.0	121.8	115.0	114.1	111.2	119.5	129.0
		106.5	100.4	100.1	98.2	99.4	100.8	101.1	104.6	105.3	104.1	104.5	103.1	103.0			
T	DIST FROM SOURCE: 75 METERS	96.5	100.9	103.7	105.7	110.8	114.8	118.0	119.6	118.3	117.8	116.4	112.1	111.5	112.6	122.1	127.4
		113.5	113.2	114.0	113.3	111.3	109.1	107.8	106.8	104.5	101.7	96.7	95.9				
E	DIST FROM SOURCE: 1255 METERS	73.0	72.5	70.1	64.3	57.5										80.1	95.6
		76.5	78.2	81.5	88.4	88.8	88.8	90.6	87.6	79.7	73.4	73.1	71.0	71.8	72.6		
G	DIST FROM SOURCE: 2079 METERS	66.4	73.0	73.8	74.6	79.4	79.7	79.4	78.2	71.9	66.6	63.9	64.4	64.9		69.8	86.1
		63.6	59.3	54.0	45.7	45.2											
H	DIST FROM SOURCE: 2279 METERS	66.9	70.6	72.3	72.7	77.8	77.4	77.3	75.5	69.9	65.9	63.3	60.9	62.2	63.8	67.9	84.2
		61.1	56.8	50.2	43.9												
I	DIST FROM SOURCE: 2377 METERS	70.6	72.4	73.8	78.9	78.7	78.2	76.1	71.6	66.9	63.4	62.6	62.1	64.0		68.5	85.2
		61.5	57.0														

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 052 ) ARRAY 01 )  
 LOCATION D1 HT AGL 1.5 M ( DATE 05 FEB 80 ) ) DATE 05 FEB 87 )  
 IDENTIFICATION: ) OMEGA 12.2 )  
 TEST AA-101-052 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)		
U	DIST FROM SOURCE: 66 METERS																	
	99.3	104.8	108.7	110.3	115.2	117.1	120.4	122.0	122.1	121.5	120.7	119.4	116.8	113.4	122.8	130.2		
	111.6	110.7	111.7	112.5	111.4	109.6	108.6	108.0									104.6	
	OVERALL SAMPLE DURATION: 30 SEC																	
S	DIST FROM SOURCE: 66 METERS																	
	100.6	105.7	109.8	111.5	116.4	118.5	121.8	123.8	124.1	123.2	121.1	117.5	112.9	107.7	119.6	130.9		
	102.4	100.0	99.7	99.9	101.9	102.1	103.1	103.5									102.0	
	OVERALL SAMPLE DURATION: 30 SEC																	
T	DIST FROM SOURCE: 66 METERS																	
	97.3	103.7	107.1	108.8	113.5	115.1	119.2	119.0	118.3	118.8	120.2	120.7	118.8	115.8	124.9	129.5		
	114.4	113.5	114.5	115.3	114.2	112.2	110.9	110.2	107.0	107.3	106.2	103.5	104.7					
	OVERALL SAMPLE DURATION: 30 SEC																	
A	DIST FROM SOURCE: 134 METERS																	
	95.0	100.3	104.0	105.9	109.8	113.1	115.8	117.4	117.0	115.0	111.2	102.6	97.2	98.1	112.5	123.7		
	98.7	99.4	98.8	100.2	99.7	99.4	98.6	97.9	97.2	95.0	92.0	90.4	89.5					
	OVERALL SAMPLE DURATION: 29 SEC																	
B	DIST FROM SOURCE: 238 METERS																	
	88.7	93.5	97.9	99.2	102.2	105.5	108.3	110.1	108.4	104.2	98.8	86.6	84.2	85.8	101.1	115.4		
	86.2	86.6	87.0	86.6	84.8	83.1	80.6	77.9	74.1	72.0								
	OVERALL SAMPLE DURATION: 29 SEC																	
C	DIST FROM SOURCE: 431 METERS																	
	83.9	89.7	93.3	94.1	97.1	100.3	101.7	103.7	102.5	96.0	86.1	76.1	75.5	77.5	93.9	109.2		
	79.3	79.4	79.0	77.8	76.8	74.2	70.3	65.6										
	OVERALL SAMPLE DURATION: 29 SEC																	
D	DIST FROM SOURCE: 753 METERS																	
	80.8	86.0	90.0	90.8	93.5	96.1	92.3	93.9	92.6	82.4	69.5	68.8	70.5	71.8	84.5	101.8		
	72.5	72.7	71.8	69.7	66.9	62.2												
	OVERALL SAMPLE DURATION: 27 SEC																	
E	DIST FROM SOURCE: 1255 METERS																	
	70.4	76.7	81.6	83.4	86.8	89.2	85.0	76.7	76.0	69.6	62.7	64.6	65.5	66.4	74.6	93.4		
	66.9	66.3	64.1	60.9	55.7	49.7												
	OVERALL SAMPLE DURATION: 30 SEC																	
F	DIST FROM SOURCE: 1757 METERS																	
	70.4	75.8	79.5	80.4	83.5	85.8	82.9	74.8	70.7	64.6	60.4	61.2	61.6	63.3	71.5	90.4		
	64.0	63.7	60.7	56.0	48.9	40.4												
	OVERALL SAMPLE DURATION: 28 SEC																	
H	DIST FROM SOURCE: 2273 METERS																	
	64.9	69.0	70.2	73.9	77.1	71.3												
	62.6	61.4	57.2	51.3														
	OVERALL SAMPLE DURATION: 22 SEC																	
I	DIST FROM SOURCE: 2377 METERS																	
	71.8	74.8	76.5	79.6	74.4	65.2												
	58.8	57.2	54.7															
	OVERALL SAMPLE DURATION: 29 SEC																	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY  
 STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( NUMBER 054 ) ARRAY 01 )  
 LOCATION D1 ( DATE 13 FEB 80 ) )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.9	105.2	108.8	110.5	115.5	116.9	119.6	119.6	119.1	118.7	119.7	119.6	119.4	120.8	125.2	130.2
	118.0 115.7 115.0 114.2 111.9 110.1 109.8 109.2 106.3 105.1															

S DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC  
 100.7 105.5 109.4 111.1 116.3 117.9 120.7 121.1 120.1 117.6 115.0 110.9 107.6 106.7 115.8 127.8  
 103.8 103.1 101.9 101.0 101.3 100.0 99.6 98.8 96.9 95.7

T DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC  
 99.0 104.8 108.0 109.7 114.5 115.6 118.1 117.4 117.7 119.5 121.9 122.3 122.2 123.7 128.1 131.8  
 121.0 118.6 117.9 117.1 114.7 112.9 112.6 112.0 108.7 109.1 107.9 105.0 106.5

A DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC  
 95.5 100.6 103.9 106.1 110.2 112.8 114.1 112.1 105.9 96.4 95.7 98.8 100.6 103.7 110.8 119.9  
 103.1 102.8 101.8 100.7 99.1 97.8 96.4 95.3 93.6 91.2 88.9 87.9 87.0

C DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC  
 84.1 89.1 93.1 94.5 96.5 96.9 90.8 87.8 79.3 70.4 70.9 73.7 74.9 75.3 83.1 102.4  
 75.7 73.9 72.6 70.9 69.0 65.9 61.7

D DIST FROM SOURCE: 793 METERS OVERALL SAMPLE DURATION: 33 SEC  
 80.4 84.6 88.5 90.0 92.2 91.6 81.7 70.3 64.6 62.8 65.4 69.1 68.9 69.4 76.6 97.3  
 69.3 68.6 67.2 64.0 60.0 55.0

E DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 24 SEC  
 68.7 74.9 79.2 80.0 81.8 79.2 68.9 59.6 56.8 57.0 60.0 63.0 63.5 63.5 68.2 86.8  
 62.3 61.1 58.2 53.0 47.2

F DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC  
 66.7 68.8 71.8 72.9 74.0 70.6 62.0 58.6 56.7 54.2 57.7 60.9 61.3 61.0 64.4 79.6  
 59.1 56.7 52.4 46.3 38.2

H DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 34 SEC  
 53.8 56.9 56.2 55.7

I DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 25 SEC



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-055  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB)	FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OBSPL (DB)	
U	25 31.5	40 50 63 80 100 125 160 200 250 315 400 500			
	630 800	1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K			
	DIST FROM SOURCE: 66 METERS				
	99.3 105.1 108.8 110.3 115.3 116.6 119.7 119.7 119.7 118.9 118.8 117.6 118.3 117.2 114.9 114.4 113.8 112.0 110.1 109.6 109.5			124.4	129.7
S	DIST FROM SOURCE: 66 METERS				
	OVERALL SAMPLE DURATION: 39 SEC				
	100.2 105.7 109.7 111.0 116.1 117.7 120.9 121.3 120.8 118.0 114.4 110.2 105.2 102.1 100.0 99.4 98.0 96.9 96.6 94.8 93.6 92.2			114.5	127.9
	OVERALL SAMPLE DURATION: 39 SEC				
T	DIST FROM SOURCE: 66 METERS				
	OVERALL SAMPLE DURATION: 40 SEC				
	98.2 104.4 107.8 109.4 114.2 115.1 118.0 117.3 118.3 119.6 120.9 121.5 120.5 121.3 120.2 117.8 117.3 116.8 114.9 113.0 112.6 112.5 109.8 109.7 108.6 104.8 106.5			127.3	131.0
	OVERALL SAMPLE DURATION: 39 SEC				
A	DIST FROM SOURCE: 134 METERS				
	OVERALL SAMPLE DURATION: 39 SEC				
	94.8 100.4 103.6 105.8 109.4 111.3 113.7 112.2 107.5 98.0 93.1 93.5 92.9 93.7 92.9 92.1 91.1 90.5 88.6 87.1 85.3 84.1			103.3	118.9
	OVERALL SAMPLE DURATION: 38 SEC				
C	DIST FROM SOURCE: 431 METERS				
	OVERALL SAMPLE DURATION: 38 SEC				
	83.4 89.1 92.8 94.1 95.2 95.7 90.6 86.5 80.1 69.7 68.3 71.6 72.8 72.5 73.3 71.6 70.3 68.4 66.2 62.8			81.3	101.6
	OVERALL SAMPLE DURATION: 29 SEC				
D	DIST FROM SOURCE: 753 METERS				
	OVERALL SAMPLE DURATION: 29 SEC				
	78.5 83.2 86.3 88.3 89.5 88.7 80.1 69.7 64.4 60.8 62.8 65.6 65.4 64.9 64.5 63.1 62.5			72.3	95.0
	OVERALL SAMPLE DURATION: 39 SEC				
E	DIST FROM SOURCE: 1255 METERS				
	OVERALL SAMPLE DURATION: 39 SEC				
	72.9 75.9 76.2 77.8 76.4 61.4 59.4 56.1 51.5 45.4			66.8	83.3
	OVERALL SAMPLE DURATION: 39 SEC				
G	DIST FROM SOURCE: 2087 METERS				
	OVERALL SAMPLE DURATION: 39 SEC				
	63.4 65.9 64.7 63.9 62.5 61.0 57.5 53.4 54.4 56.7 58.6 58.6 56.7 54.9 51.7 47.8			60.5	72.1
	OVERALL SAMPLE DURATION: 39 SEC				
M	DIST FROM SOURCE: 2273 METERS				
	OVERALL SAMPLE DURATION: 39 SEC				
	53.6	56.9	56.3	55.3	

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 056 ) ) OMEGA 12.2 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 13 FEB 80 ) ) TEST AA-101-056 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION 25 31.5 40 50 60 80 100 125 160 200 250 315 400 500 (DB) OASPL (DB)  
 U 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
 DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 125.5 130.4  
 100.0 105.7 108.7 110.3 115.2 116.5 119.5 119.9 119.6 119.5 120.4 119.5 118.9 120.6  
 118.7 116.2 115.4 114.8 112.8 110.8 110.0 109.9 106.6 105.6

S DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 115.5 127.9  
 100.7 106.0 109.3 110.8 116.0 117.4 120.6 121.3 120.5 118.5 115.7 110.5 106.4 105.2  
 102.7 102.2 101.0 99.9 99.6 98.1 97.1 96.2 93.3 92.8

T DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 128.4 132.0  
 99.2 105.4 108.0 109.6 114.4 115.2 118.1 117.9 118.4 120.4 122.6 122.3 121.8 123.5  
 121.7 119.1 118.3 117.7 115.7 113.7 112.9 112.8 110.0 109.5 108.5 105.6 107.2

A DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 38 SEC 105.2 118.4  
 93.7 99.8 102.5 105.3 108.9 111.6 112.7 111.4 106.5 97.2 93.7 94.6 95.2 97.7  
 96.8 96.3 95.0 94.6 92.3 90.5 88.8 87.5 85.6 83.1 81.1

C DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 36 SEC 81.1 100.8  
 82.1 88.0 91.2 92.9 94.8 95.1 90.1 86.9 79.4 67.6 67.1 70.2 71.3 73.1  
 73.0 71.7 70.7 69.3 66.8 63.9

D DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 72.9 94.1  
 78.3 83.2 85.7 86.3 88.6 87.9 80.0 68.1 64.3 62.7 64.3 66.3 66.3 66.2  
 65.3 63.9 62.2 58.7 54.9

E DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 38 SEC 68.3 81.1  
 71.0 74.7 74.4 74.6 72.3 63.2 59.3 58.2 61.5 64.7 64.8 64.5  
 63.2 61.0 57.4 52.4 46.7

G DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 25 SEC 58.7 57.4  
 55.1 51.3 47.4

M DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 37 SEC 60.0 57.7  
 55.4

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-102-057  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 057 ) ARRAY 02  
 LOCATION 02 HT AGL 1.5 M ( DATE 13 FEB 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.8	109.2	109.3	111.8	115.1	119.2	122.8	124.2	125.4	124.3	120.0	114.0	110.8	109.7	121.7	131.6
	111.1	111.7	111.3	110.3	108.1	106.0	105.2	105.2	102.7	100.0	97.0	93.7	93.5			
S	DIST FROM SOURCE: 75 METERS															
	98.9	104.6	108.6	111.6	115.0	118.5	123.2	125.1	127.0	126.3	122.3	114.4	107.7	97.5	120.7	132.6
	93.7	96.4	98.2	99.7	101.6	103.3	103.5	103.1	102.6	100.5	96.8	93.5	94.4			
T	DIST FROM SOURCE: 75 METERS															
	100.6	105.8	109.7	112.1	115.3	119.8	122.4	123.2	122.8	120.7	114.6	113.6	112.5	112.5	122.5	130.3
	114.0	114.6	114.2	113.2	110.6	107.6	106.4	105.4	102.8	99.5	97.2	93.9	92.4			
B	DIST FROM SOURCE: 238 METERS															
	86.3	91.4	94.8	97.7	102.4	106.5	109.2	105.2	90.9	83.4	88.1	92.2	96.8		108.2	114.1
	99.1	102.1	102.6	100.9	95.1	92.0	89.8	85.2	82.9							
E	DIST FROM SOURCE: 1255 METERS															
	76.4	85.4	91.1	94.2	94.9	89.7	83.9	74.0	67.3	67.2	72.9	79.4	82.2	86.1	89.0	99.9
	85.4	83.6	77.8	71.6	65.5	57.4										
F	DIST FROM SOURCE: 1757 METERS															
	78.5	85.9	90.6	91.5	86.8	79.4	74.7	73.7	71.3	63.7	70.0	76.5	77.5	80.5	82.8	96.1
	79.2	76.5	70.3	61.0	53.3											
G	DIST FROM SOURCE: 2079 METERS															
	76.5	84.9	88.5	87.7	82.7	83.2	79.7	71.8	70.0	71.6	74.7	78.7	81.8	83.0	94.1	
	79.2	75.2	68.5													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 05B ) ARRAY 02 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 13 FEB 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	101.0	104.4	108.1	110.3	116.2	119.5	123.5	124.8	124.7	119.5	111.1	112.4	112.8	114.9	123.7	131.2
	115.5	116.2	115.4	113.8	111.7	109.9	108.6	107.8	105.9	103.0	101.5	98.9	98.7			
S	DIST FROM SOURCE: 75 METERS															
	101.6	104.8	108.2	110.5	116.5	119.6	123.7	124.7	124.8	119.4	111.3	112.4	113.0	115.0	124.0	131.3
	115.6	116.3	115.7	113.9	111.8	110.3	109.1	108.4	107.0	104.1	103.2	100.7	101.0			
T	DIST FROM SOURCE: 75 METERS															
	100.2	104.1	107.9	110.0	115.9	119.4	123.3	124.9	124.7	119.5	110.9	112.4	112.7	114.6	123.5	131.1
	115.4	116.1	115.1	113.8	111.5	109.5	108.0	107.0	104.5	101.3	98.7	95.7	93.6			
B	DIST FROM SOURCE: 238 METERS															
	86.2	90.8	94.6	99.9	103.7	109.1	110.5	104.6	87.8	87.2	93.5	98.1	103.2		114.0	117.4
	107.4	109.7	108.0	104.2	100.8	97.1	93.5	90.0	86.6	82.8						
E	DIST FROM SOURCE: 1255 METERS															
	76.7	83.9	88.6	92.4	94.6	90.1	77.5	71.8	65.2	61.0	66.8	73.5	78.6	83.7	87.8	98.8
	84.6	82.2	80.2	71.8	63.0	55.1										
F	DIST FROM SOURCE: 1757 METERS															
	75.7	82.8	86.6	88.4	84.3	73.7	73.1	71.3	63.8	58.6	64.2	71.5	75.6	78.1	80.2	92.8
	76.2	73.8	69.5	60.3	52.0											
G	DIST FROM SOURCE: 2079 METERS															
	72.6	79.3	82.7	83.0	77.5	74.3	68.1									
	72.1	69.4	64.9	56.2	43.9											
I	DIST FROM SOURCE: 2377 METERS															
	71.2	77.5	80.3	79.1	78.9	77.0	72.4									
	71.8	68.6	64.0	53.5												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2  
 ) TEST AA-102-059  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 059 ) )  
 LOCATION 02 HT AGL 1.5 M ( DATE 13 FEB 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OMSP (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.6	103.2	107.1	109.7	114.1	116.7	120.5	122.8	123.9	122.7	119.2	114.6	110.2	107.8	120.0	130.0
	108.2	108.5	108.5	108.1	106.4	104.3	103.1	103.1	101.0	99.0	96.7	93.6	91.7			
S	DIST FROM SOURCE: 75 METERS															
	97.3	102.2	106.3	109.3	113.8	115.8	120.6	123.4	125.2	124.5	121.4	115.1	108.0	97.6	119.2	130.8
	90.9	92.4	94.4	96.2	98.3	99.8	99.8	102.3	101.1	100.0	98.1	95.2	93.3			
T	DIST FROM SOURCE: 75 METERS															
	99.7	104.1	107.8	110.0	114.4	117.4	120.4	122.1	122.1	119.7	114.3	114.1	111.6	110.6	120.6	128.9
	111.2	111.5	111.4	111.0	109.0	106.5	105.0	103.8	100.9	97.6	94.7	91.1	89.2			
B	DIST FROM SOURCE: 238 METERS															
	85.3	89.6	93.0	96.2	100.5	105.6	108.4	104.2	89.5	85.7	90.1	92.5	96.6		107.1	113.1
	99.4	101.6	100.7	98.3	95.8	91.4	88.2	83.6	82.0							
E	DIST FROM SOURCE: 1255 METERS															
	76.0	83.6	89.3	92.6	93.4	88.9	79.4	73.2	70.9	66.3	70.1	75.8	79.9	81.1	85.1	98.2
	81.0	79.8	75.6	67.6	60.0	52.2										
F	DIST FROM SOURCE: 1757 METERS															
	77.0	83.8	88.4	89.7	86.1	76.0	72.1	73.0	70.2	64.6	70.6	74.6	77.0	78.4	80.9	94.3
	77.7	73.6	66.9	59.0	52.2											
G	DIST FROM SOURCE: 2079 METERS															
	74.5	82.0	86.4	86.3	81.1	77.6	74.7	71.6	71.2	66.6	66.8	69.7	73.9	74.7	77.1	91.4
	73.3	69.2	62.9	52.6	42.0											
I	DIST FROM SOURCE: 2377 METERS															
	73.9	80.6	84.3	83.1	81.6	81.0	77.2	70.9	66.5	64.7	66.8	71.4	73.5	75.1	76.9	90.2
	72.6	68.9	60.5	49.5												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 060 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 14 FEB 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.4	104.7	108.1	109.8	114.3	115.5	118.2	118.1	117.4	115.1	115.6	115.4	114.6	115.0	120.4	127.0
	113.4	110.8	110.1	109.6	107.6	105.6	105.2	104.8								
S	66 METERS															
DIST FROM SOURCE:	101.1	104.9	108.5	110.2	114.7	116.1	118.9	119.0	118.3	114.7	113.0	109.5	106.2	102.6	112.7	125.8
	97.7	96.0	94.9	94.7	95.3	94.5	93.5	91.9								
T	66 METERS															
DIST FROM SOURCE:	99.6	104.5	107.6	109.4	113.7	114.7	117.3	117.0	116.2	115.5	117.2	117.8	117.3	117.9	123.2	127.9
	116.3	113.8	113.1	112.6	110.4	108.4	108.1	107.7	103.6	103.4	102.1	98.0	99.1			
A	134 METERS															
DIST FROM SOURCE:	94.8	98.9	102.1	104.6	107.8	110.2	113.8	110.7	106.1	96.7	91.4	93.0	94.9	97.0	106.3	117.6
	97.2	97.4	96.6	96.4	94.8	93.9	92.8	91.7	89.4	86.7	83.1					
C	431 METERS															
DIST FROM SOURCE:	82.9	88.9	92.5	94.4	96.1	96.3	93.2	91.7	84.3	72.6	68.4	69.7	71.3	71.7	82.5	102.5
	71.4	70.3	71.0	69.0	67.2	65.0	60.7									
E	1255 METERS															
DIST FROM SOURCE:	70.2	77.7	82.7	84.5	86.1	84.6	76.0	65.3	58.7	54.4	58.0	61.8	63.3	63.6	70.3	91.1
	63.4	62.7	60.5	56.9	52.4	45.9										
F	1757 METERS															
DIST FROM SOURCE:	68.4	73.4	76.5	77.7	79.0	75.7	67.0	61.3	56.0	52.0	53.1	56.4	57.4	57.9	63.2	84.1
	56.8	55.6	52.9	48.4	42.3	36.8										
H	2273 METERS															
DIST FROM SOURCE:	60.8	64.5	65.0	65.3	61.6											
	54.3	53.2														
I	2377 METERS															
DIST FROM SOURCE:	65.0	70.7	72.8	72.4	68.3											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-101-061  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
100.7	106.2	108.6	109.8	112.6	113.8	115.3	114.9	112.7	110.9	109.3	107.2	105.3	103.9	110.9	122.6	
101.9	100.0	99.3	97.9	95.9	94.2											
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
101.3	106.4	109.0	110.1	113.1	114.4	115.9	115.8	113.5	110.7	107.1	101.7	96.7	91.9	107.0	122.8	
86.0	85.0	86.2	82.9	82.7	81.6											
T	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
99.9	105.9	108.1	109.4	112.1	113.1	114.5	113.8	111.6	111.0	110.8	109.5	108.0	106.8	113.1	122.5	
104.8	102.9	102.2	100.8	98.8	97.1	95.9	96.0	95.3	92.7	89.5						
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS
93.2	95.7	97.7	98.9	100.9	102.8	103.4	101.7	96.7	88.6	81.2	78.0	77.0	76.6	90.9	109.7	
74.7	74.3	72.9	71.3	70.1	69.5											
C	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE:	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS
84.8	87.9	90.8	91.2	92.6	92.4	89.2	85.8	78.9	67.8	60.1	58.2	57.7	57.3	76.2	99.2	
57.4	57.0	56.3	54.3	52.8	50.3											
E	OVERALL SAMPLE DURATION: 27 SEC															
DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS
73.2	78.3	81.8	82.6	83.4	81.3	72.4	60.5	56.1	51.6	52.1	53.4	52.8	52.0	63.4	89.0	
50.6	49.6	46.9	44.3													
F	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS
70.7	74.2	75.7	75.2	74.6	71.6	62.9										
45.9	44.7	41.8	37.3													
M	OVERALL SAMPLE DURATION: 26 SEC															
DIST FROM SOURCE:	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS
60.5	61.5	61.7	61.9													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
DIST FROM SOURCE: 66 METERS																	
	98.4	104.4	107.2	109.6	114.3	116.4	119.9	121.2	121.7	120.9	120.2	121.0	121.9	122.4	126.8	191.7	
	121.6	117.6	114.9	113.5	112.5	110.8	110.3	110.5	107.7	107.6	104.5	105.7					
S	DIST FROM SOURCE: 66 METERS																
	98.5	103.9	107.0	109.2	113.9	116.1	119.4	120.8	121.4	120.8	120.2	121.0	121.7	121.8	124.9	190.9	
	119.8	115.4	112.1	105.2	102.4	102.2	103.4	104.1	104.0	103.8	102.4	102.7					
T	DIST FROM SOURCE: 66 METERS																
	98.4	104.9	107.4	110.0	114.7	116.7	120.4	121.6	121.9	121.1	120.3	121.0	122.2	122.9	128.2	192.4	
	122.9	119.0	116.5	116.2	115.3	113.5	112.9	112.9	109.6	109.7	109.6	105.9	107.5				
A	DIST FROM SOURCE: 134 METERS																
	93.0	98.9	101.7	104.5	108.3	111.7	114.7	115.6	114.1	111.2	111.1	112.4	110.5	104.4	115.4	122.9	
	96.5	100.7	101.9	103.1	103.2	103.3	102.9	103.1	102.4	100.2	98.8	96.5	94.1				
B	DIST FROM SOURCE: 238 METERS																
	86.4	91.7	95.2	97.4	100.6	104.1	107.1	108.8	108.8	107.3	104.3	100.7	96.5	90.7	103.1	115.4	
	80.1	79.9	84.1	84.7	83.8	83.4	82.0	80.9	81.3								
C	DIST FROM SOURCE: 431 METERS																
	81.0	87.0	89.9	91.9	94.8	98.5	100.6	101.7	100.7	98.1	96.8	92.5	87.6	80.6	94.8	108.1	
	73.9	69.7	70.4	70.3	70.3	69.2	67.0	64.9									
D	DIST FROM SOURCE: 753 METERS																
	76.6	82.0	84.5	86.0	89.0	92.8	93.6	92.7	88.9	86.2	84.0	79.2	70.9	63.2	83.6	99.7	
	63.7	64.3	64.3	63.5	61.5	59.0	57.3	54.4	50.0								
E	DIST FROM SOURCE: 1255 METERS																
	66.9	73.2	76.8	77.9	80.8	85.1	87.3	86.6	82.0	70.1	67.2	64.1	63.4	60.8	75.4	92.5	
	60.0	60.0	59.4	58.8	57.3	53.9											
F	DIST FROM SOURCE: 1757 METERS																
	64.9	69.5	71.4	72.4	74.0	77.7	80.5	79.7	76.0	66.1	58.4	56.4	55.8	54.8	69.0	85.8	
	55.3	55.7	55.0	52.6	49.4	45.6	40.3										
G	DIST FROM SOURCE: 2087 METERS																
	62.4	67.1	69.5	69.5	70.6	74.5	76.5	76.2	71.9	61.7	56.4	54.2	53.5	53.3	65.8	82.2	
	54.4	54.1	54.0	52.5	48.5	44.1											
H	DIST FROM SOURCE: 2273 METERS																
	64.9	67.4	67.4	68.7	72.0	74.5	74.0	69.4									
	51.8	52.2	51.1	49.3													



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY  
 STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: NUMBER 067 DATE 20 FEB 80 )  
 ( MICROPHONE: ARRAY 02 )  
 IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-102-067  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	900	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.0	103.2	106.5	109.7	112.6	113.4	118.5	119.5	121.3	121.5	121.9	120.2	119.5	120.1	124.2	130.4
	118.2	114.5	111.9	107.7	106.3	104.8	104.7	106.7	106.1	105.2	104.3	101.4	99.1			
S	DIST FROM SOURCE: 75 METERS															
	98.1	102.8	106.1	109.6	112.5	114.4	118.2	119.7	122.2	122.5	122.8	120.8	120.9	122.3	125.5	131.4
	120.7	116.7	113.2	102.8	92.3	92.6	96.8	102.8	105.0	105.9	105.5	102.4	99.3			
T	DIST FROM SOURCE: 75 METERS															
	99.8	103.7	106.9	109.7	112.7	116.2	118.8	119.3	120.2	120.2	120.7	119.6	117.5	115.6	122.4	129.2
	112.0	109.7	109.8	109.9	109.3	107.7	107.4	108.7	107.0	104.4	102.6	100.0	98.9			
A	DIST FROM SOURCE: 134 METERS															
	88.5	94.6	98.8	102.5	105.1	109.5	113.7	114.4	114.9	115.1	116.7	117.0	115.8	114.6	118.4	125.0
	108.6	102.4	99.3	99.7	103.6	103.1	102.6	102.2	100.1	99.5	97.9					
B	DIST FROM SOURCE: 238 METERS															
	86.1	92.4	96.2	99.4	102.1	106.6	109.9	111.1	112.4	111.3	110.8	110.3	107.3	98.6	111.4	119.8
	88.2	92.0	95.4	99.0	100.2	98.5	96.3	94.8	95.9	92.5	88.5	84.3				
D	DIST FROM SOURCE: 753 METERS															
	78.2	84.3	88.0	91.3	94.2	97.9	100.5	100.2	97.6	93.6	92.3	83.0	71.8	71.7	97.6	106.7
	78.1	84.4	88.6	89.8	89.8	87.9	84.1	79.4	76.9	69.3	64.4					
F	DIST FROM SOURCE: 1757 METERS															
	75.2	80.1	83.2	86.6	89.6	93.2	96.3	95.0	91.1	80.4	71.5	69.7	65.2	64.8	84.2	101.0
	68.0	71.3	71.7	68.6	66.6	62.9										
E	DIST FROM SOURCE: 1255 METERS															
	71.6	78.5	83.4	87.6	90.8	94.9	98.2	97.7	94.2	81.9	78.8	76.1	71.5	67.3	88.8	103.2
	69.8	74.9	78.0	79.2	77.6	76.3	72.0	65.8								
G	DIST FROM SOURCE: 2079 METERS															
	72.7	79.2	83.3	86.6	90.1	92.9	95.4	93.9	88.7	75.8	71.9	71.3	69.3	67.6	84.1	100.2
	69.3	73.8	74.5	71.7	70.2	67.8	61.6									
H	DIST FROM SOURCE: 2273 METERS															
	72.6	77.8	82.8	86.6	90.2	92.8	94.0	92.1	86.1	77.0	73.8	70.4	65.3	65.7	83.9	99.3
	70.2	75.9	76.7	74.4	69.3	64.0										
I	DIST FROM SOURCE: 2377 METERS															
	73.8	79.6	83.9	88.0	92.3	95.1	96.4	92.6	83.6	77.9	73.2	70.0	66.4	70.3	85.0	101.0
	74.6	77.2	77.3	75.3	69.9	64.3										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 068 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 21 FEB 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
	95.4	101.6	105.2	108.2	113.2	116.1	119.9	122.3	123.2	122.4	120.4	119.9	119.6		125.7	131.4
	117.6	114.9	115.1	113.7	112.3	111.2	110.7	110.9	108.6	108.5	106.9	103.5	104.4			
S	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 66 METERS	93.2	98.4	102.3	104.9	110.0	113.2	116.8	119.2	120.5	119.9	118.5	118.9	118.6	119.1	123.1	129.0
	116.6	114.7	112.3	106.9	100.1	100.2	103.4	105.3	105.8	105.2	102.7	99.3	98.2			
T	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 66 METERS	96.8	103.5	106.9	110.0	115.0	117.8	121.7	124.1	124.8	124.0	121.8	121.5	120.9	120.5	127.3	132.9
	118.4	116.8	116.7	116.2	115.2	114.0	113.3	113.3	110.3	110.4	109.0	105.6	106.8			
A	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 134 METERS	94.7	98.5	101.9	105.1	109.5	113.5	117.3	119.9	120.3	119.2	117.3	116.7	114.0	110.9	120.0	127.5
	104.4	106.7	109.0	109.8	108.4	105.8	104.0	105.2	103.7	102.5	100.6	98.1	96.2			
B	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 238 METERS	86.0	91.7	95.9	98.8	102.7	107.3	110.7	113.4	113.9	113.2	110.3	107.4	102.3	93.2	112.2	120.6
	92.1	97.6	101.1	103.1	102.2	100.1	97.4	96.8	94.5	93.0	89.6					
C	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 431 METERS	82.1	88.3	92.3	95.1	99.5	104.5	107.9	110.5	110.1	107.3	103.9	96.0	85.2	81.8	107.9	116.4
	89.6	95.9	99.2	99.2	98.0	96.4	94.8	93.1	90.5	87.0	83.1					
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 1255 METERS	71.5	77.8	83.2	86.9	92.5	98.2	101.4	101.8	99.4	93.5	84.5	80.0	78.2	74.9	93.7	107.1
	80.7	83.2	84.9	83.5	80.8	76.7	72.5	66.3								
F	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 1757 METERS	70.6	76.2	80.2	83.3	88.8	94.4	97.1	97.5	93.9	85.3	75.4	71.1	67.3	70.7	87.8	102.5
	76.8	78.9	77.7	75.8	72.0	66.3	61.9									
G	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2087 METERS	71.1	75.3	80.6	83.6	88.1	94.4	95.9	96.5	93.0	82.0	74.8	71.7	69.8	71.1	86.0	101.6
	73.8	74.8	74.2	73.1	68.2	62.4										
H	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 2273 METERS	68.0	73.8	78.9	82.4	87.0	93.1	94.2	93.2	89.3	80.2	70.0	64.6	64.1	69.3	83.2	99.3
	72.0	72.5	71.7	70.4	65.0	58.1										
I	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 2377 METERS	63.5	68.4	75.1	79.9	83.9	90.0	91.1	90.2	85.4	78.0	70.7	67.2	65.0	62.6	79.9	96.2
	64.6	68.0	68.8	67.0	64.2	56.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-101-069  
 STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION D1 HT AGL 1.5 M  
 ( EVENT: NUMBER 069  
 DATE 21 FEB 80  
 OUTBOARD ENGINES USED )  
 MICROPHONE: ARRAY D1  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)												AL (DBA)	OASPL (DB)					
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	129.8	134.4			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K						
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC																		
S	100.8	105.6	109.5	113.4	119.2	120.5	122.3	121.4	121.0	124.6	125.8	123.5	125.0	124.7	130.6	135.5			
	121.8	120.5	120.0	119.5	114.1	112.8	114.7	114.1	113.0	112.4	110.3	108.1	108.9						
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC																		
T	101.1	105.5	109.7	113.4	119.3	120.7	122.4	121.7	121.6	125.4	126.8	125.1	127.1	127.1	128.8	133.0			
	124.2	122.2	119.3	114.4	108.2	107.8	110.9	112.7	113.3	112.0	108.8	107.9	108.1						
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC																		
A	100.4	105.7	109.4	113.3	119.2	120.3	122.2	121.0	120.4	123.7	124.5	121.0	120.9	119.0	121.1	127.6			
	116.3	117.4	120.6	120.6	116.5	115.1	116.0	115.2	112.8	112.7	111.5	108.3	109.6						
	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC																		
B	96.4	100.0	103.8	107.5	113.8	115.2	117.4	116.6	116.3	120.1	120.5	116.7	114.3	111.1	114.0	120.9			
	105.0	107.3	110.2	111.1	109.2	106.5	107.8	107.6	106.3	104.7	102.8	99.8	97.0						
	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC																		
C	89.8	93.4	97.7	101.6	107.8	108.8	111.2	110.7	110.3	114.2	113.5	107.8	102.9	94.9	107.9	115.5			
	97.0	102.6	105.5	105.9	102.5	101.0	99.8	98.4	96.8	94.6	90.8	87.6							
	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC																		
D	96.0	89.7	93.8	97.5	103.9	105.4	107.8	106.9	105.7	107.8	105.7	95.8	85.0	84.5	99.1	110.2			
	90.2	95.6	98.2	98.9	99.5	97.1	95.3	93.7	90.2	87.1	82.2								
	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 27 SEC																		
E	82.3	85.6	89.6	93.5	100.6	102.2	104.8	103.5	100.3	96.3	87.2	79.0	75.5	82.5	91.9	106.5			
	88.3	90.7	91.4	90.4	88.9	85.6	83.3	79.7	74.2	66.7									
	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 25 SEC																		
F	74.5	79.3	85.0	89.7	96.9	99.0	102.0	99.7	94.2	91.1	84.8	76.4	76.0	73.1	87.5	103.8			
	78.5	81.3	82.8	82.6	80.3	75.3	70.0	64.6											
	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 25 SEC																		
G	74.3	78.3	82.9	87.7	95.1	96.8	99.3	96.8	90.0	81.8	75.9	68.5	68.5	75.1	84.9	102.4			
	77.2	78.8	78.6	74.4	69.6	66.4	61.0												
	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC																		
H	74.2	76.6	82.4	87.0	93.8	96.4	97.7	94.9	88.2	77.5	73.8	69.8	69.6	72.1	82.1	100.2			
	74.2	74.0	73.6	70.4	65.3	60.6													
	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC																		
I	71.1	75.6	80.5	85.4	92.6	94.8	95.6	90.9	83.7	75.4	69.7	64.0	65.9	62.3	78.3	96.7			
	72.4	72.4	70.7	68.4	62.0														
	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC																		
												64.1	55.4	66.9	63.9	60.1	53.9		

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 070 ) ARRAY 02 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 21 FEB 80 ) ) TEST AA-102-070 )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

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1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	ORASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	98.2	101.9	106.6	108.7	111.9	115.6	118.4	120.6	122.2	122.2	122.0	119.5	117.2	117.0	123.0	130.1
	115.4	113.1	111.5	109.2	107.9	106.2	105.5	107.2			101.7	99.3	98.4			
OVERALL SAMPLE DURATION: 29 SEC																
S	DIST FROM SOURCE: 75 METERS															
	97.5	101.5	106.0	108.5	111.9	114.7	117.8	120.2	122.4	122.4	122.2	118.4	115.6	116.6	121.9	129.8
	115.4	112.5	110.7	104.4	97.0	95.1	94.8	98.6			95.9	93.4	93.6			
OVERALL SAMPLE DURATION: 26 SEC																
T	DIST FROM SOURCE: 75 METERS															
	98.9	102.3	107.2	109.0	112.0	116.4	119.0	121.9	121.9	121.9	121.9	120.5	118.4	117.4	124.1	130.5
	115.5	113.7	112.1	111.4	110.7	109.0	108.3	109.9	108.7	106.6	104.1	101.7	100.6			
OVERALL SAMPLE DURATION: 31 SEC																
A	DIST FROM SOURCE: 134 METERS															
	88.1	94.8	99.3	102.6	105.2	109.8	114.0	114.8	114.9	114.8	115.3	113.1	111.3	109.6	115.6	123.5
	106.0	103.9	101.7	99.4	100.4	98.5	98.0	99.6	97.0	96.1	94.9	90.9	91.2			
OVERALL SAMPLE DURATION: 22 SEC																
B	DIST FROM SOURCE: 238 METERS															
	85.0	91.4	95.0	96.6	99.0	102.6	105.6	109.2	104.7	102.8	100.8	98.3	96.3	92.6	100.7	112.6
	87.4	84.5	83.5	84.3	83.7	82.3	81.7	80.6								
OVERALL SAMPLE DURATION: 29 SEC																
D	DIST FROM SOURCE: 753 METERS															
	75.3	78.0	80.6	80.5	82.7	83.3	83.8	80.4	81.2	75.2	72.4	71.4	71.3	68.6	77.6	91.1
	67.7	67.6	67.6	66.1	64.8	63.1	61.3	57.3	52.9							
OVERALL SAMPLE DURATION: 31 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	67.2	69.3	71.7	72.2	73.4	74.1	75.6	75.3	75.7	71.3	69.8	69.2	68.5	66.8	73.5	83.1
	64.5	64.0	63.8	62.5	61.1	58.0	53.9									
OVERALL SAMPLE DURATION: 28 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	63.3	66.7	66.9	66.5	67.1	69.1	71.4	71.7	71.6	67.2	66.0	64.9	63.8	62.5	69.9	79.8
	62.5	61.7	60.9	59.2	56.2	51.6										
OVERALL SAMPLE DURATION: 32 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	63.6	64.2	65.5			68.9	69.9	69.3	68.5	66.4	65.2	64.0	62.9	61.3	67.6	76.4
	59.5	58.3	57.4	55.6	52.6	48.8										
OVERALL SAMPLE DURATION: 27 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	67.2	65.6	64.6			68.1	68.3	67.9	66.2	64.4	64.0	62.1	60.9	59.3	65.9	75.2
	57.8	57.2	56.0	54.3	50.8	46.0										
OVERALL SAMPLE DURATION: -29 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	58.8	58.7	58.1	55.9	52.2	48.1	70.7	69.5	67.5	66.3	65.2	63.9	61.8	61.0	67.3	75.7

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 071 ) ARRAY 02 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 22 FEB 80 ) ) TEST AA-102-071 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
		96.8	101.2	105.1	108.1	112.6	115.4	120.1	122.9	125.4	129.0	132.1	136.1	141.4	124.5	131.4	
S	OVERALL SAMPLE DURATION: 21 SEC																
	DIST FROM SOURCE: 75 METERS	96.8	101.3	105.3	108.6	113.3	115.6	120.7	123.9	127.1	125.1	124.6	120.6	117.7	115.8	124.3	132.7
		111.0	105.3	108.0	104.8	106.4	109.9	110.0	113.3	111.9	106.7	109.4	103.0	102.7			
T	OVERALL SAMPLE DURATION: 24 SEC																
	DIST FROM SOURCE: 75 METERS	96.8	101.1	104.9	107.5	111.8	115.3	119.4	121.7	122.6	119.0	115.6	112.0	110.4	111.8	124.8	129.5
		115.3	116.1	116.4	115.3	114.1	111.8	110.8	112.2	110.8	108.2	106.2	104.0	103.3			
A	OVERALL SAMPLE DURATION: 23 SEC																
	DIST FROM SOURCE: 134 METERS	86.9	92.4	98.0	101.8	106.4	110.5	117.1	119.4	118.3	113.5	111.0	104.7	97.8	101.7	119.2	125.2
		106.9	114.3	112.7	109.6	108.4	106.7	104.9	105.8	103.1	100.7	98.9					
B	OVERALL SAMPLE DURATION: 25 SEC																
	DIST FROM SOURCE: 238 METERS	85.9	91.2	95.5	98.6	104.3	108.2	113.6	114.1	112.5	104.5	99.9	90.7	92.8	99.7	112.8	119.9
		104.3	106.8	105.1	102.1	102.0	99.6	98.9	96.8	96.2	92.2	87.3					
D	OVERALL SAMPLE DURATION: 17 SEC																
	DIST FROM SOURCE: 753 METERS	79.9	86.1	90.3	93.8	99.2	100.9	103.6	100.9	95.1	84.2	78.3	82.4	86.8	91.2	98.9	108.6
		92.9	93.2	91.4	87.9	86.2	83.7	81.2	75.5	68.6							
E	OVERALL SAMPLE DURATION: 25 SEC																
	DIST FROM SOURCE: 1255 METERS	76.7	83.4	88.3	90.7	94.4	96.1	98.2	93.8	89.6	78.5	75.8	76.4	81.3	86.1	92.5	103.2
		87.2	85.8	84.6	80.5	79.4	74.8	69.4	61.9								
G	OVERALL SAMPLE DURATION: 26 SEC																
	DIST FROM SOURCE: 2079 METERS	76.4	82.3	85.8	86.8	87.1	84.9	82.4	82.2	78.9	70.7	71.4	71.9	76.8	79.9	83.5	94.2
		79.4	76.7	73.7	71.5	67.7	62.5										
M	OVERALL SAMPLE DURATION: 22 SEC																
	DIST FROM SOURCE: 2273 METERS	79.7	84.2	85.8		82.4	80.6	81.5	75.1	69.8	69.1	73.1	75.5	78.0	81.8	91.4	
		77.0	74.9	72.5	70.6	66.4	60.3										
I	OVERALL SAMPLE DURATION: 22 SEC																
	DIST FROM SOURCE: 2377 METERS	74.8	80.0	83.3	85.2	85.4	82.7	81.1	79.4	74.5	69.8	68.2	72.4	76.0	79.1	82.0	92.3
		77.6	74.4	72.2	70.3	65.4	59.6										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT: NUMBER 072		MICROPHONE: ARRAY 02		IDENTIFICATION: OMEGA 12.2	
SOUND SOURCE: C-135A		DATE 22 FEB 80				TEST AA-102-072	
LOCATION 02 HT AGL 1.5 M						DATE 05 FEB 87	
						PAGE F1	
MICROPHONE LOCATION	25 31.5 40 50 60 63 80 100 125 150 200 250 315 400 500	1/3 OBSPL (DB)	FOR GIVEN FREQ BAND (HZ)	AL	OASPL (DB)		
U	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		OVERALL SAMPLE DURATION: 25 SEC				
	98.7 102.7 107.6 110.6 113.8 118.7 120.6 123.6 125.9 126.1 124.9 120.2 117.5 116.7				124.9	132.8	
	114.2 113.2 113.0 112.2 110.6 109.5 108.9 110.9 109.6 106.3 103.5 102.1 101.6						
S	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 25 SEC			125.3	134.3	
	98.8 103.0 108.0 111.0 114.4 119.0 121.4 124.6 127.5 128.0 127.2 122.7 119.7 118.6						
	112.6 105.9 104.3 102.2 103.3 106.9 107.8 110.8 109.5 104.9 101.2 101.1 100.7						
T	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 24 SEC			124.6	130.5	
	98.5 102.3 107.2 110.1 113.0 118.3 119.8 122.5 123.2 122.5 119.4 113.6 112.7 113.2						
	115.4 115.8 115.7 115.0 113.1 111.1 109.8 111.0 109.7 107.3 105.0 102.8 102.4						
A	DIST FROM SOURCE: 134 METERS	OVERALL SAMPLE DURATION: 34 SEC			120.1	126.8	
	88.5 94.8 99.9 104.4 108.2 113.4 117.4 120.3 120.7 117.7 112.8 105.4 101.2 103.9						
	108.6 112.1 113.1 109.7 109.5 107.3 105.2 106.3 102.9 101.3 100.2						
B	DIST FROM SOURCE: 238 METERS	OVERALL SAMPLE DURATION: 34 SEC			112.7	120.8	
	87.6 94.1 98.4 101.6 106.9 111.5 113.8 114.3 113.6 108.1 100.4 92.7 94.9 101.5						
	105.2 106.4 103.8 101.9 101.7 99.3 98.3 96.4 95.0 91.4 87.0 83.7						
D	DIST FROM SOURCE: 753 METERS	OVERALL SAMPLE DURATION: 32 SEC			101.9	112.3	
	81.7 89.0 93.8 97.6 103.1 105.8 106.7 104.3 100.2 96.3 80.4 83.9 90.5 94.9						
	96.7 96.3 93.1 89.8 88.4 85.8 83.8 78.5 72.1 64.1						
E	DIST FROM SOURCE: 1255 METERS	OVERALL SAMPLE DURATION: 31 SEC			96.9	105.3	
	77.3 85.4 90.6 93.6 98.0 99.2 96.9 92.1 92.2 84.9 81.6 82.3 84.7 91.8						
	92.5 91.7 87.9 85.0 82.7 78.5 73.9 68.3						
G	DIST FROM SOURCE: 2079 METERS	OVERALL SAMPLE DURATION: 32 SEC			88.0	97.7	
	75.8 83.3 87.0 87.8 91.7 88.6 85.3 88.2 85.1 76.8 74.2 76.2 80.9 83.9						
	84.0 81.6 78.3 76.6 69.0						
H	DIST FROM SOURCE: 2273 METERS	OVERALL SAMPLE DURATION: 31 SEC			86.4	96.0	
	83.4 85.5 87.9 90.9 87.6 83.5 84.4 81.6 73.1 70.7 75.6 81.1 82.8						
	82.3 79.5 77.1 74.0						
I	DIST FROM SOURCE: 2377 METERS	OVERALL SAMPLE DURATION: 30 SEC			89.1	99.3	
	79.0 85.0 87.2 89.5 92.6 90.4 87.6 90.7 88.7 78.1 74.7 77.7 83.6 85.3						
	85.1 81.8 79.0 76.3 67.0						

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA TEST  
 STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M  
 EVENT: NUMBER 073 DATE 27 FEB 80  
 MICROPHONE: ARRAY 01  
 DATE 05 FEB PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OF			
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K						
	DIST FROM SOURCE: 66 METERS																		
	106.2	107.8	108.8	109.0	111.9	113.9	115.8	117.1	117.3	117.4	118.2	117.2	116.0	115.3	121.6	12			
	114.0	112.5	112.1	110.0	108.6	106.6	106.4	105.2	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										
	OVERALL SAMPLE DURATION: 21 SEC																		
S	DIST FROM SOURCE: 66 METERS																		
	100.0	105.3	107.8	108.9	111.9	114.2	116.0	117.2	117.0	117.1	117.7	115.8	113.3	110.9	117.1	12			
	104.9	100.1	98.9	98.5	101.0	100.2	101.1	101.9	99.0 98.1										
	OVERALL SAMPLE DURATION: 23 SEC																		
T	DIST FROM SOURCE: 66 METERS																		
	108.6	109.4	109.6	109.2	111.9	113.7	115.6	117.0	117.6	118.6	118.2	117.7	117.4		124.0	12			
	116.8	115.3	115.0	112.8	111.2	109.1	108.7	107.1	106.5	104.4	103.0	104.4	107.5						
	OVERALL SAMPLE DURATION: 23 SEC																		
A	DIST FROM SOURCE: 134 METERS																		
	93.6	99.6	102.5	102.8	104.0	104.3	100.3	95.3	93.9	94.6	96.8	98.7	99.9	99.7	107.3	11.			
	95.5	99.2	98.7	97.2	95.8	95.0	93.7	92.6	89.8	87.0	83.9								
	OVERALL SAMPLE DURATION: 22 SEC																		
B	DIST FROM SOURCE: 238 METERS																		
	89.1	95.2	97.7	97.9	100.0	94.6	87.3	78.4	80.5	81.9	84.2	86.6	89.1	89.6	97.1	101			
	89.0	89.6	89.9	87.7	86.1	84.6	82.3	80.0	75.5	70.8	65.9								
	OVERALL SAMPLE DURATION: 22 SEC																		
C	DIST FROM SOURCE: 431 METERS																		
	83.6	90.5	94.0	93.8	92.9	88.8	82.2	75.4	73.8	74.2	77.0	79.0	81.7	83.5	90.2	101			
	83.5	83.4	82.2	81.2	79.2	76.9	72.6	68.9											
	OVERALL SAMPLE DURATION: 21 SEC																		
D	DIST FROM SOURCE: 753 METERS																		
	78.6	83.3	86.6	85.9	83.6	79.7	74.2	67.9	66.4	64.4	69.4	71.8	73.5	74.5	80.2	98			
	73.8	73.4	72.9	70.7	67.4	62.4													
	OVERALL SAMPLE DURATION: 19 SEC																		
E	DIST FROM SOURCE: 1255 METERS																		
	71.5	70.6	68.0	64.0	59.1	52.0													
	OVERALL SAMPLE DURATION: 25 SEC																		
F	DIST FROM SOURCE: 1757 METERS																		
	68.1	67.7	64.5	61.9	61.6	63.3	63.1	63.0	58.3	60.5	64.2	66.0	66.0	66.0	70.1	76			
	65.2	63.7	61.0	56.0	49.4	40.4													
	OVERALL SAMPLE DURATION: 17 SEC																		
G	DIST FROM SOURCE: 2087 METERS																		
	66.2	63.7	60.1	55.2												66.9	67.3		
	OVERALL SAMPLE DURATION: -2 SEC																		
H	DIST FROM SOURCE: 2273 METERS																		
	OVERALL SAMPLE DURATION: 8 SEC																		
I	DIST FROM SOURCE: 2377 METERS																		
	OVERALL SAMPLE DURATION: 57.9 59.4 59.2 60.2																		
	57.5 55.1																		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )															
SOUND SOURCE: C-135A ( NUMBER 074 ) ARRAY 01 ) OMEGA 12.2 )															
LOCATION 01 HT AGL 1.5 M ( DATE 01 APR 80 ) ) TEST AA-101-074 )															
MICROPHONE LOCATION )															
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OASPL
630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		(DBA)	(DB)
DIST FROM SOURCE: 66 METERS															
98.8	104.1	107.1	108.7	113.3	114.9	118.7	120.8	121.5	120.0	119.7	119.1	119.3	118.6	124.6	130.1
118.0	115.8	114.8	112.7	111.8	109.6	109.4	107.7								
DIST FROM SOURCE: 66 METERS															
98.5	103.7	106.6	108.3	112.9	114.5	118.3	120.3	120.9	119.3	119.0	117.8	117.3	115.1	119.7	128.4
112.5	107.8	102.3	94.9	95.8	95.1	95.0	95.0								
DIST FROM SOURCE: 66 METERS															
99.0	104.4	107.6	109.2	113.8	115.2	119.1	121.3	122.0	120.6	120.2	120.1	120.7	120.5	127.1	131.4
120.4	118.5	117.7	115.7	114.7	112.5	112.4	110.6	109.9	108.7	107.8	105.3	105.7			
DIST FROM SOURCE: 134 METERS															
91.5	97.3	100.3	102.1	105.3	108.5	111.7	112.9	112.7	109.8	106.6	101.5	97.1	96.3	107.3	119.3
96.4	96.3	95.2	93.4	90.9	90.1	88.2	87.5	83.7	82.7						
DIST FROM SOURCE: 238 METERS															
84.8	90.9	93.5	95.8	97.8	101.4	103.9	104.6	103.7	98.5	92.3	84.6	80.6	78.9	95.5	110.6
79.1	78.5	79.1	78.1	75.9	74.4	72.7	73.4								
DIST FROM SOURCE: 431 METERS															
78.9	85.7	88.9	90.5	92.3	95.1	96.8	96.4	93.4	85.8	77.8	69.6	68.5	69.3	85.8	102.8
69.9	69.4	68.9	68.9	67.6	66.4	63.4	62.0								
DIST FROM SOURCE: 753 METERS															
74.6	79.8	82.3	82.8	83.7	86.2	86.2	85.3	82.0	71.3	63.0	61.2	62.1	62.5	75.6	93.2
63.2	63.4	63.3	61.7	59.8	57.2	54.5	51.3	46.4							
DIST FROM SOURCE: 1255 METERS															
68.1	73.0	76.5	75.7	77.4	78.4	77.8	74.9	69.4	60.4	55.4	56.9	58.0	58.3	67.5	85.3
58.6	58.6	57.4	55.5	53.2	49.9										
DIST FROM SOURCE: 1757 METERS															
62.3	64.3	65.7	65.0	66.3	67.1	66.9	62.0	59.7	55.8	52.3	52.8	52.8	52.4	59.7	74.6
52.3	52.1	51.2	48.1	44.5	40.6										
DIST FROM SOURCE: 2087 METERS															
60.6	63.3	61.2	61.4	64.2	60.7	58.8	57.8	51.8	50.5	52.0	53.2	52.6	52.6	58.8	70.9
52.2	51.4	50.9	48.4	44.4											
DIST FROM SOURCE: 2377 METERS															
63.2	62.7	60.0	59.7	59.6	59.4	56.9	52.8	51.2	51.6	51.9	52.6	52.6	52.6	57.3	68.9
50.4	49.6	48.7	44.7	42.0	35.2										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY																
STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) IDENTIFICATION:																
SOUND SOURCE: C-135A ( ) OMEGA 12.2																
LOCATION 01 MT AGL 1.5 M ( ) DATE 01 APR 80 ( ) TEST AA-101-075																
MICROPHONE: )																
ARRAY 01 )																
DATE 05 FEB 87 )																
PAGE F1 )																
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
MICROPHONE	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OBSPL
LOCATION	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		(DBA)	(DB)
DIST FROM SOURCE: 66 METERS																
U	98.6	104.2	106.9	108.2	115.0	114.4	117.1	118.0	118.2	116.6	117.4	116.7	116.4	114.8	121.3	127.6
	114.1	111.9	110.7	108.1	108.4	106.4	106.2	104.9		103.0	101.8	99.4	99.1			
DIST FROM SOURCE: 66 METERS																
S	98.5	103.9	106.5	107.7	114.5	113.9	116.6	118.4	117.6	115.9	116.9	115.6	114.7	111.7	117.3	126.3
	108.7	104.4	99.1	93.9	97.4	97.9	99.4	100.0		98.7	98.5	96.9	96.0			
DIST FROM SOURCE: 66 METERS																
T	98.7	104.4	107.4	108.7	115.5	114.8	117.5	119.2	118.7	117.2	117.9	117.6	117.6	116.6	123.4	128.6
	116.5	114.5	113.5	111.0	111.2	109.1	108.7	107.1	106.4	105.1	103.7	101.0	100.9			
DIST FROM SOURCE: 134 METERS																
A	91.4	97.7	100.8	102.4	106.0	108.2	109.0	110.6	109.1	106.0	104.1	98.9	94.4	93.5	106.3	117.3
	93.6	94.0	95.0	94.6	93.8	94.0	93.0	92.8	92.1	89.1	85.2	83.2				
DIST FROM SOURCE: 238 METERS																
B	85.3	91.6	94.2	96.5	100.3	101.4	102.7	102.6	100.4	95.0	90.1	82.2	80.0	80.1	94.1	109.4
	80.4	80.4	81.2	80.6	79.9	78.8	77.7	78.0								
DIST FROM SOURCE: 431 METERS																
C	79.7	87.0	90.2	92.3	96.5	97.5	98.2	97.0	93.1	85.5	79.3	71.8	71.6	72.0	86.9	104.4
	72.6	72.4	71.7	71.7	70.3	68.9	66.0	65.0								
DIST FROM SOURCE: 753 METERS																
D	75.9	80.7	83.6	85.3	90.1	91.1	91.9	90.6	86.7	74.8	64.1	62.1	61.8	63.0	79.8	98.0
	64.2	64.5	64.8	63.2	61.4	58.7										
DIST FROM SOURCE: 1255 METERS																
E	68.5	74.3	76.3	77.4	81.2	81.8	81.9	78.9	73.4	62.3	55.4	56.3	57.3	58.0	69.6	88.3
	58.3	58.4	57.1	55.2	52.9	49.5										
DIST FROM SOURCE: 1757 METERS																
F	65.3	67.2	68.2	70.9	71.9	69.7	67.2	61.6	54.2	52.1	53.0	53.9	53.5		61.3	77.9
	53.0	53.0	52.2	49.4	46.0	41.7										
DIST FROM SOURCE: 2087 METERS																
G	60.1	63.4	64.3	63.2	65.6	66.6	64.8	61.7	56.6	48.7	48.1	51.0	53.1	53.0	59.5	73.3
	52.8	52.4	51.9	49.1	44.7											
DIST FROM SOURCE: 2977 METERS																
I	62.6	62.1	62.1	61.7	60.4	57.3	53.1	49.5	47.0	48.5	49.7	50.0			55.8	69.0
	49.0	48.2	47.9	44.0	41.2	34.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-076  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135B  
 LOCATION 01 MT AGL 1.5 M  
 ( EVENT: NUMBER 076 DATE 03 APR 80  
 )  
 ) MICROPHONE: ARRAY 01  
 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.9	104.8	107.9	108.5	112.9	114.2	117.2	118.5	118.6	117.4	115.8	112.9	110.1	107.0	115.1	126.0
	104.3	101.6	99.0	97.0	96.8	95.1	95.0	97.4	94.6	92.5						
S	DIST FROM SOURCE: 66 METERS															
	100.8	105.5	108.4	109.0	113.4	114.9	117.8	119.1	119.1	117.9	116.2	112.9	109.7	105.7	114.6	126.4
	101.5	98.0	92.2	85.8	88.1	87.9	90.7	92.9	90.0	89.4						
T	DIST FROM SOURCE: 66 METERS															
	98.9	104.1	107.3	107.9	112.3	113.5	116.5	117.8	118.0	116.9	115.4	112.9	110.5	108.0	115.7	125.5
	106.0	103.6	101.6	99.8	99.5	97.7	97.2	97.1	99.5	96.8	94.3	92.2	91.3			
A	DIST FROM SOURCE: 134 METERS															
	92.6	98.2	101.4	102.2	105.0	108.0	110.2	110.8	109.8	106.7	102.1	94.6	86.8	84.7	102.6	117.2
	84.0	83.9	83.4	82.5	81.5	81.8	81.7	83.1	84.6	81.0	77.3					
B	DIST FROM SOURCE: 238 METERS															
	86.6	92.4	95.2	97.3	98.2	101.4	102.9	102.6	100.7	95.3	87.3	77.0	71.6	69.5	92.4	109.3
	69.0	68.6	68.9	68.2	67.8	67.2										
C	DIST FROM SOURCE: 431 METERS															
	81.2	87.9	91.4	92.9	94.4	97.0	97.7	96.3	92.0	83.7	74.8				85.1	103.8
	65.3	64.1	62.8	62.1	61.2											
D	DIST FROM SOURCE: 753 METERS															
	77.8	82.9	86.1	87.9	89.2	92.0	92.5	90.7	85.9	73.3	65.6	63.5	61.3	60.7	79.4	98.5
	60.4	60.3	60.8													
E	DIST FROM SOURCE: 1255 METERS															
	71.7	77.5	81.1	83.1	83.4	85.0	85.1	80.9	73.7	62.1	55.8	55.3	55.1	55.2	70.8	91.4
	55.1	54.9	53.7	50.6												
F	DIST FROM SOURCE: 1757 METERS															
	67.5	70.8	74.3	74.9	75.8											
	48.8															
G	DIST FROM SOURCE: 2087 METERS															
	67.6	69.9	72.7	73.4	73.1											
	50.2															
I	DIST FROM SOURCE: 2377 METERS															
	64.5	68.9	71.4	70.5	72.1	70.0	67.1	61.3								
	50.2															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( ) NUMBER 077 ) ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( DATE 03 APR 80 ) ) TEST AA-101-077  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 40 SEC															
S	98.5	103.5	106.4	108.3	113.3	115.9	119.8	122.9	124.4	123.6	121.5	122.1	124.1	121.8	126.8	132.6
	119.7	116.3	114.0	112.4	112.3	110.2	110.6	109.8	109.7	108.3	107.8	105.9	105.6			
	OVERALL SAMPLE DURATION: 40 SEC															
T	99.2	104.1	106.8	108.8	113.8	116.5	120.4	123.6	125.1	124.3	122.3	122.7	124.4	121.3	125.7	132.8
	117.6	113.0	106.4	101.9	105.1	105.2	106.7	107.5	108.1	107.2	107.5	105.6	105.3			
	OVERALL SAMPLE DURATION: 40 SEC															
A	97.7	102.9	105.8	107.8	112.7	115.1	119.1	122.1	123.5	122.7	120.4	121.5	123.8	122.1	127.8	132.5
	121.1	118.2	116.7	115.2	114.9	112.5	112.6	111.3	110.8	109.3	108.2	106.2	105.9			
	OVERALL SAMPLE DURATION: 35 SEC															
B	91.3	96.9	100.1	102.1	105.8	109.9	113.1	115.3	115.6	112.7	106.7	98.1	99.2	101.1	115.2	122.0
	102.7	103.8	104.6	105.0	104.7	105.1	103.6	102.9	101.4	100.1	97.6	95.9	94.0			
	OVERALL SAMPLE DURATION: 40 SEC															
C	85.5	91.4	94.6	97.1	100.1	104.7	107.0	108.0	106.9	100.6	88.3	82.7	87.1	89.6	106.1	114.1
	92.4	95.2	97.2	97.8	97.1	95.3	93.0	93.4	91.0	87.6	83.9	80.9	79.5			
	OVERALL SAMPLE DURATION: 39 SEC															
D	80.7	87.8	91.8	94.1	97.7	101.9	103.1	102.0	95.4	84.2	77.2	78.7	83.6	87.3	101.8	109.0
	90.2	92.7	93.3	94.0	92.9	92.1	88.9	86.9	83.2	80.0	76.4					
	OVERALL SAMPLE DURATION: 39 SEC															
E	77.7	83.3	87.4	89.7	93.5	98.0	98.3	95.8	89.9	79.0	69.7	74.3	78.8	82.3	94.8	103.9
	85.5	87.1	86.7	86.7	85.4	82.6	80.0	77.5	74.0	67.7						
	OVERALL SAMPLE DURATION: 36 SEC															
F	73.3	80.3	84.6	86.6	90.2	92.9	91.4	86.1	79.7	71.9	70.1	74.5	77.7		87.9	98.1
	78.4	79.7	81.9	80.2	78.3	74.7	70.2	66.8								
	OVERALL SAMPLE DURATION: 35 SEC															
G	69.0	74.9	78.6	80.6	83.6	85.6	83.3	78.8	71.7	65.5	61.1	62.8	64.9	67.4	79.0	90.8
	69.4	72.2	72.7	70.7	68.7	65.5	58.3	54.1								
	OVERALL SAMPLE DURATION: 39 SEC															
I	67.0	73.0	77.6	79.2	81.4	83.7	80.0	79.7	69.8	60.4	56.5	61.6	65.1	65.6	75.9	88.6
	66.7	68.6	69.9	67.9	64.9	60.5										
	OVERALL SAMPLE DURATION: 35 SEC															
J	66.4	72.5	76.3	77.9	80.2	77.8	72.2	65.3	60.0	56.7	57.3	59.2	62.9		71.6	85.1
	62.6	64.5	65.3	62.1	60.9	55.2										
	OVERALL SAMPLE DURATION: 35 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER OBS ARRAY 01 ) IDENTIFICATION: OMEGA 12.2  
 SOUND SOURCE: C-135A ( DATE 10 APR 80 ) TEST AA-101-08D  
 LOCATION 01 HT AGL 1.5 M ( ) MICROPHONE: DATE 05 FEB 87  
 ( ) ( ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 19 SEC															
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 19 SEC															
	OVERALL SAMPLE DURATION: 19 SEC															
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 19 SEC															
	OVERALL SAMPLE DURATION: 19 SEC															
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 20 SEC															
	OVERALL SAMPLE DURATION: 20 SEC															
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 18 SEC															
	OVERALL SAMPLE DURATION: 18 SEC															
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 19 SEC															
	OVERALL SAMPLE DURATION: 19 SEC															
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 17 SEC															
	OVERALL SAMPLE DURATION: 17 SEC															
E	DIST FROM SOURCE: 1295 METERS															
	OVERALL SAMPLE DURATION: 15 SEC															
	OVERALL SAMPLE DURATION: 15 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 15 SEC															
	OVERALL SAMPLE DURATION: 15 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 19 SEC															
	OVERALL SAMPLE DURATION: 19 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 16 SEC															
	OVERALL SAMPLE DURATION: 16 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2 )  
 ) TEST AA-101-081 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 ) ) ) )  
 SOUND SOURCE: C-135A ( NUMBER 081 ) )  
 ) ) ) )  
 LOCATION 01 HT AGL 1.5 M ( DATE 10 APR 80 ) )  
 ) ) ) )  
 ) ) ) )  
 ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	AL OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.8	105.1	107.9	109.6	112.8	115.6	117.6	119.5	119.3	118.7	118.0	115.6	114.5	113.6	120.5	127.8
	113.2	112.0	111.2	109.1	108.0	105.6										
S	DIST FROM SOURCE: 66 METERS															
	100.1	105.2	107.8	109.5	112.6	115.4	117.3	119.0	118.5	117.6	116.8	113.5	111.6	109.1	115.7	126.4
	105.8	103.6	99.6	92.4	89.4	87.9										
T	DIST FROM SOURCE: 66 METERS															
	99.4	105.0	107.9	109.7	112.9	115.7	118.0	120.0	119.9	119.5	118.9	116.9	116.2	115.8	123.3	128.9
	115.8	114.7	114.0	112.1	111.0	108.5	108.5	106.5	105.7	103.8	102.1	99.8	97.9			
A	DIST FROM SOURCE: 134 METERS															
	92.6	98.1	101.2	102.7	104.6	108.4	109.6	110.7	109.6	107.3	104.9	100.2	96.0	91.9	104.1	117.3
	89.9	89.6	88.9	87.4	85.4	84.7	83.3	82.7	78.7	77.4						
B	DIST FROM SOURCE: 238 METERS															
	87.9	93.7	96.2	97.7	99.0	102.1	102.5	102.4	100.4	96.3	92.3	86.1	82.9	81.9	94.4	109.6
	81.4	81.9	81.3	80.1	79.1	77.5	77.0	75.8								
C	DIST FROM SOURCE: 431 METERS															
	80.8	87.5	90.3	91.3	92.5	94.8	94.6	94.2	91.1	85.2	80.7	77.9	78.3	78.2	87.6	101.9
	78.2	78.0	76.8	76.7	75.1	73.5										
D	DIST FROM SOURCE: 753 METERS															
	75.5	79.6	81.8	82.0	81.6	83.8	84.6	84.5	81.3	76.3	75.7	74.0	73.1	72.7	80.9	92.4
	72.7	72.4	72.7	70.9	68.9	65.8										
E	DIST FROM SOURCE: 1255 METERS															
	69.0	74.5	71.7	73.8	76.8	75.0	75.0	74.1	74.6	70.4	68.3	68.5	68.5	68.5	75.5	84.3
	64.3	64.6	65.8	65.6	64.3	64.6	65.2	65.0	63.6	69.8	77.5					
F	DIST FROM SOURCE: 1757 METERS															
	63.1	62.4	61.0	58.2	54.0	48.8										
G	DIST FROM SOURCE: 2087 METERS															
	63.5	62.5	61.6	58.3	53.1	46.4										
I	DIST FROM SOURCE: 2377 METERS															
	58.1	57.2	56.2	51.6	49.1											
	63.9	64.4	63.6	61.4	61.6	61.9	60.7	60.4	65.1	72.2						

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-082

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 082  
 DATE 10 APR 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87  
 PAGE F1

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.4	104.4	107.4	108.6	113.3	115.2	119.0	120.5	120.2	119.3	118.4	117.1	116.0	114.5	121.5	128.6
	114.3	113.0	112.2	110.5	109.0	106.2										
S	DIST FROM SOURCE: 66 METERS															
	99.7	104.5	107.0	108.4	113.1	114.9	118.5	119.9	119.4	118.3	117.3	114.9	112.8	109.6	116.4	127.1
	106.5	103.8	99.9	92.4	89.3	87.6										
T	DIST FROM SOURCE: 66 METERS															
	99.1	104.4	107.3	108.8	113.6	115.4	119.4	121.0	120.9	120.2	119.4	118.5	117.8	116.7	124.2	129.8
	116.9	115.8	115.1	113.4	112.0	109.2	109.0	106.8	105.0	103.2	101.5	99.6	98.7			
A	DIST FROM SOURCE: 134 METERS															
	92.2	97.6	100.2	101.7	104.6	108.2	110.6	110.7	109.3	106.9	104.2	100.0	95.4	90.6	103.5	117.3
	88.3	87.1	86.4	85.1	83.2	81.9	80.1	79.5								
B	DIST FROM SOURCE: 238 METERS															
	86.8	92.6	94.8	96.4	97.9	100.7	101.9	100.4	97.3	90.6	86.0	81.4	78.6	77.6	91.3	107.9
	78.3	78.4	78.2	76.8	75.6	74.0										
C	DIST FROM SOURCE: 431 METERS															
	79.2	85.3	87.7	88.5	90.1	91.3	89.2	88.4	84.7	78.4	74.5	73.9	74.0	74.0	82.8	97.9
	73.9	74.2	73.2	73.5	71.8											
D	DIST FROM SOURCE: 753 METERS															
	74.1	78.3	79.3	77.8	77.8	77.0	77.1	76.9	76.8	72.9	69.2	70.1	69.4	69.2	78.7	87.9
	70.6	70.4	71.6	70.1	71.1											
E	DIST FROM SOURCE: 1255 METERS															
	70.1	68.1	69.4	68.1	69.4	73.2	71.8	70.4	66.3	64.1	64.7	64.9	64.0	64.0	70.7	79.8
	63.9	63.3	62.1	59.8	57.3	54.4										
F	DIST FROM SOURCE: 1757 METERS															
	61.8	61.4	60.2	57.5	53.1	48.4	65.9	65.3	68.1	71.6	72.0	70.1	66.8	64.5	64.3	64.0
	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
G	DIST FROM SOURCE: 2087 METERS															
	59.9	59.1	58.6	55.5	50.1	66.5	67.9	67.6	66.7	61.2	61.2	59.5	60.1	59.9	66.4	74.7
I	DIST FROM SOURCE: 2377 METERS															
	66.3	66.5	64.3	61.5	59.7	59.1	58.1	59.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
	57.3	56.5	55.7	51.0												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-101-081  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER DB1 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 10 APR 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	99.8	105.1	107.9	109.6	112.8	115.6	117.6	119.5	119.3	118.7	118.0	115.6	114.5	113.6	120.5	127.8
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	100.1	105.2	107.8	109.5	112.6	115.4	117.3	119.0	118.5	117.6	116.8	119.5	111.6	109.1	115.7	126.4
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	99.4	105.0	107.9	109.7	112.9	115.7	118.0	120.0	119.9	119.5	118.9	116.9	116.2	115.8	123.3	128.9
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	92.6	98.1	101.2	102.7	104.6	108.4	109.6	110.7	109.6	107.3	104.9	100.2	96.0	91.9	104.1	117.3
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	87.9	93.7	96.2	97.7	99.0	102.1	102.5	102.4	100.4	96.3	92.3	86.1	82.9	81.9	94.4	109.6
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	80.8	87.5	90.3	91.3	92.5	94.8	94.6	94.2	91.1	85.2	80.7	77.9	78.3	78.2	87.6	101.9
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	75.5	79.6	81.8	82.0	81.6	83.8	84.6	84.5	81.3	76.3	75.7	74.0	73.1	72.7	80.9	92.4
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 24 SEC															
	73.0	74.5	71.7	73.8	76.8	79.0	75.0	74.1	74.6	70.4	68.3	68.5	68.5	68.5	75.5	84.3
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	63.1	62.4	61.0	58.2	54.0	48.8	67.7	69.3	68.9	65.9	64.6	65.2	65.0	63.6	69.8	77.5
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 27 SEC															
	63.5	62.5	61.6	58.3	53.1	48.4	66.6	67.0	66.0	61.8	61.7	63.2	64.3	64.2	69.4	75.8
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	58.1	57.2	56.2	51.6	49.1	63.9	64.4	63.6	61.4	61.6	61.9	60.7	60.4	60.4	65.1	72.2

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER DB2 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 10 APR 80 ) )  
 ( ) ) )  
 ( ) ) )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) --- AL OASPL (DB)

U  
 MICROPHONE LOCATION 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500  
 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
 DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC  
 99.4 104.4 107.1 108.6 113.3 115.2 119.0 120.5 120.2 119.3 118.4 117.1 116.0 114.5 121.5 128.6  
 114.3 113.0 112.2 110.5 109.0 106.2

S DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC  
 99.7 104.5 107.0 108.4 113.1 114.9 118.5 119.9 119.4 118.3 117.3 114.9 112.8 109.6 116.4 127.1  
 106.5 103.8 99.9 92.4 89.3 87.6

T DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC  
 99.1 104.4 107.3 108.8 113.6 115.4 119.4 121.0 120.9 120.2 119.4 118.5 117.8 116.7 124.2 129.8  
 116.9 115.8 115.1 113.4 112.0 109.2 109.0 106.8 106.0 103.2 101.5 99.6 98.7

A DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC  
 92.2 97.6 100.2 101.7 104.6 108.2 110.6 110.7 109.3 106.9 104.2 100.0 95.4 90.6 103.5 117.3  
 88.3 87.1 86.4 85.1 83.2 81.9 80.1 79.5

B DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC  
 86.8 92.6 94.8 96.4 97.9 100.7 101.9 100.4 97.3 90.6 86.0 81.4 78.6 77.8 91.3 107.9  
 78.3 78.4 78.2 76.8 75.6 74.0

C DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC  
 79.2 85.3 87.7 88.5 90.1 91.3 89.2 88.4 84.7 78.4 74.5 73.9 74.0 74.0 82.8 97.9  
 73.9 74.2 73.2 73.5 71.8

D DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC  
 74.1 78.3 79.3 77.8 77.8 77.0 77.1 76.9 76.8 72.9 69.2 70.1 69.4 69.2 78.7 87.9  
 70.6 70.4 71.6 70.1 71.1

E DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC  
 69.1 69.1 69.4 73.2 71.8 70.4 66.3 64.1 64.7 64.9 64.0 70.7 79.8  
 63.9 63.3 62.1 59.8 57.3 54.4

F DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC  
 65.9 65.3 68.1 71.6 72.0 70.1 66.8 64.5 64.3 64.0 62.2 69.1 78.5  
 61.8 61.4 60.2 57.5 53.1 48.4

G DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 31 SEC  
 66.5 67.9 67.6 66.7 61.2 61.2 59.5 60.1 59.9 66.4 74.7  
 59.9 59.1 58.6 55.5 50.1

I DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC  
 66.3 66.5 64.3 61.5 59.7 59.1 58.1 59.2 64.1 72.3  
 57.3 56.5 55.7 51.8



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

( STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) AL OASPL  
( SOUND SOURCE: C-135A HT AGL 1.5 M ( NUMBER 081 ) ) ( DBA) ( DB)  
( LOCATION 01 ) ( DATE 10 APR 80 ) ) ARRAY 01 ) ) TEST AA-101-081  
( ) ( ) ( ) ( ) ( ) ) DATE 05 FEB 87  
( ) ( ) ( ) ( ) ( ) ) PAGE F1 )  
----- 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) -----  
MICROPHONE LOCATION 25 33.5 40 50 63 80 100 125 160 200 250 315 400 500  
630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC  
99.8 105.1 107.9 109.6 112.8 115.6 117.6 119.5 119.3 118.7 118.0 115.6 114.5 113.6  
113.2 112.0 111.2 109.1 108.0 105.6 OVERALL SAMPLE DURATION: 34 SEC  
S DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC  
100.1 105.2 107.8 109.5 112.6 115.4 117.3 119.0 118.5 117.6 116.8 113.5 111.6 109.1  
105.8 103.6 99.6 92.4 89.4 87.9 OVERALL SAMPLE DURATION: 34 SEC  
T DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC  
99.4 105.0 107.9 109.7 112.9 115.7 118.0 120.0 119.9 119.5 118.9 116.9 116.2 115.8  
115.8 114.7 114.0 112.1 111.0 108.5 108.5 106.5 105.7 103.8 102.1 99.8 97.9 OVERALL SAMPLE DURATION: 34 SEC  
A DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC  
92.6 98.1 101.2 102.7 104.6 108.4 109.6 110.7 109.6 107.3 104.9 100.2 96.0 91.9  
89.9 89.6 88.9 87.4 85.4 84.7 83.3 82.7 78.7 77.4 OVERALL SAMPLE DURATION: 34 SEC  
B DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC  
87.9 93.7 96.2 97.7 99.0 102.1 102.5 102.4 100.4 96.3 92.3 86.1 82.9 81.9  
81.4 81.9 81.3 80.1 79.1 77.5 77.0 75.8 OVERALL SAMPLE DURATION: 34 SEC  
C DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC  
80.6 87.5 90.3 91.3 92.5 94.8 94.6 94.2 91.1 85.2 80.7 77.9 78.3 78.2  
78.2 78.0 76.8 76.7 75.1 73.5 OVERALL SAMPLE DURATION: 34 SEC  
D DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC  
75.5 79.6 81.8 82.0 81.6 83.8 84.6 84.5 81.3 76.3 75.7 74.0 73.1 72.7  
72.7 72.4 72.7 70.9 68.9 65.8 OVERALL SAMPLE DURATION: 30 SEC  
E DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 24 SEC  
73.0 74.5 71.7 73.8 76.8 75.0 74.1 74.6 70.4 68.3 68.5 68.5 68.5 68.5  
69.0 68.5 67.8 65.0 62.3 58.3 51.4 OVERALL SAMPLE DURATION: 24 SEC  
F DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC  
64.3 64.6 65.8 66.6 67.7 69.3 68.9 65.9 64.6 65.2 65.0 63.6  
63.1 62.4 61.0 58.2 54.0 48.8 OVERALL SAMPLE DURATION: 34 SEC  
G DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 27 SEC  
64.3 69.0 66.6 67.0 66.0 61.8 61.7 63.2 64.3 64.2  
63.5 62.5 61.6 58.3 53.1 46.4 OVERALL SAMPLE DURATION: 27 SEC  
I DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC  
63.9 64.4 63.6 61.4 61.6 61.9 60.7 60.4 60.4  
58.1 57.2 56.2 51.6 49.1 OVERALL SAMPLE DURATION: 32 SEC



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY			IDENTIFICATION:												
STATION 1: WRIGHT-PATTERSON AFB			OMEGA 12.2												
SOUND SOURCE: C-135A			TEST AA-101-081												
LOCATION D1 HT AGL 1.5 M															
EVENT: NUMBER 081			MICROPHONE:												
DATE 10 APR 80			ARRAY 01												
LOCATION D1			DATE 05 FEB 87												
			PAGE F1												
<hr/>															
MICROPHONE LOCATION U															
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
DIST FROM SOURCE: 66 METERS															
630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
OVERALL SAMPLE DURATION: 34 SEC															
99.8	109.1	107.9	109.6	112.8	115.6	117.6	119.3	118.7	118.0	115.6	114.5	113.6	120.5	127.6	
113.2	112.0	111.2	109.1	108.0	105.6										
S DIST FROM SOURCE: 66 METERS															
OVERALL SAMPLE DURATION: 34 SEC															
100.1	105.2	107.8	109.5	112.6	115.4	117.3	119.0	118.5	117.6	116.8	113.5	111.6	109.1	115.7	126.4
105.8	103.6	99.6	92.4	89.4	87.9										
T DIST FROM SOURCE: 66 METERS															
OVERALL SAMPLE DURATION: 34 SEC															
99.4	105.0	107.9	109.7	112.9	115.7	118.0	120.0	119.9	119.5	118.9	116.9	116.2	115.8	123.3	128.9
115.8	114.7	114.0	112.1	111.0	108.5	108.5	106.5	105.7	103.8	102.1	99.8	97.9			
A DIST FROM SOURCE: 134 METERS															
OVERALL SAMPLE DURATION: 34 SEC															
92.6	98.1	101.2	102.7	104.6	108.4	109.6	110.7	109.6	107.3	104.9	100.2	96.0	91.9	104.1	117.3
89.9	89.6	88.9	87.4	85.4	84.7	83.3	82.7	78.7	77.4						
B DIST FROM SOURCE: 238 METERS															
OVERALL SAMPLE DURATION: 34 SEC															
87.9	93.7	96.2	97.7	99.0	102.1	102.5	102.4	100.4	96.3	92.3	86.1	82.9	81.9	94.4	109.6
81.4	81.9	81.3	80.1	79.1	77.5	77.0	75.8								
C DIST FROM SOURCE: 431 METERS															
OVERALL SAMPLE DURATION: 34 SEC															
80.8	87.5	90.3	91.3	92.5	94.8	94.6	94.2	91.1	85.2	80.7	77.9	78.3	78.2	87.6	101.9
78.2	78.0	76.8	76.7	75.1	73.5										
D DIST FROM SOURCE: 753 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
75.5	79.6	81.8	82.0	81.6	83.8	84.6	84.5	81.3	76.3	75.7	74.0	73.1	72.7	80.9	92.4
72.7	72.4	72.7	70.9	68.9	65.8										
E DIST FROM SOURCE: 1255 METERS															
OVERALL SAMPLE DURATION: 24 SEC															
73.0	74.5	71.7	73.8	75.8	75.0	74.1	74.6	70.4	68.3	68.5	68.5	68.5	68.5	75.5	84.3
69.0	68.5	67.8	65.0	62.3	58.3	51.4									
F DIST FROM SOURCE: 1757 METERS															
OVERALL SAMPLE DURATION: 34 SEC															
64.3	64.6	65.8	66.6	67.7	69.3	68.9	65.9	64.6	65.2	65.0	63.6	69.8	77.5		
63.1	62.4	61.0	58.2	54.0	48.8										
G DIST FROM SOURCE: 2087 METERS															
OVERALL SAMPLE DURATION: 27 SEC															
64.3	68.0	64.3	68.0	66.6	67.0	66.0	61.8	61.7	63.2	64.3	64.2	69.4	75.8		
63.5	62.5	61.6	58.3	53.1	46.4										
I DIST FROM SOURCE: 2377 METERS															
OVERALL SAMPLE DURATION: 32 SEC															
63.9	64.4	63.6	61.4	61.6	61.9	60.7	60.4	65.1	72.2						
58.1	57.2	56.2	51.6	49.1											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-082

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 082 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 10 APR 80 ) )  
 ( ) ) )  
 ( ) ) )

MICROPHONE LOCATION 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 (DBA) OASPL (DB)  
 630 800 1K 1250 1600 2K 2500 3150 4K SK 6300 8K 10K  
 DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC  
 99.4 104.4 107.1 108.6 113.3 115.2 119.0 120.5 120.2 119.3 118.4 117.1 116.0 114.5 121.5 128.6  
 114.3 113.0 112.2 110.5 109.0 106.2

S DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC  
 99.7 104.5 107.0 108.4 113.1 114.9 118.5 119.9 119.4 118.3 117.3 114.9 112.8 109.6 116.4 127.1  
 106.5 103.8 99.9 92.4 89.3 87.6

T DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC  
 99.1 104.4 107.3 109.8 113.6 115.4 119.4 121.0 120.9 120.2 119.4 118.5 117.8 116.7 124.2 129.8  
 116.9 115.8 115.1 113.4 112.0 109.2 109.0 106.8 106.0 103.2 101.5 99.6 98.7

A DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC  
 92.2 97.6 100.2 101.7 104.6 108.2 110.6 110.7 109.3 106.9 104.2 100.0 95.4 90.6 103.5 117.3  
 88.3 87.1 86.4 85.1 83.2 81.9 80.1 79.5

B DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC  
 86.8 92.6 94.8 96.4 97.9 100.7 101.9 100.4 97.3 90.6 86.0 81.4 78.6 77.8 91.3 107.9  
 78.3 78.4 78.2 76.8 75.6 74.0

C DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC  
 79.2 85.3 87.7 88.5 90.1 91.3 89.2 88.4 84.7 78.4 74.5 73.9 74.0 74.0 82.8 97.9  
 73.9 74.2 73.2 73.5 71.8

D DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC  
 74.1 78.3 79.3 77.8 77.8 77.0 77.1 76.9 76.6 72.9 69.2 70.1 69.4 69.2 78.7 87.9  
 70.6 70.4 71.6 70.1 71.1

E DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC  
 70.1 68.1 69.4 73.2 71.8 70.4 66.3 64.1 64.7 64.9 64.0 70.7 79.8  
 63.9 63.3 62.1 59.8 57.3 54.4

F DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC  
 61.8 61.4 60.2 57.5 53.1 48.4 71.6 72.0 70.1 66.8 64.5 64.3 64.0 62.2 69.1 78.5  
 65.9 65.3 68.1

G DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 31 SEC  
 59.9 59.1 58.6 55.5 50.1 66.5 67.9 67.6 66.7 61.2 61.2 59.5 60.1 59.9 66.4 74.7

I DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC  
 57.3 56.5 55.7 51.8 66.3 66.5 64.3 61.5 59.7 59.1 58.1 59.2 64.1 72.3

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY  
IDENTIFICATION: OMEGA 12.2  
TEST AA-101-083  
STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
SOUND SOURCE: C-135B ( MT AGL 1.5 M ( NUMBER 083 ) ARRAY 01 )  
LOCATION 01 ( DATE 10 APR 80 ( ) ) DATE 05 FEB 87 )  
( ) ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		
		100.9	106.2	108.7	109.5	111.8	113.7	115.2	116.3	115.3	114.4	112.5	108.0	106.3	112.4	123.7
		102.9	101.5	100.1	97.9	96.5	94.0									
S	DIST FROM SOURCE:	66 METERS	OVERALL SAMPLE DURATION: 33 SEC													
		101.2	106.2	108.6	109.4	111.5	113.5	114.9	115.8	114.6	113.5	111.4	106.9	103.5	100.1	109.7
		96.1	93.6	88.6	81.1	79.5	79.2									
T	DIST FROM SOURCE:	66 METERS	OVERALL SAMPLE DURATION: 34 SEC													
		100.6	106.1	108.8	109.7	112.0	113.8	115.6	116.8	115.9	115.1	113.4	110.1	108.0	114.0	124.3
		105.4	104.2	103.0	100.8	99.5	97.0									
A	DIST FROM SOURCE:	134 METERS	OVERALL SAMPLE DURATION: 32 SEC													
		93.8	99.3	102.0	102.5	103.8	106.0	107.1	107.3	105.4	103.1	99.2	91.5	84.4	98.6	114.4
		77.1	76.7	77.7	75.2	73.9	75.6									
B	DIST FROM SOURCE:	238 METERS	OVERALL SAMPLE DURATION: 34 SEC													
		88.4	94.0	95.8	96.4	97.1	98.5	99.0	97.8	94.7	89.7	83.8	75.5	70.6	87.7	106.2
		68.0	67.9	67.8	66.0	65.0	63.8									
C	DIST FROM SOURCE:	431 METERS	OVERALL SAMPLE DURATION: 34 SEC													
		82.0	88.5	90.8	90.8	91.4	91.6	90.9	89.0	84.7	76.9	73.5	68.9	67.5	79.2	99.3
		65.0	64.1	62.7	62.1	60.3	58.5									
D	DIST FROM SOURCE:	753 METERS	OVERALL SAMPLE DURATION: 29 SEC													
		80.4	85.6	88.1	87.5	87.8	89.0	88.3	85.8	82.9	76.4	72.0	68.7	66.9	77.0	96.4
		63.4	61.7	61.8	59.1	56.5	53.7									
E	DIST FROM SOURCE:	1255 METERS	OVERALL SAMPLE DURATION: 31 SEC													
		77.4	79.9	79.4	78.5	77.6	77.9	79.8	78.5	77.1	73.6	70.1	70.1	69.6	73.6	88.5
		64.9	62.8	61.4	58.1											
F	DIST FROM SOURCE:	1757 METERS	OVERALL SAMPLE DURATION: 34 SEC													
		79.9	74.6	74.3	75.3	77.0	78.5	77.4	76.1	72.4	69.8	69.3	69.3	67.3	72.6	85.7
		64.1	61.0	58.3	55.0	45.0										
G	DIST FROM SOURCE:	2087 METERS	OVERALL SAMPLE DURATION: 34 SEC													
		64.9	66.4	66.4	66.6	68.2	68.5	66.8	64.0	59.5	50.7	50.7	50.7	50.7	59.3	75.8
		55.0	50.5	48.0												
I	DIST FROM SOURCE:	2377 METERS	OVERALL SAMPLE DURATION: 34 SEC													
		65.4	70.5	71.4	69.8	66.6	62.9	61.3	63.3	62.4	60.8	65.6	65.6	65.6	65.6	77.8
		56.0	52.3													



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
OMEGA 12.2  
TEST AA-101-088  
STATION 1: WRIGHT-PATTERSON AFB  
SOUND SOURCE: C-135B HT AGL 1.5 M  
LOCATION 01 DATE 16 APR 80  
EVENT: NUMBER 088  
ARRAY 01  
MICROPHONE: AL  
OASPL (DBA) (DB)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U																
DIST FROM SOURCE:	66 METERS															
	101.1	106.1	108.5	109.3	112.5	115.0	118.1	119.1	119.8	118.4	116.8	114.0	110.2	106.2	115.6	126.8
	102.5	100.0	99.3	97.7	97.6	96.1		97.7								
S																
DIST FROM SOURCE:	66 METERS															
	101.6	106.5	108.8	109.8	112.9	115.5	118.6	119.7	120.5	119.3	117.7	114.8	111.0	106.2	115.9	127.4
	101.2	96.6	89.1	89.4	93.4	93.7		96.6								
T																
DIST FROM SOURCE:	66 METERS															
	100.7	105.6	108.2	108.8	112.1	114.4	117.5	118.3	118.9	117.4	115.8	112.9	109.2	106.1	115.4	126.0
	103.5	101.8	102.1	100.4	99.7	97.7		98.7	95.0	92.9	92.0	95.5				
A																
DIST FROM SOURCE:	134 METERS															
	94.2	99.4	102.5	103.9	105.6	109.9	111.5	112.1	111.4	107.3	100.7	90.1	87.5	88.8	104.3	118.5
	90.5	92.1	92.1	91.2	89.1	87.7		84.9								
B																
DIST FROM SOURCE:	238 METERS															
	89.0	94.2	97.0	99.1	100.7	104.3	105.6	105.1	102.7	95.5	84.2	78.0	79.0	81.2	96.1	111.7
	82.8	84.5	85.2	84.5	82.5	81.6										
C																
DIST FROM SOURCE:	431 METERS															
	83.4	89.7	92.8	94.5	96.6	99.0	100.2	98.4	94.1	83.6	76.4	72.1	72.8	74.1	88.8	105.9
	75.7	76.9	76.5	76.1	74.0	71.7										
D																
DIST FROM SOURCE:	753 METERS															
	77.8	82.0	85.0	86.4	88.2	90.0	91.0	88.4	85.2	74.7	66.3	61.6	60.5	60.6	78.1	97.0
	61.2	61.6	61.3	60.5	57.3											
E																
DIST FROM SOURCE:	1255 METERS															
	72.2	76.9	79.4	80.3	81.4	82.9	84.0	79.3	74.5	65.0	57.7	56.4	56.8	57.0	70.3	89.8
	57.4	57.5	56.5	53.5	51.4											
F																
DIST FROM SOURCE:	1757 METERS															
	69.4	72.7	75.5	75.7	76.1	76.4	76.0	71.5	66.2	60.7	55.8	53.7	52.4	52.1	63.3	83.9
	52.0	51.7	50.0	45.5	39.1	35.8										
G																
DIST FROM SOURCE:	2087 METERS															
	55.5	70.4	74.4	74.6	74.1	74.0	72.2	67.0	62.2	55.0	51.5	51.9	52.5	52.7	60.2	81.6
	52.9															
I																
DIST FROM SOURCE:	2377 METERS															
	65.0	70.3	72.3	72.0	72.1	70.7	64.6	62.1								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1:	HRIGHT-PATTERSON AFB	( EVENT:	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	MICROPHONE:	AL	IDENTIFICATION:
SOUND SOURCE:	C-135A	NUMBER OBS		(DBA)	(DB)	OMEGA 12.2
LOCATION 01	HT AGL 1.5 M	DATE 17 APR 80		ARRAY 01		TEST AA-101-089
						DATE 05 FEB 87
						PAGE F1
MICROPHONE						
LOCATION						
U						
DIST FROM SOURCE:	25 31.5	40 50 63	80 100 125 160 200 250 315 400 500			
	630 800	1K 1250 1600	2K 2500 3150 4K 5K 6300 8K 10K			
	98.5 103.9 106.8 108.6 112.9 114.5 117.5 119.2 119.4 117.7 117.4 117.6 116.8		OVERALL SAMPLE DURATION: 29 SEC			123.1 128.5
	116.6 114.9 113.7 111.9 110.8 108.6 108.8					
S	DIST FROM SOURCE:	66 METERS	OVERALL SAMPLE DURATION: 29 SEC			
	98.9 104.0 106.8 108.5 112.8 114.4 117.4 118.9 118.9 116.9 116.5 115.0 112.6					117.5 126.7
	105.9 105.8 101.0 95.9 93.5 91.1 91.5					
T	DIST FROM SOURCE:	66 METERS	OVERALL SAMPLE DURATION: 30 SEC			
	98.1 103.7 106.8 108.6 113.0 114.5 117.7 119.5 119.8 118.4 118.2 118.5 119.2 118.9					125.9 129.9
	119.1 117.7 116.6 114.8 113.8 111.6 111.8 109.9 109.1 107.7 106.4 104.2 103.5					
A	DIST FROM SOURCE:	134 METERS	OVERALL SAMPLE DURATION: 29 SEC			
	91.5 97.4 100.4 102.1 104.9 108.3 110.5 111.1 110.2 107.1 104.7 102.8 100.1 97.2					105.8 117.8
	95.8 94.0 91.8 89.8 87.9 87.4 85.7 84.7		79.6			
B	DIST FROM SOURCE:	230 METERS	OVERALL SAMPLE DURATION: 29 SEC			
	86.0 92.3 95.2 96.8 98.6 102.2 103.7 103.4 101.7 96.7 92.8 88.7 85.3 82.2					95.0 110.1
	81.6 81.2 80.1 78.8 77.8 76.0 73.5 72.0					
C	DIST FROM SOURCE:	431 METERS	OVERALL SAMPLE DURATION: 29 SEC			
	79.0 86.2 89.5 90.8 92.9 95.5 96.3 95.7 92.5 89.6 80.6 76.3 75.3 75.2					87.0 102.7
	76.2 76.4 74.8 74.3 72.3 69.7 65.9 61.5					
D	DIST FROM SOURCE:	753 METERS	OVERALL SAMPLE DURATION: 30 SEC			
	74.6 79.9 82.9 83.4 85.3 88.4 88.3 86.7 83.1 72.9 65.1 67.0 67.6 67.6					78.4 94.8
	67.8 68.0 67.5 64.6 61.9 57.9					
E	DIST FROM SOURCE:	1255 METERS	OVERALL SAMPLE DURATION: 27 SEC			
	66.4 73.0 76.2 76.3 78.3 80.1 80.6 77.3 70.5 63.9 59.7 61.4 62.7 62.4					70.1 86.7
	62.0 61.8 60.3 57.1 52.7 46.7					
F	DIST FROM SOURCE:	1757 METERS	OVERALL SAMPLE DURATION: 30 SEC			
	63.3 68.0 70.5 70.4 71.0 72.6 71.9 70.7 67.5 59.8 57.0 57.7 56.4 57.7					64.7 80.0
	57.4 57.1 55.3 50.9 44.7 37.0					
G	DIST FROM SOURCE:	2087 METERS	OVERALL SAMPLE DURATION: 27 SEC			
	59.7 64.7 68.0 66.9 66.7 68.0 65.4 63.4 61.7 54.5 53.4 54.8 56.5 56.0					61.1 75.5
	55.1 53.3 51.4 46.8					
I	DIST FROM SOURCE:	2377 METERS	OVERALL SAMPLE DURATION: 28 SEC			
	64.1 65.5 64.7 65.2 64.1 61.9 59.8					59.6 72.6
	54.2 52.4 50.9					



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-090

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 090  
 DATE 18 APR 80  
 ARRAY 01

MICROPHONE:  
 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

AL (DBa)  
 OASPL (DB)  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	DIST FROM SOURCE: 66 METERS	OVERALL SAMPLE DURATION: 33 SEC		
U	97.9	103.8	106.2	107.9	112.3	114.3	116.8	118.6	118.2	117.5	118.3	117.6	116.8	117.7	116.9	113.6	112.4	111.3	110.2	107.6										122.5	128.1
S	96.1	103.8	106.0	107.7	112.1	114.2	116.4	118.0	117.4	116.5	117.0	116.0	114.6	114.2	111.2	105.6	102.4	96.9	94.5	92.0										117.9	126.3
T	97.7	103.7	106.3	108.1	112.5	114.4	117.1	119.1	118.9	118.4	119.2	118.7	118.2	119.6	119.2	115.1	114.2	113.1	110.6	110.4	108.9	108.1	106.3	104.9	102.3	101.3				125.3	129.6
A	91.3	97.4	100.0	101.7	104.7	108.4	110.0	110.8	109.6	107.6	106.5	103.4	100.0	99.0	98.1	95.7	93.6	91.6	89.6	88.9	87.0	86.5								106.6	117.8
B	86.1	92.6	94.9	96.6	98.6	102.4	103.5	103.8	102.1	98.1	95.3	89.8	84.8	82.0	80.5	79.8	79.7	78.6	77.5	76.3	73.8									95.6	110.4
C	79.7	86.8	89.9	91.5	94.2	97.1	97.6	97.1	93.8	88.1	82.6	76.0	74.3	75.5	77.1	77.1	75.9	75.2	73.2	71.5	68.1	65.2								88.2	104.0
D	75.1	80.5	83.4	84.7	87.8	91.4	91.5	90.2	85.9	74.2	70.0	68.9	68.7	70.3	70.4	70.2	69.9	68.2	65.7	62.5										81.1	97.5
E	68.4	75.4	78.5	78.8	80.7	82.8	82.9	80.9	75.8	67.7	64.0	64.9	65.3	66.3	66.6	65.9	64.4	61.3	58.1	53.6										73.9	89.5
F	61.7	61.2	59.7	56.2	51.4	45.6																								68.3	82.0
I	62.9	66.9	68.7	68.6	69.1	67.4	64.2	62.5	59.1	58.6	58.9	59.1	60.4	60.4	58.4	57.0	55.4	50.5												64.3	76.2

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-092  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 092 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 22 APR 80 ) )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSPL (DB)	
U	1/3 OSPL (DB) FOR GIVEN FREQ BAND (HZ)																
DIST FROM SOURCE: 66 METERS	97.3	102.3	105.6	107.4	111.4	114.3	118.0	119.4	120.0	119.2	116.6	116.0	115.5	113.0	121.8	127.9	
	114.8	113.9	112.7	110.4	109.4	106.9	107.0	105.3									
S	66 METERS																
DIST FROM SOURCE: 66 METERS	96.9	101.8	105.0	106.8	110.9	113.9	117.5	118.6	119.0	116.9	115.1	113.6	112.0	108.7	115.5	125.9	
	106.7	103.8	99.8	92.4	91.3	90.2	89.5	89.0									
T	66 METERS																
DIST FROM SOURCE: 66 METERS	97.6	102.7	106.1	107.9	111.9	114.6	118.5	120.0	120.8	119.2	117.7	117.6	117.4	116.1	124.5	129.4	
	117.4	116.7	115.6	113.4	112.4	109.9	110.0	109.3	108.0	105.8	104.1	101.6	100.5				
A	134 METERS																
DIST FROM SOURCE: 134 METERS	90.5	95.4	98.6	100.0	102.0	106.2	108.3	108.0	107.2	103.7	99.9	95.7	90.7	86.2	100.6	114.8	
	85.7	85.2	84.2	82.8	81.6	81.4	80.0	79.4									
B	298 METERS																
DIST FROM SOURCE: 298 METERS	84.5	89.3	92.1	93.6	94.5	98.2	98.8	96.7	93.7	87.4	81.9	78.0	77.8	77.5	88.8	104.8	
	77.5	77.5	77.3	75.5	74.5	73.2	71.1	69.7									
C	431 METERS																
DIST FROM SOURCE: 431 METERS	76.0	80.1	82.6	82.7	83.6	85.4	82.3	79.9	76.9	73.3	70.6	70.6	71.8	71.6	79.1	91.9	
	71.7	71.2	70.1	69.1	67.9	65.3	61.9	58.5	52.4								
D	753 METERS																
DIST FROM SOURCE: 753 METERS	69.0	70.9	71.8	69.2	69.4	69.7	72.5	71.0	70.0	65.7	62.7	63.8	64.1	64.1	70.3	80.9	
	63.6	62.6	62.1	59.6	56.9	53.2											
E	1255 METERS																
DIST FROM SOURCE: 1255 METERS	60.3	58.6	56.2	52.8	49.0	43.9	67.2	66.3	64.7	61.3	58.3	60.2	61.0	61.4	65.8	73.2	
F	1757 METERS																
DIST FROM SOURCE: 1757 METERS	59.5	56.6	53.6	49.2	43.8	64.0	62.2	57.1	55.5	58.1	59.7	60.3	63.9	70.4			

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-102-093

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 093  
 DATE 22 APR 80

MICROPHONE:  
 ARRAY 02

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	96.6	101.0	104.8	107.1	112.7	114.9	119.9	121.5	122.6	118.6	116.9	111.4	107.9	108.8	119.8	128.4
	110.0	110.2	109.9	108.2	107.0	105.8	106.0	105.8	105.2	101.3	99.6	96.3	95.7			
OVERALL SAMPLE DURATION: 26 SEC																
S	DIST FROM SOURCE: 75 METERS															
	96.8	101.3	105.3	107.6	113.4	114.9	120.7	122.6	124.3	120.6	119.4	113.5	107.9	105.1	118.8	129.5
	102.0	100.8	102.6	100.7	103.0	104.3	105.0	106.2	105.1	99.8	95.9	94.9	93.7			
OVERALL SAMPLE DURATION: 26 SEC																
T	DIST FROM SOURCE: 75 METERS															
	96.4	100.7	104.4	106.5	111.9	114.8	118.9	120.1	119.9	114.9	110.9	107.4	108.0	110.8	120.7	127.0
	112.7	113.0	112.5	110.8	109.1	107.0	106.9	105.5	105.4	102.4	101.5	97.4	97.1			
OVERALL SAMPLE DURATION: 29 SEC																
D	DIST FROM SOURCE: 753 METERS															
	77.0	83.1	88.2	91.1	95.6	97.6	97.3	90.8	83.7	75.4	74.2	79.4	84.0	89.8	95.0	103.6
	90.6	89.0	87.6	82.5	79.9	78.1	73.0	68.3	61.8							
OVERALL SAMPLE DURATION: 26 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	80.8	85.6	87.2	90.7	90.4	84.5	78.4	73.3	74.4	74.6	78.0	82.0	87.3	91.4	97.6	
	88.2	84.8	84.2	76.9	73.5	70.5	62.7									
OVERALL SAMPLE DURATION: 18 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	72.3	78.7	83.5	84.2	84.8	81.4	79.5	77.0	74.0	69.0	70.8	73.6	74.6	76.5	81.4	91.5
	77.0	75.5	73.0	66.2	64.2	57.7										
OVERALL SAMPLE DURATION: 15 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	79.0	84.0	84.9	84.6	81.2	75.6	76.1	79.0	72.7	71.6	73.8	75.2	77.5	80.2	91.5	
	75.5	73.4	69.4													
OVERALL SAMPLE DURATION: 22 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	71.2	77.3	81.0	81.9	80.7	79.0	76.3	72.3	72.6	68.6	68.1	71.3	75.0	75.2	78.3	88.7
	73.6	70.9	67.2	62.8	60.0	54.0										
OVERALL SAMPLE DURATION: 22 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	70.0	76.2	80.1	80.2	78.7	78.1	77.6	74.1	72.7	67.6	68.1	71.3	76.6	77.2	79.7	88.1
	76.3	70.8	66.6	62.6	58.6	52.6										
OVERALL SAMPLE DURATION: 23 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-094  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 094 ) ARRAY 01 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 06 MAY 80 ) )  
 )  
 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 30 SEC															
	96.1	101.6	105.3	107.3	111.8	115.0	119.4	121.2	122.2	120.7	118.5	118.0	118.1	117.1	122.8	129.6
	115.5	113.3	112.0	109.6	109.1	106.7	106.8	105.9	103.0	101.3	98.9	97.9				
S	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE:	94.6	100.3	104.4	106.7	111.5	115.0	119.4	121.3	122.2	120.6	118.1	116.5	114.7	111.7	118.9	128.6
	107.5	104.3	102.6	101.5	102.4	102.0	101.9	101.3	99.2	98.0	96.6	96.4				
T	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE:	97.2	102.6	106.0	107.8	112.1	115.0	119.4	121.1	122.2	120.8	118.8	119.2	120.0	119.4	124.9	130.4
	118.1	116.1	114.8	112.3	111.6	108.9	109.1	108.0	107.2	105.0	103.2	100.4	98.9			
A	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE:	91.7	97.0	100.7	102.4	105.5	109.4	112.1	112.3	111.4	107.0	100.5	96.1	98.1	99.0	111.1	119.0
	99.0	100.5	101.1	100.7	100.2	100.8	99.9	99.5	94.5	90.5	87.7	85.9				
B	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE:	87.4	93.0	96.2	98.2	100.8	104.0	105.5	103.4	99.8	92.0	85.2	86.0	89.7	92.1	103.9	111.5
	93.3	95.0	95.8	94.8	95.0	94.0	91.1	89.3	81.7	76.3						
C	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE:	81.5	88.2	92.1	93.3	96.4	98.2	98.7	95.1	89.1	82.2	80.0	80.2	83.8	85.7	95.6	104.9
	87.5	87.7	87.4	87.0	86.3	84.5										
F	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE:	64.7	70.2	74.2	73.9	75.4	73.1	72.5	68.7	63.7	58.5	57.0	61.0	62.4	63.1	68.7	81.6
	62.6	62.2	61.2	57.5	52.6	46.3										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

MICROPHONE LOCATION	DIST FROM SOURCE:					1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)		ARRAY	MICHROPHONE:		IDENTIFICATION:						
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	(DBA)	AL OASPL (DB)	) OMEGA 12.2 ) TEST AA-101-096 ) ) ) DATE 05 FEB 87 ) PAGE F1
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	(DB)			
	) DIST FROM SOURCE: 66 METERS																
	) OVERALL SAMPLE DURATION: 25 SEC																
S	101.4	105.8	108.6	111.0	112.0	114.0	113.6	114.2	109.8	105.6	101.6	100.1	97.6	105.8	121.3		
	95.4	93.3	91.5	88.5	87.8												
	) DIST FROM SOURCE: 66 METERS																
	) OVERALL SAMPLE DURATION: 25 SEC																
T	100.2	104.8	108.0	110.6	111.9	114.1	113.8	114.6	110.3	105.9	103.5	100.4	97.1	92.8	104.7	121.3	
	87.3	84.9	83.2	82.3	83.7												
	) DIST FROM SOURCE: 66 METERS																
	) OVERALL SAMPLE DURATION: 24 SEC																
A	102.4	106.5	109.1	111.3	112.1	113.9	113.4	113.7	109.3	105.3	103.7	102.6	101.8	99.9	106.8	121.3	
	98.0	96.0	94.2	91.0	89.8												
	) DIST FROM SOURCE: 134 METERS																
	) OVERALL SAMPLE DURATION: 24 SEC																
B	97.1	101.3	102.6	105.0	105.4	106.3	104.6	105.6	101.0	93.2	84.8	82.4	84.4	84.8	95.4	113.6	
	84.4	84.5	83.1	80.5	78.2												
	) DIST FROM SOURCE: 238 METERS																
	) OVERALL SAMPLE DURATION: 25 SEC																
C	92.7	97.2	98.2	100.3	99.5	99.3	95.5	94.9	90.4	82.3	77.7	77.8	78.0	76.7	86.6	107.0	
	76.3	76.4	77.3	75.7	71.3	69.4											
	) DIST FROM SOURCE: 431 METERS																
	) OVERALL SAMPLE DURATION: 25 SEC																
D	86.8	91.8	93.1	94.7	94.5	93.6	88.4	83.8	79.1	73.6	70.5	70.6	71.4	77.4	101.2		
	82.5	86.1	87.6	89.0	88.7	87.2	80.9	73.8	70.0	64.0							
	) DIST FROM SOURCE: 753 METERS																
	) OVERALL SAMPLE DURATION: 20 SEC																
E	77.7	81.7	82.4	83.3	81.6	77.1	64.1							69.0	95.1		
	58.4	57.6															
	) DIST FROM SOURCE: 1255 METERS																
	) OVERALL SAMPLE DURATION: 20 SEC																
F	74.3	77.5	77.5		76.3	71.1	61.4	59.7	54.2	51.0				56.1	83.5		
	74.3	77.5	77.5		76.3	71.1	61.4	59.7	54.2	51.0							
	) DIST FROM SOURCE: 1757 METERS																
	) OVERALL SAMPLE DURATION: 16 SEC																
G	70.9	75.8	77.7	76.9	76.2	72.6	65.1	59.1	50.3	51.3	52.6	51.4	57.3	83.5			
	70.9	75.8	77.7	76.9	76.2	72.6	65.1	59.1	50.3	51.3	52.6	51.4					
	) DIST FROM SOURCE: 2087 METERS																
	) OVERALL SAMPLE DURATION: 15 SEC																
I	70.9	75.8	77.7	76.9	76.2	72.6	65.1	59.1	50.3	51.3	52.6	51.4	57.3	83.5			
	70.9	75.8	77.7	76.9	76.2	72.6	65.1	59.1	50.3	51.3	52.6	51.4					
	) DIST FROM SOURCE: 2377 METERS																
	) OVERALL SAMPLE DURATION: 20 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT:		MICROPHONE:		IDENTIFICATION:	
SOUND SOURCE: C-135A		NUMBER D97		ARRAY		OMEGA 12.2	
LOCATION 02	HT AGL 1.5 M	DATE 08 MAY 80	DATE 08 MAY 80	DATE 08 FEB 87	DATE 08 FEB 87	PAGE F1	PAGE F1
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)							
MICROPHONE LOCATION	25 31.5	40 63	80 100	125 160	200 250	315 400	500 (DB)
U	630 800	1K 1250	1600 2K	2500 3150	4K 5K	6300 8K 10K	
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 30 SEC					
	100.1 103.6 107.2 110.5 112.8 116.4 119.0 120.8 121.6 120.0 115.5 109.8 111.1 110.6	120.4 128.3					
	111.4 111.1 110.8 110.1 108.3 105.7 105.6 105.6 104.5 101.3 99.7 96.1 96.5						
S	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 30 SEC					
	99.7 103.5 107.3 110.7 113.1 116.3 119.8 121.9 123.4 122.2 117.8 109.2 105.0 101.1	117.8 129.1					
	98.8 97.9 98.7 99.1 102.0 102.7 104.0 105.7 103.8 99.0 95.2 93.6 93.3						
T	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 27 SEC					
	100.4 103.7 107.1 110.3 112.4 116.5 118.2 119.4 118.4 115.7 110.2 110.4 113.5 113.4	121.9 127.3					
	114.3 114.0 113.7 112.9 110.8 107.4 106.8 105.4 105.2 102.8 101.8 97.7 98.3						
C	DIST FROM SOURCE: 423 METERS	OVERALL SAMPLE DURATION: 26 SEC					
	84.3 89.2 94.0 96.5 98.7 101.5 99.0 92.2 84.7 69.9 73.6 80.0 83.5 90.4	102.1 107.6					
	95.7 97.7 97.2 91.8 87.3 84.1 81.2						
D	DIST FROM SOURCE: 753 METERS	OVERALL SAMPLE DURATION: 30 SEC					
	80.5 85.2 89.8 92.0 93.8 94.6 90.5 83.5 76.1 68.1 68.5 75.1 79.5 85.5	91.8 100.6					
	85.9 84.8 86.7 82.6 77.3 72.1 67.4 61.2						
E	DIST FROM SOURCE: 1255 METERS	OVERALL SAMPLE DURATION: 30 SEC					
	76.4 81.5 85.4 86.9 97.4 86.5 82.4 75.3 70.2 60.6 60.7 66.6 71.0 76.4	84.8 94.1					
	77.2 83.0 77.7 69.4 63.7 60.5						
F	DIST FROM SOURCE: 1757 METERS	OVERALL SAMPLE DURATION: 29 SEC					
	74.1 79.3 83.3 83.4 81.3 79.4 77.1 74.0 67.4 61.2 64.5 71.7 75.7 78.3	81.4 90.3					
	76.7 76.2 71.7 66.8 62.3 56.5						
G	DIST FROM SOURCE: 2079 METERS	OVERALL SAMPLE DURATION: 30 SEC					
	70.2 75.9 79.3 79.6 78.9 78.0 73.7 70.2 66.4 64.0 63.8 69.4 72.0 72.4	78.8 87.2					
	75.1 74.1 70.6 64.5 57.6 52.6						
H	DIST FROM SOURCE: 2273 METERS	OVERALL SAMPLE DURATION: 29 SEC					
	69.1 74.1 76.1 76.8 77.0 76.9 72.5 66.4 62.3 58.8 63.4 66.5 68.3	75.3 84.6					
	71.8 71.3 67.7 59.3 52.0 46.9						
I	DIST FROM SOURCE: 2377 METERS	OVERALL SAMPLE DURATION: 29 SEC					
	67.4 72.6 75.2 74.8 76.0 76.0 72.0 65.2 61.0 58.8 64.5 67.3 69.6	75.0 83.7					
	72.7 70.2 64.7 57.2 51.0 43.7						

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 09 MAY 80 ) ARRAY 01 )  
 LOCATION 01 WT AGL 1.5 M ( ) DATE 05 FEB 87 )  
 ( ) ( ) ( ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-101-098 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		122.3	128.1
DIST FROM SOURCE: 66 METERS																
	97.5	102.6	106.4	107.8	112.1	113.9	116.5	118.4	118.8	118.1	118.0	118.0	118.6	116.7		
	115.1	112.6	111.4	109.4	109.0	106.6	105.6	105.2		102.5	101.3					
OVERALL SAMPLE DURATION: 36 SEC																
S	DIST FROM SOURCE: 66 METERS															
	96.2	101.7	105.7	107.4	112.0	114.1	116.6	118.6	118.9	117.9	117.4	116.1	115.3	111.0	117.5	126.7
	106.0	103.1	101.1	98.9	99.8	98.3	98.0	97.2		95.9	95.8					
OVERALL SAMPLE DURATION: 36 SEC																
T	DIST FROM SOURCE: 66 METERS															
	98.4	103.4	107.0	108.1	112.3	113.8	116.4	118.3	118.8	118.2	118.4	119.3	120.5	119.1	124.6	129.3
	117.8	115.3	114.2	112.2	111.7	109.2	109.3	107.8	107.6	105.0	103.6	101.4	100.8			
OVERALL SAMPLE DURATION: 36 SEC																
B	DIST FROM SOURCE: 238 METERS															
	87.5	92.7	95.7	96.7	98.8	100.8	101.0	100.2	97.7	91.7	87.6	84.3	82.5	82.3	92.4	108.0
	80.9	80.9	80.7	79.0	78.0	76.5	74.4									
OVERALL SAMPLE DURATION: 35 SEC																
C	DIST FROM SOURCE: 431 METERS															
	81.1	87.1	90.4	90.6	92.6	93.1	91.8	88.9	84.8	79.4	76.0	75.7	76.6	76.5	84.7	99.9
	76.0	76.1	75.3	74.6	72.5	70.6										
OVERALL SAMPLE DURATION: 35 SEC																
D	DIST FROM SOURCE: 753 METERS															
	75.5	79.9	83.2	83.7	86.0	86.0	83.4	77.9	71.6	64.8	63.5	66.7	69.0	68.2	75.2	92.3
	67.6	66.8	66.4	63.9	61.1	57.4										
OVERALL SAMPLE DURATION: 26 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	68.1	71.8	74.8	73.9	75.1	73.8	71.7	66.8	64.2	60.3	59.9	62.9	64.2	63.5	68.6	82.2
	62.6	61.6	59.6	56.2	52.0	46.2										
OVERALL SAMPLE DURATION: 33 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	61.2	64.1	64.7	62.3	62.6	61.1	61.9	60.7	58.9	55.9	56.0	59.2	60.4	60.1	64.7	79.2
	59.3	58.2	56.2	51.5	45.7	38.3										
OVERALL SAMPLE DURATION: 34 SEC																
G	DIST FROM SOURCE: 2087 METERS															
	63.5	64.1														
	58.5	56.7	54.7	50.2	42.9											
OVERALL SAMPLE DURATION: 34 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	55.6	54.5	52.9	47.3	41.7											
OVERALL SAMPLE DURATION: 34 SEC																
OVERALL SAMPLE DURATION: 34 SEC																
OVERALL SAMPLE DURATION: 34 SEC																
OVERALL SAMPLE DURATION: 34 SEC																
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OVERALL SAMPLE DURATION: 34 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-101-099

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE 09 MAY 80 ) ARRAY 01  
 LOCATION 01 HT AGL 1.5 M ( NUMBER 099 ) DATE 05 FEB 87  
 ( ) ( ) ( ) PAGE F1

MICROPHONE LOCATION U 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) AL (DBA) OASPL (DB)

25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS															
96.5	101.5	105.2	106.5	110.9	113.1	115.9	117.4	117.6	116.7	116.0	114.6	113.4	112.7	119.8	126.2
113.0	111.5	110.9	108.9	107.9	105.5	OVERALL SAMPLE DURATION: 30 SEC									
S DIST FROM SOURCE: 66 METERS															
94.9	100.2	104.3	106.0	110.6	113.0	115.7	117.0	116.9	115.5	114.2	111.4	107.4	103.6	112.5	124.2
99.8	95.5	92.1	88.8	88.2	86.1	OVERALL SAMPLE DURATION: 30 SEC									
T DIST FROM SOURCE: 66 METERS															
97.6	102.5	106.0	107.0	111.2	113.2	116.1	117.7	118.3	117.7	117.3	116.5	115.8	115.5	122.9	127.7
115.9	114.5	113.9	111.9	110.9	108.5	108.1	106.6	106.3	103.3	101.7	98.6	98.7	OVERALL SAMPLE DURATION: 30 SEC		
A DIST FROM SOURCE: 134 METERS															
91.8	96.7	100.3	101.4	104.0	107.5	108.7	108.5	106.7	103.1	99.3	95.5	93.2	91.3	101.4	115.4
90.5	89.6	88.2	86.2	84.4	83.6	81.6	80.2	75.5	OVERALL SAMPLE DURATION: 29 SEC						
B DIST FROM SOURCE: 238 METERS															
87.0	92.1	95.3	96.3	97.9	100.9	100.9	99.8	96.1	89.7	84.8	82.2	81.7	81.1	91.9	107.5
80.5	80.9	81.1	79.4	78.3	76.9	74.0	71.6	OVERALL SAMPLE DURATION: 29 SEC							
C DIST FROM SOURCE: 431 METERS															
80.5	86.2	90.1	90.9	92.4	94.2	92.6	88.1	82.4	76.4	72.1	73.9	74.5	74.4	83.8	100.0
74.4	74.7	73.7	72.8	72.8	72.5	OVERALL SAMPLE DURATION: 30 SEC									
D DIST FROM SOURCE: 753 METERS															
74.2	78.8	82.2	82.6	83.7	84.4	82.1	76.3	70.1	65.6	63.7	66.9	68.0	67.3	74.6	90.8
67.8	66.9	66.0	63.2	60.3	58.3	OVERALL SAMPLE DURATION: 30 SEC									
E DIST FROM SOURCE: 1255 METERS															
60.0	58.8	56.5	52.7	73.2	70.8	67.4	63.2	62.9	60.0	58.8	60.7	61.4	60.9	65.7	76.4





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TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 100 ) ARRAY 02 ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 09 MAY 80 ) ) TEST AA-102-100 )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.3	100.0	103.1	104.8	111.3	119.1	119.7	119.5	114.3	112.2	105.3	105.5	106.7		118.4	125.9
	108.8	109.3	109.4	108.5	106.9	105.0	105.2	105.0	104.6	101.0	98.1	93.9	93.7			
S	DIST FROM SOURCE: 75 METERS															
	96.0	99.8	102.2	105.0	111.8	113.1	118.6	120.7	121.2	116.3	114.5	105.3	99.7	97.9	115.9	126.6
	97.6	96.8	99.2	99.3	101.8	103.0	103.6	105.3	104.9	100.8	95.7	92.5	92.3			
T	DIST FROM SOURCE: 75 METERS															
	96.5	100.1	103.0	104.5	110.8	113.2	117.3	118.4	116.8	110.2	106.9	105.2	107.8	109.4	120.0	125.2
	111.7	112.2	112.2	111.3	109.1	106.3	106.3	104.6	104.3	101.2	99.7	94.9	94.8			
B	DIST FROM SOURCE: 238 METERS															
	83.9	90.0	93.2	95.4	101.0	103.4	105.7	104.6	98.2	80.5	78.4	82.0	86.5	90.9	106.5	112.2
	95.7	99.1	101.1	100.3	94.4	91.8	91.4	86.5	76.9	73.6						
C	DIST FROM SOURCE: 423 METERS															
	80.3	86.5	89.5	91.6	96.1	97.3	95.7	85.6	80.2	67.5	72.5	78.8	84.2	89.0	100.7	104.8
	93.5	96.1	96.4	89.9	85.0	83.2	78.1	73.6	68.8							
D	DIST FROM SOURCE: 753 METERS															
	76.1	82.1	84.6	86.1	90.4	89.3	85.4	78.9	76.2	69.1	70.3	73.5	77.2	81.6	89.8	96.6
	85.2	84.7	82.9	79.7	76.7	72.2	65.5	63.7								
E	DIST FROM SOURCE: 1255 METERS															
	72.0	78.8	80.6	81.4	84.3	81.5	77.1	71.7	68.2	66.8	67.9	70.7	73.6	76.6	82.9	90.5
	77.8	78.0	76.0	72.5	67.8	60.6	49.6									
G	DIST FROM SOURCE: 2079 METERS															
	67.3	75.0	77.5	77.6	79.6	74.2	69.7									
	73.4	72.2	68.8	63.8	55.5											
H	DIST FROM SOURCE: 2273 METERS															
	67.2	74.0	76.1	76.9	79.3	75.1	69.5									
	71.5	71.0	68.0	61.2	67.3											
I	DIST FROM SOURCE: 2377 METERS															
	65.2	72.5	75.1	75.2	78.4	75.5	70.3	66.8	63.7	65.2	65.9	70.1	72.4			
	72.3	71.9	67.6	60.1	50.9	42.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

( STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 101 ) IDENTIFICATION: )  
 ( SOUND SOURCE: C-135A ( DATE 09 SEP 80 ) OMEGA 12.2 )  
 ( LOCATION 01 HT AGL 1.5 M ( ) ) TEST AA-103-101 )  
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MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	150	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 66 METERS															
	98.8	103.5	106.9	109.7	113.3	116.8	118.9	120.9	122.1	121.8	121.8	120.9	120.9	120.7	126.2	131.4
	119.5	117.9	115.1	113.6	112.3	110.3	110.4	110.5	109.6	107.6	107.6	107.6	104.5	104.3		
S	DIST FROM SOURCE: 66 METERS															
	98.5	103.4	106.9	109.8	113.4	116.4	119.2	121.8	123.4	123.0	122.4	119.3	118.7	116.8	122.9	130.8
	111.6	106.4	105.2	105.2	106.4	107.1	107.9	109.1	108.7	106.0	106.8	104.9	104.2			
T	DIST FROM SOURCE: 66 METERS															
	99.1	103.6	107.0	109.6	113.2	117.1	118.7	119.8	120.2	120.2	120.9	120.6	122.4	122.8	128.1	131.9
	122.2	120.1	117.9	116.3	114.7	112.1	112.0	111.6	110.3	108.8	108.3	104.1	104.3			
A	DIST FROM SOURCE: 134 METERS															
	90.1	94.9	98.8	101.3	104.4	108.4	110.1	110.3	109.1	103.2	96.0	95.3	98.8	101.3	113.3	118.0
	102.9	102.8	103.9	104.5	104.1	104.2	99.7	98.2	98.6	97.1	93.9	92.9	90.8			
B	DIST FROM SOURCE: 238 METERS															
	87.4	91.0	95.7	97.0	99.9	103.9	103.6	102.1	96.9	86.3	82.1	85.6	88.5	90.5	104.6	110.6
	92.2	92.9	94.5	95.7	95.9	96.0	92.8	90.7	89.6	88.7	86.0	83.5	81.3			
C	DIST FROM SOURCE: 431 METERS															
	81.6	86.3	91.7	93.5	96.1	98.9	95.6	87.4	80.4	74.1	72.8	75.6	78.3	80.6	97.4	104.0
	83.2	84.7	86.8	89.1	90.7	89.8	83.6	82.5	81.4	77.1	72.6	70.6				
D	DIST FROM SOURCE: 753 METERS															
	77.9	80.7	86.6	88.7	91.1	93.6	88.9	80.9	71.7	62.0	66.8	72.9	76.1	79.5	95.3	99.6
	82.5	85.9	88.5	89.5	88.4	81.0	75.2	72.4	74.5	70.0						
E	DIST FROM SOURCE: 1255 METERS															
	73.3	76.5	82.8	84.2	85.8	85.3	79.3	68.9	61.7	58.4	59.7	65.4	69.1	72.8	84.7	92.1
	76.8	77.3	74.7	77.1	76.9	74.2	70.2	66.2	63.8							
F	DIST FROM SOURCE: 1757 METERS															
	70.7	74.3	78.7	78.9	79.4	79.9	75.7	68.8	59.5	57.7	58.4	65.6	71.4	76.4	82.7	88.4
	79.3	77.8	72.6	73.7	66.5	62.1	59.9	57.0								
G	DIST FROM SOURCE: 2087 METERS															
	67.6	70.9	75.2	74.8	75.3	74.2	68.6	62.0	57.9	57.1	64.7	68.6	71.6	78.4	83.8	89.8
	72.8	67.9	73.6	69.9	65.1	63.1										
I	DIST FROM SOURCE: 2377 METERS															
	66.9	71.2	75.5	75.2	75.2	76.2	68.7	62.4	57.1	55.5	66.6	69.6	72.8	79.2	84.5	90.5
	70.6	74.4	74.1	69.3	62.4	57.1	55.5	47.6								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 102 ) ARRAY O4 ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 09 SEP 80 ) ) TEST AA-104-102 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.3	101.6	104.5	107.4	113.4	115.4	118.7	121.4	121.2	117.5	114.5	111.1	111.4	112.8	121.1	128.0
	111.3	111.1	111.3	110.1	108.9	107.3	108.4	108.3	106.9	104.4	105.1	101.3	101.4			
S	DIST FROM SOURCE: 75 METERS															
	96.0	101.2	104.8	107.4	113.6	115.2	119.2	122.4	122.8	119.5	117.0	110.7	104.7	102.7	118.8	128.5
	99.3	98.5	101.5	103.4	106.0	105.0	105.6	108.2	107.0	103.0	105.0	102.0	101.4			
T	DIST FROM SOURCE: 75 METERS															
	96.9	102.0	104.1	107.3	113.3	115.6	118.1	120.1	118.5	113.4	108.1	111.4	114.0	115.6	122.6	127.4
	114.2	114.0	114.0	112.7	110.6	108.2	109.7	108.5	106.8	105.4	105.1	100.5	101.4			
A	DIST FROM SOURCE: 134 METERS															
	90.9	96.3	99.6	101.9	107.4	110.2	113.2	114.0	110.2	99.2	89.9	96.6	99.4	101.6	112.9	119.8
	101.9	103.5	105.3	105.4	104.1	99.4	96.6	98.2	94.8	93.0	91.6	88.2				
B	DIST FROM SOURCE: 238 METERS															
	84.7	90.9	94.4	96.9	102.2	104.1	105.5	102.9	94.3	90.1	84.9	92.8	97.3	100.3	111.6	114.1
	101.6	103.9	105.6	104.0	97.9	99.7	99.7	95.8	90.5	86.3	83.7	80.0				
C	DIST FROM SOURCE: 423 METERS															
	79.3	85.8	89.3	91.4	95.8	95.9	93.2	87.2	79.8	75.8	84.2	91.1	96.1	103.2	103.2	105.9
	97.6	98.4	95.5	91.3	89.0	90.5	86.6	83.9	83.5							
D	DIST FROM SOURCE: 733 METERS															
	75.8	82.8	86.6	88.5	92.7	91.6	85.9	76.5	69.5	61.5	66.1	69.9	76.4	81.3	89.4	97.9
	82.1	82.1	83.3	76.4	69.9	74.4	72.9	66.7								
E	DIST FROM SOURCE: 1255 METERS															
	77.1	83.9	87.6	88.6	91.2	89.7	85.4	80.9	77.3	73.9	76.8	79.1	76.9	78.4	85.1	96.9
	79.0	78.6	76.4	74.1	72.7	69.9	66.8	63.5								
F	DIST FROM SOURCE: 1737 METERS															
	77.8	82.1	83.3	77.4	77.9	82.4	80.3	76.7	79.0	76.8	77.0	83.0	84.5	85.2	89.5	94.1
	83.7	82.2	82.0	74.6	75.2	71.6	66.9	63.7								
G	DIST FROM SOURCE: 2079 METERS															
	67.2	73.6	82.0	80.7	81.4	86.0	89.0	89.3	85.1	78.8	86.7	91.8	92.4	90.5	93.1	99.2
	82.2	82.1	81.3	76.2	73.5	70.8	67.2	61.9								
H	DIST FROM SOURCE: 2273 METERS															
	67.4	77.9	79.2	75.0	80.3	81.3	80.7	74.3	69.6	69.1	76.2	76.9	75.3	75.0	79.8	89.1
	74.3	71.4	69.8	66.6	64.5	61.3	54.8									
I	DIST FROM SOURCE: 2377 METERS															
	68.2	74.7	69.9	73.9	73.8	73.6	74.8	68.6	70.7	65.4	71.6	73.6	75.9	75.6	78.3	85.4
	71.3	70.1	68.5	62.9	60.6	57.0										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-103  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1  
 )

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 103 ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE 09 SEP 80 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( ( ( ( (

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)						AL (DBA)	OBSPL (DB)								
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	127.6	133.8
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
Y	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 28 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															
	OVERALL SAMPLE DURATION: 30 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-104 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 104 ) ARRAY 04 )  
 LOCATION DZ MT AGL 1.5 M ( DATE 09 SEP 80 ) )  
 ) )  
 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	AL OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 34 SEC															
	98.0	103.3	106.8	110.2	114.3	118.3	120.5	122.9	123.7	121.8	115.9	111.1	113.4	113.7	122.2	130.0
	113.1	111.6	111.9	111.6	110.3	107.3	107.3	108.1	106.9	104.5	104.9	101.2	101.1			
S	DIST FROM SOURCE: 75 METERS															
	97.7	102.9	107.1	110.2	114.5	117.9	120.9	123.9	123.9	118.3	110.4	107.1	103.4		119.8	130.7
	100.1	97.9	100.9	102.4	104.1	104.8	106.3	107.6	106.8	103.1	104.7	101.8	100.4			
T	DIST FROM SOURCE: 75 METERS															
	98.3	103.7	106.5	110.1	114.2	118.6	120.1	121.7	120.9	117.7	109.9	111.7	115.8	116.5	123.7	129.2
	116.0	114.6	114.7	114.6	112.7	108.8	108.0	108.5	107.0	105.6	105.1	100.6	101.7			
A	DIST FROM SOURCE: 134 METERS															
	92.6	97.5	101.9	104.5	107.9	113.5	114.6	115.6	115.7	103.7	90.5	96.0	100.0	101.6	114.0	121.6
	102.2	103.2	105.2	105.8	105.3	103.1	100.1	98.3	97.7	96.9	94.5	93.0	89.8			
B	DIST FROM SOURCE: 238 METERS															
	85.8	91.7	96.5	98.8	102.3	106.9	106.5	104.5	97.3	81.3	79.0	87.3	92.9	96.2	108.7	113.7
	98.6	101.2	103.4	101.0	96.0	97.7	91.4	90.8	88.1	87.4	83.4	79.7	75.1			
C	DIST FROM SOURCE: 423 METERS															
	80.3	86.0	91.1	93.4	96.7	99.3	96.7	89.8	83.4						100.5	105.4
	90.9	93.3	94.3	90.2	93.5	87.0	84.6	81.4	82.5							
D	DIST FROM SOURCE: 753 METERS															
	77.5	83.1	88.2	90.3	93.9	94.9	90.3	83.6	77.0	67.7	67.5	75.2	80.1	82.2	93.9	100.5
	84.5	85.8	85.0	89.4	83.5	77.7	76.2	73.8	69.7							
E	DIST FROM SOURCE: 1255 METERS															
	77.5	82.1	86.3	87.2	88.7	89.0	84.9	73.7	76.3	69.0	65.9	72.8	76.0	78.6	84.8	95.4
	78.9	76.5	76.7	78.2	70.3	65.8	65.3	63.9								
F	DIST FROM SOURCE: 1757 METERS															
	80.0	84.8	89.4	88.9	87.3	85.9	89.2	93.2	91.3	84.6	86.4	90.2	90.1	87.1	92.9	100.6
	85.1	84.5	81.3	80.0	79.8	77.3	74.7	70.4								
G	DIST FROM SOURCE: 2079 METERS															
	77.1	79.1	77.9	81.8	87.7	90.4	82.5	83.9	87.1	77.9	85.4	89.2	90.4	86.5	92.1	100.1
	82.9	83.8	81.9	78.2	77.8	73.7	71.0	66.0	61.6							
H	DIST FROM SOURCE: 2273 METERS															
	65.8	73.8	82.9	81.9	80.5	81.0	81.2	80.3	80.6	73.9	79.5	80.9	83.8	80.5	85.9	92.5
	79.3	78.0	76.2	73.0	69.7	67.9	66.0	63.6								
I	DIST FROM SOURCE: 2377 METERS															
	63.1	73.9	79.7	78.7	81.0	80.8	77.5	81.5	76.3	71.0	76.1	78.6	79.5	78.8	82.8	90.4
	76.5	75.8	72.9	68.5	65.2	63.7	60.3									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 105 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 SEP 80 ) )  
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MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	PL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 56 METERS																
	98.9	104.5	109.5	111.3	115.3	119.6	122.6	125.4	127.1	129.9	122.7	122.1	124.0	121.7	129.1	134.3
	120.1	118.7	116.0	119.0	113.7	112.6	119.0	113.6	112.9	110.6	111.0	109.5	108.4			
S	DIST FROM SOURCE: 66 METERS															
	98.7	104.5	109.6	111.6	115.6	119.5	123.1	126.4	129.5	127.3	123.7	121.6	122.6	118.9	126.4	134.5
	113.0	109.5	108.7	109.2	110.8	111.6	111.9	113.3	113.2	110.4	111.1	109.6	109.3			
T	DIST FROM SOURCE: 66 METERS															
	99.2	104.6	108.5	111.0	115.1	119.8	122.1	124.0	124.8	123.8	121.5	122.5	125.1	123.4	129.3	134.1
	122.7	121.4	118.6	116.0	115.4	119.5	119.9	119.9	112.7	110.9	110.8	107.0	107.2			
A	DIST FROM SOURCE: 134 METERS															
	89.8	95.2	99.7	102.1	105.7	110.5	112.6	113.8	112.8	106.1	94.9	96.3	101.2	103.4	116.1	120.9
	105.8	107.4	108.6	108.9	106.3	102.1	101.0	101.3	98.2	99.1	95.3	93.9	91.4			
B	DIST FROM SOURCE: 238 METERS															
	87.1	91.3	96.7	98.3	101.5	106.1	105.9	105.0	100.7	88.4	81.5	86.9	91.6	94.5	110.1	113.9
	97.6	100.6	102.9	104.1	101.7	96.2	95.2	94.7	91.6	91.0	87.4	84.6	81.7			
C	DIST FROM SOURCE: 431 METERS															
	81.0	86.2	92.4	94.4	97.6	101.0	98.4	91.0	84.1	76.2	70.2	75.1	80.0	83.5	99.9	106.1
	87.5	91.0	93.2	93.5	89.5	89.6	83.4	83.3	83.3	79.5	75.3	72.8				
D	DIST FROM SOURCE: 753 METERS															
	76.7	81.3	87.7	90.0	92.6	95.8	92.0	85.3	78.1	83.3	71.1	76.6	81.4			
	86.6	90.1	91.4	87.1	83.8	79.7	77.1	73.6	71.5							
E	DIST FROM SOURCE: 1255 METERS															
	73.5	78.2	84.6	86.3	87.6	87.7	82.1	73.5	69.2	67.5	66.9	74.5	79.8	84.0	90.5	95.6
	86.5	83.9	84.3	78.6	77.4	70.3	69.3	67.5	61.6							
F	DIST FROM SOURCE: 1757 METERS															
	69.4	74.8	79.6	80.6	81.7	80.4	77.4	76.3	69.5	66.3	65.7	73.2	75.4	75.0	85.6	90.4
	82.4	79.8	78.2	75.6	72.8	66.0	60.0	57.1								
G	DIST FROM SOURCE: 2087 METERS															
	65.1	69.7	75.6	75.8	77.1	76.5	71.5	64.8	57.4	56.1	59.5	63.6	68.0	76.3	84.3	87.4
	79.0	81.6	76.7	72.1	67.5	62.6										
I	DIST FROM SOURCE: 2377 METERS															
	64.2	70.5	75.2	75.3	76.6	79.2	73.9	69.4	59.3	50.9	52.9	59.9	65.3	73.1	81.9	86.4
	78.1	78.0	73.3	72.1	66.8	59.9	49.5									



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2 )  
 ) TEST AA-104-106 )  
 STATION 1: WRIGHT-PATTERSON AFB )  
 SOUND SOURCE: C-135A )  
 LOCATION 02 HT AGL 1.5 M ( EVENT: ) MICROPHONE: )  
 ) NUMBER 106 ) ARRAY 04 )  
 ) DATE 09 SEP 80 ) )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	97.6	102.9	105.4	108.9	113.7	117.0	120.2	122.2	122.8	119.8	115.1	111.1	112.6	113.0	121.8	129.2
	112.3	111.2	111.9	112.0	110.8	107.7	106.6	107.4	106.5	103.9	104.4	101.2	101.0			
	OVERALL SAMPLE DURATION: 38 SEC															
S	DIST FROM SOURCE: 75 METERS															
	97.1	102.5	105.6	108.8	113.9	116.5	120.5	123.1	124.4	121.8	117.5	110.6	106.5	102.6	118.5	129.6
	99.2	96.7	99.7	100.7	102.2	103.0	104.3	105.9	105.5	101.4	103.3	101.5	99.8			
	OVERALL SAMPLE DURATION: 38 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.0	103.3	105.1	109.0	113.6	117.4	119.8	121.0	120.3	116.2	109.3	111.5	115.0	115.8	123.6	128.7
	115.2	114.1	114.8	114.8	113.5	109.9	108.1	108.5	107.3	105.5	105.2	100.8	101.9			
	OVERALL SAMPLE DURATION: 39 SEC															
A	DIST FROM SOURCE: 134 METERS															
	92.3	97.3	100.7	103.4	107.2	112.3	114.7	115.0	112.3	102.8	90.7	94.1	98.5	100.7	113.8	121.0
	100.8	101.6	103.7	104.8	105.1	104.0	102.7	100.2	97.9	98.0	94.8	93.8	90.5			
	OVERALL SAMPLE DURATION: 39 SEC															
B	DIST FROM SOURCE: 238 METERS															
	85.3	91.3	95.2	97.8	101.4	105.7	106.6	104.8	98.7	84.6	80.3	85.8	89.5	92.0	107.0	112.8
	92.6	94.0	96.9	98.7	99.9	99.0	95.9	90.8	89.0	84.6	82.4	79.1				
	OVERALL SAMPLE DURATION: 39 SEC															
C	DIST FROM SOURCE: 423 METERS															
	80.1	85.8	89.8	92.2	95.4	97.9	96.0	87.6	81.3	69.9	76.8	81.7	85.1	103.9		
	86.1	88.4	92.2	93.1	89.0	84.8	85.8	84.2								
	OVERALL SAMPLE DURATION: 37 SEC															
D	DIST FROM SOURCE: 753 METERS															
	77.5	84.1	88.0	90.0	93.0	93.9	89.7	81.2	75.8	65.2	67.6	74.7	80.7	84.7	97.1	101.0
	87.3	89.8	90.1	90.8	88.7	81.0	79.2	76.9	75.9	71.4	64.8					
	OVERALL SAMPLE DURATION: 38 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	76.1	80.9	84.0	86.5	89.3	90.4	86.0	84.7	82.5	72.5	69.1	72.1	75.7	75.6	83.6	96.0
	75.4	75.0	73.8	76.9	71.2	66.0	68.6	65.2								
	OVERALL SAMPLE DURATION: 39 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	79.3	84.7	88.5	89.1	89.3	89.9	88.3	90.8	90.0	84.6	86.7	89.3	90.0	91.4	95.5	101.2
	91.2	86.7	84.9	83.9	81.2	79.5	76.1	72.4								
	OVERALL SAMPLE DURATION: 38 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	75.5	76.1	72.2	81.0	84.9	86.1	86.6	86.1	84.2	81.5	86.4	89.2	90.7	90.0	98.1	97.9
	81.9	81.0	81.0	81.0	78.7	74.6	71.5	68.8	63.7							
	OVERALL SAMPLE DURATION: 39 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	64.2	77.7	83.8	81.2	81.3	83.4	85.6	80.2	75.9	71.1	76.8	78.9	81.6	80.9	85.0	92.8
	79.2	77.9	75.9	71.3	67.8	65.2	60.2	59.8								
	OVERALL SAMPLE DURATION: 39 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	67.0	78.0	79.4	78.9	81.5	76.7	77.4	74.3	72.7	69.4	74.2	76.9	80.0	79.8	84.0	90.0
	80.6	76.2	74.5	70.4	65.5	63.5	58.2									
	OVERALL SAMPLE DURATION: 39 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONLBA 12.2  
TEST AA-103-107  
STATION 1: WRIGHT-PATTERSON AFB  
SOUND SOURCE: C-135A  
LOCATION 01 HT AGL 1.5 M  
EVENT: NUMBER 107 DATE 09 SEP 80  
MICROPHONE: ARRAY 03  
DATE 05 FEB 87  
PAGE F1

MICROPHONE LOCATION	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)												AL (DBA)	OASPL (DB)		
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.9	104.9	108.8	112.0	115.7	119.8	122.9	126.6	127.3	126.3	123.4	121.9	124.1	123.9	128.2	134.6
	120.3	119.0	116.6	114.2	113.6	112.5	112.7	113.3	112.9	110.8	109.9	107.7	108.4			
S	DIST FROM SOURCE: 66 METERS															
	98.7	104.9	108.9	112.3	115.9	119.7	123.4	126.6	128.8	127.7	124.4	121.5	122.6	119.0	126.3	134.8
	113.1	109.4	108.4	106.8	110.3	110.9	111.2	112.7	113.0	110.3	110.0	108.6	109.2			
T	DIST FROM SOURCE: 66 METERS															
	99.0	104.8	109.7	111.6	115.4	119.9	122.3	124.2	125.1	124.2	122.1	122.3	125.2	123.7	129.6	134.3
	122.8	121.8	119.2	116.5	115.4	113.6	113.8	113.8	112.8	111.3	109.9	106.6	107.5			
A	DIST FROM SOURCE: 134 METERS															
	89.3	95.5	100.0	102.4	106.1	110.4	112.7	113.9	113.0	106.9	96.7	97.0	102.0	104.0	117.0	121.3
	106.2	107.4	108.6	108.9	108.2	107.4	101.6	100.6	100.6	99.2	96.7	95.4	93.3			
B	DIST FROM SOURCE: 238 METERS															
	86.4	91.6	96.7	98.5	101.7	105.6	109.3	101.3	89.6	82.1	87.0	91.9	94.8	110.5	114.0	114.0
	97.6	100.0	102.1	103.4	103.0	101.6	95.2	92.6	91.3	91.2	87.2	85.3	82.5			
C	DIST FROM SOURCE: 431 METERS															
	80.5	86.6	92.3	94.6	97.7	100.5	98.3	91.3	84.4	77.7	70.6	74.8	79.5	82.8	100.6	106.1
	85.6	88.2	91.2	94.2	94.4	90.7	85.9	80.2	82.8	80.2	75.4	73.4				
D	DIST FROM SOURCE: 753 METERS															
	76.4	81.1	87.2	89.8	92.5	95.3	92.0	85.0	76.0	65.0	62.4	69.2	75.4	79.9	98.0	101.7
	84.7	88.9	91.9	92.6	89.2	89.9	80.6	77.8	77.6	75.2						
E	DIST FROM SOURCE: 1255 METERS															
	77.6	83.8	85.5	87.1	87.3	82.8	75.2	69.1	65.5	62.4	69.2	75.1	80.1	90.7	95.1	95.1
	84.4	84.4	83.3	85.2	76.5	73.9	66.0	67.6	60.9							
G	DIST FROM SOURCE: 2087 METERS															
	64.9	69.4	74.6	75.8	76.8	77.2	74.2	63.2	57.6	55.7	58.1	66.5	70.6	67.5	83.0	86.4
	77.0	77.4	77.3	74.7	71.1	68.6	59.9									
I	DIST FROM SOURCE: 2377 METERS															
	62.7	69.9	74.9	75.6	76.9	79.4	78.4	69.1	58.8	58.2	58.4	65.9	66.5	72.5	83.4	87.1
	76.1	77.7	79.7	73.3	68.5	63.7	55.0									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 108 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 09 SEP 80 ) ) TEST AA-104-108 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	97.9	103.7	107.4	110.7	114.3	118.6	120.8	123.0	123.7	122.0	116.7	111.5	113.1	113.6	122.0	130.1
	112.9	111.6	111.5	111.9	110.4	107.1	106.3	107.3	106.5	103.9	104.1	101.0	100.8			
	OVERALL SAMPLE DURATION: 31 SEC															
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	97.7	103.5	107.8	110.8	114.6	118.2	121.3	123.9	125.3	124.0	119.1	111.2	107.4	103.6	119.4	130.8
	100.6	97.6	99.3	100.4	102.4	102.9	104.1	105.7	105.7	101.5	102.7	101.4	100.2			
	OVERALL SAMPLE DURATION: 31 SEC															
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	98.2	104.0	107.1	110.7	114.0	119.0	120.3	121.7	121.0	118.2	110.9	111.8	115.4	116.4	123.7	129.3
	115.8	114.5	114.4	114.8	113.1	109.1	107.8	108.4	107.1	105.4	105.1	100.7	101.4			
	OVERALL SAMPLE DURATION: 31 SEC															
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	92.8	98.0	102.6	105.0	107.8	113.7	115.0	115.5	112.9	104.6	92.4	94.6	99.0	101.3	114.0	121.6
	101.7	102.3	103.6	104.6	105.0	104.4	102.9	100.3	97.8	97.0	94.2	93.2	89.7			
	OVERALL SAMPLE DURATION: 33 SEC															
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	85.6	92.0	97.1	99.5	102.4	107.2	107.0	105.4	99.2	86.3	80.3	86.6	90.8	92.6	109.3	114.0
	95.1	97.6	100.5	101.9	102.1	100.2	95.6	92.4	91.7	91.0	86.2	84.8	81.4			
	OVERALL SAMPLE DURATION: 32 SEC															
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	80.1	86.3	91.7	93.8	96.6	99.6	97.7	90.1	83.3	70.0	74.6	79.9	83.8	101.9	105.9	
	87.3	90.6	94.2	96.0	95.3	88.5	86.7	86.6	83.8	83.9						
	OVERALL SAMPLE DURATION: 31 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	75.1	81.1	86.3	87.3	88.8	89.9	85.9	82.8	79.6	66.8	67.1	69.9	74.2	75.1	82.3	95.7
	75.3	72.9	72.9	73.2	73.8	67.0	60.3	59.8								
	OVERALL SAMPLE DURATION: 30 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	80.4	85.9	90.7	91.1	90.0	91.9	94.6	97.4	95.1	90.0	92.9	97.8	97.9	95.9	100.3	106.2
	92.9	90.3	90.1	86.2	86.3	83.8	81.8	78.2								
	OVERALL SAMPLE DURATION: 31 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	73.6	74.3	78.9	82.2	79.2	81.6	79.6	78.3	74.8	73.3	73.5	80.0	82.3	83.8	85.3	91.5
	78.4	76.3	73.4	72.6	67.5	65.8	61.8									
	OVERALL SAMPLE DURATION: 32 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	64.8	77.2	81.4	78.4	81.7	76.6	79.2	77.1	67.0	68.7	72.1	74.7	75.8	79.0	81.3	89.3
	75.1	74.9	70.8	67.9	63.1	60.5	55.3									
	OVERALL SAMPLE DURATION: 32 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	66.8	75.7	75.4	80.0	78.6	79.6	78.9	77.2	70.8	68.9	73.4	76.0	76.4	76.1	81.4	88.8
	77.6	75.6	71.3	65.9	62.2	59.3										
	OVERALL SAMPLE DURATION: 32 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-109 )  
 STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-133A ( NUMBER 109 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 SEP 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
S	DIST FROM SOURCE: 66 METERS															
	98.8	104.4	108.6	111.5	115.5	119.3	122.4	125.3	127.2	125.8	122.9	121.8	123.7	121.5	128.0	134.3
	120.2	119.4	117.3	114.8	113.3	111.7	111.8	112.4	112.1	110.1	109.4	107.4				
	OVERALL SAMPLE DURATION: 30 SEC															
T	DIST FROM SOURCE: 66 METERS															
	99.0	104.5	108.7	111.8	115.9	119.2	122.9	126.3	128.6	127.2	123.8	121.1	122.0	118.2	125.4	134.4
	112.6	108.6	107.5	107.8	109.1	109.1	109.3	110.7	111.1	108.5	107.9	106.5	107.1			
	OVERALL SAMPLE DURATION: 30 SEC															
A	DIST FROM SOURCE: 66 METERS															
	98.6	104.4	108.4	111.1	115.0	119.4	121.9	123.9	125.0	123.7	121.7	122.3	124.9	123.4	129.6	134.2
	122.8	122.2	120.1	117.4	115.4	113.3	113.4	113.6	112.9	111.2	110.6	107.7				
	OVERALL SAMPLE DURATION: 30 SEC															
B	DIST FROM SOURCE: 134 METERS															
	99.0	96.0	100.7	102.8	106.6	110.8	113.2	114.5	114.1	108.0	98.8	97.3	101.4	102.8	116.4	121.5
	104.5	105.0	105.9	106.1	106.5	107.6	104.9	103.6	101.8	102.7	99.1	97.4	95.2			
	OVERALL SAMPLE DURATION: 30 SEC															
C	DIST FROM SOURCE: 238 METERS															
	86.9	92.0	97.4	98.8	102.0	106.1	106.3	106.0	103.0	92.7	83.6	87.1	90.9	92.3	108.0	113.6
	93.9	95.3	96.4	97.1	97.5	98.7	98.0	97.5	95.9	95.4	92.3	89.8	87.2			
	OVERALL SAMPLE DURATION: 30 SEC															
D	DIST FROM SOURCE: 431 METERS															
	80.0	86.0	92.0	93.9	97.1	100.1	97.9	91.3	84.6	79.2	71.9	74.5	77.7	79.7	97.3	105.1
	82.2	84.6	86.2	87.2	88.2	88.3	87.7	85.8	84.5	83.4	78.6	76.8				
	OVERALL SAMPLE DURATION: 31 SEC															
E	DIST FROM SOURCE: 753 METERS															
	76.3	80.3	86.3	88.8	91.6	94.7	91.5	85.3	75.0	65.5	61.9	65.5	67.6	66.8	82.0	98.8
	69.6	70.0	71.3	72.0	70.8	71.5	70.7	66.9								
	OVERALL SAMPLE DURATION: 30 SEC															
F	DIST FROM SOURCE: 1255 METERS															
	82.6	84.4	86.4	87.6	83.0	74.8	68.8	64.1	62.2	68.4	72.1	74.4	83.4	92.9		
	75.8	75.8	74.0	73.8	73.5	72.2	71.1	68.6	63.9	61.6						
	OVERALL SAMPLE DURATION: 30 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	69.4	74.1	75.3	76.4	76.9	73.1	65.7	59.0	55.7	60.2	67.4	69.0	73.1	82.8	86.2	
	77.7	77.2	76.7	72.7	71.2	67.7	64.4	62.0								
	OVERALL SAMPLE DURATION: 30 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	62.9	68.6	74.1	75.0	75.5	78.1	74.1	64.6	57.6	53.2	50.6	55.7	56.0	62.3	68.3	83.1
	60.6	62.2	60.1	59.0	56.1	52.7										
	OVERALL SAMPLE DURATION: 29 SEC															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 110 ) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A ( DATE 09 SEP 80 )  
 LOCATION 02 HT AGL 1.5 M ( ) DATE 05 FEB 87 )  
 ( ) PAGE F1 )  
 ( ) IDENTIFICATION: )  
 ( ) OMEGA 12.2 )  
 ( ) TEST AA-104-110 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	97.5	103.4	106.6	110.1	114.5	117.7	120.5	122.9	123.9	121.5	115.8	110.9	112.5	113.2	121.8	129.9
	112.3	111.1	111.4	111.3	109.8	107.0	107.4	107.9	106.6	103.8	103.7	100.0	100.4			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	97.2	103.1	106.9	110.2	114.8	117.4	121.0	124.0	125.7	123.6	118.3	110.6	106.3	102.9	119.7	130.8
	99.7	97.6	100.9	102.4	104.7	105.3	106.5	107.3	105.9	101.6	102.3	99.2	99.0			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	97.8	103.6	106.1	110.0	114.2	118.0	119.9	121.6	120.9	117.4	109.3	111.1	114.9	116.0	123.2	128.9
	115.2	114.0	114.2	114.0	112.1	108.1	108.5	107.2	105.2	104.8	100.7	101.5				
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	92.4	97.8	101.7	104.6	108.1	113.0	114.8	115.5	112.7	102.9	88.7	95.0	99.2	101.7	113.7	121.4
	102.4	103.9	105.1	106.3	104.4	99.5	98.9	98.0	96.0	95.6	93.2	91.4	87.8			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 40 SEC															
	85.3	91.7	96.1	98.9	102.5	106.6	106.5	104.3	97.4	82.6	78.9	84.8	90.7	95.2	108.9	113.6
	97.3	100.2	103.3	102.9	98.3	94.9	93.1	91.2	87.1	86.7	82.5	79.7	76.6			
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	80.1	86.3	90.8	93.2	96.4	98.9	97.0	90.2	81.8	69.6	75.8	80.9	85.6	102.4	105.9	105.9
	89.9	94.2	97.7	95.9	93.3	87.0	83.9	82.6								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	73.2	81.1	85.2	86.9	89.0	89.8	85.7	81.2	78.0	71.5	69.8	74.3	75.4	76.4	84.5	95.6
	76.5	76.3	78.4	77.0	71.9	67.2	65.0									
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 37 SEC															
	79.8	85.5	90.2	90.7	91.3	92.9	92.9	94.7	91.6	84.4	86.4	89.7	89.8	90.2	94.2	102.4
	88.7	85.5	82.9	81.8	80.4	77.0	70.3									
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 40 SEC															
	73.3	78.3	76.8	78.9	83.4	84.9	87.8	87.1	89.3	84.8	83.0	86.1	88.5	87.1	91.7	97.6
	85.2	84.7	81.8	78.0	76.6	73.4	72.3	67.8	67.6							
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	69.4	78.0	82.6	78.0	77.4	77.3	66.4	81.3	81.3	73.6	74.8	81.7	82.0	81.7	86.0	92.6
	80.5	77.4	77.2	74.2	70.8	66.2										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 40 SEC															
	68.0	78.1	78.5	74.9	78.2	81.4	78.1	77.5	74.8	67.7	71.0	77.3	81.5	79.3	83.3	89.8
	77.5	75.1	72.7	71.4	66.6	62.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 111 ) IDENTIFICATION: OMEGA 12.2  
 SOUND SOURCE: C-135A ( DATE: 09 SEP 80 ) TEST AA-109-111  
 LOCATION 01 MT AGL 1.5 M ( MICROPHONE: ARRAY 03 ) DATE 05 FEB 87  
 ( PAGE F1 )

MICROPHONE LOCATION U  
 25 31.5 40 50 60 80 100 125 160 200 250 315 400 500  
 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
 DIST FROM SOURCE: 66 METERS  
 96.9 102.4 105.8 108.1 110.8 114.5 116.4 117.6 117.9 116.5 116.5 113.4 112.3 111.2 118.9 126.1  
 111.2 110.7 109.0 108.0 107.0 104.0 103.1

S DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 40 SEC  
 96.8 102.5 105.9 108.3 111.0 114.1 116.4 118.0 118.7 117.1 116.5 111.7 108.8 106.0 114.2 125.5  
 102.8 97.4 94.0 91.5 90.6 89.6 88.6

T DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 40 SEC  
 96.9 102.4 105.7 107.8 110.6 114.8 116.3 117.1 116.9 115.8 116.5 114.7 114.2 113.5 121.6 126.7  
 113.9 113.6 111.9 110.9 109.9 106.9 106.1 106.4 104.9 103.4 102.5 99.6 98.8

A DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 41 SEC  
 88.4 93.7 97.2 98.6 101.0 104.9 106.0 106.0 104.6 100.2 97.4 92.8 88.3 85.3 98.3 112.8  
 84.2 83.2 82.7 81.7 80.3 80.3 78.5 77.5 76.1 76.6 73.3 73.1

B DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 41 SEC  
 84.6 89.4 91.9 91.7 93.6 96.7 97.0 96.5 93.4 86.5 80.5 76.2 76.2 75.6 87.5 103.4  
 75.5 74.9 74.6 73.4 72.2 72.8 73.1

C DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 40 SEC  
 76.4 81.2 84.0 82.9 84.3 67.1 63.7 65.4 68.0 68.5 88.2  
 68.3 67.4 66.6 65.9 64.7 63.7

D DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 40 SEC  
 70.5 74.3 78.3 77.5 77.4 78.4 74.5 69.5 63.0 59.3 58.8 60.9 63.4 63.5 70.7 85.3  
 62.6 62.3 62.1 61.0 59.7 58.3 57.1

E DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 19 SEC  
 57.4 56.3 54.6 52.6 50.8 48.5 65.2 64.6 62.1 59.1 57.4 58.1 60.0 58.7 64.2 75.0

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-112  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M ( EVENT: NUMBER 112 DATE 09 SEP 80 )  
 MICROPHONE: ARRAY 03

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSRPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	95.9	101.2	105.0	107.5	111.7	115.5	118.2	121.0	123.1	122.6	119.6	116.5	119.1	117.2	124.2	130.3
	115.1	114.2	113.5	113.5	112.8	109.8	109.0	109.5	108.4							
S	DIST FROM SOURCE: 66 METERS															
	95.8	101.2	105.1	107.7	111.9	115.3	118.4	121.6	124.1	123.4	119.9	114.8	115.8	112.7	119.2	129.8
	107.1	101.7	99.1	97.3	96.2	94.7	93.1	93.2	94.0							
T	DIST FROM SOURCE: 66 METERS															
	95.9	101.3	104.8	107.2	111.4	115.8	118.1	120.2	121.7	121.5	119.4	117.7	121.0	119.4	126.7	130.8
	117.8	117.1	116.4	116.5	115.7	112.7	112.0	112.4	111.3	109.9	109.5	105.9	106.4			
A	DIST FROM SOURCE: 134 METERS															
	87.2	92.4	96.1	97.7	100.6	104.7	106.2	107.2	107.7	104.0	98.6	93.3	90.3	85.3	100.1	113.9
	84.7	83.3	83.1	82.7	82.0	82.2	79.6	78.3								
B	DIST FROM SOURCE: 238 METERS															
	84.1	88.1	91.9	92.4	93.9	98.0	96.7	95.3	92.9	87.6	79.4	75.8	77.0	76.9	87.9	103.8
	76.6	75.8	75.8	74.9	73.7	73.0	71.4	70.4	68.0	67.4						
C	DIST FROM SOURCE: 431 METERS															
	73.8	77.6	81.6	81.9	82.9	85.9	83.8	81.2	75.6	69.8	67.4	66.2	68.3	67.9	76.3	91.6
	67.5	66.6	66.2	65.5	64.0	63.0	61.3	58.8								
D	DIST FROM SOURCE: 753 METERS															
	67.8	69.2	72.7	70.6	69.5	74.4	71.6	70.1	68.3	63.8	61.8	62.6	64.6	64.3	71.0	81.1
	63.7	62.9	62.2	60.8	59.6	58.2	56.0									
E	DIST FROM SOURCE: 1255 METERS															
	60.1	59.0	57.5	55.5	53.6	51.2	68.3	66.4	65.6	67.5	64.2	61.5	61.6	62.7	67.1	75.5
	66.4															
F	DIST FROM SOURCE: 1757 METERS															
	59.7	51.6	49.7	47.6	45.2	42.3	62.1	60.7	58.7	56.2	56.6	56.7	55.4	60.5	68.0	
G	DIST FROM SOURCE: 2087 METERS															
	49.1						55.9	51.6	52.3	52.9	51.2					





TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 114 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 09 SEP 80 ) ARRAY 03 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-114  
 ) ) ) ) ) DATE 05 FEB 87  
 ) ) ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	DIST FROM SOURCE: 66 METERS																
	96.4	102.0	106.2	109.7	111.7	116.8	119.0	121.7	123.3	122.9	120.6	116.9	119.7	119.7	125.2	131.0	
	116.2	115.4	114.7	114.6	114.1	111.2	110.5	111.0	109.8								
S	DIST FROM SOURCE: 66 METERS																
	95.2	101.9	106.3	108.9	111.9	116.5	119.1	122.2	124.2	123.5	120.6	114.9	115.8	113.5	119.5	130.1	
	107.3	101.3	98.1	95.3	94.5	93.1	91.5	92.0	92.3								
T	DIST FROM SOURCE: 66 METERS																
	96.5	102.1	106.1	108.4	111.5	117.1	119.9	121.2	122.3	122.1	120.6	118.3	121.7	121.0	127.9	131.8	
	118.9	118.3	117.7	117.6	117.1	114.2	113.5	114.0	112.8	111.3	111.6	107.8	107.8	107.8			
A	DIST FROM SOURCE: 134 METERS																
	87.7	93.4	97.9	99.2	101.6	105.7	107.8	109.2	109.0	105.9	101.5	95.5	93.3	90.6	102.4	115.6	
	89.1	87.7	86.9	85.9	85.1	85.2	82.9	82.0	80.6	81.8							
B	DIST FROM SOURCE: 238 METERS																
	83.3	87.4	92.2	92.4	94.3	98.4	97.9	98.3	95.8	90.8	83.2	79.1	81.1	80.4	91.3	105.1	
	80.1	80.0	79.6	79.1	78.0	77.5	76.2	75.3	73.3	72.5							
C	DIST FROM SOURCE: 431 METERS																
	74.2	78.0	82.3	81.5	81.1	83.1	80.5	79.6	75.0	71.2	68.7	68.7	69.9	70.2	77.3	90.2	
	69.5	68.4	67.6	66.9	65.6	64.5	62.7	61.0									
D	DIST FROM SOURCE: 753 METERS																
	70.0	74.5	74.0	73.9	75.4	72.3	69.9	69.0	65.0	63.0	63.9	66.6	66.0	66.0	72.8	82.8	
	65.3	64.7	64.0	62.6	61.4	60.2	58.1										
E	DIST FROM SOURCE: 1255 METERS																
	58.8	57.4	55.8	53.9	52.0	49.6	65.5	66.2	66.4	64.4	61.8	60.3	60.6	61.5	60.3	65.7	74.8
	55.5	53.6	51.7	49.7	47.0	44.0											
F	DIST FROM SOURCE: 1757 METERS																
	62.9	62.8	63.1	59.3	57.2	57.7	58.3	57.1	58.3	57.1	62.2	62.2	62.2	62.2	62.2	69.4	
G	DIST FROM SOURCE: 2087 METERS																
	59.8	60.2	58.1													55.1	59.4
	90.4																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-115  
 DATE 05 FEB 67  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 115)  
 SOUND SOURCE: C-135A (HT AGL 1.5 M (DATE 09 SEP 60)  
 LOCATION 02 (MICROPHONE: ARRAY D4)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	95.6	101.1	104.4	107.7	111.8	115.9	118.5	122.9	126.9	131.6	136.3	141.2	146.3	151.7	119.9	129.7
	110.6	109.1	108.6	108.0	106.2	104.7	104.8	105.2	104.4	101.3	101.2	98.4	97.9			
S	DIST FROM SOURCE: 75 METERS															
	95.4	101.1	105.0	108.1	112.4	116.0	119.0	122.3	124.8	123.8	118.8	108.3	106.7	104.3	118.8	129.9
	100.1	98.2	100.5	101.0	102.7	103.6	103.7	104.9	104.3	98.6	99.7	98.3	96.7			
T	DIST FROM SOURCE: 75 METERS															
	95.8	101.1	103.7	107.3	111.1	115.8	118.0	119.7	119.5	116.8	109.5	107.0	113.4	115.0	120.8	127.1
	113.4	112.0	111.3	110.6	108.0	105.6	105.7	105.4	104.4	102.9	102.4	98.5	98.8			
A	DIST FROM SOURCE: 134 METERS															
	90.9	96.1	100.4	102.9	106.1	111.8	114.3	115.5	113.7	105.5	92.7	92.9	99.5	102.3	113.6	121.3
	103.0	104.4	106.2	105.8	103.5	99.7	98.7	98.3	96.1	95.3	92.4	90.6	87.0			
B	DIST FROM SOURCE: 238 METERS															
	83.3	89.6	94.4	96.7	99.7	104.9	105.2	104.5	100.6	98.6	78.1	83.8	90.7	94.6	107.3	112.5
	96.8	99.5	101.8	100.5	96.0	92.9	92.1	89.2	87.8	86.8	80.7	79.8				
C	DIST FROM SOURCE: 423 METERS															
	78.1	84.0	88.7	90.9	93.8	98.1	96.0	90.2	82.5	68.9	76.4	82.6	86.8	90.7	98.5	103.8
	90.0	92.6	93.8	89.7	85.5	83.0	82.2	81.1								
D	DIST FROM SOURCE: 753 METERS															
	74.6	82.1	87.4	88.9	91.1	93.6	89.6	81.4	76.0	70.3	67.8	75.1	81.6	83.4	90.7	98.9
	83.6	85.5	85.0	80.0	76.3	74.0	72.1	68.1	64.1							
E	DIST FROM SOURCE: 1255 METERS															
	72.4	76.6	81.7	83.2	85.0	86.9	81.7	74.9	69.7	63.1	60.3	66.3	72.3	76.2	80.6	91.9
	76.5	74.4	71.6	68.3	64.7	63.5	58.3									
F	DIST FROM SOURCE: 1757 METERS															
	63.3	68.3	74.5	74.6	73.8	74.1	70.0	67.2	60.6	61.2	66.5	68.0	71.9	82.0		
	68.1	65.0	63.0	58.0	54.5	52.2										
G	DIST FROM SOURCE: 2079 METERS															
	64.0	68.5	73.0	74.2	74.7	74.0	66.7	70.5	68.1	59.3	57.1	61.1	66.0	66.2	69.7	81.7
	65.1	61.8	59.5	55.3	51.3	49.3										
H	DIST FROM SOURCE: 2273 METERS															
	64.8	69.4	73.5	73.8	74.9	74.5	67.9	68.1	64.1	61.8	66.3	66.7	69.7	81.6		
	65.5	62.7	58.9	55.3	52.3	49.1										
I	DIST FROM SOURCE: 2377 METERS															
	62.7	67.2	70.1	71.8	73.7	73.2	68.1	67.5	63.5	61.5	64.3	65.5	68.0	79.9		
	63.9	60.5	56.7	51.8	49.2	46.5										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 116 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-116 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	96.6	101.9	106.0	108.3	111.9	116.6	118.7	121.4	123.0	122.3	120.5	116.4	119.4	118.5	125.3	130.7
	116.1	115.3	115.0	114.3	111.4	110.5	110.9	109.8								
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	96.5	101.9	106.1	108.5	112.0	116.2	118.7	121.8	123.7	122.9	120.6	114.6	115.6	113.6	119.4	129.7
	107.8	103.3	101.4	98.9	97.3	95.4	93.5	93.5	93.8							
T	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 66 METERS	96.7	101.9	106.0	108.1	111.7	117.0	118.8	120.9	122.0	121.6	120.5	117.7	121.4	120.8	127.9	131.7
	118.8	118.4	118.2	118.0	117.3	114.3	113.5	113.9	112.8	111.3	110.9	107.0	107.8			
A	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 134 METERS	87.9	93.4	97.4	99.0	101.7	106.9	108.2	109.3	108.9	105.4	101.0	95.9	94.7	90.3	102.0	115.6
	86.5	85.2	85.1	84.4	83.5	83.6	81.5	80.2	79.3							
B	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 238 METERS	83.9	88.1	92.4	92.6	94.2	98.5	97.8	97.6	94.6	87.5	80.3	76.5	79.3	79.0	89.5	104.8
	78.1	77.4	77.2	76.9	75.8	74.9	73.5	72.6	70.4	69.8						
C	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 431 METERS	76.1	80.7	85.0	85.0	85.6	88.0	84.1	80.5	77.7	74.4	72.8	72.2	74.2	74.1	82.1	93.9
	73.7	73.1	73.1	72.3	71.0	70.0	68.7	66.2	64.0	63.3						
D	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 753 METERS	70.7	77.0	76.5	76.7	78.9	74.5	70.9	65.4	65.0	65.1	67.3	66.4	73.4	68.7	83.7	93.9
	66.0	65.3	64.5	63.5	62.6	61.2	59.2									
E	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 1255 METERS	70.8	72.8	73.1	73.9	73.6	70.4	71.3	70.2	64.8	63.6	63.2	64.4	62.4	68.7	80.9	93.9
	61.2	60.2	58.7	56.6	54.7	52.3										
F	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 1757 METERS	57.3	55.4	53.6	51.1	48.7	46.1	65.0	64.4	66.3	65.2	61.4	58.9	60.2	58.8	64.1	73.3
	64.4	62.3														
G	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2087 METERS	51.6	49.9					61.3									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 117 ) MICROPHONE: AL  
 SOUND SOURCE: C-135A ( DATE 09 SEP 80 ) ARRAY 04 (DBA) (DB)  
 LOCATION 02 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	96.1	100.9	104.7	108.6	111.2	116.4	118.3	120.9	122.9	122.3	117.8	108.0	111.2	112.8	120.6	129.0
	111.4	109.8	109.2	109.4	107.2	104.8	105.4	105.9	106.0	101.7	99.3	99.3				
S	75 METERS															
DIST FROM SOURCE:	96.1	101.0	105.3	108.9	111.8	116.5	118.7	121.9	124.8	124.5	120.3	109.1	107.1	105.2	119.4	130.1
	101.2	98.5	100.1	101.2	103.0	103.6	104.0	105.4	106.1	99.7	99.2	98.9				
T	75 METERS															
DIST FROM SOURCE:	96.1	100.8	104.0	108.2	110.5	116.2	117.8	119.6	117.8	111.6	106.7	113.3	115.5	127.4	121.6	127.4
	114.2	112.6	111.9	112.1	109.3	105.8	106.5	106.4	105.8	103.3	103.1	99.4	99.7			
A	134 METERS															
DIST FROM SOURCE:	91.5	96.3	101.0	103.7	106.1	112.2	114.2	115.5	114.0	106.3	94.4	93.4	100.0	102.0	113.8	121.4
	102.5	103.7	105.5	106.1	105.1	101.7	98.2	98.8	96.4	92.5	90.6	87.0				
B	238 METERS															
DIST FROM SOURCE:	84.8	90.0	95.2	97.8	100.3	105.5	105.7	105.1	101.4	91.1	81.9	85.5	92.7	95.9	108.4	113.2
	97.5	99.4	101.8	101.6	98.7	95.4	94.5	92.3	89.6	83.3	80.8					
C	423 METERS															
DIST FROM SOURCE:	81.1	85.6	91.0	93.3	95.5	99.6	97.4	90.8	85.4	78.6	75.0	78.8	86.2	89.2	100.9	105.5
	90.5	91.6	93.9	93.1	91.5	90.8	88.2	85.4	83.9							
D	753 METERS															
DIST FROM SOURCE:	77.2	82.7	88.5	90.7	92.9	95.9	92.7	85.3	78.7	74.8	70.6	76.8	83.2	85.5	94.7	101.3
	86.4	87.2	88.9	87.2	83.4	79.9	77.7	74.9	69.8	68.2						
E	1255 METERS															
DIST FROM SOURCE:	75.1	79.9	85.0	87.0	88.3	90.9	87.9	81.8	75.8	69.8	66.6	71.5	78.7	82.1	87.6	96.5
	83.5	82.3	79.1	75.4	72.1	69.2	66.0	62.7								
F	1757 METERS															
DIST FROM SOURCE:	69.8	74.3	80.3	81.9	82.0	83.0	78.3	76.1	71.9	65.6	65.0	73.6	78.2	78.9	82.0	90.3
	77.0	74.9	72.7	67.8	65.3	63.2	59.7									
G	2079 METERS															
DIST FROM SOURCE:	68.4	74.9	79.3	80.2	80.8	81.5	76.2	73.8	72.0	69.3	65.7	67.1	71.2	73.1	76.7	88.2
	72.5	69.3	67.2	63.2	58.1	56.7										
H	2273 METERS															
DIST FROM SOURCE:	67.6	72.7	77.1	77.9	79.1	80.7	77.5	73.7	69.0	63.8	61.0	65.0	70.0	71.8	75.5	86.8
	71.4	68.7	66.3	61.2	55.5	53.3										
I	2377 METERS															
DIST FROM SOURCE:	65.9	70.2	74.4	75.3	77.3	78.9	75.3	71.5	68.5	63.3	58.7	62.2	67.6	69.3	72.6	84.7
	68.1	65.5	62.5	56.5	52.5	52.6										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 09 SEP 80 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-118 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	PL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	96.2	101.9	105.8	108.9	111.0	116.6	118.6	121.5	123.0	122.4	120.3	115.9	118.5	117.6	124.1	130.4
	114.8	114.0	113.9	113.5	112.7	109.5	108.6	108.8	107.6							
S	DIST FROM SOURCE: 66 METERS															
	96.3	101.9	105.9	109.1	111.9	116.2	118.8	121.9	123.7	122.9	120.2	113.9	114.3	112.0	118.7	129.6
	105.7	100.9	98.8	95.9	94.4	92.8	91.0	90.9	91.4							
T	DIST FROM SOURCE: 66 METERS															
	96.2	101.9	105.8	108.7	111.7	116.9	118.9	121.1	122.2	121.8	120.3	117.3	120.6	120.0	126.6	131.1
	117.5	116.9	116.4	115.7	112.5	111.6	111.7	110.5	109.2	108.4	104.8	105.4				
A	DIST FROM SOURCE: 134 METERS															
	86.7	92.3	96.2	98.2	100.8	105.3	106.7	108.2	109.0	104.4	99.6	93.8	92.2	88.8	100.7	114.5
	85.0	83.9	83.2	82.1	81.2	81.1	78.8	78.7	77.4							
B	DIST FROM SOURCE: 238 METERS															
	83.2	87.4	91.7	92.4	94.3	98.0	97.6	97.3	94.5	88.0	81.1	76.8	78.5	78.4	89.0	104.5
	78.1	76.5	76.4	75.6	74.2	73.5	72.0	71.0	68.9	68.0						
C	DIST FROM SOURCE: 431 METERS															
	75.4	80.1	84.9	85.5	86.5	88.5	86.1	83.4	80.9	76.6	71.6	70.2	71.8	71.6	80.3	94.6
	71.0	70.5	70.1	69.9	68.3	67.2	65.9	64.3	63.6	62.3						
D	DIST FROM SOURCE: 753 METERS															
	68.8	71.1	75.5	76.7	76.6	78.6	75.6	73.5	67.8	63.7	61.9	63.1	65.0	64.1	71.1	84.7
	63.5	62.6	62.1	60.9	59.6	58.4										
E	DIST FROM SOURCE: 1255 METERS															
	68.3	70.5	68.5	69.5	69.5	69.9	67.1	67.9	67.0	64.3	61.7	62.0	62.8	61.2	66.9	78.2
	59.6	58.3	56.8	54.9	52.9	50.6										
F	DIST FROM SOURCE: 1757 METERS															
	65.1	62.5	63.7	63.0	62.9	64.8	63.4	60.1	56.8	57.1	57.8	56.7			61.9	72.2
	54.9	53.0	50.9	48.7	46.6	44.0										
G	DIST FROM SOURCE: 2087 METERS															
	59.1	59.7	57.6												57.9	67.0
	51.2	50.0														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 119 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 09 SEP 80 ) ) TEST AA-104-119 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE 71 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OMSPPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.2	101.3	105.5	108.6	111.5	117.3	118.7	121.3	122.8	122.4	118.8	108.3	110.8	113.3	120.6	129.2
	112.1	110.3	109.3	108.5	106.6	104.8	105.0	106.6	105.5	102.2	99.0	99.7				
S	DIST FROM SOURCE: 75 METERS															
	96.1	101.2	106.1	108.9	112.0	117.5	119.3	122.3	124.7	124.5	121.3	109.5	107.2	105.5	119.6	130.4
	102.2	98.8	100.2	100.5	102.7	103.4	103.8	105.6	106.1	101.1	101.0	99.5	98.6			
T	DIST FROM SOURCE: 75 METERS															
	96.4	101.4	104.8	108.2	110.9	117.2	118.1	120.0	119.5	117.9	112.5	106.8	112.8	115.9	121.5	127.6
	114.9	113.1	112.0	111.2	109.6	109.8	105.9	105.7	104.8	103.1	98.5	98.8				
A	DIST FROM SOURCE: 134 METERS															
	91.6	96.5	101.7	103.7	106.6	113.3	114.7	116.3	114.5	107.2	96.0	93.1	100.0	102.5	113.2	121.9
	103.1	104.1	105.3	105.0	103.2	99.8	97.2	97.0	94.2	93.6	88.2					
B	DIST FROM SOURCE: 238 METERS															
	84.5	89.9	95.7	97.3	100.4	105.8	105.5	104.9	100.7	90.2	81.6	85.4	93.6	97.2	108.0	113.1
	99.1	100.6	102.1	100.3	95.7	94.1	93.4	91.4	88.8	88.2	81.0					
C	DIST FROM SOURCE: 423 METERS															
	79.9	85.0	90.9	92.6	95.5	100.2	98.2	92.9	87.6	76.5	73.6	78.1	87.7	91.8	101.4	106.3
	94.3	95.8	95.7	91.4	88.1	86.9	86.3	84.3								
D	DIST FROM SOURCE: 753 METERS															
	75.6	81.4	87.8	89.4	91.8	94.1	90.5	85.7	80.8	75.3	72.1	78.2	85.7	88.9	95.5	100.8
	90.4	88.2	88.2	86.8	82.3	79.5	78.9	75.0	69.9	66.8						
E	DIST FROM SOURCE: 1255 METERS															
	74.6	79.5	85.1	86.2	87.7	88.9	84.0	78.9	76.1	73.7	69.4	72.2	78.1	78.1	84.7	94.8
	77.4	78.6	77.5	74.9	72.1	68.3	64.8	60.8								
F	DIST FROM SOURCE: 1757 METERS															
	67.6	72.9	78.8	79.5	79.0	78.0	71.7	73.9	68.5	63.4	63.7	67.4	72.9	74.3	77.8	86.8
	72.4	71.4	70.2	64.4	59.5	57.4										
G	DIST FROM SOURCE: 2079 METERS															
	66.7	73.2	78.2	77.3	77.2	76.7	69.8	71.3	70.0	65.1	61.3	64.0	70.1	71.2	74.1	85.1
	68.2	67.2	64.9	60.4	55.1	51.8										
H	DIST FROM SOURCE: 2273 METERS															
	66.6	72.5	76.3	75.1	75.3	76.0	70.6	66.8	66.7	58.4	60.7	66.6	68.3	71.1	71.1	83.2
	66.7	64.4	60.2	55.4	51.6	48.5										
I	DIST FROM SOURCE: 2377 METERS															
	63.7	70.2	74.0	72.8	73.8	73.8	69.5	63.9	65.7	57.2	60.2	66.2	66.6	68.2	69.4	81.2
	64.1	62.0	58.6	54.0	49.6	47.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 120 ) ARRAY 03 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 09 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-109-120 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	96.3	101.6	106.0	108.9	111.7	116.8	118.7	121.3	123.1	122.7	120.2	116.6	119.6	118.4	124.7	130.7
	115.9	115.1	114.6	114.3	113.2	110.2	109.1	109.2	107.8							
S	DIST FROM SOURCE: 66 METERS															
	96.2	101.6	106.1	109.1	111.9	116.5	118.8	121.8	123.9	123.4	120.4	114.9	116.1	113.9	119.5	129.9
	107.6	102.0	99.9	97.9	96.9	95.2	93.4	93.5	93.8							
T	DIST FROM SOURCE: 66 METERS															
	96.3	101.6	105.9	108.7	111.5	117.1	118.7	120.7	122.0	121.8	120.0	117.8	121.5	120.6	127.2	131.3
	118.6	118.0	117.5	117.2	116.2	113.1	112.1	112.2	110.8	108.9	108.4	104.7	105.5			
A	DIST FROM SOURCE: 134 METERS															
	86.9	92.5	96.7	98.7	100.8	106.0	108.0	108.1	104.8	99.3	93.7	92.0	89.1		100.8	114.6
	86.3	84.1	83.5	82.8	81.6	81.8	79.5	78.6	78.3							
B	DIST FROM SOURCE: 238 METERS															
	83.2	87.7	92.3	93.2	94.5	99.3	98.6	98.3	95.6	89.5	82.4	77.9	78.6	78.3	89.8	105.5
	77.5	76.9	76.8	75.9	75.2	74.7	73.0	72.0	69.9	69.0						
C	DIST FROM SOURCE: 431 METERS															
	74.5	78.7	83.0	84.1	85.8	88.7	86.4	83.1	78.3	74.4	71.2	71.8	73.2	71.1	80.2	94.1
	71.3	70.8	70.1	69.6	68.3	67.3	65.5	63.3	61.1	60.5						
D	DIST FROM SOURCE: 753 METERS															
	65.6	67.4	71.2	71.5	70.9	74.7	71.3	69.9	68.0	63.7	61.9	62.9	64.5	63.8	70.5	81.0
	63.1	62.1	61.5	60.2	59.0	57.6	56.0									
E	DIST FROM SOURCE: 1255 METERS															
	65.1	66.7	69.7	66.4	67.7	66.5	69.9	71.9	71.5	67.6	65.3	65.0	65.8	64.9	70.6	79.6
	63.5	62.3	60.7	58.6	56.8	54.4										
F	DIST FROM SOURCE: 1757 METERS															
	56.9	55.3	53.8	51.4	48.9	46.2	64.7	62.4	63.7	66.7	64.5	66.3	62.6	59.6	59.8	58.7
	56.9	55.3	53.8	51.4	48.9	46.2										
G	DIST FROM SOURCE: 2087 METERS															
	52.6	50.9					61.1	56.3	55.5	55.5	56.7	54.6				

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 121 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 09 SEP 80 ) ) TEST AA-104-121  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	95.3	100.9	104.2	108.5	111.6	116.6	119.8	121.3	123.0	122.2	116.9	108.1	111.8	113.2	120.5	129.0
	111.5	110.2	109.4	108.6	107.3	105.6	105.3	105.6	104.8	101.4	99.0	98.6				
S	DIST FROM SOURCE: 75 METERS															
	95.3	100.9	104.8	108.9	112.3	116.8	119.4	122.4	125.0	124.5	119.5	108.7	106.4	105.1	119.4	130.3
	101.2	99.2	101.3	102.1	104.4	104.8	104.5	105.4	104.4	100.7	99.2	98.4				
T	DIST FROM SOURCE: 75 METERS															
	95.3	100.9	103.5	108.1	110.8	116.4	119.2	119.8	119.2	116.8	109.6	107.4	114.1	115.9	121.5	127.3
	114.3	113.0	112.0	111.1	109.0	106.2	106.0	105.8	105.2	102.9	102.0	98.8	99.1			
A	DIST FROM SOURCE: 134 METERS															
	91.1	96.6	101.0	104.4	107.0	113.1	115.3	116.3	113.9	105.0	100.2	103.3	114.1	122.0		
	104.6	106.5	107.6	105.9	101.3	100.4	100.1	97.8	96.6	95.1						
B	DIST FROM SOURCE: 238 METERS															
	84.6	90.5	95.5	98.6	101.2	106.4	106.4	105.1	99.7	86.8	80.0	87.8	108.5	113.7		
	100.1	102.0	103.2	99.2	95.4	94.7	92.9	90.8	87.5	82.2						
C	DIST FROM SOURCE: 423 METERS															
	80.3	86.1	91.1	94.0	96.2	99.6	96.0	89.2	86.1	76.1	75.6	80.5	99.6	105.2		
	93.2	95.1	93.2	86.5	87.9	85.5	85.0	83.8								
D	DIST FROM SOURCE: 753 METERS															
	77.2	83.7	89.4	92.0	93.9	94.8	89.0	85.4	81.6	77.2	75.4	81.5	92.1	100.9		
	87.2	84.4	81.1	78.6	79.3	76.2	75.0	71.8	67.5							
E	DIST FROM SOURCE: 1255 METERS															
	74.4	80.4	84.8	86.0	85.3	83.9	77.6	76.9	77.9	76.4	72.5	76.9	85.7	93.6		
	81.4	78.2	75.1	69.4	70.3	67.5	63.4	61.4								
F	DIST FROM SOURCE: 1757 METERS															
	70.5	75.4	80.1	79.9	76.7	72.5	72.3	72.0	67.6	65.6	64.9	69.9	77.8	86.6		
	72.5	69.5	66.0	62.5	62.8	59.0										
G	DIST FROM SOURCE: 2079 METERS															
	67.3	73.8	76.3	76.2	73.0	70.4	66.5	68.0	69.1	67.9	64.3	67.3	74.7	83.5		
	69.3	67.0	62.6	59.3	56.4	52.9										
H	DIST FROM SOURCE: 2273 METERS															
	65.3	71.7	73.9	73.8	73.6	72.8	68.3	73.1	67.6	62.9	59.8	65.2	72.8	82.5		
	67.0	64.1	60.6	56.7	54.2	50.5										
I	DIST FROM SOURCE: 2377 METERS															
	63.2	69.6	70.7	71.5	72.4	70.3	68.4	68.4	66.8	63.3	60.2	63.7	70.9	80.3		
	65.7	62.1	59.1	53.7	51.9											



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 122 ) MICROPHONE: ARRAY 03 ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( DATE 09 SEP 80 ) ) ) OMEGA 12.2 )  
 LOCATION 01 ( ) ) ) TEST AA-103-122 )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	60	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)								
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																								
	DIST FROM SOURCE: 66 METERS																								
	95.5	101.6	105.4	108.0	111.8	116.1	118.6	121.4	122.9	122.3	120.1	116.2	118.5	117.6		124.2	130.3								
	114.8	114.4	114.3	113.8	112.7	109.7	108.9	109.4	108.2																
S	DIST FROM SOURCE: 66 METERS																								
	95.7	101.8	105.6	108.3	112.0	115.9	118.7	122.0	123.9	123.0	120.2	114.3	114.8	112.6		119.0	129.7								
	106.5	102.0	100.0	98.1	97.3	95.4	94.8	95.5	96.0																
T	DIST FROM SOURCE: 66 METERS																								
	95.4	101.5	105.3	107.7	111.6	116.4	118.4	120.7	121.7	121.5	120.0	117.5	120.5	119.8		126.7	130.9								
	117.5	117.3	117.2	116.8	115.6	112.7	111.8	112.3	111.0	109.4	108.5	104.6	105.2												
A	DIST FROM SOURCE: 134 METERS																								
	86.6	92.9	96.6	98.6	101.5	105.9	107.1	108.6	108.5	105.2	101.1	95.9	93.4	89.9		101.7	115.0								
	87.0	85.5	85.5	84.8	83.4	83.5	81.3	80.3	79.7																
B	DIST FROM SOURCE: 238 METERS																								
	82.7	87.8	92.0	93.0	95.1	98.7	98.6	99.0	97.0	91.7	84.6	80.4	81.2	80.0		91.0	105.8								
	79.1	78.5	78.0	77.1	75.9	75.7	74.2	73.3	71.2																
C	DIST FROM SOURCE: 431 METERS																								
	74.4	79.8	83.7	84.6	86.3	88.1	84.8	82.6	80.1	75.3	70.9	70.1	71.9	71.7		79.8	93.9								
	71.4	70.4	69.8	69.3	67.8	66.7	65.0	62.7	60.4																
D	DIST FROM SOURCE: 753 METERS																								
	68.5	70.2	73.7	74.0	73.3	74.3	70.9	71.1	68.8	65.9	64.1	64.3	66.0	65.2		71.5	82.3								
	64.0	63.0	62.1	60.9	59.7	58.3	56.2																		
E	DIST FROM SOURCE: 1255 METERS																								
	60.3	59.4	57.8	56.0	54.2	51.7	65.8	67.9	67.2	68.0	70.4	68.7	65.6	63.1	62.1	63.4	61.7	67.5							
	DIST FROM SOURCE: 1757 METERS																								
	51.9																42.6								
	DIST FROM SOURCE: 2087 METERS																								
	52.7	50.9														62.8	61.4	59.5	56.9	56.2	56.3	57.0	55.0	59.3	69.0

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-123  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 123 ) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A ( DATE 09 SEP 80 )  
 LOCATION 02 MT ABL 1.5 M ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSAPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	95.4	100.8	104.1	107.7	111.2	115.9	117.9	120.7	122.4	121.6	116.7	108.2	111.3	111.8	120.1	128.5
	110.5	109.0	108.8	109.3	107.2	104.6	104.9	105.9	106.0	102.4		98.9	99.2			
	OVERALL SAMPLE DURATION: 31 SEC															
S	95.4	100.9	104.7	108.1	111.8	116.0	118.4	121.8	124.2	123.7	119.2	109.1	107.9	104.2	118.9	129.6
	100.4	97.2	99.4	100.6	102.6	103.1	103.9	105.7	106.7	101.9		99.0	99.2			
	OVERALL SAMPLE DURATION: 31 SEC															
T	96.4	100.8	103.4	107.4	110.5	115.7	117.3	119.4	119.3	117.4	110.7	107.1	113.2	114.4	121.1	127.0
	113.3	111.8	111.6	111.9	109.4	105.7	105.8	106.1	105.3	102.8	102.1	98.7	99.1			
	OVERALL SAMPLE DURATION: 31 SEC															
B	89.9	89.6	94.5	96.9	99.8	105.1	105.3	103.2	101.3	91.2	90.1	83.9	89.5	91.2	105.8	112.2
	92.4	94.1	96.9	98.7	98.4	95.5	91.7	89.8	87.6	87.6		79.6				
	OVERALL SAMPLE DURATION: 31 SEC															
C	79.2	84.9	89.9	92.1	94.8	99.1	96.8	91.2	82.8	75.1	69.0	75.9	81.1	83.7	97.6	104.2
	86.1	88.6	91.6	91.6	86.8	84.5	85.1									
	OVERALL SAMPLE DURATION: 32 SEC															
D	75.6	81.9	87.3	89.5	91.9	94.0	89.6	81.8	78.7	72.5	68.5	74.7	81.7	84.6	90.9	99.2
	84.5	84.2	84.2	80.7	77.4	76.2	74.9	71.4	66.8	64.7						
	OVERALL SAMPLE DURATION: 30 SEC															
E	73.6	79.4	84.4	85.9	87.3	88.5	83.1	78.0	75.6	69.6	66.6	73.0	78.5	80.0	85.1	94.5
	79.9	78.5	77.1	74.6	69.9	67.7	65.8	61.9								
	OVERALL SAMPLE DURATION: 31 SEC															
F	69.3	73.4	78.2	79.5	79.6	80.2	77.8	74.9	69.0	64.1	63.2	68.3	72.4	74.0	79.1	87.7
	74.7	73.0	71.3	67.0	63.8	61.2										
	OVERALL SAMPLE DURATION: 31 SEC															
G	69.5	74.9	78.9	78.9	79.1	78.2	77.0	74.8	72.5	71.5	68.1	71.0	76.0	75.8	78.8	87.7
	74.1	70.7	67.6	63.6	59.7	56.2										
	OVERALL SAMPLE DURATION: 31 SEC															
H	69.0	74.4	78.4	78.3	78.5	77.3	74.0	72.4	71.2	68.9	66.5	72.4	77.1	76.3	79.2	87.2
	74.7	71.0	67.3	62.1	58.3	55.4										
	OVERALL SAMPLE DURATION: 31 SEC															
I	67.6	72.6	76.7	77.1	77.8	76.5	72.1	71.4	70.2	67.9	64.9	70.4	74.9	75.2	77.2	85.8
	72.6	68.4	64.1	59.0	56.2	52.8										
	OVERALL SAMPLE DURATION: 31 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 124 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 09 SEP 80 ) ) TEST AA-104-124 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	95.3	99.5	102.6	106.2	110.7	114.7	117.7	120.5	121.6	118.6	113.1	107.8	105.3	106.9	117.4	127.0
	107.6 107.6 106.4 105.9 104.3 102.5 102.4 103.2 103.0 100.0															
S	DIST FROM SOURCE: 75 METERS															
	95.2	99.3	103.2	106.6	111.3	114.8	118.1	121.5	123.4	120.6	115.5	109.0	101.9	99.0	116.4	128.1
	97.2 96.1 98.0 98.4 99.9 100.8 101.1 102.9 103.5 99.1															
T	DIST FROM SOURCE: 75 METERS															
	95.3	99.6	101.8	105.8	110.0	114.5	117.2	119.2	118.5	114.5	107.1	106.2	107.1	109.5	118.2	125.5
	110.4 110.5 109.1 108.5 106.5 103.7 103.5 103.4 102.4 100.8															
B	DIST FROM SOURCE: 238 METERS															
	83.0	88.9	93.5	96.2	99.5	104.0	105.4	105.3	100.9	88.0	78.1	81.7	85.6	89.6	106.1	112.0
	94.1 96.7 98.6 99.2 97.9 94.6 91.1 90.4 87.3															
C	DIST FROM SOURCE: 423 METERS															
	79.9	84.3	88.5	91.1	94.0	97.8	95.8	88.3	81.6	69.5	73.6	78.5	83.9	100.7	104.3	104.3
	89.7 93.6 96.0 94.3 89.1 85.4 86.5 84.4															
D	DIST FROM SOURCE: 753 METERS															
	74.8	83.6	85.8	81.2	75.9	73.4	74.4	67.9	63.2	60.1	59.2	64.7	69.9	72.9	76.3	89.7
	80.8 83.6 85.8 81.2 75.9 73.4 74.4 67.9 63.2 60.1															
E	DIST FROM SOURCE: 1255 METERS															
	79.0	80.5	78.4	70.3	66.7	68.1	69.8	75.6	73.7	66.2	65.7	70.3	73.1	75.6	84.5	93.2
	78.7 83.2 84.3 86.7 88.1 89.8 88.3 81.6															
	79.0 80.5 78.4 70.3 68.5 66.7 64.4 60.9															
F	DIST FROM SOURCE: 1757 METERS															
	67.3	73.6	78.1	79.3	78.5	77.6	73.0	72.6	65.4	60.2	64.6	67.4	71.0	73.8	78.6	86.5
	74.8 73.7 69.5 63.2 60.7 59.8															
G	DIST FROM SOURCE: 2079 METERS															
	73.9	77.8	77.2	73.9	69.7	64.5	59.0	59.0	66.5	69.6	72.7	76.2	82.4	82.4	82.4	82.4
	74.0 69.7 64.5 59.0															
H	DIST FROM SOURCE: 2273 METERS															
	66.6	72.5	68.6	61.2	55.9	55.9	64.9	62.2	62.5	66.6	69.0	72.0	75.7	80.7	80.7	80.7
	72.5 68.6 61.2 55.9															
I	DIST FROM SOURCE: 2377 METERS															
	65.2	69.4	64.8	59.1	59.1	62.2	67.0	65.9	69.1	69.1	65.9	69.1	69.1	69.1	69.1	69.1
	69.4 64.8 59.1															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-125  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M ( EVENT: NUMBER 125 DATE 10 SEP 80 )  
 MICROPHONE: ARRAY 03

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1-3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	99.3	104.3	107.6	110.1	114.0	117.8	120.8	123.4	125.2	125.1	122.8	119.3	121.9	120.5	126.7	132.8
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.2	104.3	107.7	110.4	114.1	117.4	121.0	124.2	126.5	126.5	123.8	119.3	121.1	119.4	124.7	133.0
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.5	104.3	107.5	109.7	114.0	118.1	120.6	122.4	123.3	123.2	121.5	119.3	122.6	121.5	128.0	132.6
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	90.9	96.6	100.3	102.5	106.4	110.6	113.1	114.9	115.2	111.4	103.2	92.2	98.5	100.8	113.8	121.5
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	88.8	93.6	97.7	102.3	106.4	108.3	109.2	107.4	101.1	87.2	85.0	92.7	94.6	109.1	115.4	115.4
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	82.3	88.2	93.1	95.4	99.2	103.0	103.9	101.5	92.6	84.7	76.7	77.3	83.8	87.3	102.1	109.6
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	78.7	83.6	88.7	91.5	95.2	99.0	98.9	95.7	87.0	74.3	70.1	75.1	81.6	85.5	97.2	105.0
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	78.4	81.3	86.3	87.8	90.8	93.4	90.5	84.3	76.1	73.5	70.7	76.4	81.4	85.4	93.8	99.5
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	75.8	81.2	85.6	87.1	89.1	90.4	88.2	85.7	80.0	73.6	77.6	83.4	85.4	91.2	97.8	97.8
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	74.8	80.2	85.4	86.4	87.3	86.9	83.7	81.5	79.8	74.5	78.7	82.9	86.0	86.2	91.2	96.6
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	77.3	82.4	86.3	86.0	83.5	86.5	88.0	93.8	95.1	90.3	79.5	82.0	87.2	87.6	92.6	100.7

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 126 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 10 SEP 80 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-126 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.4	103.7	107.3	110.4	114.0	117.9	120.0	123.0	124.9	124.7	121.4	116.0	116.3	113.8	123.9	131.5
	112.7	111.9	111.2	112.3	112.5	110.2	109.8	109.8	110.1	107.9	107.4	104.3	105.0			
S	DIST FROM SOURCE: 75 METERS															
	98.0	103.4	107.6	110.3	114.1	117.4	119.9	123.6	126.3	126.4	123.4	117.5	117.0	112.7	121.9	132.2
	105.9	98.9	96.6	95.9	98.9	100.3	101.8	104.9	106.4	103.5	103.2	101.6	101.4			
T	DIST FROM SOURCE: 75 METERS															
	98.7	104.1	107.1	110.5	113.9	118.4	120.2	122.4	122.8	121.9	117.6	113.8	115.3	114.7	125.3	130.5
	115.2	114.8	114.1	115.3	115.4	113.0	112.4	112.0	112.1	110.0	109.6	105.9	107.0			
A	DIST FROM SOURCE: 134 METERS															
	92.5	97.5	102.2	104.4	107.4	112.7	115.1	117.5	117.7	114.0	107.6	99.1	96.8	97.2	112.9	123.4
	98.5	99.2	99.9	100.2	101.2	101.2	100.8	100.0	98.3	97.6	94.6	92.9	89.0			
B	DIST FROM SOURCE: 238 METERS															
	84.7	91.0	96.1	98.4	101.7	106.4	108.3	110.0	108.3	103.0	93.7	84.6	86.6	88.7	104.8	115.4
	90.7	92.4	93.6	93.3	93.9	94.1	93.4	92.0	90.2	87.7	85.1	82.3	79.8			
C	DIST FROM SOURCE: 423 METERS															
	79.6	84.1	89.2	91.4	94.7	99.4	101.4	101.9	96.5	81.4	71.9	70.9	74.4	76.7	91.5	106.9
	78.6	78.8	79.4	78.8	79.4	80.0										
D	DIST FROM SOURCE: 753 METERS															
	73.4	79.3	84.6	86.5	89.2	93.4	94.4	94.7	90.2	78.5	65.2	66.1	67.9	69.0	83.6	100.3
	69.5	69.6	69.3	68.7	67.8	66.5	64.1	61.0								
E	DIST FROM SOURCE: 1255 METERS															
	69.9	74.2	79.4	80.8	82.8	86.1	85.6	84.4	79.7	69.0	58.4	59.4	61.1	62.9	75.2	92.0
	63.6	64.2	64.4	63.3	61.8	59.4	56.0	52.4								
F	DIST FROM SOURCE: 1757 METERS															
	64.7	68.2	73.0	74.4	76.0	78.2	75.3	70.8	64.7	57.1						
	57.5	58.4	58.5	57.1	55.0	52.1										
G	DIST FROM SOURCE: 2079 METERS															
	66.0	69.1	68.7	71.2	72.6	69.8	67.0	61.8	50.6							
	52.1	52.5	51.9	51.0	48.2											
H	DIST FROM SOURCE: 2273 METERS															
	64.9	67.2	66.7	68.2	69.3	67.4	63.9	59.4								
	52.1	51.2	49.6	47.9												
I	DIST FROM SOURCE: 2377 METERS															
	61.9	64.3	64.6	65.9	67.1	65.6	62.1	57.7								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-127  
 DATE 05 FEB 67  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A (NUMBER 127 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M (DATE 10 SEP 60 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.3	104.4	108.0	110.9	115.0	118.5	121.5	124.0	125.7	125.6	123.7	120.2	122.4	121.0	127.0	133.4
	119.2	117.9	115.4	113.2	112.3	110.9	111.2	111.7	111.2	108.9	109.2	105.6	105.9			
S	DIST FROM SOURCE: 66 METERS															
	99.3	104.4	108.1	111.2	115.1	118.2	121.8	125.0	127.1	127.0	124.8	120.4	121.9	119.9	125.5	133.8
	115.4	109.7	102.3	104.5	107.5	108.7	109.8	111.4	110.7	107.7	108.7	105.5	105.3			
T	DIST FROM SOURCE: 66 METERS															
	99.4	104.4	107.8	110.7	114.8	118.8	121.2	122.8	123.6	123.5	122.3	120.0	122.9	121.8	128.2	139.0
	121.2	120.6	118.3	115.9	114.5	112.3	112.3	111.9	111.7	109.9	109.7	105.6	106.4			
A	DIST FROM SOURCE: 134 METERS															
	91.0	96.5	100.0	102.8	106.6	110.7	113.4	115.4	115.6	112.3	105.3	99.1	99.3	101.1	115.5	122.1
	103.0	105.0	106.7	107.6	106.0	103.5	101.4	101.3	99.0	99.8	96.0	94.2	92.3			
B	DIST FROM SOURCE: 238 METERS															
	88.0	92.8	97.3	99.3	102.8	107.0	108.9	109.7	107.8	101.4	86.7	86.0	93.1	97.4	111.1	116.6
	100.1	102.7	104.7	104.6	100.6	97.0	96.2	93.8	92.3	90.8	87.3	84.9	82.7			
C	DIST FROM SOURCE: 431 METERS															
	81.9	87.7	92.9	95.3	98.7	102.5	103.2	100.7	91.8	81.7	73.6	76.2	83.6	87.9	103.0	109.3
	92.5	95.7	97.3	96.5	91.9	86.8	88.3	84.6	83.6	81.6	76.8	76.8				
D	DIST FROM SOURCE: 753 METERS															
	77.1	82.3	87.6	91.2	94.7	98.3	98.7	96.1	87.6	74.9	68.6	72.0	76.7	79.9	94.5	104.2
	83.1	87.0	89.7	87.6	81.1	77.9	75.9	73.5	72.0							
E	DIST FROM SOURCE: 1255 METERS															
	76.4	79.0	83.0	84.7	88.5	90.8	87.6	82.7	75.7	70.3	68.2	72.5	76.5	80.8	93.1	97.6
	86.9	89.2	88.2	82.0	76.0	74.4	71.5									
F	DIST FROM SOURCE: 1757 METERS															
	74.7	79.5	83.4	84.0	86.1	87.4	84.3	80.7	75.6	73.1	70.7	77.4	82.3	85.1	90.7	95.6
	86.3	85.1	83.0	78.9	75.7	73.6	69.7	63.2								
G	DIST FROM SOURCE: 2087 METERS															
	74.7	79.9	84.5	84.7	85.7	86.7	85.2	83.4	79.6	74.0	78.3	81.8	86.0	86.6	90.7	96.2
	86.1	83.2	80.9	79.4	76.8	73.4										
I	DIST FROM SOURCE: 2377 METERS															
	78.4	84.0	88.7	89.5	90.2	90.3	89.0	90.5	88.5	81.4	76.9	81.6	86.3	87.4	91.0	99.5
	85.6	84.0	81.1	78.6	76.4	71.7	65.5	57.3								

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-104-128  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 128) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A (MT AGL 1.5 M (DATE 10 SEP 80)  
 LOCATION 02 (

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 31 SEC														
	98.2	103.6	106.0	109.3	114.2	117.1	120.3	123.0	125.5	124.2	117.1	115.8	114.0	124.1	124.1	131.4
	112.6	111.9	111.8	113.2	112.9	110.6	109.9	110.1	110.8	107.8	108.1	104.7	105.4			
S	DIST FROM SOURCE: 75 METERS															
	97.7	103.1	106.2	109.2	114.3	116.5	120.0	123.5	126.9	122.2	118.8	116.5	112.5	121.9	121.9	132.1
	105.2	98.4	97.4	97.8	100.5	101.6	103.2	106.6	108.2	103.8	104.7	102.8	102.7			
T	DIST FROM SOURCE: 75 METERS															
	98.6	104.1	105.9	109.5	114.1	117.5	120.6	122.4	123.4	121.5	116.7	114.0	115.0	115.1	125.5	130.6
	115.2	114.9	114.7	116.1	115.8	113.3	112.5	112.0	112.4	109.8	110.0	106.0	107.0			
A	DIST FROM SOURCE: 134 METERS															
	92.3	97.4	100.9	103.6	107.4	112.0	115.5	117.5	119.1	113.6	105.8	98.3	94.7	96.3	112.7	123.4
	97.5	98.3	99.4	100.4	101.5	101.4	100.6	99.5	97.6	96.7	94.0	92.1	88.0			
B	DIST FROM SOURCE: 238 METERS															
	84.5	91.1	94.8	97.7	101.4	105.7	108.8	109.9	109.0	102.8	91.8	83.4	84.3	85.6	103.6	115.4
	87.5	89.9	91.3	91.5	92.0	92.0	91.8	90.9	89.5	89.2	83.3	80.9				
C	DIST FROM SOURCE: 423 METERS															
	78.1	84.5	88.3	91.0	94.4	98.8	101.4	100.8	95.3	78.7	70.5	71.2	74.4	75.1	93.0	106.3
	75.8	78.9	81.6	82.2	83.3	83.7										
D	DIST FROM SOURCE: 753 METERS															
	73.1	80.0	83.9	86.1	89.7	93.6	95.6	94.9	90.0	78.5	63.5	65.0	66.8	68.5	83.7	100.7
	68.8	68.3	68.6	68.2	67.3	65.8	63.5	60.0								
E	DIST FROM SOURCE: 1255 METERS															
	62.1	70.7	74.3	77.0	79.5	82.4	83.8	82.4	77.2	65.5	56.2	58.6	60.7	61.9	72.9	89.2
	62.1	62.2	61.8	60.3	58.8	56.4	52.3									
F	DIST FROM SOURCE: 1757 METERS															
	55.7	56.2	56.5	55.1	52.9	49.6	66.5	69.3	72.6	73.8	71.4	68.4	63.7	52.4	64.3	79.1
G	DIST FROM SOURCE: 2079 METERS															
	51.2	51.9	51.9	51.2	48.6	45.9	63.6	65.2	68.0	69.1	66.2	63.4	62.1	50.7	50.4	73.8
H	DIST FROM SOURCE: 2273 METERS															
	66.0	66.7	65.7	64.0	60.2											
I	DIST FROM SOURCE: 2377 METERS															
	64.3	66.7	64.8	64.1	58.9											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-129

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 129 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 10 SEP 80 ) )  
 ) ) )  
 ) ) )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
	99.0	104.3	107.8	110.7	114.7	118.4	121.4	123.5	125.2	125.1	122.9	119.8	123.0	121.6	127.6	133.3
	119.6	118.6	116.9	115.0	113.4	111.7	112.1	112.7	112.1	109.5	109.9	106.4	106.7			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	98.8	104.2	107.9	110.8	114.8	118.0	121.6	124.3	126.5	126.4	123.9	119.7	122.2	120.5	125.5	133.3
	115.6	108.3	101.7	104.5	108.0	109.4	110.5	111.8	111.0	107.9	109.1	106.0	105.7			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.1	104.3	107.8	110.5	114.7	118.8	121.3	122.5	123.4	123.9	121.8	120.0	123.6	122.5	129.0	133.3
	121.6	121.4	119.9	117.8	115.7	113.2	113.3	113.4	112.9	110.7	110.6	106.7	107.5			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	90.5	96.5	100.0	102.5	106.4	110.6	113.0	114.7	115.0	111.8	105.1	93.2	97.8	98.7	113.5	121.3
	100.8	103.0	104.6	105.1	103.7	101.2	99.3	99.1	96.7	98.4	94.1	93.2	91.9			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	87.2	92.6	96.8	98.4	102.2	106.5	108.4	109.0	107.4	101.2	87.3	82.9	89.1	92.1	107.5	115.3
	94.6	97.3	99.8	100.8	98.8	93.6	92.8	90.5	89.1	87.1	84.2	83.5				
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	81.9	88.2	93.1	95.4	99.3	103.0	103.6	100.8	92.4	83.8	75.4	76.1	82.9	85.3	100.9	109.2
	87.8	90.7	93.8	95.2	92.3	84.8	86.8	82.1	81.4	78.7	75.9					
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	77.4	83.2	88.6	91.4	95.1	98.9	98.9	96.0	87.4	75.9	69.2	73.5	77.2	78.5	93.6	104.4
	81.2	84.6	87.6	87.7	82.1	78.4	75.7	72.6	71.2							
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 25 SEC															
	76.3	81.7	87.2	88.7	91.5	93.5	89.8	84.2	78.4	73.6	69.6	74.8	79.7	83.3	92.7	99.4
	84.8	87.9	87.9	82.8	78.5	74.1	73.6	69.4								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	74.5	79.9	84.1	86.2	88.4	89.7	87.3	84.1	79.8	76.9	70.5	75.6	80.2	81.4	88.3	96.3
	82.8	81.8	81.1	78.7	75.5	72.3	67.6	62.1								
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	73.0	79.3	84.7	85.8	87.0	85.8	83.2	83.4	80.2	74.0	76.4	80.7	84.9	86.5	91.4	96.4
	86.8	85.6	83.3	79.6	75.8	73.5										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	76.7	82.3	86.8	87.0	87.3	85.5	86.6	87.2	89.5	86.8	80.0	83.4	88.4	88.5	93.1	98.9
	88.2	86.7	84.2	80.9	76.8	73.0	67.6	60.8								



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 130 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 10 SEP 80 ) ) TEST AA-104-130 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.5	103.4	106.8	110.2	114.2	118.0	120.4	123.2	125.4	124.7	120.9	116.7	116.2	114.2	124.1	131.6
	112.8	112.0	111.6	112.9	112.7	110.4	109.8	109.9	110.3	108.1	107.8	104.4	105.1			
S	DIST FROM SOURCE: 75 METERS															
	98.2	103.0	107.1	110.1	114.4	117.5	120.2	123.8	126.8	126.4	122.8	118.4	117.0	113.1	122.1	132.3
	106.3	99.1	97.6	97.1	100.1	101.4	102.9	105.7	107.2	104.1	104.1	102.0	101.9			
T	DIST FROM SOURCE: 75 METERS															
	98.8	103.7	106.6	110.3	114.0	118.4	120.7	122.6	123.3	122.0	117.4	113.9	115.3	115.0	125.5	130.8
	115.3	114.9	114.5	115.8	115.6	113.1	112.3	112.0	112.1	110.1	109.8	106.0	106.9			
A	DIST FROM SOURCE: 134 METERS															
	92.3	96.8	101.3	104.0	107.1	112.4	115.1	117.3	117.7	113.6	106.3	98.4	95.5	96.7	112.6	129.2
	98.0	98.4	99.1	99.8	100.9	101.1	100.8	99.9	97.8	97.5	94.7	93.1	89.3			
B	DIST FROM SOURCE: 238 METERS															
	85.0	90.8	95.8	98.5	101.7	106.5	108.6	110.1	108.8	103.2	93.4	85.2	84.9	86.0	102.4	115.5
	87.8	88.9	89.9	90.2	89.6	88.9	88.5	87.5	88.1	84.4	80.7	78.5				
C	DIST FROM SOURCE: 423 METERS															
	78.7	84.1	89.3	91.7	94.8	99.8	101.7	101.7	96.2	80.0	72.0	72.3	75.1	76.1	91.2	107.0
	77.4	77.3	78.4	78.6	79.5	79.2										
D	DIST FROM SOURCE: 753 METERS															
	73.3	79.0	84.0	86.4	89.0	93.5	94.8	94.5	90.0	77.6	63.9	64.7	67.1	68.6	83.5	100.3
	69.5	69.1	69.4	68.6	67.7	66.2	63.8	60.6								
E	DIST FROM SOURCE: 1255 METERS															
	59.3	72.5	77.5	78.9	81.5	85.7	85.5	84.2	79.3	66.8	58.5	59.8	61.9	63.5	74.6	91.4
	63.6	63.6	62.9	61.8	60.2	57.8	54.2									
F	DIST FROM SOURCE: 1757 METERS															
G	DIST FROM SOURCE: 2079 METERS															
	52.4	52.5	68.4	68.4	70.2	71.7	71.4	68.1	62.9	52.1					58.9	77.6
H	DIST FROM SOURCE: 2273 METERS															
	66.7	66.2	68.0	69.3	69.2	65.1	59.4									
I	DIST FROM SOURCE: 2377 METERS															
	67.6	66.4	68.9	69.8	69.4	66.8										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-131  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 131)  
 SOUND SOURCE: C-135A (DATE 10 SEP 80)  
 LOCATION 01 HT AGL 1.5 M (

MICROPHONE: ARRAY 03

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.7	105.2	108.4	111.0	114.7	118.3	121.1	123.5	125.3	125.2	123.3	119.6	121.7	120.8	126.9	133.0
	118.6	117.5	116.2	114.5	113.2	111.0	111.2	111.7	110.9	108.6	108.6	104.7	105.2			
S	DIST FROM SOURCE: 66 METERS															
	99.6	105.2	108.4	111.2	114.8	117.9	121.4	124.3	126.5	126.5	124.2	119.4	120.6	119.1	124.5	133.1
	113.9	106.1	99.8	103.3	106.4	107.8	109.0	110.4	109.0	105.9	106.9	102.9	102.9			
T	DIST FROM SOURCE: 66 METERS															
	99.9	105.1	108.3	110.8	114.6	118.6	120.9	122.5	123.5	123.4	122.1	119.8	122.6	121.9	128.4	133.0
	120.8	120.4	119.1	117.3	115.8	112.9	112.6	112.8	112.3	110.2	109.8	106.0	106.7			
A	DIST FROM SOURCE: 134 METERS															
	90.9	96.9	100.4	102.7	106.2	110.4	112.9	114.5	114.8	111.1	103.3	92.3	99.1	102.4	113.9	121.3
	104.4	105.8	106.3	105.0	99.6	101.8	100.2	98.1	96.4	97.2	94.1	92.3				
B	DIST FROM SOURCE: 238 METERS															
	88.1	93.2	97.5	99.2	102.5	106.8	108.4	108.9	106.5	98.9	86.6	84.9	90.5	94.8	107.6	115.3
	97.7	99.9	101.4	99.8	95.5	93.6	93.0	91.3	89.4	87.8	85.1	83.1				
C	DIST FROM SOURCE: 431 METERS															
	82.3	88.2	93.3	95.7	99.3	102.8	103.3	100.9	91.8	81.5	73.7	76.8	83.6	88.6	101.1	109.2
	92.2	94.9	95.5	93.0	87.0	86.8	85.7	81.1	79.5	78.2						
D	DIST FROM SOURCE: 753 METERS															
	77.4	82.9	88.0	91.4	94.7	98.5	98.6	95.8	87.3	75.9	69.1	73.6	77.0	80.5	92.3	104.1
	82.5	85.2	86.3	84.0	80.3	76.1	74.4	70.7	68.0							
E	DIST FROM SOURCE: 1255 METERS															
	75.7	81.0	85.4	86.4	89.8	92.3	89.9	84.1	77.1	72.7	69.7	74.0	78.2	80.6	89.4	97.7
	82.7	83.5	83.4	80.9	75.4	72.2	70.8	66.8								
F	DIST FROM SOURCE: 1757 METERS															
	74.3	80.0	83.9	85.6	87.3	88.1	85.1	80.6	77.3	75.4	71.0	74.8	78.8	81.7	89.4	95.5
	82.6	82.1	83.3	82.4	76.6	71.1	69.0	62.3								
G	DIST FROM SOURCE: 2087 METERS															
	73.1	78.3	83.1	85.0	86.4	85.9	81.3	77.6	76.7	71.9	75.1	79.3	82.8	84.0	87.8	94.3
	82.6	80.6	78.6	76.6	74.0	70.3										
I	DIST FROM SOURCE: 2377 METERS															
	77.6	83.5	87.6	88.1	88.8	87.6	86.3	86.5	86.6	83.2	76.9	83.7	86.1	87.1	90.9	98.1
	85.3	83.7	82.0	79.0	76.2	71.6	65.5	59.8								

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 132 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 10 SEP 80 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION DZ HT AGL 1.5 M ( ) ) ) TEST AA-104-132 )  
 ) ) ) ) ) DATE 05 FEB 87 )  
 ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.2	103.5	106.6	109.5	113.9	117.4	120.2	123.2	125.1	124.4	120.4	116.9	116.2	114.2	124.1	131.4
	112.7	111.7	111.2	112.6	112.7	110.5	110.6	110.5	110.3	108.4	108.0	104.5	105.5			
S	DIST FROM SOURCE: 75 METERS															
	98.0	103.1	107.0	109.5	114.1	116.9	120.0	123.7	126.5	126.0	122.2	118.3	116.7	112.9	121.5	132.0
	106.5	99.2	96.7	95.7	98.1	99.2	100.3	103.0	104.3	101.4	101.1	100.1	100.1			
T	DIST FROM SOURCE: 75 METERS															
	98.4	103.8	106.3	109.5	113.7	117.8	120.5	122.7	123.2	121.9	117.1	114.8	115.8	115.2	125.7	130.8
	115.2	114.6	114.2	115.6	115.7	113.3	113.4	113.2	112.7	111.0	110.5	106.7	107.8			
A	DIST FROM SOURCE: 134 METERS															
	92.4	97.1	101.2	103.5	106.9	112.1	115.1	117.4	117.6	113.8	106.5	100.1	97.3	97.2	111.3	123.1
	97.9	97.9	97.9	98.0	98.5	98.1	97.3	96.1	94.7	93.1	89.8	87.5	84.3			
B	DIST FROM SOURCE: 238 METERS															
	84.5	90.9	95.5	97.9	101.4	106.2	108.7	110.4	108.9	103.4	93.2	86.3	87.3	90.0	104.0	115.7
	92.1	93.1	94.0	93.2	92.2	91.3	90.3	88.8	88.4	84.1	80.9	78.8				
C	DIST FROM SOURCE: 423 METERS															
	79.1	84.4	88.9	91.0	94.1	99.1	101.5	101.4	95.6	79.3	72.8	77.5	78.8	94.0	106.7	
	80.5	81.8	83.5	83.7	83.7	84.1										
D	DIST FROM SOURCE: 753 METERS															
	73.0	79.6	84.3	86.0	89.1	93.7	95.0	94.8	89.8	77.1	69.9	65.0	67.5	69.4	84.2	100.5
	70.1	70.9	71.7	71.1	70.7	69.2	67.0	63.7								
E	DIST FROM SOURCE: 1255 METERS															
	62.6	63.1	63.0	62.0	60.4	58.0	54.3									
F	DIST FROM SOURCE: 1757 METERS															
	57.4	57.9	57.6	55.8	53.6	50.2										
	71.0	72.7	73.2	74.7	73.4	73.7	66.6	57.9	53.9	52.4	54.4	56.2	65.5	80.7		
G	DIST FROM SOURCE: 2079 METERS															
	68.6	69.2	70.4	70.7												
	64.0															
H	DIST FROM SOURCE: 2273 METERS															
	70.0	70.0														
	71.0															
I	DIST FROM SOURCE: 2377 METERS															
	63.7	67.7	69.6	69.0	71.1	70.7	70.9	71.9	63.5	60.3						
	56.0															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 139 ) ARRAY 03 )  
 LOCATION 01 NT AGL 1.5 M ( DATE 10 SEP 80 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 29 SEC															
S	DIST FROM SOURCE: 66 METERS															
	99.4	104.6	108.4	111.2	114.5	118.5	121.8	123.6	125.6	125.3	123.3	119.8	122.4	121.0	127.2	133.3
	119.1	118.1	116.3	114.6	113.4	111.2	111.6	112.1	111.4	109.3	109.4	105.5	105.8			
T	DIST FROM SOURCE: 66 METERS															
	99.2	104.6	108.3	111.3	114.5	118.1	121.9	124.4	126.8	126.6	124.2	119.7	121.5	119.7	125.0	133.4
	114.9	107.8	101.3	104.0	107.2	108.4	109.6	110.8	109.9	106.7	107.8	104.3	104.0			
A	DIST FROM SOURCE: 134 METERS															
	99.6	104.7	108.4	111.0	114.6	118.8	121.6	122.8	123.8	123.6	122.1	119.9	123.1	122.0	128.7	138.2
	121.2	120.9	119.2	117.4	115.8	112.9	113.0	113.1	112.4	110.9	110.6	106.5	107.1			
B	DIST FROM SOURCE: 238 METERS															
	90.8	96.5	100.6	103.3	106.5	110.9	113.6	115.0	115.5	111.8	104.2	92.8	98.2	100.0	112.8	121.6
	101.2	102.8	104.3	104.5	101.4	99.1	99.5	96.7	99.9	95.8	92.0	91.6				
C	DIST FROM SOURCE: 431 METERS															
	90.3	95.2	100.0	102.2	105.0	109.7	111.8	112.7	110.7	104.0	99.6	99.9	98.9	98.9	109.6	118.5
	99.2	99.9	101.6	102.0	99.6	96.0	94.5	92.5	88.4	85.0	83.0					
D	DIST FROM SOURCE: 753 METERS															
	82.0	88.1	93.8	96.4	99.7	103.5	104.3	101.4	91.4	84.5	77.7	81.3	88.8	92.7	104.0	110.3
	95.1	97.3	98.1	96.1	90.5	91.0	89.3	86.5	85.3	83.7	80.0	80.0				
E	DIST FROM SOURCE: 1255 METERS															
	77.1	82.1	87.6	91.0	94.1	97.9	98.9	96.1	87.4	74.4	68.6	74.1	77.6	81.2	95.0	104.2
	85.0	88.7	90.0	86.3	81.9	79.0	77.3	75.7	74.5	72.6						
F	DIST FROM SOURCE: 1757 METERS															
	75.5	80.1	85.5	87.7	90.2	92.5	90.4	85.0	78.3	72.4	69.5	73.6	77.0	78.5	88.2	97.9
	80.6	82.5	82.4	78.7	75.5	71.2	69.7	65.5	68.7							
G	DIST FROM SOURCE: 2087 METERS															
	73.7	78.7	83.3	84.8	86.0	86.7	85.2	81.8	76.2	73.4	69.4	74.4	77.5	79.2	87.1	94.3
	81.0	81.5	80.0	78.1	74.1	70.1	67.3	60.0								
I	DIST FROM SOURCE: 2377 METERS															
	74.6	78.6	83.1	84.3	85.7	85.9	83.5	80.2	78.2	73.5	75.6	80.1	83.7	83.2	89.0	94.8
	83.2	82.5	81.4	79.0	75.7	72.6										
J	DIST FROM SOURCE: 2377 METERS															
	79.3	84.4	89.3	90.1	91.3	93.2	91.3	88.6	90.5	87.4	80.7	89.9	91.0	90.9	94.6	101.6
	88.9	87.5	85.5	82.0	78.7	74.5	69.7									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-134  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 EVENT: NUMBER 134  
 DATE 10 SEP 80  
 MICROPHONE: ARRAY 04

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.7	104.1	106.7	110.1	114.1	117.9	120.5	123.2	125.5	124.7	121.0	116.6	116.6	114.5	124.0	131.6
	112.7	111.7	110.7	111.9	112.1	110.0	110.1	110.3	110.1	108.4	108.0	104.3	105.4			
S	DIST FROM SOURCE: 75 METERS															
	98.5	103.8	107.1	110.2	114.4	117.6	120.4	123.8	126.9	126.4	122.8	118.1	117.1	113.6	121.7	132.4
	106.9	99.5	96.6	95.3	97.8	98.7	99.7	102.2	103.5	100.8	100.3	98.2	98.7			
T	DIST FROM SOURCE: 75 METERS															
	99.0	104.3	106.3	110.0	113.8	118.2	120.7	122.5	123.3	122.0	117.8	114.3	115.9	115.3	125.4	130.8
	115.1	114.6	113.6	114.9	115.0	112.9	112.9	113.0	112.6	111.0	110.6	106.8	107.9			
A	DIST FROM SOURCE: 134 METERS															
	92.6	97.6	101.3	103.9	107.0	112.5	115.4	117.3	117.9	114.0	107.2	100.5	98.0	96.9	111.5	123.3
	98.0	98.1	98.1	97.9	98.0	97.9	97.4	96.2	94.6	93.8	90.4	88.1	84.4			
B	DIST FROM SOURCE: 238 METERS															
	84.8	90.9	95.2	97.8	101.1	106.0	108.4	109.6	108.6	103.4	94.0	86.1	86.6	87.8	101.9	115.1
	88.5	88.3	89.2	89.1	88.9	88.2	87.6	85.7	85.0	81.0	77.4					
C	DIST FROM SOURCE: 423 METERS															
	79.8	84.9	89.1	91.7	94.8	99.6	101.6	101.5	96.1	80.2	73.9	75.8	77.3	91.8	106.9	
	78.0	79.3	80.6	80.5	80.9	81.1										
D	DIST FROM SOURCE: 753 METERS															
	73.7	79.9	84.1	86.2	89.1	93.4	95.0	94.6	90.1	77.1	64.5	65.7	68.5	69.5	84.3	100.4
	70.4	70.6	71.9	70.8	70.6	69.5	67.6	64.4								
E	DIST FROM SOURCE: 1255 METERS															
	72.5	75.6	77.2	79.4	83.0	83.9	83.2	78.4	68.9	59.2	60.1	61.9	63.1	74.0	89.7	
	63.4	63.5	63.2	61.8	60.6	57.9	54.3									
F	DIST FROM SOURCE: 1757 METERS															
	57.2	57.3	57.4	56.0	53.8	50.6	73.4	70.2	67.5	58.4	53.4	52.5	53.8	55.9	65.5	79.9
G	DIST FROM SOURCE: 2079 METERS															
	58.6	59.2	70.3	68.9	67.4	67.9	65.0	84.6								
	53.6	54.1	52.8													
H	DIST FROM SOURCE: 2273 METERS															
	68.6	70.4	68.4	68.9	65.4											
	52.1															
I	DIST FROM SOURCE: 2377 METERS															
	65.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-135

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 135 ) ARRAY 03 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 10 SEP 80 ) )  
 ) ) )  
 ) ) )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OBSPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
	97.1	102.5	106.0	109.1	112.9	116.8	120.0	122.9	124.9	124.2	122.0	118.1	121.7	120.0	126.2	132.2
	118.2	117.1	115.5	113.7	112.3	110.0	110.0	110.3	110.1	108.0	107.3	104.0	104.2			
S	DIST FROM SOURCE: 66 METERS															
	97.0	102.4	106.0	109.3	113.0	116.5	120.2	123.6	126.1	125.4	122.7	117.6	120.5	118.8	123.6	132.2
	114.9	110.5	106.6	102.7	103.7	104.1	104.6	106.1	107.2	104.6	104.4	101.8	101.4			
T	DIST FROM SOURCE: 66 METERS															
	97.3	102.5	106.0	108.8	112.8	117.0	119.9	122.1	123.4	122.7	121.1	118.6	122.6	120.9	127.7	132.3
	120.0	119.6	118.3	116.5	115.0	112.4	112.3	111.9	109.9	109.0	105.5	105.9				
A	DIST FROM SOURCE: 134 METERS															
	89.4	95.0	98.3	101.0	104.4	109.1	112.0	114.1	115.1	112.7	108.4	101.8	100.0	97.7	112.1	121.0
	98.4	99.6	100.7	100.8	100.6	101.1	99.1	98.2	97.6	97.2	95.7	93.7	91.0			
B	DIST FROM SOURCE: 238 METERS															
	86.0	90.9	94.6	96.6	99.2	103.9	105.8	107.3	107.3	104.7	98.8	92.0	89.4	85.4	100.4	113.6
	85.1	85.7	86.2	85.0	84.1	83.5	81.8	80.9	78.8	77.0						
C	DIST FROM SOURCE: 431 METERS															
	80.0	85.6	90.0	92.3	94.7	98.7	100.3	100.3	98.6	94.2	88.8	81.0	79.7	79.7	93.3	106.7
	80.6	81.2	81.8	81.7	80.6	79.6	78.2	75.5	72.9							
D	DIST FROM SOURCE: 753 METERS															
	73.5	78.4	83.5	86.4	89.0	93.7	94.2	94.3	89.1	75.5	71.2	70.5	72.8	72.9	85.5	100.1
	73.9	74.6	75.5	75.1	74.1	72.0	69.4	66.0								
E	DIST FROM SOURCE: 1255 METERS															
	70.9	74.9	78.7	80.6	83.0	87.2	86.6	84.5	79.8	70.5	65.9	67.5	69.4	69.3	79.0	92.7
	69.9	70.6	70.3	69.4	67.4	64.6	60.8	55.2								
F	DIST FROM SOURCE: 1757 METERS															
	68.4	73.9	77.6	78.8	81.4	85.2	83.3	80.4	76.4	71.2	64.3	63.7	67.4	69.5	78.6	90.4
	71.3	71.5	71.6	69.7	66.9	63.0	56.4									
G	DIST FROM SOURCE: 2087 METERS															
	66.3	70.6	75.1	76.1	76.6	80.0	79.4	76.8	68.6	61.4	57.5	61.3	65.0	65.5	74.1	86.1
	66.3	67.0	67.9	65.3	61.7	57.0										
I	DIST FROM SOURCE: 2377 METERS															
	64.5	70.9	74.7	76.1	77.3	80.7	79.3	75.5	70.7	62.4	58.2	59.3	63.0	64.7	73.0	86.2
	66.2	66.6	65.9	63.3	59.4	52.8										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-136  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 136)  
 SOUND SOURCE: C-135A (DATE 10 SEP 80)  
 LOCATION 02 MT AGL 1.5 M (ARRAY 04)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	150	200	250	315	400	500	AL (DBA)	OASPL (DB)		
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																	
	DIST FROM SOURCE: 75 METERS																	
	96.1	101.7	105.1	107.7	111.5	115.7	117.9	120.9	122.6	121.9	119.3	113.9	115.2	113.5	121.2	129.1		
	OVERALL SAMPLE DURATION: 30 SEC																	
	111.7	109.8	108.1	108.8	109.0	106.7	106.6	107.5	107.5								118.9	129.6
S	DIST FROM SOURCE: 75 METERS																	
	96.1	101.6	105.6	107.9	111.8	115.4	117.9	121.5	123.9	123.2	120.8	114.2	114.7	111.9	123.1	128.6		
	107.1	101.2	97.7	93.5	92.8	91.8	92.2	93.8	95.6								110.2	122.0
	OVERALL SAMPLE DURATION: 30 SEC																	
T	DIST FROM SOURCE: 75 METERS																	
	96.1	101.7	104.5	107.6	111.1	115.9	117.9	120.3	120.7	119.9	117.2	113.5	115.7	114.7	123.1	128.6		
	113.8	112.5	110.9	111.7	111.9	109.6	109.6	110.4	110.3	109.4	108.5	104.3	105.3					
	OVERALL SAMPLE DURATION: 30 SEC																	
A	DIST FROM SOURCE: 134 METERS																	
	91.1	96.3	100.7	102.8	105.7	111.3	113.6	116.0	116.2	112.8	107.3	103.7	102.7	99.7	110.2	122.0		
	98.5	97.3	96.1	95.2	94.8	94.5	93.9	92.8	90.9	90.0	86.4	84.3						
	OVERALL SAMPLE DURATION: 30 SEC																	
B	DIST FROM SOURCE: 238 METERS																	
	82.3	88.3	93.2	94.4	97.0	101.8	103.1	105.0	104.4	100.7	93.9	88.3	87.0	84.9	97.4	110.9		
	83.9	83.4	83.1	82.4	81.3	80.5	79.2	77.9	76.2								84.2	99.4
	OVERALL SAMPLE DURATION: 22 SEC																	
C	DIST FROM SOURCE: 423 METERS																	
	76.7	81.0	85.4	86.0	87.8	92.4	92.9	93.6	89.8	84.3	75.4	72.3	72.7					
	72.9	73.5	74.2	74.0	72.9											84.2	99.4	
	OVERALL SAMPLE DURATION: 30 SEC																	
E	DIST FROM SOURCE: 1255 METERS																	
	67.1	72.2	77.2	77.4	78.7	81.2	74.8	74.0	71.1	68.6	64.8	64.4	66.4	65.9	74.3	86.5		
	66.3	67.2	66.3	65.2	63.2	60.1	56.1										84.2	99.4
	OVERALL SAMPLE DURATION: 30 SEC																	
F	DIST FROM SOURCE: 1757 METERS																	
	61.6	66.2	70.8	71.8	71.4	73.0	70.2	67.4	67.2	61.3	58.6	58.3	59.2	58.8	66.6	79.7		
	59.3	58.9	58.4	56.6	53.9	50.0											84.2	99.4
	OVERALL SAMPLE DURATION: 30 SEC																	
G	DIST FROM SOURCE: 2079 METERS																	
	59.9	64.2	68.7	66.7	67.4	67.2	64.8	66.1	66.2	62.8	58.8	59.1	59.4	58.9	65.0	76.4		
	58.3	57.2	56.0	53.7	50.1	45.6											84.2	99.4
	OVERALL SAMPLE DURATION: 30 SEC																	
H	DIST FROM SOURCE: 2273 METERS																	
	60.2	64.7	65.4	64.6	66.1	66.4	64.7	65.5	60.6	56.7	56.7	57.5	58.4					
	58.0	57.1	56.1	53.7	50.2	45.6											84.2	99.4
	OVERALL SAMPLE DURATION: 30 SEC																	
I	DIST FROM SOURCE: 2377 METERS																	
	62.5	65.3	64.4	65.4	64.3	64.3	64.8	65.1								61.5	72.8	
	56.1	55.1	53.7	51.3	48.0											61.5	72.8	
	OVERALL SAMPLE DURATION: 30 SEC																	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY																
IDENTIFICATION:																
OMEGA 12.2																
TEST RA-103-137																
DATE 05 FEB 87																
PAGE F1																
STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:																
SOUND SOURCE: C-135A ( NUMBER 137 ) ARRAY 03																
LOCATION 01 HT AGL 1.5 M ( DATE 10 SEP 80 )																
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	96.8	102.9	106.6	109.4	113.1	117.0	119.9	122.6	124.5	124.4	122.1	118.0	121.2	120.2	126.3	132.2
	118.2	117.4	115.8	114.3	113.1	110.5	110.4	110.6	110.4	107.8	107.6	104.4	104.5			
S	DIST FROM SOURCE: 66 METERS															
	96.8	102.9	106.6	109.6	113.3	116.7	120.0	123.4	125.7	125.5	122.9	117.7	120.0	118.5	123.5	132.1
	114.3	109.4	104.8	102.1	104.2	105.0	105.7	107.4	107.8	104.0	103.2	101.7	100.9			
T	DIST FROM SOURCE: 66 METERS															
	96.8	103.0	106.5	109.2	112.9	117.3	119.7	121.7	122.7	122.8	121.2	118.3	122.2	121.4	128.0	132.3
	120.3	120.1	118.7	117.1	115.8	112.9	112.7	112.7	112.0	109.8	109.7	105.0	106.4			
A	DIST FROM SOURCE: 134 METERS															
	89.2	95.6	99.4	102.0	105.3	109.8	112.1	114.2	114.9	112.8	107.7	99.3	98.2	99.3	114.4	121.3
	100.6	101.8	103.2	104.0	104.0	105.1	103.2	102.3	100.5	101.3	95.9	94.9	92.7			
B	DIST FROM SOURCE: 238 METERS															
	85.8	91.5	95.8	97.9	101.2	105.8	107.7	109.2	108.4	105.4	97.3	98.0	86.5	87.1	103.7	115.1
	88.2	89.1	90.8	91.9	92.5	92.4	91.2	90.2	88.5	86.1	80.3	77.3				
C	DIST FROM SOURCE: 431 METERS															
	80.3	86.9	91.8	94.1	97.5	101.4	102.5	102.3	98.4	91.5	85.1	78.6	82.5	84.9	97.6	108.6
	86.0	86.9	88.1	88.7	87.9	86.5	85.1	82.0	78.7	75.9						
D	DIST FROM SOURCE: 753 METERS															
	74.6	80.4	85.4	88.6	92.1	96.7	98.1	98.3	93.1	81.3	73.8	76.2	82.6	86.5	97.9	104.6
	88.8	90.1	89.9	89.9	88.5	86.3	84.2	81.2	78.5	76.2						
E	DIST FROM SOURCE: 1255 METERS															
	72.3	76.5	81.6	84.5	87.7	90.9	89.8	87.8	81.3	72.4	70.1	71.9	76.5	76.4	87.8	96.7
	77.8	79.8	81.5	80.2	78.0	74.7	70.9	65.8	63.0							
G	DIST FROM SOURCE: 2087 METERS															
	65.2	70.9	76.4	79.0	81.0	83.0	82.1	81.0	73.5	63.4	60.9	65.0	69.7	71.8	78.8	89.4
	72.1	72.3	71.4	69.5	66.2	63.1										
I	DIST FROM SOURCE: 2377 METERS															
	65.6	71.2	76.3	79.4	82.3	84.7	82.7	80.8	75.1	68.3	63.5	63.2	65.7	68.9	76.5	90.0
	69.8	69.9	68.4	66.3	63.1	58.3	51.6									



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 138 ) IDENTIFICATION: OMEGA 12.2  
 SOUND SOURCE: C-135A ( DATE: 10 SEP 80 ) TEST AA-104-138  
 LOCATION 02 MT AGL 1.5 M ( MICROPHONE: ARRAY 04 ) DATE 05 FEB 87  
 ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	96.7	101.9	105.4	108.4	111.6	116.2	118.1	120.9	122.2	121.4	119.5	114.1	115.5	114.8	120.8	129.0
	112.3	110.5	108.7	109.1	109.0	106.5										
S	DIST FROM SOURCE: 75 METERS															
	96.6	101.8	105.9	108.6	111.9	115.8	118.0	121.3	123.3	122.5	120.7	113.9	114.2	112.3	118.6	129.3
	106.8	100.7	96.7	91.6	89.9	89.0										
T	DIST FROM SOURCE: 75 METERS															
	96.8	102.0	104.9	108.3	111.3	116.5	118.2	120.4	120.7	119.9	118.0	114.4	116.6	116.3	123.4	129.0
	114.6	113.3	111.6	112.1	112.0	109.4	109.0	109.6	109.6	107.7	106.9	103.0	103.8			
A	DIST FROM SOURCE: 134 METERS															
	91.6	96.5	101.2	103.5	106.1	111.5	112.7	114.9	114.6	111.4	107.0	102.8	101.4	97.3	107.6	120.9
	93.2	90.6	87.1	86.2	85.0	83.2	82.2	80.7	80.4							
B	DIST FROM SOURCE: 238 METERS															
	83.8	89.2	93.8	95.6	98.5	103.4	104.7	106.6	105.7	101.8	96.7	90.5	88.9	85.5	98.5	112.3
	82.7	82.6	83.2	82.7	81.8	80.4	78.9	77.1	76.4							
C	DIST FROM SOURCE: 423 METERS															
	78.8	83.0	87.7	89.3	92.3	96.8	98.0	98.8	95.0	85.5	78.3	75.6	76.0	77.8	89.8	104.2
	78.2	78.8	79.5	78.4	78.1	77.8										
E	DIST FROM SOURCE: 1255 METERS															
	67.3	69.8	74.4	74.4	76.5	79.0	78.1	77.8	73.2	69.4	65.1	64.8	66.0	65.2	72.7	85.7
	64.5	64.0	63.4	61.9	60.0	57.0	53.9									
F	DIST FROM SOURCE: 1757 METERS															
	62.7	61.8	61.1	59.0	56.3	52.3										
G	DIST FROM SOURCE: 2079 METERS															
	62.4	63.9	68.0	65.4	67.4	69.5	69.7	69.9	71.3	67.3	64.1	63.9	63.9	63.3	69.7	79.1
	62.7	61.8	60.9	58.6	55.2	50.9										
H	DIST FROM SOURCE: 2273 METERS															
	60.4	64.3	66.5	65.3	64.3	67.2	69.5	70.3	69.7	65.2	62.1	62.3	62.1	62.1	68.2	77.3
	61.8	60.7	59.6	57.1	53.5	48.9										
I	DIST FROM SOURCE: 2377 METERS															
	58.0	61.6	64.2	63.5	63.4	65.6	68.0	64.2	60.7	59.9	60.1	59.5	64.4	74.1		
	58.9	57.8	56.7													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: MRIGHT-PATTERSON AFB ( EVENT: NUMBER 139 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 10 SEP 80 ) ARRAY 03 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-139  
 ( ) ) ) ) DATE 05 FEB 87  
 ( ) ) ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	97.2	102.7	106.7	109.5	113.3	116.9	120.3	123.2	125.3	124.6	121.8	119.0	122.3	119.9	126.5	132.6
	118.5	117.8	116.1	114.1	112.8	110.4	110.3	110.5	110.1	107.8	107.6	104.1	104.2			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	97.4	102.8	106.8	109.8	113.6	116.7	120.6	124.0	126.5	125.6	122.4	118.4	121.2	118.5	123.8	132.5
	115.1	111.4	108.1	104.6	104.1	103.7	105.1	106.0	103.2	102.6	99.8	99.2				
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	97.1	102.7	106.6	109.2	113.0	117.2	120.1	122.9	123.7	123.1	121.0	119.5	123.3	121.0	128.2	132.6
	120.4	120.3	118.8	116.8	115.4	112.8	112.8	112.9	112.2	110.0	109.8	106.2	106.5			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	89.9	95.5	99.5	101.8	105.2	109.8	112.9	115.0	116.1	113.4	109.0	103.2	101.6	99.4	111.8	121.7
	99.2	99.3	99.2	98.9	99.1	99.8	97.9	97.4	97.0	96.7	91.9	90.3				
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	86.6	91.1	95.7	97.3	100.4	105.2	107.5	109.3	109.5	105.9	99.2	92.1	89.7	88.6	102.9	115.4
	89.7	91.2	91.3	88.9	88.0	88.0	86.8	85.9	84.0	81.2						
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	80.3	85.3	90.3	92.0	95.0	99.4	100.3	99.7	97.8	94.6	87.6	81.3	83.0	83.1	94.1	106.6
	84.0	83.6	83.0	82.3	82.1	81.0	79.6	77.6	75.5							
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	74.3	78.7	83.8	86.5	89.3	94.4	95.4	95.1	89.2	73.8	66.9	68.5	72.6	73.7	86.4	100.9
	75.1	76.5	76.7	76.0	74.9	73.1	70.5	66.3								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	70.6	75.2	80.7	82.7	85.1	89.2	88.7	87.1	80.4	69.8	63.6	64.3	68.0	69.1	81.9	94.8
	71.5	72.9	73.8	74.4	72.2	68.5	64.6	57.4								
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	65.1	69.0	74.0	74.8	76.3	79.0	78.4	77.3	70.5	59.4	56.4	57.7	62.3	63.1	72.0	85.3
	63.9	64.5	64.9	62.6	60.1	56.4										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY																
STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: ) IDENTIFICATION: )																
SOUND SOURCE: C-135A ( ) NUMBER 140 ) OMEGA 12.2 )																
LOCATION 02 HT AGL 1.5 M ( ) DATE 10 SEP 80 ) TEST AA-104-140 )																
LOCATION 04 ) DATE 05 FEB 87 )																
PAGE F1 )																
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
MICROPHONE	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OASPL
LOCATION	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		(DB)	(DB)
U	DIST FROM SOURCE: 75 METERS															
	95.8	101.2	104.4	107.5	110.8	115.3	117.4	120.2	121.6	120.7	119.3	113.8	115.3	113.4	119.8	128.2
	111.6	109.9	107.7	107.2	107.1	104.7										
S	DIST FROM SOURCE: 75 METERS															
	96.4	101.0	104.9	107.5	111.0	114.8	117.0	120.4	122.4	121.5	118.9	112.7	112.9	109.6	117.1	128.2
	104.4	97.6	92.8	87.7	86.8	86.4										
T	DIST FROM SOURCE: 75 METERS															
	97.2	101.4	103.9	107.4	110.7	115.8	117.8	120.5	119.7	117.5	114.7	116.8	115.3		122.3	128.5
	114.1	112.8	110.6	110.1	110.1	107.7	107.1	107.8	105.2	104.5	100.3	100.9				
A	DIST FROM SOURCE: 134 METERS															
	91.1	95.7	99.8	102.0	104.5	110.2	111.8	113.5	113.2	110.1	105.2	102.5	101.2	96.4	106.8	119.7
	93.2	90.7	90.6	88.6	87.8	86.7	84.9	83.5	81.6	81.7						
B	DIST FROM SOURCE: 238 METERS															
	83.4	88.2	92.8	94.4	96.8	102.0	103.1	104.6	103.0	98.8	92.8	87.7	86.0	83.0	96.2	110.3
	81.9	81.8	82.1	81.2	80.2	79.4	77.8	77.2								
C	DIST FROM SOURCE: 423 METERS															
	77.1	81.4	85.8	87.3	89.6	94.2	94.6	94.7	91.4	83.8	75.8	73.4	75.2	74.7	86.1	100.9
	74.7	74.8	74.9	73.8	73.8	73.3										
E	DIST FROM SOURCE: 1255 METERS															
	66.7	69.4	73.7	74.3	74.8	77.9	74.2	74.7	71.1	67.0	63.1	63.4	64.1	64.0	71.2	83.9
	63.6	63.4	62.4	60.9	58.8	55.6										
F	DIST FROM SOURCE: 1757 METERS															
	63.2	65.0	67.4	65.9	67.2	70.0	67.0	68.5	66.5	62.8	58.8	59.3	60.4	59.8	67.0	77.4
	60.0	59.7	59.0	56.9	54.1	50.0										
G	DIST FROM SOURCE: 2079 METERS															
	61.6	64.5	62.0	63.9	67.6	63.8	65.8	63.5	60.7	58.7	57.9				63.2	74.2
	56.3	55.8	54.9	52.7	49.2	45.0										
H	DIST FROM SOURCE: 2273 METERS															
	59.4	60.5	62.7	61.3	63.1	66.1	65.4	66.0	60.2	57.0	56.8	57.9	58.1		63.5	73.1
	57.8	56.3	55.1	52.4												
I	DIST FROM SOURCE: 2377 METERS															
	54.6	54.2	54.0	51.9	49.6	48.7	64.0	65.4							61.4	69.2
				60.1			55.8	55.5	55.2							

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-141  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 141 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 10 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	600	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	97.3	102.9	106.6	109.5	113.3	117.6	121.0	123.7	125.6	125.0	122.4	119.0	122.3	120.2	126.4	132.8
	118.6	117.4	115.1	113.1	112.0	109.8	109.9	110.4	109.9	108.0	107.4	104.0	103.9			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	97.3	103.0	106.7	109.8	113.6	117.4	121.3	124.5	126.9	126.2	123.2	118.7	121.5	119.1	124.4	133.0
	115.6	111.3	107.1	103.7	104.9	105.2	105.7	107.1	107.8	105.0	103.3	101.3	100.8			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	97.3	102.8	106.5	109.2	113.0	117.7	120.6	122.6	123.7	123.4	121.5	119.2	123.0	121.1	127.8	132.6
	120.4	119.8	117.8	115.8	114.5	112.0	112.1	112.2	111.3	109.8	109.5	105.6	105.7			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	89.8	99.7	99.7	102.1	105.6	110.6	113.5	115.4	116.4	113.7	108.0	99.3	97.5	99.4	115.3	122.4
	102.1	103.9	105.2	105.4	105.3	105.7	102.9	101.5	100.1	100.6	95.9	94.4	91.7			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	86.7	91.3	96.0	97.8	101.3	106.2	108.3	109.9	109.4	106.0	97.6	87.8	86.5	87.8	106.2	115.9
	90.5	91.8	94.1	95.2	95.4	96.1	94.9	94.1	93.9	90.5	86.8	84.4	82.0			
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	80.9	86.8	91.7	93.6	96.9	101.2	102.6	102.0	98.0	91.6	84.7	76.2	79.2	81.1	95.4	108.2
	83.0	84.2	84.6	84.9	85.3	84.2	82.6	80.1	78.2	74.4						
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	75.3	81.1	86.5	89.5	92.9	97.5	98.9	98.8	93.1	78.7	72.8	73.6	77.7	78.7	91.5	104.4
	80.5	82.5	83.1	81.7	80.6	78.6	76.3	72.5	68.7							
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	70.0	75.2	80.4	82.7	85.9	89.7	89.6	88.5	83.5	73.3	66.6	67.6	70.6	70.0	81.0	95.6
	70.1	71.5	71.9	70.6	69.5	66.4	62.6	57.1								
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	63.1	68.5	73.3	74.8	76.2	78.6	76.8	75.5	70.3	62.4	57.4	60.1	63.9	64.1	73.3	84.7
	65.2	66.4	66.8	65.0	60.7	56.8										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	63.3	70.1	75.2	76.4	77.6	80.2	77.8	76.6	72.8	64.2	59.4	60.5	64.0	64.0	72.6	86.0
	67.4	68.7	64.4													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 142 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 10 SEP 80 ) ) TEST AA-104-142 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F.1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 75 METERS																
	95.8	101.0	103.5	106.4	111.5	114.1	117.5	119.9	121.7	120.7	117.7	114.7	115.0	112.1	119.7	128.1	
	OVERALL SAMPLE DURATION: 28 SEC																
	110.3	108.2	107.1	108.5	108.6	105.9											
S	DIST FROM SOURCE: 75 METERS																
	95.6	100.9	104.0	106.5	111.7	113.8	117.2	120.2	122.6	121.6	118.5	114.2	113.3	109.5	117.3	128.2	
	OVERALL SAMPLE DURATION: 28 SEC																
	104.9	98.5	95.4	91.7	89.6	88.2											
T	DIST FROM SOURCE: 75 METERS																
	96.1	101.0	102.9	106.2	111.3	114.5	117.8	119.7	120.6	119.6	116.6	115.2	116.2	113.7	122.3	128.2	
	OVERALL SAMPLE DURATION: 28 SEC																
	112.6	111.0	110.0	111.5	111.6	108.8	108.5	109.0	109.1	106.9	107.0	102.3	103.1				
A	DIST FROM SOURCE: 134 METERS																
	91.0	96.6	100.0	102.3	106.2	110.1	113.2	114.7	114.8	111.4	106.0	104.1	101.4	96.2	107.6	120.8	
	OVERALL SAMPLE DURATION: 28 SEC																
	92.9	90.3	88.5	89.0	88.3	85.9											
B	DIST FROM SOURCE: 238 METERS																
	82.8	89.2	93.0	95.1	98.4	102.7	105.4	106.6	105.9	101.3	94.9	91.3	88.9	85.9	98.4	112.4	
	OVERALL SAMPLE DURATION: 29 SEC																
	83.8	83.6	83.5	82.7	82.0	80.8	79.1										
C	DIST FROM SOURCE: 423 METERS																
	77.9	83.7	87.2	88.7	92.1	96.2	98.3	97.7	94.0	84.3	76.0	75.3	75.2	88.1	103.6		
	OVERALL SAMPLE DURATION: 22 SEC																
	74.9	75.3	76.1	75.7	75.2	74.5											
E	DIST FROM SOURCE: 1255 METERS																
	67.1	72.1	75.5	77.5	80.0	83.4	82.8	81.4	76.1	68.9	63.5	64.4	65.1	64.2	73.4	89.2	
	OVERALL SAMPLE DURATION: 28 SEC																
	63.5	63.5	62.9	61.7	59.8	56.7											
F	DIST FROM SOURCE: 1757 METERS																
	66.5	68.3	69.5	71.8	73.6	72.0	68.8	65.5	60.7	58.4	58.9	58.6	57.9	65.4	79.6		
	OVERALL SAMPLE DURATION: 29 SEC																
	57.8	57.2	56.5	54.4	51.3	47.4											
G	DIST FROM SOURCE: 2079 METERS																
	64.6	66.7	66.9	67.5	70.1	68.0	68.1	66.9	62.7	60.0	60.1	60.2	59.2	65.9	77.3		
	OVERALL SAMPLE DURATION: 28 SEC																
	59.0	58.3	56.9	54.6	51.1	46.5											
M	DIST FROM SOURCE: 2273 METERS																
	64.3	65.6	63.5	64.5	67.0	67.4	66.6	60.2	55.7	57.2	56.9	56.5	62.8	74.5			
	OVERALL SAMPLE DURATION: 28 SEC																
	56.2	55.1	54.1	51.7	47.8												
I	DIST FROM SOURCE: 2377 METERS																
	58.7	61.3	64.1	63.1	64.3	65.4	65.1	56.1	59.4	54.9	60.1	71.4					
	OVERALL SAMPLE DURATION: 29 SEC																
	54.1	52.7	51.9	50.1													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-143  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		126.4	132.6
DIST FROM SOURCE: 66 METERS																
	97.2	102.8	106.5	109.1	113.5	116.8	120.6	123.3	125.1	124.8	122.2	118.6	121.9	120.4		
	110.2	117.6	115.7	113.6	112.4	110.1	110.1	110.5	110.4	108.3	107.3	104.5	104.3			
OVERALL SAMPLE DURATION: 30 SEC																
S	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	97.3	102.9	106.7	109.5	113.9	116.7	121.0	124.2	126.4	126.1	123.1	118.3	121.0	119.1	124.2	132.7
	114.7	110.6	107.0	104.0	105.2	105.8	106.2	107.7	108.7	105.6	103.9	102.1	101.6			
OVERALL SAMPLE DURATION: 30 SEC																
T	OVERALL SAMPLE DURATION: 30 SEC															
	97.0	102.7	106.4	108.8	113.1	117.0	120.2	122.2	123.1	121.2	118.8	122.7	121.4		127.9	132.4
	120.1	120.1	118.4	116.3	114.9	112.3	112.2	112.2	111.6	110.0	109.2	106.0	105.9			
OVERALL SAMPLE DURATION: 30 SEC																
A	OVERALL SAMPLE DURATION: 30 SEC															
	89.8	95.8	99.7	102.0	106.0	110.3	113.4	115.4	116.0	113.9	108.8	101.2	100.3	100.9	115.9	122.5
	102.5	103.7	104.9	105.7	105.6	106.3	104.3	103.3	101.9	101.3	97.3	95.8	92.6			
OVERALL SAMPLE DURATION: 31 SEC																
B	OVERALL SAMPLE DURATION: 31 SEC															
	86.5	91.8	96.3	98.0	101.5	106.0	108.3	109.6	109.3	106.3	97.6	88.8	88.3	90.5	108.3	116.1
	93.3	95.5	97.5	97.8	98.4	99.0	97.7	96.2	94.1	92.0	87.1	83.9	82.4			
OVERALL SAMPLE DURATION: 30 SEC																
C	OVERALL SAMPLE DURATION: 30 SEC															
	81.1	86.7	91.6	94.0	97.6	101.4	102.4	101.9	98.1	93.7	88.1	80.8	82.0	82.9	95.6	108.4
	84.7	85.2	85.3	84.8	83.9	83.1	82.3	79.8	77.4	74.9						
OVERALL SAMPLE DURATION: 32 SEC																
D	OVERALL SAMPLE DURATION: 32 SEC															
	75.0	80.6	86.0	88.7	92.3	96.6	97.9	97.2	91.1	77.2	70.0	71.0	74.2	76.4	89.4	103.2
	77.9	79.1	80.3	79.7	78.4	77.0	74.6	70.4	65.4							
OVERALL SAMPLE DURATION: 30 SEC																
E	OVERALL SAMPLE DURATION: 30 SEC															
	70.6	76.0	81.2	83.1	86.9	90.4	90.3	87.7	81.3	72.3	68.3	68.3	70.1	70.9	81.5	95.9
	72.2	73.0	72.3	71.9	70.1	67.7	64.3	58.4								
OVERALL SAMPLE DURATION: 29 SEC																
G	OVERALL SAMPLE DURATION: 29 SEC															
	66.8	71.3	73.5	75.9	77.2	79.2	78.9	70.3	60.7	57.2	60.1	64.4	65.0		73.7	85.2
	65.4	66.2	66.6	65.0	62.6	57.8										
OVERALL SAMPLE DURATION: 30 SEC																
I	OVERALL SAMPLE DURATION: 30 SEC															
	62.5	66.8	70.7	73.2	74.8	75.9	76.6	76.8	70.5	63.7	59.9	60.4	63.8	64.5	72.1	89.7
	64.4	64.7	64.1	62.9	60.4	54.2										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 144 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 10 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-144 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.3	101.4	104.9	107.7	111.1	115.3	118.1	120.1	122.1	121.2	118.4	114.2	115.6	113.6	120.4	128.6
	112.0	110.5	108.6	108.4	108.4	106.0										
S	DIST FROM SOURCE: 75 METERS															
	96.0	101.3	105.4	107.9	111.4	114.9	117.9	120.5	123.2	122.3	119.4	113.9	114.1	110.6	118.0	128.8
	105.9	99.9	95.9	90.2	88.4	87.5										
T	DIST FROM SOURCE: 75 METERS															
	96.6	101.5	104.4	107.5	110.8	115.7	118.2	119.6	120.7	119.7	117.0	114.5	116.7	115.2	122.9	128.6
	114.4	113.4	111.5	111.4	111.4	109.0	108.6	109.1	109.2	106.3	102.3	103.0				
A	DIST FROM SOURCE: 134 METERS															
	91.5	96.7	101.2	103.2	105.5	111.4	113.7	114.9	115.5	112.1	106.7	104.3	102.7	98.4	108.6	121.4
	95.6	94.1	92.1	90.1	88.9	87.5	86.2	84.8								
B	DIST FROM SOURCE: 238 METERS															
	83.2	89.3	94.3	96.0	98.6	104.2	105.7	106.6	106.1	102.0	95.6	90.8	88.6	85.9	98.7	112.7
	85.0	84.5	83.5	82.1	81.1	79.7	78.8	77.1	74.4							
C	DIST FROM SOURCE: 423 METERS															
	77.5	82.7	87.8	89.2	91.2	96.3	97.2	96.8	93.6	89.0	76.4	76.8	75.2	74.7	87.2	103.1
	74.3	74.3	74.3	73.7	73.4	72.9										
E	DIST FROM SOURCE: 1255 METERS															
	65.0	68.9	74.0	75.5	76.5	81.0	80.8	78.7	74.2	67.9	62.3	61.5	61.8	61.1	71.0	86.8
	61.1	61.1	60.8	59.7	57.5	54.2										
F	DIST FROM SOURCE: 1757 METERS															
	63.8	67.6	69.5	69.7	73.1	69.9	67.6	64.1	58.6	55.8	56.2	56.6	56.3		64.2	78.4
	56.7	56.7	56.0	53.8	50.7	46.2										
G	DIST FROM SOURCE: 2079 METERS															
	62.1	65.6	66.1	68.0	71.0	69.7	67.2	65.6	60.6	56.9	56.6	56.7	55.9		63.1	77.0
	55.4	55.0	53.9	51.7	48.0											
H	DIST FROM SOURCE: 2273 METERS															
	59.7	63.1	62.2	63.6	66.9	65.5	63.7	56.0							59.9	72.7
	54.2	53.2	52.0													
I	DIST FROM SOURCE: 2377 METERS															
	58.3	62.0	60.8	62.1	64.2	64.3									54.2	
	53.3	52.7														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 145 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 16 SEP 80 ) ) TEST AA-103-145 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	150	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	99.0	104.3	108.5	110.8	114.3	118.4	121.4	123.8	125.9	125.2	122.7	118.6	121.9	120.7	126.7	133.1
	118.5	116.8	113.9	112.2	112.5	111.4	111.9	112.7	112.4	110.1	110.4	107.7	107.0			
S	DIST FROM SOURCE: 66 METERS															
	99.1	104.4	108.5	111.2	114.7	118.4	122.1	125.1	127.5	126.6	123.7	118.1	119.9	116.6	125.4	133.5
	110.1	108.9	108.6	109.5	110.9	111.3	111.6	113.2	113.3	110.8	111.5	109.3	108.1			
T	DIST FROM SOURCE: 66 METERS															
	99.0	104.1	108.1	110.4	113.9	118.5	120.6	122.0	123.3	123.0	121.4	119.1	123.3	122.8	127.7	132.6
	121.1	119.5	116.2	113.9	113.7	111.6	112.1	112.1	111.3	109.4	109.0	105.0	105.4			
A	DIST FROM SOURCE: 134 METERS															
	91.2	96.5	101.0	103.2	106.7	111.1	113.1	114.1	113.5	106.6	93.3	95.8	103.7	106.7	117.4	121.9
	109.6	111.2	111.1	107.7	103.3	106.4	101.7	99.8	97.6	97.3	93.7	91.8	88.9			
B	DIST FROM SOURCE: 238 METERS															
	88.1	92.8	98.1	99.5	102.7	106.8	107.0	106.3	102.0	88.9	82.2	89.3	97.8	101.6	111.6	115.6
	105.6	107.2	104.6	101.0	98.3	98.1	92.4	91.0	86.5	85.5	81.0	77.1				
C	DIST FROM SOURCE: 431 METERS															
	82.3	87.9	94.1	96.1	99.3	102.1	99.0	90.4	83.4	72.2	72.4	81.1	91.9	97.1	102.1	108.1
	99.2	94.6	92.9	90.6	87.0	86.6	82.2	81.3	78.1	76.3	71.4					
D	DIST FROM SOURCE: 753 METERS															
	77.1	82.6	89.2	92.1	94.7	97.2	93.0	85.7	73.5	63.1	63.0	71.9	82.5	89.4	91.6	101.9
	88.4	84.5	80.2	75.7	74.8	73.6	67.5	65.8								
E	DIST FROM SOURCE: 1255 METERS															
	72.9	77.5	83.9	85.4	86.6	86.6	81.2	71.3	65.9	58.0	56.5	63.4	72.8	78.3	80.3	92.8
	75.8	72.1	71.9	65.2	60.6	61.1	55.2									
F	DIST FROM SOURCE: 1757 METERS															
	68.5	73.4	78.0	79.5	79.1	77.1	72.6	72.0	64.9	53.7	53.3	57.5	64.3	69.8	71.7	85.7
	65.8	62.3	62.6	59.0	53.2	50.9										
G	DIST FROM SOURCE: 2087 METERS															
	66.4	70.4	75.5	76.0	75.7	75.4	69.3	57.4	53.6	49.8	51.9	55.8	61.6	65.5	67.1	82.6
	63.5	59.3	54.9	50.1												



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 146 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 16 SEP 80 ) ARRAY: 08 )  
 LOCATION 02 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-108-146 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
G	DIST FROM SOURCE: 134 METERS															
	92.5	97.9	102.0	104.1	107.7	111.8	114.8	116.2	113.9	106.6	94.4	93.7	98.9	101.2	114.9	121.9
	104.2	105.9	106.3	106.1	106.2	104.3	100.0	99.1	98.3	97.0	93.2	92.7	90.5			
	OVERALL SAMPLE DURATION: 30 SEC															
B	DIST FROM SOURCE: 238 METERS															
	86.0	91.5	95.8	98.9	102.0	106.2	107.3	107.1	102.9	87.2	78.2	84.1	90.3	92.7	108.0	114.1
	95.9	99.4	101.8	101.6	98.4	93.8	93.1	90.1	88.5	86.8	82.8	81.0				
C	DIST FROM SOURCE: 423 METERS															
	81.0	86.5	90.8	94.1	97.3	100.1	97.2	89.9	84.8	68.7	70.0	76.9	83.1	86.7	100.6	105.9
	90.6	94.7	96.4	92.1	87.0	85.0	82.4	82.0								
D	DIST FROM SOURCE: 753 METERS															
	76.5	82.8	87.3	90.4	93.2	94.8	91.5	83.5	74.1	63.7	62.2	68.7	76.0	81.5	93.8	100.6
	87.5	90.6	87.9	83.2	76.2	74.7	70.3	66.1								
E	DIST FROM SOURCE: 1255 METERS															
	73.8	79.2	83.9	86.7	89.0	89.1	84.2	73.0	71.2	61.7	59.2	64.9	71.3	77.0	86.2	95.1
	81.1	81.4	79.4	77.5	70.1	66.3	65.2	59.3								
F	DIST FROM SOURCE: 1757 METERS															
	70.7	76.9	81.7	83.5	83.7	81.2	74.5	74.2	66.5	58.8	60.5	68.6	75.8	80.0	83.6	90.8
	79.3	76.9	74.9	73.9	65.4	62.3	57.5									
G	DIST FROM SOURCE: 2079 METERS															
	69.2	76.3	79.8	81.6	81.0	78.4	72.5	70.3	68.8	63.4	61.9	66.5	70.7	79.2	83.1	89.3
	82.2	75.1	71.5	68.9	62.9	58.7										
M	DIST FROM SOURCE: 2279 METERS															
	68.9	74.1	78.8	78.6	80.4	78.6	74.6	68.9	65.9	61.6	61.9	66.2	72.4	76.8	80.1	87.5
	73.8	76.0	70.6	68.3	61.8	57.5										
I	DIST FROM SOURCE: 2377 METERS															
	67.5	72.3	76.0	77.4	79.0	78.5	74.0	70.0	68.7	61.9	62.8	66.8	72.5	73.5	78.3	86.2
	74.2	72.8	69.0	66.8	59.2	56.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 147 ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 16 SEP 80 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE: 16 SEP 80 ) TEST AA-103-147 )  
 ) MICROPHONE: )  
 ) ARRAY 03 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.8	104.6	108.4	111.0	114.4	118.6	121.6	123.8	125.7	125.5	123.1	119.0	122.4	121.4	127.4	133.3
	118.9	117.2	113.9	112.8	113.7	112.7	113.0	113.7	113.5	111.4	111.9	109.6	108.7			
S	DIST FROM SOURCE: 66 METERS															
	96.7	104.7	108.6	111.3	114.7	118.5	122.2	124.9	127.3	126.9	124.0	118.6	120.4	117.5	126.5	133.7
	111.1	109.8	109.8	111.0	112.6	113.1	113.5	114.8	115.0	112.6	113.5	111.6	110.5			
T	DIST FROM SOURCE: 66 METERS															
	98.8	104.5	108.3	110.7	114.0	118.7	120.9	122.2	123.3	123.4	121.8	119.4	123.8	123.5	128.1	132.9
	121.6	119.8	115.9	114.0	114.6	112.3	112.3	112.1	111.4	109.7	109.3	105.5	105.7			
A	DIST FROM SOURCE: 134 METERS															
	90.8	96.8	101.1	102.9	106.4	110.9	112.9	113.9	113.4	107.5	95.5	94.3	101.5	103.2	115.7	121.1
	105.4	107.5	108.9	108.3	102.4	103.0	103.0	99.1	97.9	97.4	93.4	92.2	89.5			
B	DIST FROM SOURCE: 238 METERS															
	88.1	93.2	98.3	99.5	102.8	106.6	107.5	107.2	103.8	91.6	81.8	85.0	91.9	93.2	106.5	114.1
	94.7	97.5	100.4	100.1	91.9	92.1	93.9	89.7	87.9	86.4	82.3	80.0				
C	DIST FROM SOURCE: 431 METERS															
	82.5	88.7	94.5	96.3	99.8	102.7	101.3	94.6	85.1	78.1	72.9	78.3	85.4	88.3	101.5	108.3
	92.2	95.4	96.6	90.7	85.8	90.0	85.7	85.6	82.7	82.1	76.5					
D	DIST FROM SOURCE: 753 METERS															
	77.3	83.1	89.3	91.9	94.7	97.2	94.1	87.0	75.1	66.0	67.0	71.2	77.8	79.3	92.4	102.0
	81.8	85.8	88.8	83.1	73.6	77.9	74.5	72.9	68.6	66.5						
E	DIST FROM SOURCE: 1255 METERS															
	74.6	79.8	85.8	87.0	88.3	88.1	83.6	75.0	68.0	64.2	62.2	67.6	71.8	73.3	82.3	94.5
	74.1	77.0	75.0	70.9	72.5	68.7	65.7	57.1								
F	DIST FROM SOURCE: 1757 METERS															
	70.4	76.0	81.0	82.8	82.7	82.1	78.5	73.0	64.0	60.0	58.8	64.2	70.7	73.3	83.6	90.3
	76.6	78.9	78.5	71.2	72.7	65.2	62.8	57.4								
G	DIST FROM SOURCE: 2087 METERS															
	88.2	74.0	79.1	79.9	79.9	79.2	73.2	65.7	59.1	55.0	57.9	65.1	72.4	75.5	81.4	87.9
	77.6	76.5	74.0	68.5	64.7	62.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-108-148 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 148 ) ARRAY 08 )  
 LOCATION D2 HT AGL 1.5 M ( DATE 16 SEP 80 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
G	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 134 METERS															
	92.6	97.6	101.3	102.8	107.6	111.2	115.2	116.5	114.8	108.1	96.6	95.1	98.9	100.3	113.4	121.9
	101.7	102.6	103.5	103.7	102.9	100.8	100.1	99.2	98.0	94.4	94.0	92.3				
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	85.2	91.4	95.3	97.7	101.5	105.9	107.6	106.8	102.6	87.6	77.4	84.7	89.9	92.6	107.2	113.8
	95.7	98.4	100.6	100.0	94.7	93.5	95.6	92.5	90.3	89.5	86.6	84.8	81.7			
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	80.7	86.6	90.6	92.9	96.4	100.1	98.9	91.3	84.5	69.1	69.2	76.3	81.5	83.4	100.0	105.7
	86.7	90.9	94.9	94.7	86.6	85.9	84.7	82.3	81.1	80.7						
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 25 SEC															
	76.5	83.4	87.3	89.4	92.6	94.7	92.1	83.0	75.0	64.2	63.0	70.1	76.0	80.5	95.7	100.9
	85.9	90.3	92.3	85.6	80.1	76.2	76.5	74.8	68.8	66.5						
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	73.2	79.2	83.4	85.2	87.7	88.5	84.4	73.5	70.8	62.3	60.4	65.5	69.5	71.3	83.9	94.0
	75.6	78.5	77.8	75.2	73.6	67.2	65.6	61.9								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	68.9	75.9	80.0	81.5	82.5	81.6	75.5	72.9	65.2	60.3	61.5	66.7	68.9	69.6	80.5	89.0
	73.7	76.8	74.5	68.8	66.6	61.4	58.6									
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	67.4	73.9	77.9	77.6	79.0	77.7	74.9	71.7	66.9	63.4	62.7	67.6	70.9	72.3	80.7	86.8
	71.7	74.2	73.7	73.4	71.2	64.2	60.6									
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	67.6	72.6	76.9	76.8	78.0	77.9	74.5	70.9	67.5	62.6	63.9	69.0	71.9	72.4	81.4	86.7
	74.9	76.9	73.8	72.4	70.1	61.0	57.3									
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	66.9	70.1	74.9	74.8	76.3	77.1	74.8	70.1	68.2	62.6	63.8	69.1	72.3	72.2	79.6	85.4
	73.6	75.0	71.1	70.4	66.6	58.7										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 149 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 16 SEP 80 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ( ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-109-149 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.2	104.9	108.3	111.3	114.6	119.1	121.6	123.4	125.5	125.0	122.9	118.5	121.8	120.9	126.8	133.0
	118.8	117.6	115.2	112.9	112.2	111.0	111.3	112.0	112.3	109.8	110.2	107.9	107.7			
	OVERALL SAMPLE DURATION: 30 SEC															
S	DIST FROM SOURCE: 66 METERS															
	99.2	104.9	108.5	111.7	114.9	119.0	122.1	124.5	127.0	126.4	123.8	117.9	119.4	116.3	124.8	133.2
	110.1	107.7	107.6	108.1	109.2	109.6	110.2	111.8	112.8	109.9	110.9	109.5	109.0			
	OVERALL SAMPLE DURATION: 30 SEC															
T	DIST FROM SOURCE: 66 METERS															
	99.2	104.6	108.0	110.9	114.3	119.3	120.9	122.0	123.3	123.0	121.8	119.0	123.4	123.1	128.2	132.9
	121.5	120.4	117.8	115.1	114.0	112.0	112.2	112.3	111.6	109.7	109.4	105.5	105.9			
	OVERALL SAMPLE DURATION: 30 SEC															
A	DIST FROM SOURCE: 134 METERS															
	91.9	97.1	100.9	103.1	106.7	111.0	112.9	113.8	113.4	107.4	96.9	94.3	101.2	102.8	116.2	121.2
	104.5	106.3	107.6	108.4	107.5	105.4	99.1	102.7	100.5	99.0	96.1	94.6	92.0			
	OVERALL SAMPLE DURATION: 30 SEC															
B	DIST FROM SOURCE: 238 METERS															
	88.7	93.1	97.7	99.2	102.7	106.4	107.2	106.8	104.0	91.9	82.0	85.3	91.4	92.8	109.1	114.5
	95.4	98.6	101.2	102.4	101.0	95.3	95.3	95.5	92.6	90.5	87.6	85.0	81.9			
	OVERALL SAMPLE DURATION: 30 SEC															
C	DIST FROM SOURCE: 431 METERS															
	82.7	88.2	93.3	95.5	99.2	101.9	100.6	94.0	85.7	77.8	71.0	75.3	80.9	83.1	101.6	107.6
	86.3	89.7	93.4	95.8	94.1	88.2	87.4	86.6	87.0	84.4	79.5					
	OVERALL SAMPLE DURATION: 30 SEC															
D	DIST FROM SOURCE: 753 METERS															
	77.6	83.0	88.8	91.6	94.5	97.2	94.5	87.9	78.0	65.7	65.1	70.8	73.0	74.3	89.3	101.7
	75.0	77.6	79.8	81.0	79.8	79.8	78.3	76.6	72.6	68.8						
	OVERALL SAMPLE DURATION: 29 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	74.2	79.3	84.9	87.1	89.0	89.9	86.1	78.6	71.5	63.3	61.7	66.8	71.3	72.9	82.1	95.2
	73.2	73.7	74.4	75.0	71.9	67.9	64.3	60.7								
	OVERALL SAMPLE DURATION: 30 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	69.5	75.2	79.7	81.7	83.0	83.1	80.2	74.9	64.0	59.3	56.7	61.2	66.6	69.0	77.7	89.5
	70.2	68.9	71.4	70.6	66.7	62.5	58.0	52.4								
	OVERALL SAMPLE DURATION: 30 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	66.2	71.6	76.7	78.4	79.7	80.3	75.0	64.8	59.9	52.4	55.1	60.1	65.5	68.7	77.8	86.5
	72.8	73.5	71.6	65.1	62.8	62.0										
	OVERALL SAMPLE DURATION: 30 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-108-150  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 MT AGL 1.5 M  
 EVENT: NUMBER 150  
 DATE 16 SEP 80  
 MICROPHONE: ARRAY 08

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OSPL (DB)
G	1/3 OSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 134 METERS															
	92.9	98.3	102.7	104.0	107.8	112.2	115.3	116.1	115.0	108.5	97.7	96.1	100.2	101.4	114.8	122.2
	102.9	103.7	104.5	105.5	105.6	104.9	102.4	101.2	100.3	99.1	95.6	95.3	93.9			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	85.3	92.1	96.7	98.4	101.6	106.7	107.4	106.9	103.5	91.0	77.7	82.7	88.5	89.9	107.1	113.9
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	80.6	87.0	91.9	93.5	96.5	100.7	98.8	91.9	89.4	71.1	68.9	74.5	79.6	80.5	99.6	105.8
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	76.2	83.5	88.6	90.3	92.9	95.4	92.3	83.7	77.9	67.9	64.4	70.8	76.0	76.5	92.4	100.5
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	73.0	79.9	84.8	86.1	88.2	89.6	85.2	75.5	73.1	67.4	62.0	68.5	74.5	78.2	91.7	96.4
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	70.4	77.6	82.5	83.2	83.5	82.8	76.7	75.2	68.1	60.1	60.3	67.3	72.3	75.0	83.7	90.8

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-151  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M ( EVENT: NUMBER 151 DATE 16 SEP 80 )  
 MICROPHONE: ARRAY 03

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
	99.3	104.5	108.6	111.1	114.4	118.9	121.4	123.2	125.0	124.6	122.5	118.7	121.9	121.0	126.9	132.8
	119.1	118.4	116.4	114.5	112.8	110.6	110.8	111.1	110.9	108.8	108.6	105.3	105.7			
S	DIST FROM SOURCE: 66 METERS															
	99.3	104.5	108.8	111.4	114.6	118.7	121.9	124.2	126.4	125.8	123.1	117.7	119.0	115.9	123.3	132.6
	109.9	107.1	106.2	106.3	106.9	106.7	106.8	108.2	109.0	106.5	106.3	104.4	104.8			
T	DIST FROM SOURCE: 66 METERS															
	99.4	104.5	108.5	110.8	114.1	119.1	120.9	121.9	123.0	122.9	121.8	119.5	123.6	123.2	128.8	133.1
	121.8	121.2	119.2	117.2	115.2	112.6	112.8	112.8	112.2	110.3	110.0	106.0	106.5			
A	DIST FROM SOURCE: 134 METERS															
	91.8	96.5	101.0	102.6	106.3	110.8	112.7	113.6	113.4	108.7	100.7	94.9	100.9	101.4	115.1	120.8
	102.3	103.4	104.4	104.5	104.4	105.1	103.5	103.3	102.8	103.1	99.5	98.6	96.2			
B	DIST FROM SOURCE: 238 METERS															
	88.3	92.5	97.7	98.6	102.2	106.0	107.2	107.2	104.9	96.0	84.5	84.4	90.0	90.9	104.9	113.7
	91.1	91.4	92.7	93.3	93.6	94.7	94.4	94.2	93.1	92.2	89.2	86.4	83.3			
C	DIST FROM SOURCE: 431 METERS															
	82.5	87.5	93.4	94.7	98.4	101.5	100.8	95.4	89.2	83.6	74.0	73.4	78.6	80.1	91.5	106.5
	80.3	79.3	80.0	80.2	79.2	79.1	79.2	78.9	79.0	76.7	71.1					
D	DIST FROM SOURCE: 753 METERS															
	77.1	82.1	88.3	90.6	93.8	97.0	94.9	89.2	79.0	68.4	66.3	70.6	73.4	72.9	85.1	101.4
	73.7	73.1	75.6	75.7	75.1	73.9	70.2	68.1								
E	DIST FROM SOURCE: 1255 METERS															
	72.6	77.4	83.2	84.4	87.1	88.4	84.4	77.4	70.1	62.6	60.6	63.4	68.4	68.9	79.6	93.4
	69.4	71.2	71.2	72.3	70.6	66.9	62.5	58.0								
F	DIST FROM SOURCE: 1757 METERS															
	67.2	71.6	76.6	77.7	78.9	79.4	76.9	72.3	63.1	56.6	55.0	58.3	62.5	62.0	69.5	85.6
	61.5	61.6	60.9	58.9	57.1	54.9	50.2									
G	DIST FROM SOURCE: 2087 METERS															
	65.2	68.0	72.8	73.6	74.5	75.4	71.1	63.2	56.2	50.8	52.5	55.3	59.3	58.8	65.9	81.3
	58.6	58.4	58.1	56.5	53.8	50.2										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 152 ) ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 16 SEP 80 ) ) TEST AA-108-152 )  
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	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	
MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)
DIST FROM SOURCE: 134 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		
OVERALL SAMPLE DURATION: 30 SEC	93.1	97.9	102.5	104.6	107.6	113.0	114.6	115.8	114.0	108.7	99.1	97.5	101.7	102.8	114.6
	103.6	104.1	104.2	104.9	105.3	104.6	102.4	101.8	101.0	99.4	96.3	96.0	94.5		122.0
DIST FROM SOURCE: 238 METERS	86.5	92.3	97.2	99.8	102.5	107.9	107.7	107.5	104.2	93.1	80.6	86.2	92.1	94.1	109.4
OVERALL SAMPLE DURATION: 30 SEC	95.9	97.5	99.1	99.5	100.1	100.0	99.4	98.1	95.8	94.4	90.8	89.4	86.8		115.0
DIST FROM SOURCE: 423 METERS	81.7	86.8	91.8	94.4	97.1	101.6	99.3	93.7	85.8	75.1	70.5	75.4	82.3	85.0	103.7
OVERALL SAMPLE DURATION: 30 SEC	88.5	91.1	93.8	94.7	95.3	95.1	93.3	92.0	90.7	88.9					107.6
DIST FROM SOURCE: 753 METERS	76.8	83.2	88.3	90.7	93.1	96.8	94.2	86.9	76.6	66.4	63.5	66.2	70.5	73.4	94.0
OVERALL SAMPLE DURATION: 30 SEC	76.1	78.1	82.4	85.2	87.5	87.3	82.6	77.3	71.3	73.8	67.2				101.5
DIST FROM SOURCE: 1255 METERS	73.9	79.3	84.2	86.1	87.8	90.4	86.4	77.9	69.8	62.6	59.4	63.4	66.4	68.0	87.0
OVERALL SAMPLE DURATION: 30 SEC	69.2	69.5	75.2	78.9	81.6	80.0	73.2	63.7	58.7						95.3
DIST FROM SOURCE: 1757 METERS	71.5	77.0	81.7	82.9	83.5	84.0	77.6	70.8	62.8	59.9	61.3	65.0	68.2	69.5	92.7
OVERALL SAMPLE DURATION: 30 SEC	71.3	74.6	77.9	77.3	69.8	64.3	62.8	56.0							90.6
DIST FROM SOURCE: 2079 METERS	70.8	76.4	80.6	80.2	80.6	80.1	75.1	71.6	70.1	65.6	63.2	65.8	68.9	69.1	77.9
OVERALL SAMPLE DURATION: 30 SEC	69.0	71.2	71.6	69.9	68.1	61.5	56.3								88.0
DIST FROM SOURCE: 2273 METERS	71.9	75.8	80.6	79.4	79.3	79.2	74.0	71.7	66.9	64.0	64.2	67.9	71.1	71.3	77.7
OVERALL SAMPLE DURATION: 30 SEC	69.9	69.5	70.6	69.0	67.4	63.2	55.8								87.4
DIST FROM SOURCE: 2377 METERS	71.5	74.3	79.3	78.7	78.6	78.2	73.9	69.8	67.3	63.7	64.8	68.2	71.6	71.4	76.9
OVERALL SAMPLE DURATION: 30 SEC	70.0	69.2	69.6	66.9	65.0	60.5									86.6

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 153 ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE: 16 SEP 80 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( )  
 IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-153  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	98.8	105.7	108.9	111.9	114.3	118.9	121.3	123.6	125.3	124.5	122.8	118.8	121.7	121.0	126.9	132.9
	119.2	118.3	116.6	114.7	113.1	110.8	110.8	111.0	110.5	108.5	108.0	104.2	104.5			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	98.8	105.8	109.1	112.2	114.5	118.8	121.8	124.6	126.6	125.7	123.4	117.9	118.9	116.1	123.1	132.7
	110.1	107.2	106.3	106.2	106.7	106.1	105.7	106.5	106.9	104.0	103.3	100.4	99.9			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	98.7	105.5	108.7	111.6	114.0	119.1	120.7	122.3	123.2	122.8	122.0	119.6	123.4	123.3	128.9	133.2
	121.9	121.2	119.4	117.4	115.6	113.0	113.1	113.2	112.4	110.7	110.2	106.3	106.7			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	90.4	97.4	100.9	103.2	106.1	110.2	112.0	113.4	113.4	108.8	101.2	99.8	98.4	99.7	114.1	120.4
	100.6	101.7	102.7	103.1	103.2	104.1	102.8	102.6	102.1	102.5	98.4	97.3	94.4			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	87.1	93.1	97.3	99.1	101.6	105.1	106.1	106.8	104.9	96.5	84.2	81.5	87.1	87.2	99.9	112.8
	86.2	87.0	88.1	88.7	88.5	88.3	86.4	86.2	85.3	84.5						
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	75.2	81.9	87.1	89.9	92.5	95.2	93.6	88.4	75.2	65.4	62.2	63.6	66.4	66.9	81.2	99.9
	67.2	69.3	69.6	68.3	69.4	69.4	66.0	62.7								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	71.6	78.1	83.3	85.0	86.9	88.1	84.5	77.0	67.0	62.4	59.7	61.1	63.6	63.5	73.5	93.2
	63.9	64.3	63.3	61.8	60.2	57.4	54.5									
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	67.0	73.1	77.0	79.4	80.1	79.8	77.6	73.2	63.7	59.9	56.8	58.0	59.7	59.2	67.5	86.5
	58.3	57.8	57.1	55.6	54.0	51.6										
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	64.2	69.5	74.5	76.4	77.5	77.9	73.7	67.8	59.9	57.2	54.9	55.8	58.6	58.0	65.1	83.7
	57.1	56.0	55.0	53.7	51.6	49.2										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 154 ) IDENTIFICATION: OMEGA 12.2  
 SOUND SOURCE: C-135A ( DATE: 16 SEP 80 ) TEST AA-10B-154  
 LOCATION 02 HT AGL 1.5 M ( DATE 05 FEB 87 )  
 ( ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
Q	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 134 METERS															
	92.4	97.3	101.6	103.9	107.3	111.8	114.5	115.7	114.5	108.5	98.4	95.8	99.7	100.3	113.9	121.7
	101.6	102.3	103.0	104.0	104.3	103.8	101.6	100.9	100.0	98.3	95.1	94.7	93.1			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	85.6	91.5	96.0	99.0	102.3	105.9	107.4	107.5	104.5	93.2	79.4	84.9	89.3	89.9	106.1	114.0
	90.9	92.6	94.3	95.1	96.3	96.8	96.8	95.8	93.4	91.7	86.8	84.4	81.6			
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	80.5	86.0	90.7	93.7	96.7	100.7	99.2	93.6	83.3	75.2	68.7	71.8	78.1	79.3	94.7	105.3
	81.0	82.0	83.8	84.3	85.0	85.7	84.8	82.2								
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	76.0	82.1	85.9	89.8	92.5	95.4	93.3	87.1	76.5	67.6	62.6	66.4	70.5	70.5	85.3	99.9
	71.7	71.9	73.5	74.8	77.0	77.1	73.4	69.2	66.4	62.8	56.3					
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	72.9	78.3	83.7	86.0	88.6	90.7	87.3	80.1	69.3	60.7	59.5	63.8	68.9	68.4	78.6	95.2
	63.1	69.4	70.6	68.7	66.9	66.4	62.9	59.2								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	70.6	76.8	81.6	83.9	85.1	85.4	79.2	72.1	67.3	63.4	63.4	66.2	68.4	69.9	79.8	91.2
	72.8	73.1	71.0	71.2	70.3	67.6	64.1	58.8								
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	63.8	69.5	75.0	76.1	77.3	76.5	70.7	65.1	64.6	61.5	60.3	63.4	65.0	66.3	76.4	84.0
	67.7	67.4	69.7	70.2	66.1	63.0	59.8	56.6								
H	DIST FROM SOURCE: 2279 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	68.9	74.0	77.3	78.8	80.3	80.3	75.0	71.5	69.5	65.0	64.5	69.1	71.3	71.5	81.8	97.8
	73.9	74.6	74.1	74.1	73.1	69.6	62.2	54.0								
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	67.4	73.1	76.4	76.6	78.6	78.8	74.9	72.8	69.1	65.1	64.8	68.3	71.8	71.4	81.3	86.9
	72.7	74.8	75.4	74.0	70.7	65.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-155 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 155 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 16 SEP 80 ) )  
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MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	97.8	103.2	106.7	109.9	112.9	117.4	120.3	122.8	124.8	123.8	121.2	118.1	121.9	120.4	126.9	132.3
	110.9	118.3	116.9	115.7	114.0	110.8	111.1	110.5	108.5	108.3	104.7	104.9				
S	DIST FROM SOURCE: 66 METERS															
	97.8	103.3	106.9	110.2	113.2	117.3	120.8	123.7	126.1	124.9	121.7	116.8	119.0	115.6	122.1	131.8
	110.4	106.8	105.3	104.2	104.4	103.7	102.9	103.6	103.7	100.7	100.6	97.4	97.0			
T	DIST FROM SOURCE: 66 METERS															
	97.8	103.1	106.5	109.5	112.6	117.5	119.8	121.6	122.9	122.3	120.6	119.1	123.6	122.6	129.1	132.8
	121.6	121.2	119.8	118.6	116.7	113.3	113.4	113.7	113.0	111.1	111.0	107.3	107.6			
A	DIST FROM SOURCE: 134 METERS															
	89.2	94.7	98.5	100.9	104.1	108.7	111.0	112.5	112.7	108.3	101.2	94.1	97.2	97.2	109.0	118.8
	97.8	98.3	98.5	98.1	97.0	97.3	95.1	94.6	94.3	94.0	89.9	88.2	86.1			
B	DIST FROM SOURCE: 238 METERS															
	85.8	90.0	94.3	96.0	98.8	103.2	104.3	105.2	103.7	96.6	85.0	80.3	82.9	83.0	96.8	111.1
	83.0	83.0	84.4	84.2	83.3	82.7	80.8	80.0	79.1	77.3	74.2					
C	DIST FROM SOURCE: 431 METERS															
	79.1	83.6	88.6	90.5	93.2	96.5	96.2	93.6	87.1	80.8					84.0	102.0
	73.7	74.0	72.9	71.8	70.2											
F	DIST FROM SOURCE: 1757 METERS															
	65.2	66.7	68.2			68.0	65.8	63.3	60.4	56.1	53.4	55.4	57.1	57.2	63.6	74.8
	56.5	56.0	55.7	53.7	51.6	49.1										
G	DIST FROM SOURCE: 2087 METERS															
	59.3	63.3	64.3			61.5	60.6	58.4	55.4	50.7	50.7	53.1	54.2	53.6	57.6	69.0
	52.6	51.8														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-156  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 156 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 16 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	97.3	103.5	107.5	110.0	112.6	117.4	120.0	122.3	124.1	123.6	120.9	117.9	121.2	120.3	126.8	132.0
	118.4	118.0	116.9	115.9	114.6	111.4	111.1	111.3	110.8	109.0	108.7	104.9				
S	DIST FROM SOURCE: 66 METERS															
	97.3	103.5	107.6	110.3	112.9	117.2	120.4	123.1	125.3	124.6	121.3	116.0	118.0	115.1	121.2	131.2
	109.6	105.6	103.7	102.3	102.1	101.0	99.8	100.0	99.9	96.5	96.3	94.3				
T	DIST FROM SOURCE: 66 METERS															
	97.3	103.4	107.3	109.7	112.4	117.6	119.7	121.3	122.5	122.3	120.5	118.4	123.0	122.6	129.1	132.7
	121.1	120.9	119.8	118.9	117.4	114.2	114.0	114.2	113.6	111.9	111.6	107.8	108.1			
A	DIST FROM SOURCE: 134 METERS															
	88.9	94.9	99.2	100.9	103.6	108.7	110.5	111.6	111.8	108.2	101.6	94.4	95.8	94.2	105.2	118.0
	92.9	92.5	92.0	90.9	89.7	89.5	87.4	86.9	86.9	86.3	83.1					
B	DIST FROM SOURCE: 238 METERS															
	85.5	90.3	95.3	96.1	98.8	103.1	103.7	104.3	102.9	97.3	86.8	79.4	79.7	77.3	94.5	110.5
	77.3	76.4	76.0	76.2	74.7	74.5										
C	DIST FROM SOURCE: 431 METERS															
	79.1	84.3	89.8	90.9	94.8	96.5	96.1	93.7	87.7	81.1	72.2	67.8	68.7	69.5	83.5	102.0
	69.6	69.1	68.0	67.8	67.0	65.3										
D	DIST FROM SOURCE: 753 METERS															
	72.0	77.1	82.4	83.3	85.2	87.3	86.0	83.2	74.7							
	65.9	64.0	62.9	60.7	59.3	57.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 157 ) MICROPHONE: ARRAY 04 ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 16 SEP 80 ) ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( ) ) TEST AA-104-157 )  
 ( ) ) ) ) )  
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MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	98.0	103.3	105.8	109.3	113.4	117.6	120.6	123.0	124.4	122.4	117.1	107.9	111.2	111.3	121.0	130.0
	110.5	110.7	110.3	109.9	108.7	106.6	106.6	106.0	104.8	102.7	102.3	98.3	98.8			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	97.7	103.0	107.2	109.5	113.4	117.2	121.1	124.2	126.3	124.6	119.7	108.5	104.9	100.7	119.7	131.2
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	98.2	103.5	106.4	109.2	113.3	117.8	120.0	121.3	120.8	117.6	110.0	107.1	113.6	114.1	122.0	128.4
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	92.4	97.5	102.0	103.9	107.2	113.4	115.6	116.6	115.0	107.1	92.8	89.8	96.0	98.6	111.9	122.2
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	85.5	91.7	96.6	98.4	101.4	106.7	107.1	106.5	102.2	87.6	78.5	83.8	90.6	93.6	105.9	113.6
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	80.2	86.6	92.1	94.0	96.9	101.2	99.0	93.1	86.9	71.5	73.3	80.1	86.6	90.6	99.5	106.4
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	77.0	83.7	89.3	91.2	93.2	95.5	92.1	85.4	75.7	70.9	69.5	77.0	84.8	85.6	91.7	100.8
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	73.4	80.0	85.4	86.6	87.6	87.8	84.5	77.8	76.0	68.4	66.2	68.9	73.1	79.5	84.0	94.5
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	69.3	75.8	81.6	82.4	81.8	81.5	77.0	75.5	70.7	61.6	61.3	63.7	68.7	71.2	77.2	89.1
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	68.2	75.5	80.1	79.2	79.4	80.1	79.2	74.9	69.1	62.7	60.3	62.0	66.4	69.5	74.4	87.6
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	67.6	74.3	78.7	78.0	77.8	79.7	79.9	75.4	67.0	59.0	62.8	67.2	70.9	74.8	87.0	87.0
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	65.6	72.2	76.2	75.9	78.1	78.2	74.9	68.0	57.4	62.2	65.0	68.2	71.8	84.9	84.9	84.9

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-158  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 158 ) MICROPHONE: ARRAY 03  
 SOUND SOURCE: C-135A ( DATE: 16 SEP 80 )  
 LOCATION 01 HT AGL 1.5 M ( DATE: 16 SEP 80 )  
 LOCATION 01 HT AGL 1.5 M ( DATE: 16 SEP 80 )  
 LOCATION 01 HT AGL 1.5 M ( DATE: 16 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	97.9	103.8	106.9	109.8	113.4	117.5	120.2	122.8	124.9	124.0	121.2	117.6	121.4	120.1	126.8	132.9
	118.3	117.9	117.0	115.9	114.5	111.6	111.2	111.3	110.6	108.8	108.6	105.0				
S DIST FROM SOURCE: 66 METERS																
	97.9	103.9	107.0	110.1	113.6	117.3	120.6	123.6	126.1	125.0	121.5	116.1	118.1	114.8	121.3	131.6
	109.2	105.2	103.3	102.0	101.9	100.4	99.0	99.1	98.8	95.5	95.6	93.8				
T DIST FROM SOURCE: 66 METERS																
	97.9	103.8	106.8	109.5	113.1	117.7	119.8	121.8	123.3	122.7	120.8	118.8	123.2	122.4	129.2	132.9
	121.0	120.8	119.9	118.8	117.4	114.4	114.1	114.2	113.4	111.7	111.5	107.9	108.2			
A DIST FROM SOURCE: 134 METERS																
	89.5	95.3	98.6	100.8	104.0	108.6	110.6	112.0	112.5	108.6	102.3	95.6	96.8	95.5	106.0	118.4
	94.6	93.5	92.4	91.9	91.1	90.9	88.0	87.2	87.4	85.8	83.2					
B DIST FROM SOURCE: 238 METERS																
	85.7	90.6	94.5	95.9	98.6	103.0	103.6	104.3	103.3	97.2	87.1	79.8	79.2	78.4	94.8	110.5
	77.1	77.5	77.7	77.4	76.0	75.3	73.7	73.0								
C DIST FROM SOURCE: 431 METERS																
	79.0	84.3	88.7	90.3	92.8	96.4	95.8	93.5	88.5	81.8	72.8	65.8	68.7	69.7	83.5	101.9
	69.1	68.6	68.0	68.1	67.1	65.9										
D DIST FROM SOURCE: 753 METERS																
	73.2	76.5	80.9	82.3	84.2	87.8	86.3	83.7	75.5	62.9	59.5	62.3	65.0	64.6	74.7	92.9
	63.9	63.4	63.0	61.8	60.8	58.9										
E DIST FROM SOURCE: 1255 METERS																
	68.5	71.4	74.7	74.7	75.7	76.9	74.2	70.5	63.8	60.0	57.5	59.1	61.8	61.0	68.0	83.3
	60.3	59.8	58.8	57.5	56.0	53.7										
F DIST FROM SOURCE: 1757 METERS																
	64.0	66.2	68.0	67.3	68.2	68.5	64.2	64.2	63.3	58.1	55.1	56.6	58.7	58.1	64.0	75.9
	57.3	56.0	54.9	52.9	51.1	48.8										
G DIST FROM SOURCE: 2087 METERS																
	62.6	65.3	64.2				62.8	60.6	57.9	55.9	51.8	52.0	53.6	55.8	59.3	70.9
	53.6	52.3	51.9													

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( ( NUMBER 159 ) ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ( DATE 16 SEP 80 ) ) TEST AA-103-159 )  
 ( ( ) ) ) ) DATE 05 FEB 87 )  
 ( ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	97.4	103.0	106.9	109.2	112.8	117.2	120.1	122.3	124.3	125.5	127.1	128.5	129.7	130.8	126.8	132.1
	118.5	118.2	117.2	116.1	114.6	111.5	111.0	111.0	110.8	108.5	108.1					
S	DIST FROM SOURCE: 66 METERS															
	97.0	102.9	107.0	109.5	113.0	116.9	120.4	123.1	125.4	125.4	124.5	121.5	116.4	118.4	115.4	121.3
	109.9	106.0	104.1	102.2	101.7	100.9	99.6	99.4	98.8	99.3	94.9					
T	DIST FROM SOURCE: 66 METERS															
	121.2	121.1	120.1	119.0	117.5	114.3	113.9	113.9	113.6	111.4	111.0	107.4	107.9		129.2	132.8
	OVERALL SAMPLE DURATION: 32 SEC															
A	DIST FROM SOURCE: 134 METERS															
	88.9	94.3	98.4	100.1	103.3	108.2	110.5	111.6	111.9	107.9	101.5	94.6	96.1	95.9	106.5	118.0
	95.9	95.7	95.5	94.3	93.0	92.8	89.9	88.6	88.3	87.2	84.1	82.8				
	OVERALL SAMPLE DURATION: 32 SEC															
B	DIST FROM SOURCE: 238 METERS															
	84.9	89.7	94.3	95.3	98.0	102.7	103.6	104.6	103.3	96.8	86.7	79.8	81.7	81.5	95.6	110.5
	81.3	80.8	81.2	80.4	79.8	79.4	77.6	77.0	76.9	75.2						
	OVERALL SAMPLE DURATION: 32 SEC															
C	DIST FROM SOURCE: 431 METERS															
	78.0	82.9	88.1	89.0	91.7	95.4	95.0	92.5	86.9	81.3	71.8	67.6	70.1	70.0	83.4	100.9
	70.2	70.5	70.7	70.5	69.2	68.3	66.5									
	OVERALL SAMPLE DURATION: 31 SEC															
D	DIST FROM SOURCE: 753 METERS															
	72.5	74.8	79.4	80.0	81.5	84.9	83.2	80.4	72.3	60.1	57.7	59.8	62.5	62.3	72.0	90.1
	61.9	61.4	61.1	60.7	58.7	56.7										
	OVERALL SAMPLE DURATION: 31 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	59.0	58.4	57.0	55.6	54.1	51.8	70.5	65.8	62.7	58.6	56.1	57.9	60.5	59.6	66.1	79.5
	OVERALL SAMPLE DURATION: 31 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	54.9	53.9	52.8	51.3	49.1	47.2	64.7	63.2	60.5	55.0	52.9	55.1	56.3	55.7	61.7	68.6
	OVERALL SAMPLE DURATION: 31 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	52.3	51.2					61.2	58.7	54.7	50.0	51.2	53.2	55.0	53.8	58.1	67.5
	OVERALL SAMPLE DURATION: 31 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-133A ( NUMBER 160 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 16 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-160 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.0	102.9	106.7	108.9	112.5	116.9	120.1	122.6	124.2	123.5	120.5	118.2	121.9	120.2	126.9	132.1
	118.9	118.4	117.3	116.0	114.5	111.1	110.7	110.8	110.6	108.3	107.9	104.4	104.7			
S	DIST FROM SOURCE: 66 METERS															
	97.6	102.9	106.8	109.2	112.7	116.7	120.4	123.4	125.4	124.5	120.9	116.6	118.8	115.4	121.5	131.3
	110.3	106.6	104.8	103.4	103.2	102.1	100.9	101.0	100.4	96.9	96.9	94.2	94.4			
T	DIST FROM SOURCE: 66 METERS															
	98.4	102.9	106.7	108.6	112.3	117.1	119.8	121.6	122.6	122.2	120.0	119.4	123.7	122.4	129.2	132.8
	121.6	121.3	120.2	118.9	117.3	113.8	113.5	113.6	113.4	111.1	110.7	107.2	107.5			
A	DIST FROM SOURCE: 134 METERS															
	89.0	94.4	98.4	99.9	103.3	108.2	110.7	112.0	112.1	108.1	101.3	95.2	96.2	95.0	106.0	118.1
	94.6	93.8	93.4	92.4	91.8	91.9	89.5	88.7	88.5	87.6	83.8	83.0				
B	DIST FROM SOURCE: 238 METERS															
	85.1	89.6	94.3	95.1	97.8	102.6	103.7	104.3	102.9	97.0	86.3	79.2	79.6	78.1	94.7	110.3
	77.1	77.2	78.0	77.5	77.0	76.9	74.9	74.2	72.5							
C	DIST FROM SOURCE: 431 METERS															
	78.3	83.1	88.5	89.3	91.7	95.8	95.5	93.3	87.6	80.4					82.7	101.3
	70.0	68.9	67.9													
D	DIST FROM SOURCE: 753 METERS															
	72.5	75.5	80.4	81.6	83.5	87.5	86.2	83.9	75.9	62.5	59.5	62.1	65.2	64.9	75.2	92.6
	64.7	64.6	64.4	63.4	62.1	60.2										
E	DIST FROM SOURCE: 1259 METERS															
	60.1	59.9	58.8	57.5	56.1	53.5	72.9	69.0	64.1	58.5	56.7	59.5	61.3	61.0	67.8	82.1
	74.2	73.0	74.1	76.7												
F	DIST FROM SOURCE: 1757 METERS															
	56.3	55.3	54.1	52.2	50.6	47.8	67.7	64.0	62.0	56.2	53.4	56.1	58.1	57.1	62.9	71.4
G	DIST FROM SOURCE: 2087 METERS															
	65.1						52.4	52.1	54.0	56.0	54.9					
	53.4	52.5														

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-161  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 161 ) ARRAY 04  
 LOCATION 02 HT AGL 1.5 M ( DATE 16 SEP 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	98.6	103.8	107.0	109.9	113.3	117.7	120.3	122.8	124.1	122.3	117.3	107.1	109.8	110.4	120.7	129.9
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 25 SEC															
	98.4	103.7	107.5	110.0	113.4	117.4	120.9	124.1	126.0	124.6	119.8	107.9	103.0	99.3	119.4	131.1
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 26 SEC															
	98.9	104.0	106.5	109.7	113.2	118.0	119.6	121.0	120.4	117.4	110.1	106.1	112.3	113.3	121.7	128.1
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 25 SEC															
	93.1	97.9	102.4	104.3	106.9	113.0	114.8	116.2	114.6	106.4	91.7	89.3	96.3	99.2	110.6	121.6
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 24 SEC															
	86.6	92.4	97.4	99.6	102.0	107.1	106.6	106.3	101.7	88.1	81.0	84.1	89.9	92.3	104.6	113.3
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 24 SEC															
	81.6	87.8	93.2	95.7	97.9	101.1	98.6	93.4	86.8	73.0	75.4	82.5	88.8	91.7	98.7	106.5
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 25 SEC															
	78.4	84.9	90.3	92.4	93.8	95.5	92.0	86.5	77.3	69.3	69.2	75.2	82.3	84.4	91.9	101.2
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 24 SEC															
	75.3	80.9	86.0	87.6	88.2	88.2	84.3	77.6	73.3	68.3	65.1	71.7	76.9	77.6	84.3	95.1
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 24 SEC															
	72.5	78.2	83.5	84.3	82.5	80.4	72.5	76.8	73.4	61.5	64.5	70.9	73.1	73.2	78.2	90.3
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	69.8	76.1	81.1	80.7	79.8	79.1	74.7	68.5	68.7	62.1	60.2	63.5	66.4	67.1	72.3	87.4
M	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	68.2	74.1	78.8	78.4	78.2	79.2	77.7	72.2	65.3	59.2	58.5	62.7	64.8	65.1	71.3	86.3
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	66.4	72.7	77.2	77.1	78.4	78.4	77.3	73.0	65.8	57.5	63.8	65.6	65.5	65.2	70.3	85.2



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT: NUMBER 162		MICROPHONE: ARRAY 04		IDENTIFICATION: OMEGA 12.2	
SOUND SOURCE: C-135A		DATE: 16 SEP 80		DATE: 05 FEB 87		TEST AA-104-162	
LOCATION 02 HT AGL 1.5 M				PAGE F1			
<p>MICROPHONE LOCATION U</p> <p>25 31.5 40 50 60 80 100 125 160 200 250 315 400 500</p> <p>630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K</p> <p>DIST FROM SOURCE: 75 METERS</p> <p>98.3 104.0 106.7 109.9 113.4 118.2 120.1 122.4 123.9 122.2 117.6 107.6 110.3 110.5</p> <p>110.2 110.0 109.7 109.7 109.0 105.5 105.8 105.5 104.5 102.4 101.7 98.2 98.5</p>							
<p>S</p> <p>DIST FROM SOURCE: 75 METERS</p> <p>98.0 103.8 107.1 110.1 113.6 118.0 120.8 123.6 125.8 124.4 120.1 108.6 104.1 100.1</p> <p>96.6 95.4 97.8 99.9 103.3 104.4 104.2 102.9 99.7 98.3 97.6 95.7 95.9</p> <p>OVERALL SAMPLE DURATION: 30 SEC</p> <p>AL (DBA) 120.6 129.7</p> <p>OASPL (DB) 119.1 130.9</p>							
<p>T</p> <p>DIST FROM SOURCE: 75 METERS</p> <p>98.5 104.2 106.2 109.7 113.3 118.4 119.4 120.6 120.3 117.6 111.0 106.4 112.8 113.3</p> <p>113.1 112.9 112.6 112.4 110.3 106.3 106.9 107.1 106.7 104.5 103.7 99.8 100.1</p> <p>OVERALL SAMPLE DURATION: 30 SEC</p>							
<p>A</p> <p>DIST FROM SOURCE: 134 METERS</p> <p>92.9 98.3 102.2 105.0 107.5 114.0 115.0 116.1 114.5 106.5 92.3 91.0 97.7 100.1</p> <p>101.6 103.2 104.3 103.5 100.8 99.1 97.9 97.0 96.4 94.7 92.2 90.1 86.6</p> <p>OVERALL SAMPLE DURATION: 30 SEC</p>							
<p>B</p> <p>DIST FROM SOURCE: 238 METERS</p> <p>86.3 92.8 97.2 100.0 102.5 107.6 106.9 106.5 101.5 87.3 79.7 85.8 93.2 96.7</p> <p>99.4 100.8 99.7 95.3 94.1 92.3 90.4 87.7 86.3</p> <p>OVERALL SAMPLE DURATION: 29 SEC</p>							
<p>C</p> <p>DIST FROM SOURCE: 423 METERS</p> <p>82.3 88.6 93.3 96.1 98.2 101.0 97.8 92.6 85.7 73.7 76.4 82.8 91.1 95.1</p> <p>96.3 94.5 93.1 88.9 86.7 85.1 82.8 80.6</p> <p>OVERALL SAMPLE DURATION: 29 SEC</p>							
<p>D</p> <p>DIST FROM SOURCE: 753 METERS</p> <p>78.5 85.3 90.2 93.0 94.3 96.0 92.2 86.8 76.8 71.7 70.4 78.1 85.4 86.2</p> <p>87.3 88.0 85.9 79.9 79.2 76.6 72.8 68.8 64.3</p> <p>OVERALL SAMPLE DURATION: 30 SEC</p>							
<p>E</p> <p>DIST FROM SOURCE: 1255 METERS</p> <p>75.5 81.5 86.2 88.5 89.0 89.0 84.7 78.3 75.6 67.5 64.9 59.8 75.8 77.6</p> <p>77.6 76.4 73.9 69.2 68.5 64.8 60.9 56.1</p> <p>OVERALL SAMPLE DURATION: 29 SEC</p>							
<p>F</p> <p>DIST FROM SOURCE: 1757 METERS</p> <p>71.9 78.2 83.3 84.8 83.4 81.4 75.1 74.9 72.3 65.5 67.3 72.5 75.2 75.3</p> <p>74.0 71.3 68.3 64.3 62.5 57.6</p> <p>OVERALL SAMPLE DURATION: 29 SEC</p>							
<p>G</p> <p>DIST FROM SOURCE: 2079 METERS</p> <p>71.4 77.8 81.9 81.9 81.5 81.4 79.2 74.7 72.3 67.2 63.1 67.9 71.8 74.7</p> <p>73.3 68.5 64.4 62.3 58.0 54.2</p> <p>OVERALL SAMPLE DURATION: 30 SEC</p>							
<p>H</p> <p>DIST FROM SOURCE: 2273 METERS</p> <p>69.2 75.8 79.3 79.0 79.1 80.7 79.8 75.2 70.1 63.1 58.8 62.4 66.5 68.9</p> <p>67.9 66.7 63.8 58.5 56.1 51.6</p> <p>OVERALL SAMPLE DURATION: 30 SEC</p>							
<p>I</p> <p>DIST FROM SOURCE: 2377 METERS</p> <p>67.7 74.2 77.1 77.2 78.1 79.2 78.6 75.0 69.8 57.9 61.7 65.2 66.9</p> <p>66.1 64.1 60.2 55.7 48.8</p> <p>OVERALL SAMPLE DURATION: 29 SEC</p>							

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION )  
 SOUND SOURCE: C-135A ( LOCATION 02 HT AGL 1.5 M ( NUMBER 163 DATE 16 SEP 80 ) ARRAY 04 ) OMEGA 12.2 )  
 TEST AA-104-1 )  
 ) DATE 05 FEB 8 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DI)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.1	103.4	106.8	110.0	113.4	117.6	120.3	122.8	123.9	122.5	118.1	107.6	110.3	111.2	120.9	129.
	110.6	110.7	110.2	109.9	108.4	106.3	106.3	105.7	104.6	102.3	102.1	98.4	98.7			
S	DIST FROM SOURCE: 75 METERS															
	97.8	103.2	107.3	110.1	113.6	117.4	120.8	124.0	125.8	124.8	120.7	108.8	104.4	100.7	119.8	131.
	97.1	96.8	99.8	101.7	105.2	106.6	106.2	104.5	101.3	99.7	100.0	96.8	96.8			
T	DIST FROM SOURCE: 75 METERS															
	98.4	103.6	106.4	109.8	113.2	117.8	119.6	121.1	120.3	117.6	111.1	106.0	112.8	114.0	121.8	128.
	113.5	113.6	113.0	112.5	110.2	105.9	106.5	106.6	106.5	104.0	103.5	99.5	100.1			
A	DIST FROM SOURCE: 134 METERS															
	92.3	97.8	102.2	104.6	107.3	113.1	115.1	116.4	114.6	106.7	92.6	89.2	96.8	99.2	111.8	121.
	100.3	102.8	104.5	103.7	99.3	96.8	96.6	95.1	93.3	92.4						
B	DIST FROM SOURCE: 238 METERS															
	85.9	92.3	97.2	99.5	102.1	106.7	106.9	106.7	102.0	87.7	79.6	85.8	92.8	95.2	105.8	113.
	97.5	99.3	99.9	96.5	92.4	91.2	89.9	88.0	87.5	85.7	81.4					
C	DIST FROM SOURCE: 423 METERS															
	82.2	88.0	93.4	95.7	98.2	100.4	97.6	93.2	87.4	74.4	76.5	83.5	92.3	95.7	101.4	107.
	96.6	95.8	93.8	89.1	87.5	86.7	84.6	83.6								
D	DIST FROM SOURCE: 753 METERS															
	79.6	86.1	91.4	93.3	94.5	94.8	92.0	88.0	81.5	77.4	76.5	81.5	88.1	89.2	95.1	102.
	90.0	89.9	87.2	82.0	80.2	78.5	75.8	72.9	69.2	68.4						
E	DIST FROM SOURCE: 1255 METERS															
	77.0	82.1	87.0	87.8	87.5	87.7	85.7	78.9	82.4	75.6	70.6	73.3	80.4	81.8	87.6	95.
	82.4	82.4	80.3	74.6	72.2	69.5										
F	DIST FROM SOURCE: 1757 METERS															
	74.6	81.0	85.1	84.5	81.3	78.9	74.9	78.5	76.1	70.1	68.8	70.6	77.6	78.5	81.0	91.
	75.6	74.1	69.9	66.4	64.4	59.5										
G	DIST FROM SOURCE: 2079 METERS															
	73.1	78.9	82.9	81.1	80.8	80.6	79.8	77.9	77.4	73.0	65.4	69.6	75.1	75.6	79.1	90.
	74.6	72.1	67.8	63.9	60.9	56.7										
H	DIST FROM SOURCE: 2273 METERS															
	72.4	78.0	81.4	79.6	81.0	82.1	81.9	79.0	73.6	66.9	63.6	67.9	72.6	73.4	77.1	89.
	72.3	69.3	65.4	62.3	59.9	57.2										
I	DIST FROM SOURCE: 2377 METERS															
	70.3	76.3	79.4	77.9	80.1	81.0	81.5	78.8	75.3	66.2	61.8	65.4	71.1	70.4	74.7	88.
	69.8	66.5	61.8	58.7	55.8	51.4										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-165  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ARRAY 03  
 SOUND SOURCE: C-135A ( NUMBER 165 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 17 SEP 80 )  
 ( C-135 IDLE ON RAMP )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)					
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K								
	DIST FROM SOURCE: 66 METERS																				
	102.2	107.4	111.5	113.5	117.7	121.7	124.9	127.8	129.4	128.9	126.0	124.1	127.6	126.2	132.5	137.5					
	125.3	123.8	122.6	121.2	120.0	116.8	116.4	116.5	114.3	113.6	109.4	109.7									
S	DIST FROM SOURCE: 66 METERS																				
	101.8	107.2	111.3	113.5	117.5	121.1	124.6	126.0	130.1	129.6	126.1	122.8	126.7	125.4	129.4	136.9					
	123.8	120.3	116.9	107.8	102.9	104.3	103.2	104.0	104.4	100.9	100.4	98.7	98.9								
T	DIST FROM SOURCE: 66 METERS																				
	102.5	107.6	111.6	113.5	117.8	122.2	125.1	127.4	128.6	128.0	125.8	125.1	128.4	126.9	134.3	138.1					
	126.3	125.7	124.9	124.1	123.0	119.7	118.9	119.2	119.4	117.3	116.5	112.3	112.5								
A	DIST FROM SOURCE: 134 METERS																				
	88.4	93.6	97.9	99.3	103.0	107.5	110.1	112.0	113.0	110.5	105.6	101.3	98.1	94.0	107.5	118.7					
	93.8	94.2	94.7	94.2	93.1	93.5	91.6	91.0	90.1	89.6	86.9	85.1									
B	DIST FROM SOURCE: 238 METERS																				
	83.8	88.1	92.7	93.4	96.4	100.8	102.4	104.0	103.8	100.2	92.9	86.1	81.3	80.3	96.3	110.0					
	80.6	80.8	81.2	81.2	80.5	79.9	78.5	77.8	76.1	75.0											
C	DIST FROM SOURCE: 431 METERS																				
	75.7	80.1	84.6	84.8	87.4	90.6	90.9	90.4	87.2	81.8	75.2	69.5	70.2	70.4	82.3	97.4					
	70.8	70.7	70.4	70.1	69.3	68.1	66.6	64.5													
D	DIST FROM SOURCE: 753 METERS																				
	71.4	75.0	74.4	74.9	77.0	75.5	74.8	72.7	66.5	63.0	63.9	65.5	65.6								
	65.1	64.9	64.3	63.3	62.2	60.5	58.3														
G	DIST FROM SOURCE: 2087 METERS																				
	OVERALL SAMPLE DURATION: 37 SEC															58.9	55.5	51.0	48.7	50.0	49.2



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT: NUMBER 167		MICROPHONE: ARRAY O4		IDENTIFICATION: OMEGA 12.2											
SOUND SOURCE: C-135A		DATE: 17 SEP 80		DATE: 05 FEB 87		TEST AA-104-167											
LOCATION 02 HT AGL 1.5 M				PAGE F1													
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																	
MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
DIST FROM SOURCE:	75 METERS																
	97.6	102.2	105.6	108.7	112.5	117.0	119.8	122.6	124.8	124.6	121.6	114.7	115.6	110.6	122.6	131.0	
	107.6	109.4	109.5	110.2	109.5	108.0	109.5	109.6	107.9	106.2	106.5	103.6	103.8				
S	DIST FROM SOURCE: 75 METERS																
	97.0	101.8	105.9	108.8	112.5	116.6	120.1	123.6	126.6	124.0	117.0	117.6	110.7	122.7	132.4		
	98.0	93.6	95.2	98.6	104.9	108.2	110.0	109.2	105.5	104.1	104.9	102.6	102.7				
T	DIST FROM SOURCE: 75 METERS																
	98.1	102.5	105.2	108.6	112.4	117.4	119.5	121.3	121.9	120.7	115.9	109.0	111.9	110.4	122.5	128.9	
	110.6	112.4	112.4	113.0	111.7	107.7	108.9	110.0	109.4	107.6	107.7	104.3	104.7				
A	DIST FROM SOURCE: 134 METERS																
	93.2	97.1	101.6	104.0	107.4	113.6	116.5	118.3	118.3	113.0	103.3	90.9	94.4	96.6	112.5	123.9	
	99.1	101.9	103.8	103.2	99.2	97.6	97.4	95.6	93.5	91.0	89.1	85.9					
B	DIST FROM SOURCE: 238 METERS																
	86.2	91.5	96.6	99.1	102.6	108.6	110.6	111.7	109.2	99.6	87.4	86.8	92.8	96.7	109.2	117.3	
	100.2	102.4	102.3	98.1	98.5	96.5	95.0	93.0	92.6	93.6							
C	DIST FROM SOURCE: 423 METERS																
	80.9	86.2	91.7	94.6	98.1	103.3	103.2	101.1	98.2	86.7	78.6	84.9	91.3	93.5	100.9	109.4	
	93.2	94.6	94.4	89.4	88.9	87.1	84.9	83.2									
D	DIST FROM SOURCE: 753 METERS																
	79.4	85.8	91.3	93.6	96.1	99.0	98.6	95.9	89.3	81.5	76.4	82.7	86.8	91.1	96.2	105.3	
	91.4	90.8	86.3	84.3	82.2	79.3	76.0	72.8	68.8								
E	DIST FROM SOURCE: 1255 METERS																
	78.7	84.6	89.6	90.5	91.2	93.0	92.5	87.7	89.5	83.7	74.6	79.0	83.8	84.6	90.4	100.3	
	85.7	83.9	80.7	77.8	76.3	73.3	69.9	65.5									
F	DIST FROM SOURCE: 1757 METERS																
	77.0	82.0	86.0	85.6	87.3	85.5	87.9	89.7	89.5	79.2	75.0	80.8	84.2	83.8	87.9	97.3	
	82.9	78.7	76.3	75.0	71.9	68.5	64.3	57.4									
G	DIST FROM SOURCE: 2079 METERS																
	76.0	80.5	83.0	84.5	86.6	84.8	87.2	87.1	85.6	81.0	72.0	74.4	79.0	80.4	84.1	95.2	
	78.9	75.4	72.2	70.9	67.1	63.3	59.8										
H	DIST FROM SOURCE: 2273 METERS																
	75.4	78.8	81.4	83.0	84.5	86.4	87.8	85.8	84.3	75.9	68.2	73.0	76.7	77.1	81.8	94.4	
	76.3	73.1	70.1	67.7	64.6	60.1											
I	DIST FROM SOURCE: 2377 METERS																
	72.7	77.0	79.5	81.8	82.1	85.5	86.7	85.7	83.4	76.4	68.6	72.4	75.1	76.0	80.3	93.2	
	74.4	71.2	67.3	64.9	62.1	58.2											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 168 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-168 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	97.5	102.2	105.5	108.7	112.4	115.4	119.4	122.4	124.8	124.1	121.2	114.3	114.9	109.7	122.1	130.6
	107.8	109.1	109.5	109.2	108.5	109.0	109.0	108.3	106.6	105.9	104.9	102.6	101.7			
S	DIST FROM SOURCE: 75 METERS															
	97.5	102.5	105.8	109.0	112.6	115.3	120.0	123.7	126.6	126.3	129.8	116.8	116.9	109.3	122.4	132.2
	97.6	93.9	95.5	99.4	105.6	108.9	109.7	108.1	104.3	105.1	101.5	101.8	96.2			
T	DIST FROM SOURCE: 75 METERS															
	97.4	102.0	105.2	108.3	112.3	115.6	118.6	120.8	121.4	119.4	114.6	107.7	110.9	110.0	121.8	128.1
	110.6	112.1	112.4	112.0	110.2	109.1	108.1	108.5	108.1	106.5	106.8	103.3	104.1			
A	DIST FROM SOURCE: 134 METERS															
	93.4	97.7	101.9	104.4	108.0	113.5	116.6	118.7	118.2	112.7	102.3	92.6	97.6	99.9	113.1	124.1
	101.9	103.7	104.4	102.3	99.6	99.3	98.3	96.4	95.1	94.3	91.3	89.3	85.8			
B	DIST FROM SOURCE: 238 METERS															
	85.6	91.8	96.6	99.3	102.8	108.0	110.0	111.3	107.9	98.3	86.5	87.6	92.4	95.4	106.2	116.4
	98.6	99.6	97.5	95.3	95.2	92.3	90.9	89.2								
C	DIST FROM SOURCE: 423 METERS															
	80.8	86.8	92.3	95.6	99.2	103.8	104.2	102.8	99.0	87.0	77.6	84.2	90.3	93.7	99.7	110.1
	92.6	92.4	90.9	88.6	88.4	85.5	83.5	80.5								
D	DIST FROM SOURCE: 753 METERS															
	77.8	84.7	90.0	93.0	96.1	98.8	98.5	95.8	89.2	80.3	74.1	79.3	84.5	87.9	93.9	104.7
	88.5	87.7	85.1	82.0	80.7	78.4	75.4	72.1	67.3							
E	DIST FROM SOURCE: 1255 METERS															
	77.4	83.8	88.9	90.7	92.2	93.2	93.1	89.7	86.2	80.6	72.2	75.2	79.0	81.3	87.4	100.1
	82.6	80.4	76.8	75.6	74.6	70.6	66.6	63.9								
F	DIST FROM SOURCE: 1757 METERS															
	75.4	81.7	86.5	86.7	85.6	84.6	83.5	85.8	84.7	77.3	71.2	75.6	79.5	80.4	84.4	95.0
	79.3	76.2	73.3	72.6	69.2	65.7	60.8	54.6								
G	DIST FROM SOURCE: 2079 METERS															
	75.0	80.6	82.8	81.4	83.2	83.3	85.2	84.7	81.4	76.1	69.9	71.4	75.9	76.7	81.0	92.8
	75.3	72.7	70.2	68.7	65.9	62.3	57.4	52.1								
H	DIST FROM SOURCE: 2273 METERS															
	74.9	79.5	80.7	79.0	83.4	84.2	86.7	86.6	82.9	73.5	68.3	73.8	77.7	76.6	81.2	93.3
	74.8	71.7	69.3	68.3	64.8	61.0										
I	DIST FROM SOURCE: 2377 METERS															
	72.1	77.3	78.1	77.1	82.2	83.5	86.4	86.4	84.2	74.7	68.0	73.4	76.5	76.4	80.6	92.8
	74.5	70.4	67.9	65.9	62.3	58.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY																
STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )																
SOUND SOURCE: C-135A ( NUMBER 169 ) ARRAY 04 )																
LOCATION 02 HT AGL 1.5 M ( DATE 17 SEP 80 ) )																
IDENTIFICATION: )																
) OMEGA 12.2 )																
) TEST RA-104-169 )																
) DATE 05 FEB 87 )																
) PAGE F1 )																
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
MICROPHONE	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OASPL
LOCATION	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		(DB)	(DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC															
	97.5	102.6	105.9	108.5	111.7	115.7	119.4	122.2	125.0	124.3	121.4	113.9	114.3	109.3	122.1	130.7
	108.2	109.5	109.9	109.3	108.5	109.1	108.8	108.0	106.5	106.1	105.0	102.7	102.0			
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC															
	97.6	102.8	106.2	108.8	111.8	115.6	120.0	123.4	126.9	126.5	124.0	116.5	116.3	108.2	122.3	132.3
	97.4	94.0	96.0	100.1	106.0	108.9	109.2	107.5	103.0	105.2	100.8	101.5	96.3			
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC															
	97.4	102.4	105.7	108.2	111.6	115.9	118.7	120.5	121.6	119.4	114.5	106.9	110.3	110.1	121.9	128.2
	111.1	112.5	112.8	112.0	110.1	109.3	108.4	108.5	108.3	106.8	107.1	103.7	104.4			
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC															
	92.9	97.7	102.1	104.1	107.2	113.8	116.5	118.3	118.3	112.6	101.9	92.1	96.8	99.1	112.2	123.9
	100.7	102.3	103.1	101.2	98.2	97.6	96.4	94.9	93.1	90.2	88.1	84.5				
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC															
	85.3	91.7	96.8	99.1	102.3	108.5	110.1	110.8	108.1	99.1	87.7	88.7	94.7	98.2	107.4	116.6
	99.9	99.7	98.0	96.8	96.9	94.4	93.6	91.7	91.2							
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 30 SEC															
	81.0	87.4	92.8	95.4	98.5	103.6	103.2	101.7	98.7	87.0	78.6	85.2	92.2	93.8	100.7	109.7
	95.2	94.7	91.7	89.3	88.4	85.5	82.9	80.3								
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC															
	78.7	85.1	91.7	93.8	95.5	98.9	99.0	95.0	91.3	81.0	76.2	79.3	88.5	91.2	96.3	105.3
	91.8	90.1	86.5	84.8	83.2	79.9	76.7	73.1	68.3							
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC															
	78.6	84.9	89.7	90.2	91.2	94.5	93.1	88.2	87.0	80.8	72.8	75.7	81.2	84.1	89.0	100.4
	84.9	82.5	78.4	76.7	74.5	70.9	66.9	63.7								
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC															
	74.5	80.8	85.5	85.2	85.0	84.5	82.5	85.1	85.4	76.6	69.6	73.6	78.6	79.3	83.4	94.2
	78.3	75.8	72.3	69.9	68.0	63.6	59.0	54.1								
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 30 SEC															
	74.7	80.1	83.3	82.9	83.1	84.4	85.2	85.6	84.2	79.1	69.9	71.2	77.3	77.7	81.6	93.6
	75.6	71.9	69.9	68.3	64.2	60.4										
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC															
	74.4	78.6	81.3	80.7	81.8	84.7	86.1	84.2	82.5	73.6	65.6	69.9	74.5	74.7	79.4	92.5
	73.7	70.7	67.6	65.1	62.1	57.9										
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC															
	71.3	76.6	78.7	78.7	80.1	83.3	84.8	83.7	82.3	73.3	64.7	68.5	73.2	74.0	78.1	91.3
	72.2	69.0	65.9	63.3												



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( DATE 17 SEP 80 ) ARRAY 03 )  
 LOCATION 01 ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-170 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	103.3	108.2	111.7	114.2	117.7	122.1	124.6	127.0	128.6	127.4	123.7	126.0	125.2		131.6	137.0
	123.6	122.4	121.4	120.5	119.5	116.5	115.8	116.1	116.0	114.0						
S																
DIST FROM SOURCE: 66 METERS																
	103.0	108.0	111.5	114.2	117.5	121.3	124.2	127.1	129.2	129.1	127.3	122.2	124.0	123.2	127.4	136.0
	120.4	116.9	113.6	105.3	98.0	98.6	96.8	97.5	97.5	95.6						
T																
DIST FROM SOURCE: 66 METERS																
	103.5	108.4	111.9	114.2	117.8	122.8	124.9	126.9	128.0	128.0	127.6	124.9	127.4	126.6	133.8	137.8
	125.4	124.7	124.0	123.5	122.5	119.5	118.7	119.1	119.0	116.9	116.5	112.0	112.7			
A																
DIST FROM SOURCE: 134 METERS																
	89.1	94.3	98.0	100.0	103.4	107.6	109.6	111.5	112.7	110.6	107.3	101.8	99.4	95.1	106.3	118.6
	92.3	90.1	89.0	87.2	85.3	85.0	82.7	81.6	80.9	80.6						
B																
DIST FROM SOURCE: 238 METERS																
	85.3	88.9	92.9	94.0	97.1	100.7	102.4	103.8	103.6	100.5	95.2	87.7	83.6	80.0	96.0	110.1
	79.0	78.9	78.2	77.9	76.6	76.0	74.1	73.1	71.4							
C																
DIST FROM SOURCE: 431 METERS																
	78.1	81.8	86.0	86.6	89.1	91.3	91.9	91.0	86.6	80.2	76.0	71.1	71.9	71.5	82.6	98.3
	71.7	71.0	70.8	70.3	69.2	68.0	66.3	64.0								
D																
DIST FROM SOURCE: 753 METERS																
	69.1	72.0	74.8	75.1	77.8	81.5	80.2	79.8	76.9	69.1	65.5	65.2	67.0	66.3	74.3	87.6
	66.1	65.2	64.8	63.6	62.2	60.4										
E																
DIST FROM SOURCE: 1255 METERS																
	62.7	62.0	60.9	59.4	58.0	56.0	67.7	68.4	69.9	71.4	69.9	66.8	64.2	63.5	64.1	62.8
F																
DIST FROM SOURCE: 1757 METERS																
	57.2	55.8	54.5	53.8	51.9	48.8	62.2	64.8	65.6	64.5	61.7	58.4	57.7	58.2	57.8	63.8
G																
DIST FROM SOURCE: 2087 METERS																

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-171  
 STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 SEP 80 )  
 ( EVENT: NUMBER 171 ) MICROPHONE: ARRAY 03  
 ( ) ( ) ( ) ( )  
 ( ) ( ) ( ) ( )  
 ( ) ( ) ( ) ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.6	108.3	111.9	114.9	117.9	121.9	124.9	127.2	128.5	128.0	125.9	122.9	125.9	124.6	131.0	136.5
	123.1	121.7	120.7	119.8	118.9	115.9	114.9	115.1	114.9	112.6						

S DIST FROM SOURCE: 66 METERS  
 102.5 108.1 111.7 114.9 117.7 121.1 124.5 127.3 129.0 128.4 125.6 120.9 123.9 122.6 126.9 135.6  
 120.3 116.5 113.1 104.7 98.0 99.1 97.1 98.0 100.1 97.1

T DIST FROM SOURCE: 66 METERS  
 103.2 108.6 112.1 114.9 118.1 122.6 125.3 127.1 128.0 127.5 126.2 124.3 127.3 126.0 133.1 137.4  
 124.9 124.0 123.3 122.8 121.9 118.9 117.9 118.1 117.9 115.5 115.0 110.5 111.2

A DIST FROM SOURCE: 134 METERS  
 89.0 94.9 98.8 101.2 103.9 107.8 110.2 111.9 112.4 109.7 105.8 101.5 100.1 95.8 106.1 118.5  
 93.3 91.2 89.8 87.8 86.4 86.1 84.1 83.1

B DIST FROM SOURCE: 238 METERS  
 86.0 90.4 94.8 96.3 98.6 101.9 103.8 104.8 104.2 101.1 95.1 88.9 86.2 83.9 97.0 111.1  
 82.4 80.7 80.0 79.7 78.6 77.7 76.1 75.1 74.8 73.4

C DIST FROM SOURCE: 431 METERS  
 79.6 84.7 89.6 91.2 93.9 96.3 97.6 97.2 94.5 89.0 83.9 77.0 76.3 75.6 88.4 103.9  
 75.0 75.2 75.2 74.5 73.4 72.1 70.7 68.5 67.9 66.1

D DIST FROM SOURCE: 753 METERS  
 72.5 76.6 81.0 83.9 86.4 89.1 90.2 90.1 87.1 78.1 69.9 66.8 68.3 68.7 80.6 96.4  
 68.6 68.5 68.0 66.7 65.5 63.9 61.6 59.0

E DIST FROM SOURCE: 1255 METERS  
 72.9 74.5 74.9 77.1 76.9 76.9 74.3 67.8 62.9 61.4 62.5 61.9 69.9 84.3  
 61.8 61.0 59.8 58.5 54.9

F DIST FROM SOURCE: 1757 METERS  
 55.7 54.2 53.1 52.4 51.1 48.1  
 OVERALL SAMPLE DURATION: 32 SEC

G DIST FROM SOURCE: 2087 METERS  
 59.3 55.8 51.4 50.2 50.3 52.0 50.7  
 49.7 49.7

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-172

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( ( NUMBER 172 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( ( DATE 17 SEP 80 ) ) )  
 ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS																
	94.7	98.2	101.4	104.1	109.1	110.8	115.0	118.7	120.4	117.2	116.5	113.8	109.9	108.1	120.0	126.5
	108.1	107.9	107.0	106.9	107.4	109.0	108.4	108.3	106.5	105.9	104.9	102.6	101.2			
DIST FROM SOURCE: 75 METERS																
	94.8	98.4	101.7	104.4	109.2	110.8	115.5	119.9	122.3	119.4	119.2	116.6	110.5	103.1	119.5	127.7
	98.2	95.6	97.3	100.1	105.1	107.4	108.5	108.8	104.7	105.6	102.6	102.4	96.9			
DIST FROM SOURCE: 75 METERS																
	94.6	98.0	101.0	103.7	108.9	110.9	114.5	117.1	117.1	112.3	107.8	104.8	109.3	110.3	120.5	124.7
	110.9	110.8	109.8	109.5	108.9	110.1	108.2	107.8	107.8	106.2	106.5	102.7	103.3			
DIST FROM SOURCE: 134 METERS																
	90.1	94.8	98.2	100.5	105.0	109.2	113.2	116.2	114.8	106.4	96.6	93.9	97.8	101.2	113.5	121.2
	104.4	106.0	106.0	102.0	102.0	103.0	99.5	97.8	96.7	95.0	92.1	89.5	85.8			
DIST FROM SOURCE: 238 METERS																
	82.7	89.4	93.2	96.3	101.4	104.0	107.4	108.9	104.3	91.6	82.5	90.4	96.3	100.7	110.1	115.1
	104.6	104.2	101.0	98.7	93.2	97.6	96.0	93.5			91.7	88.3				
DIST FROM SOURCE: 423 METERS																
	79.6	86.1	90.4	93.5	98.0	100.3	100.5	98.0	92.9	78.6	77.5	87.6	93.9	95.4	101.1	107.6
	94.9	94.8	91.9	88.7	90.2	88.1	86.2	84.2								
DIST FROM SOURCE: 753 METERS																
	77.4	85.3	89.3	91.9	94.2	93.0	93.9	90.2	85.2	77.6	79.2	87.9	92.1	95.7	98.4	103.5
	92.8	90.3	86.5	88.2	86.3	83.4	80.7	77.1	72.3	69.9						
DIST FROM SOURCE: 1255 METERS																
	76.7	82.5	86.2	86.7	87.6	87.3	85.4	85.1	82.2	74.4	72.4	78.9	82.2	82.2	87.4	95.9
	81.7	79.9	77.5	76.7	75.3	72.5	69.5	65.8								
DIST FROM SOURCE: 1757 METERS																
	73.2	78.1	80.5	81.6	79.3	76.0	80.5	80.7	75.7	70.9	69.2	76.2	77.7	76.7	81.7	90.0
	76.0	74.0	71.7	70.4	68.7	64.9										
DIST FROM SOURCE: 2079 METERS																
	71.4	75.1	76.7	77.7	76.7	73.9	74.9	77.7	76.1	69.3	67.9	73.0	75.7	75.4	79.6	87.2
	74.1	72.2	70.1	68.2	65.3	61.8										
DIST FROM SOURCE: 2273 METERS																
	71.7	73.6	76.4	79.8	77.9	76.4	77.9	78.6	76.1	70.2	70.6	76.5	78.5	78.4	82.0	88.8
	76.2	74.3	71.6	69.5	67.0	62.5										
DIST FROM SOURCE: 2377 METERS																
	70.0	72.2	74.8	79.4	77.5	77.2	76.4	77.8	76.2	69.5	70.3	75.9	77.8	76.5	80.1	87.9
	74.0	70.7	69.2	67.1	63.6	60.3										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-173

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 173)  
 SOUND SOURCE: C-135A (DATE 17 SEP 80)  
 LOCATION 02 HT AGL 1.5 M (MICROPHONE: ARRAY 04)  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	95.1	98.3	101.4	103.7	108.8	111.2	115.3	118.7	120.5	117.1	116.1	112.9	108.7	107.7	119.5	126.2
S	OVERALL SAMPLE DURATION: 40 SEC															
	DIST FROM SOURCE: 75 METERS															
	95.2	98.6	101.7	104.2	109.1	111.2	115.9	120.0	122.5	119.4	118.9	115.5	108.1	101.4	119.0	127.7
T	OVERALL SAMPLE DURATION: 40 SEC															
	DIST FROM SOURCE: 75 METERS															
	94.9	97.9	101.0	103.3	108.6	111.1	114.6	116.8	116.9	111.6	106.0	104.6	109.1	110.2	120.0	124.3
A	OVERALL SAMPLE DURATION: 38 SEC															
	DIST FROM SOURCE: 134 METERS															
	90.8	94.5	98.4	100.5	106.4	110.2	114.2	116.9	115.1	105.7	95.8	94.8	100.0	104.1	113.9	121.9
B	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 238 METERS															
	83.6	88.7	92.9	95.6	101.5	104.7	107.8	108.1	102.7	91.1	82.4	91.4	97.4	100.6	105.5	113.6
C	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 423 METERS															
	78.6	84.4	88.9	92.0	97.3	100.0	100.5	98.8	91.5	75.7	76.2	87.5	93.9	95.1	98.9	107.0
D	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 753 METERS															
	76.4	83.3	87.6	90.4	94.6	95.0	94.4	85.2	77.6	69.2	69.7	78.5	82.4	84.5	90.7	101.0
E	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 1255 METERS															
	75.8	81.4	85.5	86.5	88.5	84.5	80.4	80.9	73.8	72.3	78.2	82.9	83.1	87.1	95.0	
F	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 1757 METERS															
	75.9	80.3	82.3	80.7	78.1	76.8	79.2	84.0	83.3	75.5	74.4	81.5	85.3	84.0	87.4	93.1
G	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 2079 METERS															
	73.1	76.6	78.4	76.4	77.2	74.7	74.6	78.3	78.7	69.6	66.4	75.1	79.0	77.5	81.0	88.2
H	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 2273 METERS															
	71.5	74.8	75.2	73.9	77.2	75.4	74.3	75.8	73.2	65.3	66.5	73.7	77.3	76.0	79.3	86.3
I	OVERALL SAMPLE DURATION: 39 SEC															
	DIST FROM SOURCE: 2377 METERS															
	70.7	72.4	71.9	71.4	76.8	74.7	72.2	70.7	69.5	65.3	66.0	74.3	77.0	74.0	77.8	84.7

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 174 ) MICROPHONE: ) IDENTIFICATION: )  
 ( SOUND SOURCE: C-135A ( DATE: 17 SEP 80 ) ARRAY O4 ) ) OMEGA 12.2  
 ( LOCATION 02 HT AGL 1.5 M ( C-135 IDLE TAXI ) ) ) DATE 05 FEB 87  
 ( ) ) ) ) PAGE F1  
 ( ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	ORASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
		94.4	98.2	101.4	103.3	108.9	110.8	115.4	119.0	120.3	117.3	116.0	112.7	108.8	107.6	119.6	126.3
		108.0	107.8	107.3	106.7	107.1	108.4	107.7	107.9	105.7	105.4	103.8	101.6	100.2			
S	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 75 METERS	94.6	98.5	101.8	103.7	109.2	110.9	116.0	120.3	122.3	119.6	118.8	115.4	108.5	101.8	119.2	127.7
		98.6	96.2	98.1	101.1	105.4	107.4	108.2	108.6	104.0	105.5	101.1	101.5	95.9			
T	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 75 METERS	94.1	97.9	101.0	102.7	108.6	110.8	114.6	117.0	116.6	111.8	106.1	104.4	109.1	110.0	120.0	124.3
		110.8	110.7	110.0	109.0	108.4	109.2	107.1	106.9	106.9	105.3	105.5	101.7	102.3			
A	OVERALL SAMPLE DURATION: 26 SEC																
	DIST FROM SOURCE: 134 METERS	90.1	94.4	98.0	99.7	106.2	109.5	113.9	116.7	114.8	105.9	96.0	93.7	99.2	103.4	113.7	121.6
		106.9	107.5	105.3	101.9	102.8	100.4	99.0	96.0	94.1	92.6	89.3	86.3	82.4			
B	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 238 METERS	82.1	88.8	92.8	94.9	101.4	104.0	107.5	108.4	102.8	90.9	80.7	87.4	94.0	99.1	107.7	114.1
		102.0	100.8	99.2	95.9	97.5	95.1	93.1	90.9	90.3	87.8	84.5	84.4				
C	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 423 METERS	78.1	84.9	89.3	92.1	98.4	100.3	101.2	98.7	91.7	76.0	79.4	91.1	97.3	97.0	100.7	107.9
		94.2	92.8	89.6	89.2	88.0	85.4	83.4	81.6								
D	OVERALL SAMPLE DURATION: 2 SEC																
	DIST FROM SOURCE: 753 METERS	76.0	83.4	87.2	89.3	93.8	93.0	92.6	86.5	77.7	71.1	72.2	80.7	84.6	89.2	92.0	100.3
		86.8	84.5	80.4	79.6	80.1	76.6	74.0	70.3								
E	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 1255 METERS	75.7	82.9	86.5	86.9	89.2	85.7	83.7	78.8	78.8	74.6	71.0	77.8	81.2	80.9	86.3	95.4
		81.5	79.7	75.3	74.5	74.2	70.8	67.7	64.0								
G	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 2079 METERS	73.9	78.8	79.1	75.3	82.2	81.6	81.6	82.9	81.4	73.5	74.1	82.7	85.1	82.3	86.3	92.9
		79.5	75.6	76.1	73.8	69.8	66.0	61.3									
H	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 2273 METERS	72.1	76.0	75.2	75.6	82.4	80.0	79.5	82.2	78.1	68.9	72.9	78.9	81.6	80.1	83.5	90.7
		77.1	73.5	73.2	70.8	67.8	62.9										
I	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 2377 METERS	68.4	72.9	72.4	75.1	80.3	77.7	78.2	78.8	76.9	68.7	70.0	74.9	78.3	76.5	79.9	88.1
		73.7	70.0	68.3	66.5	63.4	59.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 175 ) ARRAY ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 SEP 80 ) ) TEST AA-103-175 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	102.8	108.6	112.4	114.7	118.6	122.9	125.7	127.7	129.6	129.1	126.7	123.4	126.9	126.1	131.3	137.3
	124.0	121.8	119.5	117.5	116.8	115.7	115.7	116.5	115.7	113.0	112.7	109.3	108.7			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	102.7	108.5	112.4	114.9	118.7	122.6	125.9	128.6	131.0	130.5	127.8	123.7	127.0	126.0	130.2	137.7
	122.2	114.3	105.9	109.2	112.5	114.3	115.0	116.3	115.2	111.5	111.8	108.7	107.8			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	103.0	108.7	112.4	114.5	118.5	123.2	125.4	126.7	127.6	127.0	125.3	123.0	126.7	126.1	132.2	136.9
	125.3	124.4	122.5	120.2	118.9	116.7	116.4	116.8	116.2	114.1	113.5	109.8	109.4			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	89.8	95.9	100.1	102.2	105.7	110.8	112.2	113.6	114.0	109.9	102.2	93.0	98.3	100.4	113.4	120.6
	102.7	104.4	105.6	105.0	102.9	101.2	99.1	97.7	96.9	96.3	92.4	91.8				
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	88.1	93.1	98.2	100.3	103.5	108.1	109.3	110.2	107.9	101.6	91.3	87.8	93.9	97.4	109.7	116.6
	100.3	102.5	103.2	101.1	97.4	96.7	95.6	93.0	91.0	89.2	84.8					
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	80.6	85.8	90.6	92.9	96.7	100.3	101.6	99.9	94.2	82.7	75.3	76.6	82.5	86.0	97.9	107.2
	88.4	90.3	90.9	90.3	87.3	84.9	82.6	79.9	77.5	76.1						
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	75.5	80.6	85.2	88.3	90.8	94.6	95.8	92.7	85.8	73.1	72.5	78.4	82.4	90.6	101.0	
	84.7	83.8	82.8	81.7	78.0	75.2	72.9	69.5								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	72.7	77.8	82.7	84.6	87.4	88.8	87.1	81.1	75.8	70.9	68.4	69.9	72.3	73.7	84.2	94.5
	76.7	77.7	77.5	75.8	73.2	69.5	65.2	59.7								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	70.0	75.1	78.9	80.9	82.5	83.5	82.6	77.7	73.2	68.8	64.5	66.9	71.5	74.7	80.8	90.3
	75.9	74.9	73.1	70.1	67.0	53.2	56.8									
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	65.3	71.0	75.4	77.1	78.8	78.9	76.3	72.9	66.9	60.1	62.2	63.8	67.4	68.9	74.8	85.6
	68.8	68.3	67.2	64.7	61.4	56.8										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	69.1	74.7	78.7	79.6	79.9	79.3	75.6	71.6	69.6	64.2	61.6	65.9	70.4	72.6	74.3	87.0
	71.8															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-176

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 176 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 SEP 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
DIST FROM SOURCE: 66 METERS																	
	103.7	109.0	112.5	114.8	118.6	122.6	125.1	127.6	129.3	128.7	126.4	123.0	126.5	126.0	131.4	137.1	
	124.0	122.1	120.1	118.1	117.3	116.0	115.8	116.6	115.9	113.2	113.0	109.4	109.0				
S	DIST FROM SOURCE: 66 METERS																
	103.5	108.9	112.5	115.0	118.7	122.1	125.3	128.4	130.6	130.0	127.3	123.2	126.4	125.7	129.8	137.3	
	122.0	114.3	105.6	109.0	112.3	113.8	114.5	116.1	114.9	111.3	111.7	108.4	107.4				
T	DIST FROM SOURCE: 66 METERS																
	104.0	109.1	112.6	114.7	118.5	123.0	124.9	126.6	127.5	126.8	125.2	122.9	126.6	126.3	132.5	136.9	
	125.4	124.7	123.0	120.8	119.6	117.4	116.8	117.0	116.7	114.5	114.0	110.1	110.3				
A	DIST FROM SOURCE: 134 METERS																
	90.8	96.0	100.2	102.1	105.6	110.0	111.6	113.5	114.1	110.4	103.1	92.9	97.9	100.5	114.0	120.6	
	102.6	104.4	105.9	106.2	104.2	101.5	99.9	98.9	97.9	97.3	93.2	91.9	90.8				
B	DIST FROM SOURCE: 238 METERS																
	89.6	94.1	99.0	100.8	103.7	108.1	109.2	110.3	108.5	101.6	90.5	90.2	97.4	101.2	112.6	117.6	
	103.9	106.0	106.6	103.4	100.8	100.2	97.7	95.8	93.5	92.1	87.7	87.2					
C	DIST FROM SOURCE: 431 METERS																
	82.1	87.1	92.5	94.6	98.0	101.2	101.9	99.8	94.6	88.2	79.9	80.5	88.0	91.9	101.5	108.4	
	93.8	94.2	94.4	92.9	91.0	89.1	86.6	83.5	80.7	77.6							
D	DIST FROM SOURCE: 753 METERS																
	77.5	81.9	87.1	90.5	93.2	96.5	97.1	94.3	86.9	73.2	73.6	77.2	82.6	86.3	96.1	103.3	
	88.9	90.9	90.5	86.8	82.3	79.0	76.7	73.3									
E	DIST FROM SOURCE: 1255 METERS																
	74.7	79.3	84.4	87.0	89.5	90.3	88.1	82.6	75.9	70.5	68.9	71.6	75.8	78.5	86.5	96.3	
	80.8	81.2	80.0	75.7	72.7	70.0	65.4	60.5									
F	DIST FROM SOURCE: 1757 METERS																
	72.2	76.0	80.0	82.4	83.5	83.6	81.5	78.1	73.9	69.6	66.0	65.7	70.4	72.5	80.2	90.6	
	73.6	74.0	73.2	71.2	67.9	63.9	57.5										
G	DIST FROM SOURCE: 2087 METERS																
	68.4	73.2	78.1	80.2	81.1	80.1	76.5	73.0	69.5	63.0	64.8	68.3	73.1	73.9	79.0	88.0	
	74.2	73.7	70.6	66.7	62.8	59.1											
I	DIST FROM SOURCE: 2377 METERS																
	69.4	74.2	78.1	79.5	80.0	78.0	73.2	72.0	69.4	65.0	60.7	62.5	66.8	67.9	71.2	86.3	
	68.7																

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 177 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 17 SEP 80 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-177 )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
I	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE:	66 METERS	OVERALL SAMPLE DURATION: 33 SEC													
	103.6	108.7	112.8	114.4	118.2	122.2	124.5	127.0	128.4	128.1	125.6	122.6	126.3	125.8	131.2	136.6
	123.7	122.1	120.8	119.2	117.4	115.3	115.3	116.3	115.7	112.8	112.6	109.0	108.6			
S	66 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 33 SEC														
	103.3	108.6	112.8	114.4	118.3	121.7	124.5	127.6	129.6	129.3	126.4	122.5	125.8	125.1	129.0	136.5
	121.1	113.8	104.7	106.6	109.9	111.8	113.0	115.1	114.4	110.0	110.8	107.3	106.5			
T	66 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 32 SEC														
	103.9	108.8	112.8	114.3	118.2	122.6	124.4	126.2	126.8	126.4	124.7	122.7	126.7	126.4	132.7	136.7
	125.3	124.8	123.8	122.1	120.0	117.2	116.8	117.3	116.7	114.4	113.9	110.2	110.1			
A	134 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 33 SEC														
	90.2	95.6	99.9	101.1	104.7	109.1	110.5	112.1	112.7	109.3	102.5	90.2	95.4	98.0	110.4	119.0
	99.3	100.1	101.0	101.4	100.6	99.1	96.1	95.3	93.3	89.1	89.2					
B	238 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 33 SEC														
	89.6	93.8	98.6	99.3	102.8	107.5	108.4	109.3	107.7	102.1	91.1	87.8	92.7	95.7	107.3	115.7
	96.7	98.6	98.8	98.8	96.7	95.3	93.2	91.2	87.2	82.7						
C	431 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 34 SEC														
	81.6	86.4	91.9	92.7	96.0	99.8	100.5	99.2	93.9	81.8	74.9	76.9	83.5	86.3	98.3	106.6
	88.8	90.6	91.4	90.7	87.8	85.0	84.3	80.0	77.7	74.5						
D	753 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 33 SEC														
	76.1	80.8	86.7	88.7	91.3	95.0	95.0	92.7	84.7	75.1	71.6	77.1	80.7	90.9	101.0	
	82.8	84.1	84.9	82.6	79.3	74.9	72.3	68.1								
E	1255 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 33 SEC														
	74.2	78.6	84.3	85.1	87.7	89.0	86.0	81.2	77.0	72.5	68.2	70.6	75.3	78.9	86.3	95.1
	80.5	81.4	79.5	76.2	72.0	69.5	66.4	59.5								
F	1757 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 33 SEC														
	72.2	75.5	80.4	81.6	82.8	82.8	80.3	76.2	72.0	67.6	62.2	67.2	73.5	74.6	80.9	90.1
	75.4	75.7	73.8	69.9	66.5	63.0										
G	2087 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 20 SEC														
	66.4	72.7	78.2	78.9	80.2	80.0	77.1	73.0	65.3	59.0	61.9	66.0	70.5	71.8	77.4	87.2
	72.7	72.2	69.7	65.2	60.9	57.2										
I	2377 METERS															
	DIST FROM SOURCE:	OVERALL SAMPLE DURATION: 32 SEC														
	68.6	74.2	79.1	79.4	80.5	79.1	73.9	72.1	68.9	62.5	60.5	65.1	68.8	71.1	73.4	86.9
	71.2															



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 178 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 SEP 80 ) ) TEST AA-103-178 )  
 ) ) ) ) )  
 ) ) ) ) )  
 ) ) ) ) )  
 ) ) ) ) )  
 ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	103.9	108.7	112.5	115.1	118.7	122.1	125.0	127.3	128.0	128.4	126.1	122.3	125.9	125.5	131.0	136.7
	123.4	121.7	120.2	118.6	117.4	115.3	115.3	116.1	115.5	112.4	112.5	108.8	108.6			
S	DIST FROM SOURCE: 66 METERS															
	103.7	108.6	112.5	115.2	118.7	121.6	125.1	128.0	130.0	129.6	126.8	122.1	125.4	124.8	128.9	136.7
	121.0	113.4	104.1	107.0	110.3	112.2	113.3	115.0	114.2	109.9	110.8	107.4	106.6			
T	DIST FROM SOURCE: 66 METERS															
	104.2	108.7	112.5	114.9	118.6	122.5	125.0	126.4	127.2	126.8	125.2	122.5	126.4	126.1	132.4	136.7
	124.9	124.4	123.2	121.5	119.9	117.1	116.7	117.0	116.5	114.0	113.8	109.8	109.9			
A	DIST FROM SOURCE: 134 METERS															
	90.6	96.0	100.0	102.1	105.2	109.1	111.3	112.8	113.3	109.8	102.8	90.3	96.6	99.2	111.1	119.6
	99.5	100.0	101.2	101.8	101.9	99.8	97.0	96.1	94.8	94.2	91.1	90.1				
B	DIST FROM SOURCE: 238 METERS															
	87.0	91.4	96.1	97.8	100.7	104.6	106.1	106.8	105.4	100.1	89.0	83.2	88.6	91.4	105.7	113.4
	93.1	95.2	97.3	98.4	96.8	94.3	92.5	89.9	88.2	87.0	83.5					
C	DIST FROM SOURCE: 431 METERS															
	81.5	85.5	91.4	93.3	96.7	99.9	101.1	99.7	95.2	82.0	75.1	75.7	82.3	85.4	97.1	106.9
	87.2	88.2	89.1	89.1	87.8	85.1	82.8	80.3	77.3	74.6						
D	DIST FROM SOURCE: 753 METERS															
	76.2	80.7	86.0	88.9	91.1	95.0	96.2	93.4	86.5	72.9	71.5	76.3	80.5	90.4	101.4	
	82.1	83.4	83.3	81.8	79.6	76.2	73.3	68.8								
E	DIST FROM SOURCE: 1255 METERS															
	75.4	79.3	84.9	86.5	89.0	89.9	87.5	81.4	75.7	71.7	68.1	73.0	79.9	82.5	87.8	96.3
	83.2	82.1	79.5	75.9	73.6	71.2	66.9	61.1								
F	DIST FROM SOURCE: 1757 METERS															
	71.0	75.1	79.8	81.6	82.7	82.9	81.8	76.5	70.4	65.3	59.8	64.8	70.2	73.1	80.1	90.0
	75.0	75.4	72.5	68.5	65.5	62.5	56.0									
G	DIST FROM SOURCE: 2087 METERS															
	66.9	71.9	77.1	78.4	79.1	79.1	76.7	72.3	67.3	58.5	57.7	61.6	67.2	69.9	76.4	86.4
	71.4	71.3	69.6	65.2	60.4	56.4										
I	DIST FROM SOURCE: 2377 METERS															
	69.3	73.9	78.3	79.1	79.1	77.4	75.5	72.6	68.8	61.3	57.1	61.2	66.6	68.3	71.2	86.0
	68.7						60.3									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-179  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 179 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 SEP 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	103.6	108.6	112.0	114.5	118.0	121.9	124.3	126.7	128.1	127.3	125.4	122.2	125.6	124.9	130.5	136.1
	122.9	121.1	119.8	118.3	116.9	114.8	114.8	115.8	115.0	112.5	112.3	108.7	108.7			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	103.5	108.6	112.0	114.6	118.1	121.4	124.4	127.3	129.3	128.6	126.2	122.1	125.3	124.4	128.5	136.1
	120.4	113.0	104.4	106.8	110.1	111.8	112.7	114.6	113.8	110.3	110.5	107.4	106.5			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	103.7	108.6	111.9	114.3	117.9	122.4	124.2	125.9	126.5	124.3	122.2	125.9	125.3	124.5	131.9	136.1
	124.5	123.8	122.8	121.1	119.4	116.5	116.3	116.7	116.0	114.0	113.6	109.7	110.1			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	90.6	95.7	99.2	101.3	104.5	108.7	110.2	111.7	112.1	108.5	102.2	90.6	95.5	96.9	110.0	118.5
	97.6	99.0	100.6	100.8	100.2	99.9	96.3	94.4	94.4	92.8	89.8	88.7				
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	86.9	91.1	95.3	96.8	99.9	103.9	104.8	105.6	104.3	98.5	87.3	82.4	86.9	89.9	103.0	112.1
	91.3	93.5	95.1	95.3	93.0	90.9	88.9	86.9	85.2	82.6	78.6					
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 28 SEC															
	81.4	85.8	90.6	92.3	95.4	98.8	99.4	98.5	93.9	82.3	75.3	74.5	80.0	82.3	94.2	105.4
	83.3	83.8	84.6	85.7	85.4	83.4	81.0	77.2								
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	75.9	80.2	85.3	88.2	90.4	93.9	94.1	92.4	85.1	71.9	69.7	73.7	76.2	76.2	87.8	100.0
	77.7	78.7	80.5	80.4	78.1	73.6	70.1	65.9								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	73.5	77.5	82.6	84.2	87.0	88.3	85.9	80.9	74.6	69.5	64.8	66.9	69.9	72.1	82.3	93.9
	74.4	75.5	75.5	74.3	71.8	67.5	62.9	57.6								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	69.6	73.3	76.9	78.6	80.4	81.0	79.7	75.9	68.8	62.5	58.6	60.5	63.8	66.6	75.7	87.5
	69.3	69.4	69.2	66.6	63.6	59.5										
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	67.6	73.1	78.0	79.5	81.0	81.7	78.0	75.0	67.1	58.0	60.9	64.6	68.9	70.3	76.2	87.9
	71.0	70.2	68.3	65.1	62.1	57.8										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	67.2	71.7	76.0	76.8	78.6	78.5	74.5	70.4	66.1	56.2	54.2	60.1	64.3	65.9	68.6	84.9
	66.0															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 180 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 17 SEP 80 ) ARRAY )  
 LOCATION 02 HT AGL 1.5 M ( C-135 RUN-UP ON RAMP ) O4 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )  
 ) ) ) ) IDENTIFICATION: )  
 ) ) ) ) OMEGA 12.2 )  
 ) ) ) ) TEST AA-104-180 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	DIST FROM SOURCE: 75 METERS																
	96.4	101.1	104.2	106.5	111.6	114.7	118.3	120.9	122.7	121.2	117.7	116.7	116.2	113.6	122.7	129.3	
	112.7	111.5	110.2	111.0	111.6	109.5	110.0	110.8	110.5								
S	DIST FROM SOURCE: 75 METERS																
	95.8	100.6	104.4	106.3	111.4	113.1	117.9	121.1	123.7	122.2	118.9	117.2	115.9	112.0	118.8	129.2	
	106.7	99.2	94.7	90.5	92.2	92.4	93.2	94.9	96.5								
T	DIST FROM SOURCE: 75 METERS																
	93.9	101.5	104.1	106.7	111.8	115.4	118.6	120.7	121.5	119.7	115.8	116.1	116.4	114.8	125.4	129.6	
	115.1	114.3	113.1	114.0	114.6	112.5	113.0	113.7	113.4	112.4	112.6	109.1	110.0				
A	DIST FROM SOURCE: 134 METERS																
	91.8	96.5	100.2	101.7	106.1	110.3	114.2	116.2	116.1	111.3	105.2	103.8	100.1	97.1	109.2	121.7	
	97.6	96.7	98.3	94.1	93.3	92.7	91.5	90.4	89.8	88.2	85.1	82.4					
B	DIST FROM SOURCE: 238 METERS																
	83.3	89.6	93.5	95.1	99.2	103.5	107.0	108.7	107.5	101.4	93.5	90.4	89.5	89.6	102.8	113.9	
	90.8	91.4	91.9	91.2	90.6	90.3	89.4	88.7	87.0	86.2	82.5	81.0					
C	DIST FROM SOURCE: 423 METERS																
	76.7	82.3	86.2	87.8	91.6	96.4	99.2	99.2	95.3	83.8	74.1	75.0	76.7	79.0	91.7	104.5	
	79.8	80.1	81.2	80.9	81.2	81.1	82.2										
D	DIST FROM SOURCE: 753 METERS																
	71.4	76.4	80.1	81.4	84.7	88.1	91.6	91.7	87.7	77.4	67.5	67.2	68.6	70.4	83.8	97.0	
	72.7	73.4	73.9	73.2	72.7	71.8	69.1	66.5	63.7								
E	DIST FROM SOURCE: 1255 METERS																
	OVERALL SAMPLE DURATION: 34 SEC																
G	DIST FROM SOURCE: 2079 METERS																
	OVERALL SAMPLE DURATION: 34 SEC																
H	DIST FROM SOURCE: 2273 METERS																
	OVERALL SAMPLE DURATION: 34 SEC																
I	DIST FROM SOURCE: 2377 METERS																
	OVERALL SAMPLE DURATION: 34 SEC																

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-181  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 181 ) ARRAY 04  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	95.9	101.9	104.2	107.8	112.2	116.0	118.5	121.8	123.8	122.6	118.6	116.2	116.5	113.9	123.2	130.0
	111.9	111.1	110.5	111.5	111.7	109.5	109.9	110.8	110.3	109.3						
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
S	DIST FROM SOURCE: 75 METERS															
	95.3	101.5	104.5	107.8	112.1	115.2	118.4	122.3	125.1	124.0	120.2	117.3	117.0	112.9	120.1	130.5
	106.4	99.2	96.1	92.9	94.9	95.6	96.4	99.2	101.0	99.5						
OVERALL SAMPLE DURATION: 30 SEC																
T	DIST FROM SOURCE: 75 METERS															
	96.4	102.3	104.0	107.8	112.2	116.6	118.6	121.2	122.0	120.5	115.8	114.6	115.9	114.6	125.3	129.7
	114.2	113.9	113.4	114.4	114.6	112.5	112.9	113.7	113.0	112.1	112.2	109.0	109.5			
OVERALL SAMPLE DURATION: 30 SEC																
A	DIST FROM SOURCE: 134 METERS															
	91.7	97.0	100.1	102.8	106.8	111.9	114.5	117.1	117.0	112.4	105.1	102.7	98.9	96.2	110.6	122.6
	97.7	97.9	98.7	97.4	97.2	96.8	95.6	94.2	94.3	91.8	88.8	86.8	83.5			
OVERALL SAMPLE DURATION: 30 SEC																
B	DIST FROM SOURCE: 238 METERS															
	82.9	89.6	93.0	95.6	99.5	104.3	106.4	108.7	107.7	102.0	92.3	87.2	87.1	87.5	100.8	113.9
	88.2	87.6	87.3	87.0	86.8	87.1	86.4	85.6	85.0	83.3	80.3					
OVERALL SAMPLE DURATION: 30 SEC																
C	DIST FROM SOURCE: 423 METERS															
	76.7	83.0	86.3	88.8	92.3	97.3	98.9	99.7	95.9	83.3	72.9	75.2	78.2	79.5	91.9	104.9
	80.3	80.7	81.5	81.0	81.0	80.8	81.9									
OVERALL SAMPLE DURATION: 31 SEC																
D	DIST FROM SOURCE: 753 METERS															
	71.7	77.6	80.6	82.8	86.2	90.2	92.0	92.4	88.0	76.0	64.1	65.2	68.0	70.3	84.8	97.8
	72.1	73.1	74.3	75.0	74.9	73.8	71.2	69.1								
OVERALL SAMPLE DURATION: 28 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	65.4	71.1	73.7	74.7	77.7	81.0	81.8	81.2	76.7	67.4	59.9	60.9	61.8	62.1	73.1	87.8
	63.2	63.1	63.2	62.2	61.0	58.9	55.2									
OVERALL SAMPLE DURATION: 30 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	64.4	65.8	65.9	69.0	71.3	68.4	68.2	63.7	57.5	55.3	56.7	57.6			65.5	76.7
	58.2	58.2	57.8	56.4	54.5	51.1										
OVERALL SAMPLE DURATION: 28 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	61.9	63.3	62.0	66.8											62.9	72.7
	55.8	56.2	55.8	55.1	52.5	49.8										
OVERALL SAMPLE DURATION: 30 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	59.5	61.3	62.8												62.6	71.1
	55.3	55.4	55.2	54.0	51.3											
OVERALL SAMPLE DURATION: 30 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	60.3														62.1	60.7
OVERALL SAMPLE DURATION: 30 SEC																

TABLE SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-182

STATION J. WRIGHT-PATTERSON AFB ( EVENT: NUMBER 102  
 SOUND SOURCE: C-135A ( DATE: 17 SEP 80  
 LOCATION 02 HT AGL 1.5 M (

MICROPHONE:  
 ARRAY 04

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.3	101.4	104.8	108.0	111.6	115.5	118.5	121.4	123.4	122.1	118.3	116.3	116.6	113.9	122.8	129.7
	112.0	111.2	110.3	111.1	111.3	109.2	109.7	110.8	110.5							
	OVERALL SAMPLE DURATION: 31 SEC															
S	DIST FROM SOURCE: 75 METERS															
	95.8	101.0	105.0	107.9	111.5	114.6	118.3	121.8	124.6	123.4	119.8	117.2	116.9	112.9	119.8	130.0
	106.7	99.6	96.2	92.2	93.9	94.9	96.2	96.2	99.0	102.6						
	OVERALL SAMPLE DURATION: 31 SEC															
T	DIST FROM SOURCE: 75 METERS															
	96.8	101.7	104.5	108.1	111.7	116.3	118.7	120.9	121.9	120.2	115.8	115.2	116.4	114.8	125.2	129.7
	114.3	114.0	113.3	114.1	114.3	112.1	112.7	113.6	113.1	112.3	112.4	109.3	109.8			
	OVERALL SAMPLE DURATION: 31 SEC															
A	DIST FROM SOURCE: 134 METERS															
	92.0	96.6	100.6	102.9	106.2	111.3	114.5	116.6	116.8	111.9	105.2	103.5	100.0	96.9	110.0	122.3
	97.5	96.8	98.2	95.7	95.4	95.2	94.2	93.2	94.4	91.3	88.3	86.6	85.0			
	OVERALL SAMPLE DURATION: 31 SEC															
B	DIST FROM SOURCE: 238 METERS															
	83.7	89.7	94.2	96.4	99.5	104.5	107.2	109.0	107.9	101.4	91.4	87.0	87.0	87.2	101.6	114.2
	88.6	89.3	89.6	89.1	88.7	88.3	87.6	87.3	85.9							
	OVERALL SAMPLE DURATION: 32 SEC															
C	DIST FROM SOURCE: 423 METERS															
	77.8	83.4	88.2	90.4	93.4	98.6	100.7	100.5	95.6	81.0	74.9	76.0	78.6	79.4	94.1	106.0
	81.0	83.3	84.6	84.1	83.8	83.7	83.0	81.6								
	OVERALL SAMPLE DURATION: 31 SEC															
D	DIST FROM SOURCE: 753 METERS															
	73.1	78.8	83.3	85.0	87.9	92.0	94.1	93.4	88.5	76.1	65.4	67.4	69.8	70.5	85.2	99.3
	72.9	74.2	74.9	74.5	74.1	73.6	71.4	68.6	65.7							
	OVERALL SAMPLE DURATION: 31 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	68.3	71.4	75.9	77.0	79.5	82.9	84.0	81.8	76.2	66.7	61.2	62.1	63.1	63.4	74.5	89.4
	64.7	65.0	64.7	64.1	62.8	60.9	57.1	54.5								
	OVERALL SAMPLE DURATION: 31 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	60.1	65.5	68.5	68.3	70.6	73.8	72.7	71.3	65.2	58.5	56.6	57.9	59.0	59.0	67.5	79.5
	OVERALL SAMPLE DURATION: 31 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	59.4	62.1	64.8	64.5	65.6	67.1	67.4	67.7	65.2	61.9	56.7	57.3	57.6	58.8	65.7	75.5
	58.4	58.1	57.8	56.4	53.7	50.5										
	OVERALL SAMPLE DURATION: 31 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	63.0	63.5	64.5	63.4	67.5	66.2	66.8	66.3	63.6	55.7	57.0	56.6	57.5	57.5	64.7	73.8
	57.9	57.5	56.9	55.5	53.7	51.5										
	OVERALL SAMPLE DURATION: 31 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	55.9	56.1	55.6	53.8	66.2	67.2	65.3	63.7	54.8	55.5	63.1	73.5				
	OVERALL SAMPLE DURATION: 31 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 17 SEP 80 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( NUMBER 183 ) )  
 IDENTIFICATION: ) OMEGA 12.2 )  
 TEST AA-104-183 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.5	101.6	104.6	107.5	111.7	115.4	119.0	121.5	123.6	122.1	118.6	116.0	116.2	113.1	122.8	129.8
	111.1	110.3	109.9	111.0	111.3	108.9	109.1	110.0	109.4	108.3	108.6					
S	DIST FROM SOURCE: 75 METERS															
	96.0	101.2	104.9	107.4	111.7	114.6	118.9	122.0	124.8	123.5	120.2	117.0	116.7	112.3	119.8	130.2
	106.0	98.7	95.4	92.5	94.7	95.6	96.9	99.3	101.3	99.5	100.0					
T	DIST FROM SOURCE: 75 METERS															
	96.9	101.9	104.3	107.5	111.8	116.1	119.1	121.0	122.0	120.1	116.0	114.7	115.7	113.8	124.6	129.5
	113.4	113.1	112.8	113.9	114.3	111.8	112.0	112.8	112.0	111.0	111.3	108.0	108.5			
A	DIST FROM SOURCE: 134 METERS															
	92.5	96.8	100.5	102.8	106.6	111.6	115.5	117.2	117.3	111.9	104.9	101.5	98.3	97.7	111.5	122.8
	99.3	99.1	99.8	99.0	99.3	98.9	97.8	96.7	96.6	94.6	91.7	89.5	86.7			
B	DIST FROM SOURCE: 238 METERS															
	83.9	89.4	93.4	95.7	99.4	104.2	107.5	108.8	107.9	101.5	92.2	86.9	86.2	86.4	101.9	114.2
	88.1	88.2	89.3	89.4	89.4	89.1	88.7	88.3	87.2	86.4	82.8					
C	DIST FROM SOURCE: 423 METERS															
	77.9	83.4	87.4	89.7	92.9	98.0	100.8	100.2	95.4	80.8	74.3	77.6	78.9	80.9	96.4	106.0
	84.1	85.9	87.6	87.8	87.4	86.6	85.9	84.6								
D	DIST FROM SOURCE: 753 METERS															
	73.1	78.4	82.2	84.2	87.2	91.6	94.5	93.9	89.0	76.2	67.3	67.4	69.1	70.7	85.0	99.4
	73.0	73.7	74.0	73.8	73.7	72.6	70.2	67.2								
E	DIST FROM SOURCE: 1255 METERS															
	64.7	64.3	63.9	63.5	62.1	60.0	56.4									
F	DIST FROM SOURCE: 1757 METERS															
	61.0	64.3	66.2	67.4	68.0	69.7	71.1	70.8	66.4	58.4	57.0	58.5	59.5	67.6	77.5	
	60.3	60.4	60.1	58.7	56.5	53.4										
G	DIST FROM SOURCE: 2079 METERS															
	62.6	64.1	63.7	67.3	67.1	68.9	68.4	67.2	57.4	58.6	57.4	59.2	65.1	74.7		
	58.2	57.8	57.6	56.4	53.6	50.6										
H	DIST FROM SOURCE: 2273 METERS															
	56.4	56.1	55.9	54.6	53.2	51.0	65.5	63.8	54.4	55.8	56.3	63.7	72.4			
	63.6	63.1	66.4	66.5												
I	DIST FROM SOURCE: 2377 METERS															
	54.2	54.1	53.7	52.5	51.2	64.9	63.7	63.1	54.6	54.3	54.6	61.5	70.2			
	61.2															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-185

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 17 SEP 80 ) ARRAY 04 )  
 LOCATION 52 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ( ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.1	101.4	104.4	107.0	111.6	115.5	118.4	121.2	123.1	122.0	118.3	116.0	116.5	113.6	123.0	129.6
	111.8	111.1	110.4	111.3	111.5	109.5	109.9	110.9	110.3	109.2						
S	DIST FROM SOURCE: 75 METERS															
	95.5	101.0	104.7	106.9	111.5	114.6	118.3	121.6	124.2	123.3	119.8	116.9	116.9	112.8	119.6	129.8
	107.0	100.3	97.1	92.9	93.8	94.1	94.7	96.7	98.0	97.5						
T	DIST FROM SOURCE: 75 METERS															
	96.6	101.8	104.1	107.1	111.7	116.2	118.6	120.8	121.6	120.1	115.9	114.8	116.1	114.4	125.3	129.5
	114.0	113.9	113.3	114.3	114.5	112.4	112.8	113.8	113.1	112.1	112.4	109.3	109.7			
A	DIST FROM SOURCE: 134 METERS															
	91.5	96.8	100.5	102.1	106.4	111.4	114.7	116.7	116.7	112.0	105.1	102.8	98.9	96.0	110.8	122.3
	97.3	97.1	98.3	97.2	97.6	97.8	97.3	96.8	95.8	95.1	92.6	90.7	87.7			
B	DIST FROM SOURCE: 238 METERS															
	83.3	89.4	93.4	94.9	99.2	104.2	107.0	108.8	107.7	101.5	91.8	86.3	86.2	87.1	102.5	114.0
	88.6	89.3	89.9	90.6	91.3	90.9	90.1	89.3	87.3	86.4	84.2	81.8				
C	DIST FROM SOURCE: 423 METERS															
	76.8	82.2	86.3	87.8	91.7	96.8	99.0	99.0	94.3	80.6	71.3	71.4	73.3	74.9	89.9	104.3
	76.0	77.4	79.1	78.8	79.2	79.3										
D	DIST FROM SOURCE: 753 METERS															
	71.9	77.6	81.3	82.3	86.1	90.2	92.5	92.0	87.4	75.7	66.0	65.3	66.7	68.0	82.5	97.7
	70.2	70.1	70.9	70.5	70.4	69.5	66.9	64.4								
E	DIST FROM SOURCE: 1255 METERS															
	69.0	72.4	73.6	76.9	80.2	82.2	81.4	76.9	68.4	61.0	62.0	63.1	63.7		73.7	87.6
	64.3	64.0	63.8	63.1	61.9	59.7	56.1									
F	DIST FROM SOURCE: 1757 METERS															
	59.3	59.5	59.2	57.8	55.6	52.4									66.6	75.8
	64.4	66.0	69.3	71.5	68.4	64.3	55.9	57.6	59.5							
G	DIST FROM SOURCE: 2079 METERS															
	58.9	63.9	64.0		66.6	66.7									64.1	72.7
	56.6	56.8	56.5	55.6	53.1	50.3										
H	DIST FROM SOURCE: 2273 METERS															
	54.1	53.8	53.2	51.7	49.5	47.4									61.1	69.4
	64.9	62.2	53.8	53.5	54.2											
I	DIST FROM SOURCE: 2377 METERS															
	62.3	60.3	52.9													
	52.4	52.2	52.0	50.7												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 186 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 SEP 80 ) ) TEST AA-104-186 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	96.2	101.6	104.8	107.5	111.6	115.6	118.5	121.3	123.5	122.0	118.4	116.1	115.4	113.7	122.6	129.7
	111.8	110.8	110.1	111.4	111.9	109.7	110.2	111.1								
S DIST FROM SOURCE: 75 METERS																
	95.6	101.3	105.0	107.5	111.6	114.8	118.4	121.8	124.7	123.3	120.0	116.9	116.6	112.6	119.5	130.0
	106.9	99.8	95.8	91.1	91.4	91.4	92.5	94.5								
T DIST FROM SOURCE: 75 METERS																
	96.8	101.9	104.5	107.5	111.7	116.2	118.6	120.9	121.9	120.1	116.1	115.0	116.1	114.6	125.5	129.7
	114.0	113.7	113.0	114.4	114.9	112.7	113.1	114.1	113.5	112.6	112.7	109.5	110.1			
A DIST FROM SOURCE: 134 METERS																
	91.8	96.9	100.9	102.6	106.7	111.6	115.0	116.8	117.0	112.0	105.4	103.4	100.0	96.9	109.8	122.5
	97.3	96.7	97.4	95.6	95.1	94.1	92.5	91.2	89.6	88.4	85.4	82.7				
B DIST FROM SOURCE: 238 METERS																
	83.5	89.9	94.2	95.8	99.8	104.5	107.6	109.1	108.2	101.8	92.4	87.3	87.4	87.5	102.1	114.4
	88.3	88.6	89.2	89.4	89.7	89.6	89.1	88.5	86.9	85.5	81.9					
C DIST FROM SOURCE: 423 METERS																
	77.5	83.2	87.7	89.4	93.5	98.5	101.1	100.8	96.4	82.0	75.4	76.2	79.1	80.8	94.5	106.3
	82.8	83.1	84.3	84.5	84.8	84.6	82.4	80.6								
E DIST FROM SOURCE: 1255 METERS																
	64.0	70.5	73.4	73.1	75.6	77.9	80.2	78.8	75.9	67.3	61.9	62.5	63.0	63.1	72.9	85.9
	64.0	63.8	63.6	62.9	61.5	59.5	56.6									
F DIST FROM SOURCE: 1757 METERS																
	59.2	59.0	58.8	57.5	55.3	51.9										
	67.1	65.7	67.0	68.6	67.1	64.5	58.3	57.1	58.0	58.8						
G DIST FROM SOURCE: 2079 METERS																
	62.9	65.3	64.5	66.0	64.0	66.9	67.2	65.7	60.6	58.7	57.5	59.2				
	58.6	58.4	58.0	56.7	53.9	50.5										
H DIST FROM SOURCE: 2273 METERS																
	57.7	57.6	57.5	55.9	53.4											
	64.5	64.1	64.1	67.0	64.5	63.2										
I DIST FROM SOURCE: 2377 METERS																
	62.6	62.6	62.6	64.3	62.9	62.0										
	54.7	55.0	54.8	53.7												



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 187 ) ARRAY 04 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 17 SEP 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS	96.4	101.5	104.6	107.6	111.1	115.3	118.5	121.2	123.1	122.0	117.9	116.3	116.6	121.4	129.4
		112.2	110.6	109.4	110.3	110.7	108.6									
S	DIST FROM SOURCE: 75 METERS	96.2	101.4	105.1	107.7	111.2	114.7	118.5	121.7	124.2	119.2	116.6	116.2	112.3	119.1	129.7
		107.1	99.6	94.5	89.1	89.1	89.2									
T	DIST FROM SOURCE: 75 METERS	96.7	101.7	104.1	107.4	111.1	115.9	118.6	120.8	121.7	120.4	116.2	116.0	117.0	124.8	129.5
		114.5	113.4	112.3	113.3	113.7	111.6	111.4	112.8	112.7	111.5	111.4	108.2	108.8		
A	DIST FROM SOURCE: 134 METERS	92.2	97.0	100.8	102.8	106.3	111.4	114.6	116.4	116.5	112.0	105.6	104.8	102.5	109.8	122.2
		98.8	97.5	98.2	94.7	93.2	91.9	90.8	89.4	86.7	83.5	81.4				
B	DIST FROM SOURCE: 238 METERS	83.7	90.1	94.2	96.2	99.4	104.5	107.1	108.6	107.8	102.0	93.5	89.5	88.0	100.8	114.1
		88.2	87.2	87.7	87.4	86.9	86.4	85.8	85.3	82.9	79.9					
C	DIST FROM SOURCE: 423 METERS	78.0	83.8	88.0	89.8	92.7	98.0	99.9	99.3	95.0	81.2	73.5	74.8	77.8	91.3	105.1
		80.1	80.4	80.8	81.2	80.5	79.7									
E	DIST FROM SOURCE: 1255 METERS	58.8	62.8	65.5	67.7	70.3	74.0	77.7	80.0	83.1	84.7	83.9	80.1	70.3	75.9	90.5
		65.9	65.9	65.6	64.9	63.6	61.4	58.1	56.0							
F	DIST FROM SOURCE: 1757 METERS	64.4	67.2	69.7	70.1	70.3	74.0	72.2	71.4	68.1	62.2	59.8	60.1		69.1	80.0
		61.6	62.0	61.9	60.7	58.6	55.1									
G	DIST FROM SOURCE: 2079 METERS	62.8	64.4	67.7	66.5	67.4	68.8	69.1	69.1	67.2	57.5	58.2	58.2	59.9	66.8	76.9
		59.5	59.3	58.5	57.6	54.8	51.9									
H	DIST FROM SOURCE: 2273 METERS	61.9	62.3	65.2	64.2	65.8	68.1	66.9	66.3	65.4	60.7	56.0	57.5		64.7	74.5
		58.0	57.8	57.5	55.6	53.2	49.5									
I	DIST FROM SOURCE: 2377 METERS	55.9	55.7	55.4	53.4	51.1	49.2	64.9	64.1	62.6	55.9				62.4	71.6
		61.2	63.2													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT:		NUMBER 188		MICROPHONE:		IDENTIFICATION:								
SOUND SOURCE: C-135A		LOCATION 01 HT AGL 1.5 M		DATE 19 SEP 80		ARRAY 03		OMEGA 12.2								
								TEST AA-103-188								
								DATE 05 FEB 87								
								PAGE F1								
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	98.8	104.0	107.7	111.0	114.1	117.7	120.6	123.2	125.0	124.8	122.8	119.0	121.6	120.3	126.3	132.6
	118.4	117.1	115.2	113.3	111.8	109.9	110.3	111.0	110.3	108.1	108.2	104.0	104.3			
DIST FROM SOURCE: 66 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	98.8	104.2	107.9	111.4	114.4	117.4	121.0	124.1	126.4	126.1	123.8	119.1	121.1	119.3	124.4	132.9
	114.2	106.1	99.5	103.4	106.3	107.6	108.5	110.1	109.3	106.5	107.2	103.7	102.8			
DIST FROM SOURCE: 66 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	98.7	103.9	107.5	110.6	113.8	118.0	120.3	122.0	123.0	122.9	121.5	118.9	122.0	121.2	127.6	132.3
	120.5	120.0	118.2	116.1	114.2	111.4	111.5	111.7	111.1	109.3	109.0	104.3	105.4			
DIST FROM SOURCE: 134 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	90.8	96.3	100.2	102.9	105.9	109.9	112.0	113.8	114.2	110.6	103.2	89.5	94.9	97.4	111.6	120.3
	99.4	100.7	101.9	102.8	102.0	100.4	97.1	96.3	94.8	94.4	90.4	89.5				
DIST FROM SOURCE: 238 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	88.4	93.3	97.6	99.9	102.6	106.5	108.0	108.7	106.8	99.9	85.9	80.4	86.7	89.8	107.1	115.0
	93.2	97.1	100.0	100.9	96.6	94.5	92.1	91.0	89.5	87.5	85.8					
DIST FROM SOURCE: 431 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	81.6	87.4	92.4	95.2	98.5	101.6	102.0	100.2	93.4	80.0	71.3	73.6	78.5	80.0	96.9	107.8
	83.3	86.9	89.7	89.9	88.1	85.2	81.2	79.0	74.0	72.8						
DIST FROM SOURCE: 753 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	77.9	83.0	87.9	90.6	93.3	96.8	96.6	94.1	85.5	72.4	65.5	69.1	72.1	74.2	87.2	102.2
	75.5	75.9	78.3	78.4	78.7	73.5	68.0	63.5								
DIST FROM SOURCE: 1255 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	73.5	79.3	84.5	85.8	89.2	90.8	87.3	80.2	70.8	65.2	61.8	67.7	72.6	73.1	86.1	95.9
	77.2	78.9	80.9	80.2	70.9	65.8	64.0	59.1								
DIST FROM SOURCE: 1757 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	71.6	77.8	83.2	85.5	86.9	86.9	84.9	82.7	78.6	71.6	66.7	70.6	73.0	74.2	82.4	93.8
	76.2	76.5	76.1	72.2	66.8	62.8	57.7	49.8								
DIST FROM SOURCE: 2087 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	67.7	75.7	81.9	82.3	82.5	79.7	80.3	80.2	82.4	71.6	72.1	75.7	79.9	80.5	85.1	92.0
	81.6	78.5	74.8	71.4	69.5	66.0										
DIST FROM SOURCE: 2377 METERS		OVERALL SAMPLE DURATION: 31 SEC														
	74.8	78.1	77.7	75.0	78.4	86.3	91.5	89.2	82.9	77.4	81.0	87.4	89.3	87.8	90.9	97.7
	84.8	82.4	78.0	74.7	70.0	63.2										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-189  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 189 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE:	66 METERS															
	99.9	105.0	108.3	111.1	114.5	118.7	121.4	123.4	125.2	125.2	123.5	119.9	122.7	121.7	127.3	133.3
	119.5	118.0	116.4	114.4	112.8	111.0	111.3	112.0	111.4	109.1	109.2	104.9	105.2			
S	DIST FROM SOURCE:	66 METERS														
	99.6	105.1	108.5	111.4	114.6	118.5	121.7	124.4	126.6	126.6	124.5	119.9	122.2	120.7	125.3	133.5
	115.5	106.8	100.0	103.7	106.9	108.5	109.4	111.0	109.9	106.9	108.1	104.0	103.1			
T	DIST FROM SOURCE:	66 METERS														
	100.1	104.9	108.2	110.7	114.2	119.0	121.1	122.3	123.1	123.2	122.1	119.8	123.2	122.5	128.7	133.1
	121.5	120.9	119.3	117.2	115.2	112.5	112.6	112.7	112.5	110.6	110.0	105.6	106.7			
A	DIST FROM SOURCE:	134 METERS														
	91.7	96.8	100.3	102.4	105.6	110.0	112.2	113.9	114.2	110.8	104.1	90.9	95.8	97.3	112.3	120.5
	99.2	101.2	102.7	103.4	103.4	102.4	96.9	96.8	95.3	94.8	90.7	90.6				
B	DIST FROM SOURCE:	238 METERS														
	89.0	93.6	97.8	99.4	102.8	107.1	108.8	109.3	107.3	100.2	86.0	81.5	86.8	87.7	105.5	115.3
	91.2	93.8	96.8	98.8	96.6	91.5	92.2	87.8	86.4	84.6	82.5					
C	DIST FROM SOURCE:	431 METERS														
	82.8	88.3	93.0	95.3	98.4	101.8	102.2	99.8	91.9	80.4	73.1	75.0	79.9	81.5	96.7	107.8
	84.8	87.0	89.5	89.9	87.1	84.1	80.5	79.8	76.2	74.7						
D	DIST FROM SOURCE:	753 METERS														
	78.2	83.1	88.0	90.5	93.8	97.8	97.3	93.6	83.7	71.9	66.3	70.6	73.5	76.2	90.6	102.9
	78.6	81.2	84.2	83.9	81.1	75.3	73.2	69.5	70.2							
E	DIST FROM SOURCE:	1255 METERS														
	76.1	80.8	85.9	87.5	89.7	91.6	88.0	80.8	73.5	68.2	65.5	68.8	71.2	73.0	84.6	96.6
	75.6	78.1	79.8	76.8	69.2	67.2	65.1	60.3								
F	DIST FROM SOURCE:	1757 METERS														
	73.0	77.3	82.5	83.9	85.6	86.9	81.1	77.7	77.8	73.0	66.9	70.3	73.6	74.6	83.8	92.8
	76.7	77.7	78.2	75.3	69.8	65.4	62.1	54.6								
G	DIST FROM SOURCE:	2087 METERS														
	69.4	73.4	79.8	81.6	81.1	79.5	77.5	78.9	76.9	72.8	73.4	79.6	82.6	83.3	88.1	92.4
	83.4	82.6	80.3	74.3	72.0	69.4										
I	DIST FROM SOURCE:	2377 METERS														
	78.6	83.6	87.1	85.6	83.7	83.4	89.7	93.3	90.2	77.4	80.7	87.3	90.0	88.6	92.3	99.6
	87.3	84.3	80.3	76.5	72.8	66.5										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-190  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A ( NUMBER 190 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 19 SEP 80 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 30 SEC														
101.1	106.4	109.8	113.0	117.2	120.6	124.2	127.3	129.0	127.8	123.8	119.4	118.3	116.3	115.8	114.5	114.1
115.0	114.5	114.1	115.6	114.8	112.2	111.1	112.3	111.5	108.5	109.0	105.6	105.6	105.5			126.5
S	75 METERS															
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 30 SEC														
101.8	106.6	110.6	113.5	117.7	120.5	124.8	128.5	130.8	129.9	126.1	121.4	119.2	113.1	106.3	100.3	99.8
105.3	101.0	105.0	106.6	108.6	111.7	111.4	105.7	108.6	105.8	104.9						125.5
T	75 METERS															
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 30 SEC														
100.3	106.1	108.8	112.5	116.6	120.7	123.3	125.6	125.8	123.9	118.5	115.4	117.2	118.2	118.5	117.4	117.6
118.5	117.4	117.0	118.5	117.6	114.5	112.7	112.8	111.6	110.2	109.4	105.4	106.1				127.4
A	134 METERS															
DIST FROM SOURCE:	134 METERS	OVERALL SAMPLE DURATION: 30 SEC														
92.3	97.5	101.6	104.4	108.1	113.0	116.4	118.3	117.8	111.8	102.3	94.2	95.4	98.2	100.1	100.4	101.3
101.3	103.2	104.6	104.6	104.0	101.9	98.2	98.4	95.8	94.4	91.0						114.4
B	238 METERS															
DIST FROM SOURCE:	238 METERS	OVERALL SAMPLE DURATION: 29 SEC														
84.1	90.6	94.8	97.8	101.4	106.1	108.8	110.0	107.7	99.4	83.1	81.8	84.6	87.6	89.8	90.5	91.8
93.4	95.7	97.1	96.4	92.9	88.7	87.0	85.3	82.4	79.0							105.4
C	423 METERS															
DIST FROM SOURCE:	423 METERS	OVERALL SAMPLE DURATION: 30 SEC														
79.1	85.7	90.0	92.6	95.9	100.6	102.7	101.1	92.1	78.6	66.6	68.1	69.7	70.4	72.2	74.1	76.3
75.5	76.7	78.6														90.1
D	753 METERS															
DIST FROM SOURCE:	753 METERS	OVERALL SAMPLE DURATION: 30 SEC														
72.4	79.7	83.9	86.9	90.2	93.9	95.8	93.4	84.2	67.1	60.1	62.3	63.8	63.9	64.1	63.3	63.3
62.5	61.9	60.3	56.9	53.1												81.6
E	1255 METERS															
DIST FROM SOURCE:	1255 METERS	OVERALL SAMPLE DURATION: 30 SEC														
67.3	72.8	77.4	79.3	81.9	85.0	86.1	81.6	73.0	58.4	52.1	56.0	58.2	59.2	60.3	60.1	59.6
58.0	56.3	53.4														72.2
F	1757 METERS															
DIST FROM SOURCE:	1757 METERS	OVERALL SAMPLE DURATION: 29 SEC														
66.5	71.3	73.7	75.6	77.5	73.7	69.0	59.4	49.4								64.3
55.8	55.7	55.6	54.3	51.7	48.0											82.3
G	2079 METERS															
DIST FROM SOURCE:	2079 METERS	OVERALL SAMPLE DURATION: 30 SEC														
64.1	65.4	67.5	70.9	71.6	67.8	62.3										
H	2273 METERS															
DIST FROM SOURCE:	2273 METERS	OVERALL SAMPLE DURATION: 30 SEC														
64.4	65.6	65.7	68.1	69.3	66.6	61.1										
I	2377 METERS															
DIST FROM SOURCE:	2377 METERS	OVERALL SAMPLE DURATION: 30 SEC														

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 191 ) MICROPHONE: ) IDENTIFICATION:  
SOUND SOURCE: C-135A ( DATE: 19 SEP 80 ) ARRAY O4 ) ) OMEGA 12.2  
LOCATION 02 HT AGL 1.5 M ( ) ) ) ) ) TEST AA-104-191  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )  
( ) ) ) ) ) ) ) ) ) ) ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U DIST FROM SOURCE: 75 METERS	101.6	106.2	109.5	112.9	117.3	120.8	124.4	127.3	129.1	127.8	124.0	119.5	118.6	116.5	126.7	135.0
	116.0	115.0	114.5	115.4	114.8	112.0	110.8	112.3	112.3	108.3	108.9	105.7	105.6			
	OVERALL SAMPLE DURATION: 33 SEC															
	OVERALL SAMPLE DURATION: 33 SEC															
S DIST FROM SOURCE: 75 METERS	101.6	106.4	110.3	113.4	117.8	120.9	125.0	128.6	131.0	129.8	126.3	121.6	119.6	113.6	125.7	136.3
	107.0	101.1	100.4	101.5	105.4	107.0	109.0	112.0	111.8	106.1	108.7	106.4	105.5			
	OVERALL SAMPLE DURATION: 33 SEC															
	OVERALL SAMPLE DURATION: 33 SEC															
T DIST FROM SOURCE: 75 METERS	101.6	105.9	108.5	112.2	116.7	120.8	123.7	125.7	125.8	123.6	118.7	115.3	117.3	118.2	127.4	133.1
	119.8	117.9	117.5	118.3	117.6	114.2	112.1	112.6	112.7	109.7	109.0	104.9	105.6			
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
A DIST FROM SOURCE: 134 METERS	92.5	97.4	101.5	104.4	108.4	113.4	116.9	118.6	118.0	111.8	102.7	94.7	95.9	99.0	115.3	124.1
	101.3	101.9	103.0	104.3	105.8	105.7	105.0	102.7	99.2	99.2	96.8	95.4	92.1			
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
B DIST FROM SOURCE: 238 METERS	84.6	90.5	94.9	97.9	101.8	106.7	109.4	110.4	108.1	99.5	83.6	83.2	86.2	88.7	106.4	115.7
	91.0	92.0	93.5	94.8	96.7	97.8	97.4	94.3	90.1	88.1	86.6	83.9	80.7			
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
C DIST FROM SOURCE: 423 METERS	79.5	85.4	89.7	92.6	96.2	101.2	103.2	101.2	92.2	79.0	67.2	70.5	73.4	75.3	90.5	107.5
	76.9	75.5	75.4	76.2	77.6	78.8										
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
D DIST FROM SOURCE: 753 METERS	72.5	79.3	83.6	86.6	90.1	94.1	95.9	93.1	84.0	66.9	59.7	62.4	64.4	64.6	81.6	100.3
	64.3	64.0	64.5	63.5	62.5	61.2	57.6	53.9								
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
E DIST FROM SOURCE: 1255 METERS	68.5	73.0	77.5	79.3	82.1	85.7	87.1	82.3	73.4	57.0	50.4	54.8	57.6	59.1	72.7	91.5
	60.3	59.9	59.6	58.5	56.5	53.6										
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
F DIST FROM SOURCE: 1757 METERS	67.4	71.6	73.8	74.5	76.4	74.3	68.9	58.8								
	54.6	54.3	54.4	52.9	50.3	46.4										
	OVERALL SAMPLE DURATION: 32 SEC															
	OVERALL SAMPLE DURATION: 32 SEC															
G DIST FROM SOURCE: 2079 METERS	61.1	65.5	68.4	68.4	71.1	70.8	69.2	63.8								
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
H DIST FROM SOURCE: 2273 METERS	64.7	67.3	66.7	69.0	69.3	67.8	63.2									
	OVERALL SAMPLE DURATION: 31 SEC															
	OVERALL SAMPLE DURATION: 31 SEC															
I DIST FROM SOURCE: 2377 METERS																
	OVERALL SAMPLE DURATION: 33 SEC															
	OVERALL SAMPLE DURATION: 33 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-192  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 192 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
		99.3	104.6	106.7	111.3	114.8	118.6	121.8	123.9	126.0	125.9	124.1	120.2	122.8	121.8	127.5	133.7
		119.6	118.1	115.9	113.5	112.6	111.7	111.9	112.7	111.9	109.7	110.0	105.8	105.9			
S	66 METERS																
	DIST FROM SOURCE:	98.9	104.6	108.8	111.6	115.0	118.3	122.1	124.9	127.4	127.4	125.2	120.7	122.8	121.3	126.4	134.2
		116.2	107.7	101.9	106.0	109.3	110.7	111.6	113.0	111.6	109.3	110.2	106.3	105.7			
T	66 METERS																
	DIST FROM SOURCE:	99.7	104.6	108.5	110.9	114.5	118.8	121.5	122.7	123.8	123.7	122.5	119.7	122.9	122.2	128.4	133.2
		121.5	120.9	118.8	116.1	114.5	112.4	112.2	112.4	112.2	110.2	109.8	105.3	106.1			
A	134 METERS																
	DIST FROM SOURCE:	91.1	96.5	100.8	103.1	106.7	110.7	113.4	114.8	115.4	112.2	105.2	93.5	99.5	102.0	116.4	122.2
		104.5	105.8	107.5	108.4	108.0	106.6	100.7	101.0	99.3	99.3	95.4	93.8	91.5			
B	238 METERS																
	DIST FROM SOURCE:	88.6	93.3	98.2	100.0	103.4	107.4	109.7	110.3	108.7	102.2	88.1	84.8	91.8	95.4	112.1	117.2
		98.5	101.2	103.8	105.1	104.2	101.6	97.1	97.2	95.3	94.0	90.6	88.5	86.5			
C	431 METERS																
	DIST FROM SOURCE:	81.9	87.2	92.6	94.8	98.5	101.7	102.6	99.9	92.1	80.5	74.0	76.4	81.8	85.6	102.9	108.7
		89.2	91.8	94.3	95.8	96.0	92.5	86.2	88.4	85.5	84.8	79.8	80.3				
D	753 METERS																
	DIST FROM SOURCE:	77.9	82.6	87.9	90.3	93.5	97.0	97.4	94.4	85.2	70.7	64.3	69.2	72.9	75.1	92.2	102.8
		77.6	80.8	83.7	85.4	85.6	80.0	74.7	72.2	73.8							
E	1255 METERS																
	DIST FROM SOURCE:	75.0	80.7	86.7	87.9	90.4	92.1	89.5	83.9	76.7	66.3	64.2	69.0	73.2	77.4	89.2	97.8
		81.4	84.0	84.8	78.3	75.5	70.9	70.3	63.5	60.8							
F	1757 METERS																
	DIST FROM SOURCE:	74.0	78.6	82.0	85.0	86.4	85.7	82.1	80.7	74.0	66.8	64.4	68.7	74.3	75.0	85.3	93.2
		79.2	79.2	79.2	77.0	73.6	67.2	62.8	58.5								
G	2087 METERS																
	DIST FROM SOURCE:	74.4	79.7	86.1	87.2	87.3	83.2	82.2	83.1	80.5	75.2	77.8	79.1	84.0	84.0	89.3	95.7
		85.1	83.8	80.5	76.7	71.6	68.9										
I	2377 METERS																
	DIST FROM SOURCE:	78.2	83.6	87.6	86.4	82.8	88.0	94.3	95.1	90.3	79.7	82.5	88.1	91.5	90.9	93.5	101.4
		87.6	84.9	80.8	77.4	73.5	68.0										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) NUMBER 193 ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 19 SEP 80 ) ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-193 )  
 ( ) ) MICROPHONE: ) ) )  
 ( ) ) ARRAY 03 ) ) )  
 ( ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	OASPL (DBA)	AL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.6	104.7	108.7	111.3	115.0	118.9	122.0	124.5	126.3	129.9	130.5	133.9	137.1	141.9	127.6	133.9
	119.9	118.1	116.0	113.6	112.5	111.4	111.8	112.7	111.9	109.6	110.0	106.1	106.1			
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	79.3	104.8	108.8	111.6	115.3	118.7	122.3	125.5	127.8	127.9	125.1	120.9	123.0	121.4	126.5	134.4
	116.6	108.0	102.2	105.7	109.2	110.5	111.4	113.0	111.8	109.3	110.3	106.8	106.0			
T	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	100.0	104.7	108.9	110.9	114.8	119.1	121.6	123.2	124.1	123.7	122.5	120.2	123.2	122.4	128.5	133.3
	121.8	120.9	118.9	116.2	114.3	112.2	112.1	112.3	112.1	110.0	109.6	105.1	106.1			
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 134 METERS	91.5	96.7	100.8	103.0	106.6	110.6	113.4	115.4	115.9	112.3	105.0	92.7	99.2	101.3	115.1	122.1
	103.1	104.3	105.9	106.9	106.2	104.6	100.3	99.2	98.1	97.7	93.8	92.2	90.2			
B	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 238 METERS	88.9	93.8	98.6	100.2	103.8	107.6	109.7	110.8	109.4	102.4	87.7	85.1	92.7	95.7	111.6	117.4
	98.2	100.7	103.3	105.0	104.1	99.9	96.9	95.8	93.8	91.7	88.3	85.5	83.9			
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 431 METERS	82.0	87.4	92.8	94.9	98.7	101.8	102.8	101.2	94.5	80.9	74.2	75.0	79.2	83.7	103.2	109.1
	89.3	93.0	95.6	96.9	95.7	90.7	87.3	88.1	83.8	77.4	76.1					
D	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 753 METERS	77.7	82.1	87.6	90.0	93.5	97.1	97.2	94.7	84.8	70.7	64.5	69.0	73.4	74.1	92.1	102.8
	75.9	79.6	83.3	85.2	85.4	81.7	74.4	73.6	71.0							
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 1255 METERS	76.4	81.1	85.4	87.6	90.4	91.4	88.3	84.3	75.7	69.8	63.2	68.9	73.2	75.4	87.3	97.2
	78.2	79.3	82.9	80.4	74.1	69.4	67.4	62.3	57.7							
G	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2087 METERS	74.4	79.8	86.1	87.3	86.3	83.0	82.5	77.2	78.1	72.8	74.1	80.4	83.2	84.3	88.4	95.0
	83.3	82.1	80.1	75.5	73.2	69.7										
I	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2377 METERS	79.4	84.0	87.1	83.2	78.2	91.8	94.9	94.2	89.5	79.1	76.3	87.8	90.0	87.7	92.0	100.9
	85.5	83.7	81.0	77.8	74.6	69.1										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 194 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 ) ) DATE 05 FEB 87 )  
 ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	100.0	105.2	109.2	112.0	116.1	120.1	122.7	125.1	126.6	126.4	124.3	121.1	123.7	122.1	127.8	134.3
	120.4	118.3	115.4	112.7	112.4	111.6	111.5	112.4	112.1	110.2	109.9	107.2	107.2			
S																
DIST FROM SOURCE: 66 METERS																
	99.7	105.3	109.4	112.4	116.4	120.0	123.2	126.2	129.1	127.8	125.5	121.5	123.6	121.7	126.9	134.9
	117.7	111.3	105.7	106.0	108.9	109.9	110.4	112.1	112.1	110.3	110.1	108.4	108.1			
T																
DIST FROM SOURCE: 66 METERS																
	100.4	105.1	109.0	111.5	115.8	120.2	122.2	123.8	124.3	124.1	122.6	120.6	123.7	122.5	128.5	133.6
	122.1	120.9	118.2	115.3	114.3	112.8	112.5	112.6	112.1	110.1	109.7	105.4	106.2			
A																
DIST FROM SOURCE: 134 METERS																
	92.1	97.5	102.0	104.6	109.0	113.4	115.9	117.8	117.5	113.2	104.5	97.5	104.1	106.3	117.8	124.3
	108.6	109.7	110.5	109.2	104.4	103.8	105.5	102.3	101.0	100.3	96.8	95.1	92.8			
B																
DIST FROM SOURCE: 238 METERS																
	89.9	94.9	100.0	102.2	106.3	110.5	112.5	113.3	110.2	100.1	89.1	94.8	101.5	105.2	115.6	120.4
	108.5	110.2	109.4	104.3	103.0	103.0	98.2	98.3	96.4	94.4	90.6	88.0	85.0			
C																
DIST FROM SOURCE: 431 METERS																
	83.7	89.3	94.8	97.1	101.5	104.8	104.7	100.7	93.5	90.1	81.7	83.7	88.5	93.1	104.5	111.0
	96.1	95.4	95.5	98.2	95.2	92.2	89.5	88.9	85.2	84.6	79.8	78.5				
D																
DIST FROM SOURCE: 753 METERS																
	79.4	84.7	90.6	94.0	97.7	101.1	100.3	96.7	87.6	74.8	71.8	77.5	80.9	81.8	94.7	106.2
	84.1	84.5	86.6	89.2	85.2	78.3	77.2	73.0	70.9	66.6						
E																
DIST FROM SOURCE: 1255 METERS																
	78.2	83.2	89.2	91.4	94.6	95.8	92.5	85.1	78.4	74.4	73.7	82.7	86.7	89.3	97.4	102.7
	92.3	92.4	91.3	86.7	80.6	81.5	76.7	74.1	69.3							
G																
DIST FROM SOURCE: 2087 METERS																
	76.4	82.0	87.9	89.0	90.1	87.6	81.7	78.4	77.5	79.9	83.9	86.7	88.0	87.6	94.6	98.9
	87.4	87.3	87.4	85.3	83.0	80.4	76.4									
I																
DIST FROM SOURCE: 2377 METERS																
	80.0	84.6	88.6	86.9	83.5	91.8	94.3	91.6	90.6	84.4	79.3	87.8	87.8	88.0	92.3	100.8
	88.2	85.3		79.3	76.9	71.3	65.2									



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 195 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 19 SEP 80 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-195 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	99.5	105.0	108.1	110.6	116.8	119.0	123.1	126.6	128.4	126.5	122.5	119.1	117.3	115.8	126.3	134.1
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	100.0	105.9	108.9	111.0	117.4	119.0	123.9	128.0	130.4	128.7	125.0	121.4	117.7	111.8	125.8	135.5
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	98.9	104.6	107.2	110.1	116.2	118.9	122.2	124.6	124.8	121.8	115.7	114.1	117.0	117.8	126.7	132.0
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	91.5	96.5	100.4	102.6	108.3	111.7	115.9	118.1	117.1	109.8	99.3	91.6	98.5	102.2	117.0	123.7
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	83.4	90.2	94.4	96.9	102.4	105.4	108.9	109.7	105.8	94.3	81.4	86.5	91.7	96.6	110.4	115.8
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	79.4	85.6	89.6	92.1	97.4	100.2	102.8	99.7	91.1	77.6	67.6	73.8	80.4	85.7	100.2	107.7
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	67.5	73.6	76.9	80.0	85.2	85.6	85.6	76.2	69.2	54.9	51.5	55.6	60.2	67.1	80.3	91.5
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	60.3	60.8	61.4	55.2	51.4	44.4	74.6	69.8	65.0	56.1	49.8	53.1	55.4	66.5	81.0	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 MT AGL 1.5 M
EVENT:
NUMBER 196
DATE 19 SEP 80
MICROPHONE:
ARRAY D4
DATE 05 FEB 87
PAGE F1

Table with columns for Microphone Location, Distance from Source (meters), OBSPL (DB) for given frequency band (25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500 Hz), and OASPL (DB). It lists measurements for various microphone locations (U, S, T, A, B, C, E, F) and includes overall sample durations for each location.

AD-A191 209

OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1  
EXPERIMENTAL STUDY FOR... (U) HARRY G ARMSTRONG AEROSPACE  
MEDICAL RESEARCH LAB WRIGHT-PATTE... R G POMELL JUN 87

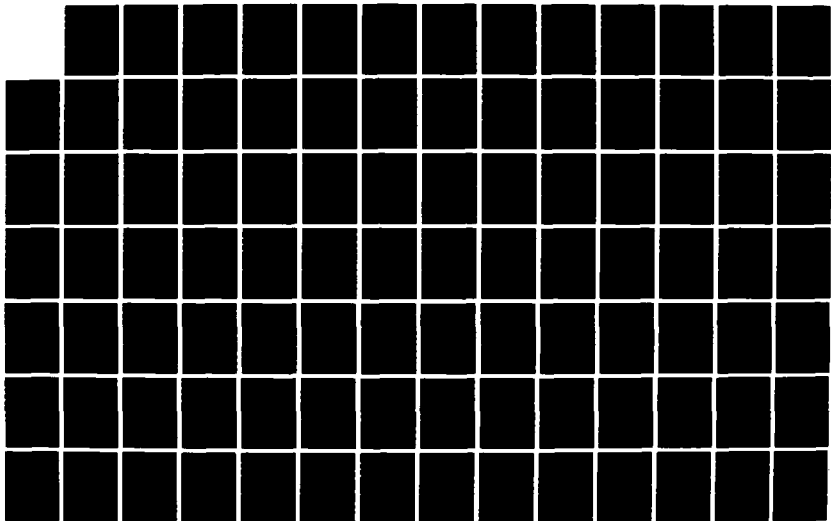
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AMRL-TR-84-017-VOL-1

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NL



1-0

1-1

1-25

REF REF REF REF REF

2-8

3-15

3-5

4-0

4-2

2-2

2-0

1-8

1-4

1-6

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-197  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: NUMBER 197 )  
 ( DATE 19 SEP 80 )  
 ( )  
 MICROPHONE:  
 ARRAY 04

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.7	104.9	108.2	110.5	116.1	118.9	122.9	126.5	128.1	126.2	122.3	119.5	117.5	115.5	126.1	133.0
	114.8	114.2	115.1	115.6	114.3	111.6	111.3	113.0	111.4	108.2	108.7	104.7	104.8			
S	DIST FROM SOURCE: 75 METERS															
	100.2	105.1	109.0	111.1	116.7	118.9	123.6	127.7	129.9	128.3	124.7	121.7	118.1	111.9	125.1	135.1
	105.0	100.3	102.3	103.6	106.5	108.4	110.8	113.4	111.9	106.3	108.6	104.7	104.5			
T	DIST FROM SOURCE: 75 METERS															
	99.2	104.6	107.2	109.9	115.4	118.9	122.1	124.6	124.7	122.0	116.5	114.9	116.8	117.4	126.9	132.0
	117.6	117.1	118.0	118.4	116.9	113.5	111.8	112.6	110.8	109.6	108.8	104.6	105.1			
A	DIST FROM SOURCE: 134 METERS															
	92.0	96.6	100.2	102.5	107.5	111.4	115.5	117.7	116.8	109.5	99.7	90.7	95.9	99.2	114.6	122.9
	101.6	103.4	105.8	106.9	105.6	102.4	99.8	100.4	96.7	96.3	93.6	91.8	88.0			
B	DIST FROM SOURCE: 238 METERS															
	84.1	90.3	94.2	96.6	101.9	105.1	108.8	109.8	106.3	95.8	80.9	84.4	88.2	90.1	106.4	114.9
	92.4	95.4	99.4	100.3	95.5	91.2	94.4	89.6	85.1	81.3	78.4					
C	DIST FROM SOURCE: 423 METERS															
	79.4	85.4	89.4	91.8	96.7	100.1	102.7	99.8	90.2	79.2	67.9	74.4	78.8	82.7	99.7	107.5
	87.8	91.7	95.6	92.9	86.8	82.5	83.0	82.0								
E	DIST FROM SOURCE: 1255 METERS															
	68.4	74.3	78.4	80.5	85.5	87.0	87.6	80.1	71.9	58.2	53.7	58.3	61.0	67.1	83.4	93.0
	72.2	76.3	79.2	75.4	72.6	66.6	60.4	59.9								
F	DIST FROM SOURCE: 1757 METERS															
	64.6	68.4	72.6	74.7	78.1	77.8	73.6	71.1	64.3	49.7	50.0	51.7	54.8	62.5	78.8	84.8
	71.2	75.6	74.8	64.9	53.9	54.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 198 ) ARRAY 04 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 19 SEP 80 ) ) TEST AA-104-198  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.4	104.9	108.3	110.7	116.2	119.0	123.1	126.4	128.0	128.0	122.3	119.7	117.9	116.2	126.6	133.9
115.8	115.5	116.1	116.1	114.8	111.8	111.8	113.3	112.5	109.0	109.5	106.4	106.1				
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.8	105.1	109.1	111.2	116.8	119.1	123.8	127.7	129.9	128.1	124.8	121.9	118.5	112.9	125.4	135.1
	106.7	102.3	103.8	104.5	107.1	108.7	110.8	113.5	113.3	107.5	109.7	107.4	106.6			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.0	104.6	107.4	110.1	115.6	119.0	122.2	124.5	124.7	121.8	116.3	115.0	117.0	118.0	127.5	132.2
	118.6	118.4	119.0	119.0	117.4	113.6	112.6	113.1	111.5	110.1	109.3	105.2	105.6			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	91.8	96.9	100.5	102.5	107.8	111.5	115.6	117.8	116.8	109.8	100.9	93.0	97.3	100.8	116.8	123.4
	103.6	103.1	107.5	108.7	108.6	106.7	103.6	101.0	100.7	99.4	96.4	95.0	91.5			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	83.8	90.4	94.5	96.8	102.1	105.2	108.7	109.8	106.5	96.0	80.6	83.0	89.2	94.7	111.6	116.1
	98.6	101.3	104.4	103.2	103.5	98.5	98.2	95.9	92.6	92.2	88.2	86.3	82.9			
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	79.1	85.6	89.7	92.1	96.9	100.3	102.9	99.6	89.9	78.7	70.2	74.6	77.1	81.4	102.7	108.1
	87.1	92.9	97.9	97.8	90.1	87.6	87.3	82.1								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	67.3	73.5	77.6	80.8	85.5	86.7	87.3	79.8	69.5	55.5	52.4	57.4	60.0	65.5	81.7	92.5
	68.8	72.7	77.5	74.6	68.8	67.6	64.6	60.0								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	64.6	68.7	72.2	74.8	78.8	78.8	74.9	69.6	62.8	52.7	55.8	63.0	77.0	84.8		
	69.7	72.5	70.5	70.9	57.9	55.3										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-199

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 199) MICROPHONE: O4  
 SOUND SOURCE: C-135A (DATE: 19 SEP 80) ARRAY  
 LOCATION 02 HT AGL 1.5 M (DATE: 19 SEP 80)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	99.8	104.9	107.8	110.6	116.1	118.4	122.7	128.0	127.7	129.5	122.0	119.1	117.1	114.1	125.5	133.4
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.9	105.1	108.6	111.3	116.7	118.6	123.4	127.3	129.6	127.7	124.4	121.3	118.0	111.5	124.8	134.7
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	99.7	104.6	106.7	109.9	115.3	118.2	121.8	124.0	124.1	121.1	116.0	114.4	115.8	115.7	126.0	131.3
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	91.6	96.8	100.2	102.7	107.6	111.1	115.2	117.2	116.3	109.4	101.0	92.9	95.3	97.8	114.7	122.6
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	83.9	90.6	94.4	96.9	101.9	105.0	108.5	109.4	106.4	96.4	80.8	83.2	87.0	89.2	108.6	115.1
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	79.2	85.8	89.6	92.4	97.0	100.1	102.5	98.9	88.7	78.2	71.4	77.2	80.9	83.8	99.4	107.2
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	68.4	75.5	79.1	81.9	86.6	87.7	88.2	80.8	72.7	57.2	57.2	61.3	66.8	84.8	93.9	93.9
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	64.4	70.7	75.2	77.7	81.0	80.4	76.6	72.3	64.6	51.0	48.9	54.9	61.9	69.1	79.7	87.1

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AM-103-200  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
STATION 1: WRIGHT-PATTERSON AFB	EVENT: MICROPHONE:															
SOUND SOURCE: C-133A	NUMBER 200															
LOCATION 01 HT AGL 1.5 M	DATE 19 SEP 80															
	ARRAY 03															
	MICROPHONE:															
	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 28 SEC															
	100.2	106.1	109.1	112.3	115.6	119.9	122.4	124.9	126.5	126.2	124.5	120.7	123.3	122.0	127.7	134.2
	120.2	118.3	115.4	113.0	112.6	111.6	111.6	112.5	112.4	110.6	110.5	107.9	108.1			
S	OVERALL SAMPLE DURATION: 28 SEC															
	99.0	106.2	109.4	112.8	116.0	119.9	122.8	125.9	128.0	127.7	125.7	121.2	123.2	121.5	126.8	134.8
	117.2	111.0	105.4	106.3	109.0	110.0	110.7	112.4	112.8	111.0	111.0	109.4	109.3			
T	OVERALL SAMPLE DURATION: 28 SEC															
	100.4	106.0	108.9	111.9	115.2	120.0	121.9	123.5	124.2	124.0	122.7	120.1	123.4	122.4	128.5	139.5
	121.9	120.9	118.2	115.5	114.5	112.8	112.4	112.5	112.1	110.2	109.9	105.5	106.3			
D	OVERALL SAMPLE DURATION: 28 SEC															
	80.2	86.8	92.0	95.5	98.7	101.8	99.8	96.8	87.3	80.1	80.8	88.7	95.2	98.2	102.3	108.4
	99.1	95.7	92.4	85.6	87.2	86.2	82.0	80.1	77.3	74.8	67.9					
E	OVERALL SAMPLE DURATION: 27 SEC															
	78.9	84.5	89.8	91.8	93.7	94.1	90.7	83.9	80.2	75.6	75.3	81.4	81.4	85.8	89.8	100.3
	85.3	84.8	79.2	74.5	74.4	70.4	63.8									
G	OVERALL SAMPLE DURATION: 28 SEC															
	75.2	83.2	87.3	85.5	82.7	85.6	84.6	82.7	79.0	73.7	74.2	80.1	82.6	79.9	84.4	94.5
	77.7	76.3	73.5	71.1	68.1	64.2										
I	OVERALL SAMPLE DURATION: 22 SEC															
	73.3	79.3	84.2	84.8	85.5	90.3	88.7	88.3	87.1	76.4	80.7	87.5	92.4	92.8	93.7	99.7
	86.9	83.4	79.8	76.9	70.3	64.9										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 201 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 ) ) )

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-201  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.2	105.9	109.3	112.4	115.9	120.2	122.9	125.0	126.7	126.5	124.6	120.9	123.3	122.2	127.9	134.4
	120.3	118.6	116.1	113.6	112.8	111.7	111.7	112.5	112.5	110.5	110.3	107.6	107.7			
S	DIST FROM SOURCE: 66 METERS															
	99.9	106.0	109.6	112.9	116.3	120.2	123.4	126.0	128.2	127.9	125.8	121.3	123.1	121.5	126.7	134.9
	117.0	110.6	104.9	105.5	108.4	109.5	110.1	111.9	112.2	110.3	110.4	108.8	108.5			
T	DIST FROM SOURCE: 66 METERS															
	100.5	105.7	109.1	111.9	115.5	120.1	122.3	123.7	124.4	124.3	122.9	120.5	123.5	122.7	128.9	133.8
	122.1	121.3	119.0	116.3	115.0	113.2	112.9	113.0	112.7	110.6	110.3	106.0	106.8			
D	DIST FROM SOURCE: 753 METERS															
	80.3	86.5	92.4	95.9	99.0	101.8	100.2	97.8	87.7	80.2	81.8	89.3	93.5	92.8	101.0	108.0
	95.0	97.3	92.2	86.9	87.0	89.5	80.6	78.3	75.0	72.2						
E	DIST FROM SOURCE: 1255 METERS															
	79.0	84.8	90.4	92.4	93.8	93.6	90.0	81.8	84.6	79.6	80.6	81.2	86.3	86.2	92.2	100.8
	88.1	86.4	81.8	79.5	79.7	75.0	71.7	67.0								
G	DIST FROM SOURCE: 2087 METERS															
	75.6	82.5	86.7	84.8	83.2	85.2	81.1	81.3	80.4	73.3	74.3	76.4	79.0	80.1	86.0	94.0
	80.4	80.8	78.4	73.4	71.3	68.5	61.1									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 202 ) ARRAY 03 )  
 LOCATION 01 NT AGL 1.5 M ( DATE 19 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-202 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	100.4	105.4	109.2	112.4	115.8	119.8	122.3	125.0	126.4	126.2	124.4	120.8	123.3	122.0	127.8	134.2
	120.1	118.5	115.8	113.4	112.5	111.5	111.4	112.2	112.2	110.3	110.1	107.4	107.6			
S	DIST FROM SOURCE: 66 METERS															
	100.0	105.5	109.5	112.9	116.1	119.7	122.7	126.0	127.9	127.7	125.6	121.3	123.1	121.4	126.6	134.7
	117.0	110.7	105.0	105.5	108.2	109.2	109.7	111.6	111.9	110.1	110.0	108.6	108.5			
T	DIST FROM SOURCE: 66 METERS															
	100.8	105.3	109.0	111.9	115.4	119.8	121.7	123.6	124.1	124.0	122.8	120.4	123.5	122.5	128.7	133.6
	121.9	121.1	118.7	116.0	114.6	112.9	112.6	112.8	112.5	110.4	110.2	105.7	106.6			
D	DIST FROM SOURCE: 753 METERS															
	81.4	86.3	92.5	95.9	99.0	101.5	99.4	97.1	87.8	80.3	79.1	86.5	91.8	92.0	98.2	107.1
	88.8	93.5	91.5	86.0	82.6	83.1	78.9	77.0	73.9	71.5						
E	DIST FROM SOURCE: 1255 METERS															
	79.9	85.1	91.1	93.0	94.3	93.8	90.2	81.6	84.3	80.1	79.4	80.5	87.1	87.6	92.8	101.2
	87.3	87.6	83.2	81.3	79.8	73.7	67.4	63.5								
G	DIST FROM SOURCE: 2087 METERS															
	76.1	82.0	85.4	84.6	84.0	85.9	77.3	76.7	79.9	74.0	74.0	79.5	81.9	83.0	87.7	94.3
	83.7	80.3	79.6	75.5	72.4	69.5	63.3									
I	DIST FROM SOURCE: 2377 METERS															
	76.4	81.2	84.0	83.8	87.6	88.8	87.8	90.3	90.4	77.8	77.4	82.9	84.1	84.2	89.3	97.9
	84.7	82.9	79.2	74.6	69.3	61.9										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-203  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 203 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.5	105.0	109.0	112.4	115.9	119.7	122.8	124.7	126.4	126.0	124.2	120.9	123.5	122.2	127.9	134.2
	120.3	118.6	116.2	113.7	112.7	111.6	111.5	112.2	112.2	110.3	110.0	107.2	107.4			
S	DIST FROM SOURCE: 66 METERS															
	100.1	105.1	109.2	112.9	116.2	119.6	123.3	125.7	127.9	127.5	125.3	121.3	123.2	121.6	126.5	134.6
	117.1	110.7	105.1	105.2	107.8	108.8	109.5	111.2	111.6	109.8	109.6	109.2	107.9			
T	DIST FROM SOURCE: 66 METERS															
	100.8	105.0	108.8	112.0	115.5	119.7	122.3	123.4	124.1	123.9	122.6	120.5	123.7	122.8	128.9	133.7
	122.1	121.2	119.0	116.4	115.0	113.3	112.9	113.0	112.7	110.8	110.3	106.1	106.9			
D	DIST FROM SOURCE: 753 METERS															
	80.6	85.4	91.7	95.4	98.9	101.6	100.1	96.1	87.6	77.0	75.8	84.8	91.4	95.3	99.9	107.5
	96.3	92.6	92.4	87.3	81.3	83.7	78.1	75.8	72.9	70.2						
E	DIST FROM SOURCE: 1255 METERS															
	79.6	84.1	90.3	92.6	94.3	92.9	89.5	83.7	85.2	77.7	77.3	81.3	81.8	92.0	95.3	101.6
	91.8	89.3	86.1	80.4	80.9	78.4	72.9	69.9	64.5							
G	DIST FROM SOURCE: 2087 METERS															
	76.0	81.4	85.1	84.7	85.6	86.9	77.7	80.9	81.2	75.7	72.1	78.3	79.8	82.5	86.7	94.4
	81.1	80.8	79.3	73.6	71.6	67.3	60.7									
I	DIST FROM SOURCE: 2377 METERS															
	76.8	79.9	83.8	84.3	83.0	81.4	82.2	81.4	80.9	80.0	83.9	80.6	84.0	93.3	96.6	102.1
	91.3	90.3	83.6	82.4	75.6											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-204  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1  
 )

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
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SOUND SOURCE: C-135A ( NUMBER 204 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 )  
 ) ) )  
 ) ) )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OBSPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.6	105.8	109.3	112.3	116.0	119.9	122.3	124.6	126.5	128.4	124.5	120.8	123.4	122.1	127.9	134.2
	120.3	118.7	116.2	113.8	112.7	111.5	111.4	112.1	112.0	110.1	109.8	107.0	107.4			
S	DIST FROM SOURCE: 66 METERS															
	99.3	105.9	109.5	112.7	116.3	119.9	122.8	125.6	127.9	127.8	125.6	121.2	123.1	121.4	126.4	134.7
	116.9	110.7	105.0	105.0	107.6	108.6	109.2	111.0	111.4	109.7	109.5	108.0	108.0			
T	DIST FROM SOURCE: 66 METERS															
	100.0	105.7	109.1	111.7	115.6	119.9	121.8	123.3	124.3	124.2	122.9	120.4	123.6	122.7	128.9	133.7
	122.1	121.3	119.0	116.5	115.0	113.3	112.9	112.9	112.6	110.5	110.1	105.9	106.7			
D	DIST FROM SOURCE: 753 METERS															
	79.2	85.2	90.7	93.8	97.6	100.9	99.1	95.6	87.1	75.5	72.1	79.9	86.2	90.8	96.8	106.1
	92.3	88.4	80.3	86.9	81.3	80.2	78.5	75.1	72.0	69.0						
E	DIST FROM SOURCE: 1295 METERS															
	78.8	85.0	90.6	92.4	94.7	94.0	87.2	84.8	79.8	71.7	72.8	81.4	85.6	85.2	93.2	101.0
	89.1	88.4	84.7	80.2	78.2	78.3	72.3	71.4								
G	DIST FROM SOURCE: 2087 METERS															
	76.5	81.6	85.8	87.2	84.3	81.5	80.8	81.9	85.2	80.7	82.3	84.0	91.2	91.9	95.8	99.3
	92.0	89.7	82.4	81.4	82.8	77.3	75.0	71.5								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 205 ) ARRAY 03 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 ) ) TEST AA-103-205  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.2	105.4	108.9	112.5	115.8	119.9	122.5	124.8	126.3	126.0	124.2	121.1	123.5	122.4	128.0	134.2
	120.3	118.8	116.6	114.2	113.0	111.7	111.5	112.1	112.0	110.2	109.9	107.0	107.4			
S	DIST FROM SOURCE: 66 METERS															
	100.0	105.6	109.2	113.0	116.2	119.9	122.9	125.8	127.8	127.4	125.3	121.4	123.1	121.7	126.4	134.6
	117.1	110.7	105.2	105.2	107.7	108.6	108.9	110.7	110.9	109.3	109.1	107.5	107.6			
T	DIST FROM SOURCE: 66 METERS															
	100.4	105.3	108.7	112.0	115.5	119.9	122.0	123.4	124.1	123.9	122.7	120.7	123.8	123.0	129.1	133.8
	122.1	121.5	119.5	116.9	115.3	113.4	113.2	113.3	112.9	110.9	110.6	106.5	107.1			
A	DIST FROM SOURCE: 134 METERS															
	92.2	97.6	101.4	104.5	107.9	112.0	114.2	115.9	115.9	112.1	105.2	94.3	100.1	102.6	116.7	122.8
	105.2	106.6	108.0	108.4	107.8	106.7	101.0	100.0	101.9	100.0	95.9	94.8	92.2			
B	DIST FROM SOURCE: 238 METERS															
	90.7	95.0	99.7	102.2	105.6	109.5	111.1	111.9	110.2	102.8	87.7	86.7	91.4	93.8	110.8	118.2
	96.7	99.1	102.1	104.1	103.4	99.7	94.3	94.8	89.4	87.1	83.9	79.8				
C	DIST FROM SOURCE: 431 METERS															
	83.2	89.0	94.2	97.6	101.2	104.3	104.0	99.6	89.8	83.6	79.4	84.4	91.4	94.9	107.0	111.4
	97.9	99.8	101.3	100.3	93.7	91.7	93.0	87.0	87.1	84.1	79.0					
D	DIST FROM SOURCE: 753 METERS															
	78.9	84.3	90.0	93.8	97.0	100.4	99.5	96.2	88.3	79.8	69.0	77.0	83.8	90.1	99.1	106.3
	94.4	94.0	91.2	90.8	82.9	81.7	80.3	75.0	70.0	67.7						
E	DIST FROM SOURCE: 1255 METERS															
	78.9	83.9	89.6	92.2	94.7	94.7	88.5	84.0	79.8	75.8	69.2	77.6	83.9	87.3	92.4	100.9
	87.8	86.9	85.1	80.4	74.1	74.5	70.6	64.5								
G	DIST FROM SOURCE: 2087 METERS															
	76.5	81.6	85.5	87.8	86.4	79.0	78.0	79.2	83.1	78.9	78.5	79.2	90.5	86.6	92.2	97.0
	85.3	86.0	84.6	80.2	75.8	71.5										
I	DIST FROM SOURCE: 2377 METERS															
	74.3	79.0	84.7	87.1	89.6	93.5	88.5	89.6	88.7	79.7	76.9	82.7	85.7	86.2	89.8	99.1
	83.9	83.2	79.6	75.6	70.7	64.4										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 206 ) )  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 ) )  
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IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-206 )  
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)												AL (DB)	OBSPL (DB)		
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.7	104.8	108.5	112.0	115.0	119.4	122.0	124.5	126.4	124.7	121.2	123.7	122.9		128.0	134.3
	120.4	118.4	116.0	113.3	112.5	111.7	111.9	111.8	112.6	110.3	110.2	107.5	106.6			
OVERALL SAMPLE DURATION: 32 SEC																
S	DIST FROM SOURCE: 66 METERS															
	99.6	104.9	108.7	112.4	115.3	119.3	122.4	125.4	127.8	127.8	125.9	121.7	123.8	122.6	127.2	134.8
	117.7	110.5	104.6	106.2	109.5	110.7	111.4	113.2	112.9	110.6	110.7	109.0	107.6			
OVERALL SAMPLE DURATION: 32 SEC																
T	DIST FROM SOURCE: 66 METERS															
	99.9	104.6	108.4	111.6	114.8	119.6	121.5	123.2	124.2	124.3	123.0	120.5	123.6	123.1	128.7	133.6
	122.0	121.1	118.9	115.9	114.2	112.5	112.3	112.5	112.3	110.0	109.7	105.2	105.9			
OVERALL SAMPLE DURATION: 30 SEC																
A	DIST FROM SOURCE: 134 METERS															
	91.4	96.7	100.5	103.3	106.4	110.6	113.1	115.1	115.8	113.0	106.7	94.0	99.9	101.7	116.8	122.4
	103.8	105.2	107.2	108.2	108.0	107.7	103.3	101.9	100.9	100.5	96.9	95.7	93.7			
OVERALL SAMPLE DURATION: 32 SEC																
B	DIST FROM SOURCE: 238 METERS															
	89.6	93.9	98.1	100.4	103.4	107.5	109.3	110.7	109.5	103.8	90.7	84.4	91.0	94.6	111.8	117.3
	97.8	99.9	102.2	103.9	104.4	103.3	98.2	95.2	94.0	93.2	89.2	86.6	85.1			
OVERALL SAMPLE DURATION: 32 SEC																
C	DIST FROM SOURCE: 431 METERS															
	83.0	88.5	93.3	95.8	99.0	102.3	102.7	100.3	93.4	82.3	75.0	77.2	83.6	88.3	104.7	109.6
	92.7	96.0	98.2	98.0	94.3	93.9	91.7	88.1	83.7	80.3						
OVERALL SAMPLE DURATION: 33 SEC																
D	DIST FROM SOURCE: 753 METERS															
	77.8	83.3	89.1	92.4	95.2	98.5	97.5	93.5	85.8	74.8	69.4	73.4	81.5	85.5	98.7	104.6
	88.9	90.5	91.2	90.5	91.1	87.5	83.8	80.2	77.5	77.5	69.3					
OVERALL SAMPLE DURATION: 32 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	74.7	80.2	85.9	88.7	90.9	91.8	87.8	83.4	79.5	73.3	68.4	74.5	80.6	84.0	94.8	99.1
	83.7	86.3	91.1	86.5	84.8	77.9	73.0	68.7	60.6	58.4						
OVERALL SAMPLE DURATION: 34 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	70.9	77.6	81.2	84.1	85.4	85.2	82.7	78.9	73.6	69.6	66.7	69.6	72.9	72.0	85.2	92.6
	78.9	79.2	77.9	76.2	75.8	72.4	63.1	59.2	54.3							
OVERALL SAMPLE DURATION: 32 SEC																
G	DIST FROM SOURCE: 2087 METERS															
	73.4	77.0	79.8	85.7	83.6	84.5	81.2	78.7	73.4	70.4	73.6	77.9	80.1	80.0	86.0	92.8
	81.1	78.4	77.7	75.8	74.5	70.7	62.6									
OVERALL SAMPLE DURATION: 33 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 207 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 19 SEP 80 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-207 )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
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 ( ) ) ) ) )  
 ( ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.7	103.3	107.2	109.9	113.6	118.0	120.7	123.2	124.8	124.5	122.2	118.2	121.4	120.3	126.1	132.4
	118.9	117.2	115.3	113.5	111.8	109.4	109.2	109.5	109.1	107.1	106.3	102.7	102.8			
S	DIST FROM SOURCE: 66 METERS															
	99.3	103.7	107.6	110.4	114.1	118.0	121.3	124.1	126.1	125.7	123.1	117.9	120.6	119.0	123.8	132.6
	116.1	111.8	108.2	103.7	103.2	102.6	101.6	102.8	104.0	100.5	99.5	96.3	96.1			
T	DIST FROM SOURCE: 66 METERS															
	98.0	102.9	106.6	109.3	113.0	117.9	120.1	122.0	122.8	122.8	121.2	118.4	122.1	121.4	127.6	132.2
	120.5	119.5	117.9	116.3	114.5	111.9	111.9	112.0	111.4	109.6	108.9	105.2	105.3			
A	DIST FROM SOURCE: 134 METERS															
	91.0	96.2	100.3	102.6	106.0	110.6	112.7	114.7	115.4	113.1	108.7	102.6	101.4	100.2	111.4	121.5
	100.4	100.0	100.2	100.0	98.8	98.6	96.2	95.2	93.4	93.1	88.3					
B	DIST FROM SOURCE: 238 METERS															
	88.5	92.9	97.6	99.2	102.5	106.9	108.3	109.6	109.2	106.2	99.4	91.8	90.3	89.7	103.2	115.9
	91.3	91.2	91.1	90.3	89.3	88.7	86.1	84.9	82.4	80.4						
C	DIST FROM SOURCE: 431 METERS															
	81.1	85.4	90.5	92.3	95.5	99.0	99.6	98.9	95.7	90.6	85.6	77.2	76.3	75.2	89.8	105.7
	76.7	75.9	75.6	75.5	74.9	73.3	71.2	68.6	65.5							
D	DIST FROM SOURCE: 753 METERS															
	74.6	79.0	83.7	85.5	88.6	92.6	91.6	90.8	85.9	73.8	66.8	67.7	70.8	71.0	82.2	98.1
	72.2	72.0	72.1	70.9	69.2	67.1	63.5									
E	DIST FROM SOURCE: 1255 METERS															
	71.0	75.8	80.7	81.9	84.0	86.9	84.7	82.3	76.6	70.4	65.4	65.7	67.2	67.2	76.3	92.1
	67.8	67.6	66.8	65.7	63.7	60.3	55.9									
F	DIST FROM SOURCE: 1757 METERS															
	66.4	71.3	75.8	77.2	78.0	81.6	80.7	78.5	73.6	68.1	63.6	62.8	63.8	64.3	72.8	87.4
	65.2	64.7	64.1	62.2	59.4	55.6										
G	DIST FROM SOURCE: 2087 METERS															
	62.2	67.9	72.8	74.3	75.6	79.9	78.0	74.4	68.8	59.3	58.1	60.1	62.6	63.4	70.8	84.8
	63.5	63.4	63.3	61.0	56.8	52.3										
I	DIST FROM SOURCE: 2377 METERS															
	60.9	66.3	71.7	73.1	74.3	78.1	76.6	72.8	68.0	62.3	58.3	58.4	60.7	61.6	68.1	83.3
	61.3	60.7	58.7	55.9	51.8	45.7										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 208 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 ) ) TEST AA-103-208 )  
 ) ) ) DATE 05 FEB 87 ) )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	98.8	104.0	107.2	109.7	113.5	117.4	120.4	122.4	124.2	123.7	121.4	118.4	121.6	120.2	126.7	132.2
	118.9	117.6	116.5	115.6	114.3	111.3	110.8	111.0	110.7	108.7	108.0					
S	DIST FROM SOURCE: 66 METERS															
	99.4	104.4	107.7	110.2	114.0	117.3	120.8	123.2	125.4	124.7	122.0	117.6	120.0	117.8	122.6	131.8
	114.7	110.5	106.9	102.0	100.2	98.3	95.7	95.3	97.0	93.3	92.6					
T	DIST FROM SOURCE: 66 METERS															
	98.2	103.5	106.8	109.2	113.0	117.5	119.9	121.5	122.6	122.3	120.7	119.1	122.7	121.7	128.8	132.5
	121.0	120.2	119.3	118.5	117.3	114.2	113.7	114.0	113.6	111.6	111.0	107.3	107.9			
A	DIST FROM SOURCE: 134 METERS															
	90.9	96.9	100.4	102.4	105.8	110.1	112.2	113.7	114.6	112.2	107.7	102.1	100.3	98.8	110.4	120.7
	99.7	99.5	99.4	98.7	97.4	97.3	95.1	94.1	92.7	91.6	87.4					
B	DIST FROM SOURCE: 238 METERS															
	88.7	93.8	97.9	99.1	102.3	106.0	107.5	108.6	108.6	105.3	98.3	90.8	89.7	89.0	101.7	115.1
	89.4	88.5	88.8	87.3	86.1	85.1	83.3	82.4	79.7	78.0						
C	DIST FROM SOURCE: 431 METERS															
	81.6	87.0	91.3	92.7	96.2	99.1	100.0	99.3	97.2	92.7	86.4	78.2	78.9	77.6	91.4	106.3
	78.1	78.6	79.1	78.6	77.7	76.7	75.0	72.6	70.4							
D	DIST FROM SOURCE: 753 METERS															
	74.1	79.1	83.9	85.9	88.7	92.1	91.9	90.9	85.7	74.1	68.4	67.8	70.4	70.8	82.2	98.1
	72.1	71.6	71.7	70.7	69.5	67.2	64.3	60.2								
E	DIST FROM SOURCE: 1255 METERS															
	71.6	75.8	79.4	80.8	83.8	85.7	83.7	80.2	76.4	70.3	66.1	67.0	68.6	68.7	77.1	91.2
	69.2	68.9	68.3	67.4	65.3	62.1	57.2									
F	DIST FROM SOURCE: 1757 METERS															
	68.9	73.6	77.5	78.4	78.9	81.5	82.2	79.0	73.8	68.8	63.8	63.8	65.1	65.5	74.5	88.4
	66.8	66.7	66.7	64.7	62.1	58.2										
G	DIST FROM SOURCE: 2087 METERS															
	66.1	71.3	74.4	75.9	76.6	78.8	78.5	75.4	68.0	60.4	58.6	60.9	64.0	64.4	71.2	85.3
	64.4	64.0	62.9	60.4	56.8	52.5										
I	DIST FROM SOURCE: 2377 METERS															
	65.9	70.7	74.6	73.9	75.0	76.3	76.3	73.4	69.2	63.1	59.4	59.8	62.6	63.5	69.8	83.6
	63.6	63.2	60.8	58.3	54.4	48.0										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-209 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 209 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 SEP 80 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.7	103.7	107.4	110.2	113.0	117.2	120.6	123.0	124.5	124.0	121.8	118.4	121.7	120.1	126.0	132.2
	118.8	117.3	115.5	113.5	111.6	108.9	108.7	109.0	108.8	106.8	105.8	102.2	102.3			
S	DIST FROM SOURCE: 66 METERS															
	99.2	104.1	107.8	110.7	113.5	117.2	121.1	124.0	125.9	125.3	122.6	118.1	120.9	118.8	123.7	132.4
	116.2	112.2	108.8	104.2	103.7	103.1	101.7	102.4	103.3	99.3	98.0	95.4	95.6			
T	DIST FROM SOURCE: 66 METERS															
	98.1	103.3	106.9	109.6	112.4	117.2	120.0	121.7	122.5	122.2	120.7	118.7	122.4	121.0	127.5	132.0
	120.4	119.5	118.0	116.2	114.2	111.3	111.2	111.5	111.2	109.4	108.4	104.7	104.9			
A	DIST FROM SOURCE: 134 METERS															
	90.7	96.7	100.4	102.7	105.2	109.6	112.4	114.2	114.5	112.4	108.1	102.3	100.8	98.1	109.6	120.7
	98.2	97.6	97.2	96.6	95.3	94.9	92.7	92.2	91.2	90.7	87.6					
B	DIST FROM SOURCE: 238 METERS															
	88.2	93.3	97.6	99.3	101.9	106.0	108.1	109.1	108.6	105.8	99.3	92.8	90.8	88.0	101.8	115.4
	87.5	86.8	86.5	86.5	85.3	85.1	83.4	82.3	79.5	77.4						
C	DIST FROM SOURCE: 431 METERS															
	81.2	86.3	90.7	92.2	95.0	98.7	100.2	99.9	97.7	92.1	86.6	75.9	74.7	74.8	90.8	106.3
	76.1	76.6	76.7	75.9	75.3	73.9	72.0	69.2	66.6							
D	DIST FROM SOURCE: 753 METERS															
	73.9	79.2	83.9	85.7	87.6	91.6	91.9	91.1	86.3	74.1	67.1	67.7	70.2	70.3	81.6	97.9
	71.0	70.4	69.9	69.1	67.3	65.3	62.4	58.1								
E	DIST FROM SOURCE: 1255 METERS															
	71.1	75.7	80.6	82.3	84.1	86.9	86.5	84.5	79.2	72.9	68.9	68.1	69.1	69.1	78.2	93.0
	69.6	69.3	68.8	67.5	65.7	62.6	58.1	52.9								
F	DIST FROM SOURCE: 1757 METERS															
	66.6	72.5	77.1	78.7	80.8	82.7	82.5	80.5	77.4	71.1	65.1	63.5	65.3	65.9	75.1	89.2
	67.8	67.3	66.5	64.6	61.7	57.6	50.3									
G	DIST FROM SOURCE: 2087 METERS															
	62.6	68.9	73.6	76.0	78.3	81.1	79.8	77.5	72.3	63.9	61.0	63.6	64.5	64.5	71.6	86.5
	64.8	63.8	62.9	60.4	56.3	51.9										
I	DIST FROM SOURCE: 2377 METERS															
	61.7	68.1	72.6	74.3	75.0	79.5	77.9	76.8	72.0	65.6	60.7	59.5	61.9	62.6	70.2	85.0
	63.1	63.3	61.4	58.7	54.6	48.4										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-210  
 )  
 )  
 ) MICROPHONE:  
 )  
 ) ARRAY 03  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 210 )  
 SOUND SOURCE: C-135A ( DATE 19 SEP 80 )  
 LOCATION 01 HT AGL 1.5 M ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	98.5	103.9	107.2	109.8	113.5	117.3	120.2	122.8	124.4	123.8	121.6	118.0	121.2	120.0	126.1	132.1
	118.7	117.4	115.8	114.3	112.7	109.8	109.6	109.9	109.4	107.5	106.8					
S DIST FROM SOURCE: 66 METERS																
	99.0	104.3	107.6	110.3	114.0	117.3	120.7	123.7	125.7	124.9	122.3	117.5	120.1	118.2	123.0	132.0
	115.3	111.2	107.5	102.7	101.9	100.8	99.9	99.2	99.5	95.5	95.0					
T DIST FROM SOURCE: 66 METERS																
	97.9	103.5	106.7	109.2	113.0	117.4	119.7	121.7	122.7	122.2	120.7	118.5	122.2	121.2	128.0	132.1
	120.6	119.8	118.4	117.1	115.5	112.5	112.4	112.8	112.2	110.3	109.6	105.9	106.0			
A DIST FROM SOURCE: 134 METERS																
	90.9	97.0	100.3	102.3	105.9	109.8	112.3	114.3	115.1	112.8	108.3	102.8	101.6	100.1	110.2	121.1
	100.1	99.4	98.5	97.1	95.5	95.1	92.8	91.8	90.2	89.7	86.0					
B DIST FROM SOURCE: 238 METERS																
	88.7	93.9	98.0	99.0	102.2	105.7	107.2	108.3	108.0	104.4	97.7	90.6	87.3	86.6	100.7	114.7
	87.1	85.8	86.1	85.8	84.5	84.1	82.0	80.8	78.2	76.6						
C DIST FROM SOURCE: 431 METERS																
	81.7	87.3	91.9	92.9	96.0	98.7	99.5	98.7	95.2	89.6	83.8	75.6	75.9	76.3	89.3	105.6
	76.3	76.3	75.5	74.7	73.9	72.3	70.4	67.7	65.3							
D DIST FROM SOURCE: 753 METERS																
	75.1	80.8	85.2	87.5	90.3	93.8	93.5	92.9	89.0	77.4	67.9	68.8	71.7	72.6	83.5	99.8
	72.7	72.5	72.0	70.7	69.2	67.1	63.5									
E DIST FROM SOURCE: 1255 METERS																
	69.7	74.8	78.9	81.0	84.6	87.1	86.7	85.4	80.0	74.2	69.6	68.2	69.7	69.9	78.4	93.1
	70.0	69.6	68.6	67.1	64.9	61.9	57.5									
F DIST FROM SOURCE: 1757 METERS																
	67.7	72.4	75.8	77.9	80.5	81.9	82.0	82.7	79.5	72.3	66.0	64.2	65.6	67.0	76.0	89.5
	67.9	67.7	67.6	65.4	62.6	58.6	50.3									
G DIST FROM SOURCE: 2087 METERS																
	64.9	70.2	74.0	75.4	77.7	79.8	77.8	77.5	73.0	62.9	58.6	60.5	63.3	63.6	71.1	85.8
	63.7	63.1	62.2	60.0	56.5	52.3										
I DIST FROM SOURCE: 2377 METERS																
	63.9	70.6	74.7	74.6	77.3	79.7	77.1	75.4	73.0	65.1	60.9	59.2	61.0	61.8	69.5	85.3
	62.0	61.8	59.4	56.8	52.9	48.8										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 211 ) ARRAY 04 )  
 LOCATION D2 HT AGL 1.5 M ( DATE 19 SEP 80 ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.2	104.5	108.1	110.6	115.4	118.4	121.7	124.6	126.5	124.9	121.3	119.0	118.5	116.2	124.1	132.5
	114.7	112.9	111.4	112.4	112.1	109.4	108.9	109.6								
	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
S	DIST FROM SOURCE: 75 METERS															
	100.0	105.2	109.2	111.4	116.3	118.5	122.4	125.6	128.1	126.6	123.1	120.0	118.6	115.2	122.5	139.4
	110.5	103.9	99.9	95.0	93.7	92.4	91.9	92.1								
	OVERALL SAMPLE DURATION: 30 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.3	103.8	106.7	109.7	114.3	118.2	120.8	123.2	124.0	122.2	119.4	117.8	118.4	117.0	125.8	131.4
	116.8	115.6	114.2	115.3	115.1	112.4	111.8	112.5	111.3	109.8	109.0	105.2	105.5			
	OVERALL SAMPLE DURATION: 30 SEC															
A	DIST FROM SOURCE: 134 METERS															
	90.3	95.8	100.5	105.0	106.3	110.1	113.8	115.7	115.3	110.7	105.4	105.8	102.9	99.2	108.7	121.3
	97.3	95.1	91.7	90.3	89.7	88.0	86.0	85.4	83.7	81.9	76.8	74.5				
	OVERALL SAMPLE DURATION: 29 SEC															
B	DIST FROM SOURCE: 238 METERS															
	84.0	90.1	94.6	96.6	100.1	104.4	107.0	108.8	108.1	102.4	94.9	92.2	90.7	88.6	100.3	114.2
	86.9	85.7	85.6	84.6	83.7	82.6	80.9	79.3	75.8	73.5						
	OVERALL SAMPLE DURATION: 32 SEC															
C	DIST FROM SOURCE: 423 METERS															
	79.2	84.9	89.2	91.3	94.8	98.7	100.1	99.2	94.3	84.6	76.3	75.0	77.5	78.1	90.0	105.5
	79.4	79.5	79.3	77.9	77.3	76.5										
	OVERALL SAMPLE DURATION: 30 SEC															
D	DIST FROM SOURCE: 753 METERS															
	73.4	79.0	83.2	85.6	89.2	92.9	94.9	93.8	87.6	74.4	66.3	67.2	68.0	70.0	83.4	99.8
	71.6	71.3	71.5	70.7	69.4	67.7	64.0	59.5								
	OVERALL SAMPLE DURATION: 18 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	68.0	74.2	78.8	79.6	82.8	86.5	87.4	85.8	80.8	69.1	63.1	63.6	64.6	65.3	76.6	92.8
	66.5	66.6	65.9	64.5	62.5	59.1	53.7									
	OVERALL SAMPLE DURATION: 30 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	63.6	69.2	74.0	74.0	75.9	79.8	79.4	77.2	69.2	59.7	57.3	58.8	59.7	69.4	85.4	101.4
	61.1	60.7	60.2	58.8	56.1	51.8										
	OVERALL SAMPLE DURATION: 29 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	62.8	67.9	72.9	73.1	74.1	75.7	75.0	71.4	68.9	61.4	57.2	58.2	59.1	67.2	82.3	97.3
	59.9	59.4	58.9	57.1	53.4	48.1										
	OVERALL SAMPLE DURATION: 30 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	61.9	66.2	70.1	70.6	72.2	73.9	74.5	71.2	65.2	60.4	56.8	56.4	56.6	56.7	64.3	80.7
	56.5	55.2	54.2	51.3	46.9	41.4										
	OVERALL SAMPLE DURATION: 30 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	58.0	62.4	66.3	66.8	68.8	70.4	70.1	67.6	61.7	53.6	54.5	53.9	60.7	76.8	91.4	106.4
	53.6	52.3	50.8	47.5	43.1											
	OVERALL SAMPLE DURATION: 29 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 212 ) MICROPHONE: ARRAY 04 ) IDENTIFICATION: OMEGA 12.2  
 SOUND SOURCE: C-135A ( DATE 19 SEP 80 ) ) TEST AA-104-212  
 LOCATION 02 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	99.6	105.0	108.5	111.3	115.1	118.5	121.6	124.7	126.4	125.2	122.0	119.1	119.4	116.5	123.7	132.6
	115.1	112.7	110.9	111.4	110.9	107.9										
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
S	DIST FROM SOURCE: 75 METERS															
	100.1	105.6	109.7	112.1	116.0	118.8	122.3	125.8	128.1	126.8	123.7	119.8	119.0	115.0	122.7	133.6
	109.9	102.9	99.1	94.6	92.2	91.4										
OVERALL SAMPLE DURATION: 30 SEC																
T	DIST FROM SOURCE: 75 METERS															
	99.0	104.3	107.0	110.2	114.0	118.2	120.6	123.2	123.8	122.4	119.2	118.2	119.7	117.7	125.2	131.4
	117.4	115.4	113.8	114.4	113.9	110.9	109.6	110.0	109.3	107.1	105.7	101.5	101.5			
OVERALL SAMPLE DURATION: 28 SEC																
A	DIST FROM SOURCE: 134 METERS															
	90.3	96.5	100.8	102.4	106.0	110.4	113.4	115.5	115.1	111.1	105.9	105.3	103.2	99.9	108.8	121.2
	97.8	96.2	93.1	91.3	89.9	87.8	85.7	85.2	83.9	82.4	77.1	75.5				
OVERALL SAMPLE DURATION: 29 SEC																
B	DIST FROM SOURCE: 238 METERS															
	83.8	90.3	94.8	96.7	99.6	104.6	106.8	108.7	107.8	102.1	94.4	90.2	88.5	85.8	99.7	114.0
	85.6	85.2	84.7	83.3	82.1	81.0	79.5	78.3	75.3	72.9						
OVERALL SAMPLE DURATION: 31 SEC																
C	DIST FROM SOURCE: 423 METERS															
	78.7	85.4	89.5	91.4	93.8	98.1	98.8	97.9	93.0	83.9	75.4	74.5	74.8	75.6	88.2	104.5
	76.6	76.3	76.3	75.9	75.0	74.3										
OVERALL SAMPLE DURATION: 26 SEC																
D	DIST FROM SOURCE: 753 METERS															
	74.2	79.5	83.3	85.6	88.2	92.2	93.2	91.7	85.2	70.6	65.8	67.3	69.6	70.2	81.7	98.4
	71.0	70.1	70.4	68.8	67.5	65.8	61.4									
OVERALL SAMPLE DURATION: 21 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	68.2	74.4	78.3	79.4	82.7	86.8	86.9	84.7	79.2	68.6	63.0	63.3	64.5	64.7	75.9	92.5
	65.8	65.8	65.1	63.9	61.9	58.7	53.9									
OVERALL SAMPLE DURATION: 30 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	64.3	71.5	74.8	76.1	76.6	79.0	75.8	69.6								
	61.6	61.2	61.0	59.5	56.1	51.7										
OVERALL SAMPLE DURATION: 19 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	64.8	70.4	73.6	73.7	75.4	76.6	74.2	70.1	67.5							
	59.8	59.1	58.3	56.4	52.1	46.7										
OVERALL SAMPLE DURATION: 30 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	63.6	68.9	72.6	73.0	74.8	76.2	72.9	69.4	66.3	61.8	59.3	58.6	59.6	59.1	66.0	82.0
	59.0	57.9	56.6	53.9	49.8	44.1										
OVERALL SAMPLE DURATION: 29 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	60.4	65.6	69.2	69.0	71.4	72.7	69.7	67.6	63.9	59.5	56.1	57.0	56.8	57.3	63.5	78.6
	56.8	55.5	54.7	51.8	47.6	42.5										
OVERALL SAMPLE DURATION: 28 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-213 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 213 )  
 SOUND SOURCE: C-135A ( DATE 19 SEP 80 )  
 LOCATION 02 HT AGL 1.5 M ( )  
 MICROPHONE: )  
 ARRAY 04 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	99.2	104.7	107.6	111.1	114.7	118.2	121.7	124.3	126.2	124.9	121.5	118.2	118.2	115.7	123.1	132.2
114.0	112.0	110.5	110.8	110.5	107.8											
S	DIST FROM SOURCE: 75 METERS															
DIST FROM SOURCE: 75 METERS	99.8	105.4	108.7	112.0	115.6	119.5	122.5	125.5	127.9	126.6	123.9	119.1	118.3	114.8	122.3	133.3
110.1	103.4	98.9	93.6	92.7	91.4											
T	DIST FROM SOURCE: 75 METERS															
DIST FROM SOURCE: 75 METERS	98.6	104.0	106.1	109.9	113.5	117.0	120.7	122.7	123.5	121.9	118.3	117.0	118.1	116.4	124.5	130.8
116.0	114.7	113.4	113.0	113.5	110.8	109.8	110.2	109.6	107.3	106.1	102.6	103.2				
A	DIST FROM SOURCE: 134 METERS															
DIST FROM SOURCE: 134 METERS	91.0	96.5	100.5	103.0	106.3	110.0	114.0	116.2	115.0	111.4	106.5	105.2	102.7	98.0	109.0	121.9
97.4	95.9	92.0	89.9	89.1	87.3	84.3	83.6	82.9	80.2	74.0	72.3					
B	DIST FROM SOURCE: 238 METERS															
DIST FROM SOURCE: 238 METERS	83.0	89.9	93.5	96.2	98.0	103.9	106.9	108.4	107.9	102.7	94.0	89.5	87.6	84.9	99.5	113.9
84.3	83.6	82.4	81.3	81.0	80.3	79.2	77.9									
C	DIST FROM SOURCE: 423 METERS															
DIST FROM SOURCE: 423 METERS	78.2	84.0	88.5	91.1	93.4	98.3	100.1	99.6	95.3	84.9	76.1	73.7	74.2	74.3	88.7	105.4
74.1	74.2	74.0	73.9	72.9	72.0											
D	DIST FROM SOURCE: 753 METERS															
DIST FROM SOURCE: 753 METERS	73.5	79.4	82.6	84.6	86.5	90.5	92.4	91.0	85.7	74.1	67.5	66.3	68.2	68.0	80.8	97.5
69.0	68.9	68.9	67.1	65.4	63.4	59.5	55.0									
E	DIST FROM SOURCE: 1255 METERS															
DIST FROM SOURCE: 1255 METERS	67.3	73.2	76.3	78.1	79.7	82.7	83.1	83.1	78.3	68.4	60.8	60.1	62.8	61.3	72.9	89.6
61.4	61.5	60.6	59.8	57.5	54.0											
F	DIST FROM SOURCE: 1757 METERS															
DIST FROM SOURCE: 1757 METERS	62.3	69.5	72.8	74.0	72.8	74.9	75.3	70.6	64.3	57.4	54.4	55.8	59.6	58.0	66.0	82.0
58.5	58.5	57.6	55.5	51.8	47.0											
G	DIST FROM SOURCE: 2079 METERS															
DIST FROM SOURCE: 2079 METERS	59.6	67.1	71.3	71.9	70.5	72.0	69.2	69.0	64.8	59.2	55.7	57.4	58.7	56.9	64.2	79.4
57.1	56.4	55.4	52.7	48.4	43.0											
H	DIST FROM SOURCE: 2273 METERS															
DIST FROM SOURCE: 2273 METERS	61.4	65.7	69.6	70.1	70.0	70.1	69.2	66.5	64.6	58.6	56.4	60.0	56.0	63.2	78.1	
56.7	55.0	53.6	50.7	45.9	40.6											
I	DIST FROM SOURCE: 2377 METERS															
DIST FROM SOURCE: 2377 METERS	57.9	62.5	65.9	66.8	66.8	66.8	67.0	63.3	61.9	58.1	53.5	55.7	53.3	60.0	74.8	
53.9	52.2	50.8	47.1													

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-103-214  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 214 ) MICROPHONE: ARRAY 03  
 SOUND SOURCE: C-135A ( DATE 23 SEP 80 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 05 FEB 87 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
G	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	116.9 115.6 115.5 113.2 113.2 110.5 110.8 112.4 112.7 113.3 112.9 113.6 112.1															
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	90.5 95.7 99.5 101.7 104.8 109.1 110.7 111.9 111.7 107.5 99.6 90.7 95.3 96.9															
	98.2 98.6 99.5 100.0 99.4 99.1 96.1 94.1 93.6 93.0 89.1 88.0															
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	88.4 92.8 97.5 99.3 102.4 106.2 106.9 104.0 96.8 84.5 85.8 88.7 90.8															
	93.3 94.9 96.3 96.0 95.2 94.9 92.1 89.5 87.7 85.9 81.4															
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	82.3 87.0 92.3 94.0 97.0 100.0 99.9 97.3 88.7 78.7 73.7 75.6 80.1 82.2															
	84.0 85.2 87.0 88.4 87.9 83.8 80.2 79.0 74.7 73.2															
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	77.3 81.7 87.4 90.1 92.6 95.3 93.5 88.6 77.2 68.3 67.6 72.3 75.6 79.0															
	81.0 80.9 80.9 80.5 77.6 73.8 72.0 68.1															
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	73.5 77.8 83.3 84.9 86.8 87.7 83.7 77.6 70.4 65.0 65.4 69.0 71.9 73.8															
	74.9 75.4 76.1 75.8 72.3 67.5 63.8 59.2															
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	71.6 76.3 80.1 81.9 82.2 81.4 79.9 77.2 70.7 64.6 63.2 66.4 69.8 72.3															
	73.1 73.2 73.2 70.9 68.3 63.9 58.4 52.0															
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	69.8 73.6 77.8 78.8 79.2 79.0 75.7 70.4 64.4 60.3 62.2 66.0 69.7 71.3															
	71.4 71.5 71.1 68.1 64.8 61.1															
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	70.8 75.6 80.0 80.6 81.1 81.3 77.0 73.2 70.3 63.7 63.1 69.0 73.5 74.8															
	74.3 72.8 69.9 66.9 64.1 59.5 54.0															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 215 ) ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 23 SEP 80 ) ) TEST AA-103-215 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)												
G	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																											
	DIST FROM SOURCE: 66 METERS																											
	99.6	104.3	107.4	109.2	112.9	117.1	119.7	121.0	121.1	119.8	119.2	120.3	119.6	117.2	116.2	115.4	113.0	113.1	110.6	111.2	112.7	113.1	112.9	112.6	114.2	112.0	126.4	131.2
	OVERALL SAMPLE DURATION: 30 SEC																											
A	DIST FROM SOURCE: 134 METERS																											
	OVERALL SAMPLE DURATION: 30 SEC																											
	90.3	96.2	100.4	102.0	105.4	109.8	111.0	112.4	112.1	107.9	99.4	92.6	99.0	101.2	102.6	103.4	104.4	104.7	103.2	101.0	98.4	98.0	96.0	96.0	92.2	91.3	112.9	119.4
	OVERALL SAMPLE DURATION: 30 SEC																											
B	DIST FROM SOURCE: 238 METERS																											
	OVERALL SAMPLE DURATION: 30 SEC																											
	88.6	93.5	98.6	99.5	102.4	106.6	107.3	107.7	104.6	97.7	84.7	85.8	90.2	93.1	94.4	95.3	97.7	99.0	98.3	96.6	93.0	91.9	89.1	87.6	83.4	81.2	106.7	114.3
	OVERALL SAMPLE DURATION: 30 SEC																											
C	DIST FROM SOURCE: 431 METERS																											
	OVERALL SAMPLE DURATION: 30 SEC																											
	82.6	87.9	93.5	95.1	98.2	101.2	100.7	97.6	88.1	79.9	73.6	77.5	82.7	86.1	88.1	90.3	91.9	92.2	90.1	86.1	86.7	83.2	81.6	80.1	99.3	107.2		
	OVERALL SAMPLE DURATION: 30 SEC																											
D	DIST FROM SOURCE: 753 METERS																											
	OVERALL SAMPLE DURATION: 29 SEC																											
	77.2	82.4	88.1	90.4	93.0	96.0	93.7	88.7	78.7	68.2	68.1	71.7	76.0	79.8	82.5	84.5	86.2	85.0	81.4	77.4	74.0	70.4	67.6	92.0	101.1			
	OVERALL SAMPLE DURATION: 29 SEC																											
E	DIST FROM SOURCE: 1255 METERS																											
	OVERALL SAMPLE DURATION: 30 SEC																											
	74.4	79.4	84.8	86.0	87.9	88.8	84.4	78.5	73.1	66.6	66.7	71.4	74.8	78.8	81.2	81.3	80.4	78.4	73.5	70.3	67.0	62.2	87.0	95.0				
	OVERALL SAMPLE DURATION: 30 SEC																											
F	DIST FROM SOURCE: 1757 METERS																											
	OVERALL SAMPLE DURATION: 30 SEC																											
	70.9	76.7	81.3	82.6	83.1	82.9	79.7	74.4	68.8	66.4	63.4	68.6	72.5	76.1	78.0	78.5	77.1	74.4	69.8	65.7	60.3	59.8	83.7	90.8				
	OVERALL SAMPLE DURATION: 30 SEC																											
G	DIST FROM SOURCE: 2087 METERS																											
	OVERALL SAMPLE DURATION: 31 SEC																											
	69.1	74.1	79.1	79.1	79.1	78.5	75.0	71.6	65.7	59.9	62.1	66.7	70.4	72.1	73.0	72.8	72.2	68.8	65.2	60.9	69.9	70.6	69.3	65.9	69.3	71.2	76.7	87.0
	OVERALL SAMPLE DURATION: 31 SEC																											
I	DIST FROM SOURCE: 2377 METERS																											
	OVERALL SAMPLE DURATION: 30 SEC																											
	69.6	75.2	80.2	80.3	79.7	77.4	69.9	70.6	69.3	62.8	60.8	65.9	69.3	71.2	70.6	70.9	69.7	66.4	63.1	57.8	69.9	70.6	69.3	65.9	69.3	71.2	76.7	87.0
	OVERALL SAMPLE DURATION: 30 SEC																											





TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 217 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 23 SEP 80 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( ) ) ) TEST AA-104-217 )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.5	104.1	107.4	110.8	113.5	118.5	120.5	123.4	124.4	123.7	120.1	115.3	115.0	113.6	122.9	131.0
	113.1	111.6	110.6	111.8	111.5	108.7	107.5	107.7	108.2	104.5	104.4	101.4	101.4			
S	DIST FROM SOURCE: 75 METERS															
	97.5	103.2	107.3	110.4	113.1	117.5	120.4	123.9	125.7	125.2	122.0	116.4	114.5	108.8	120.6	131.5
	102.2	95.7	94.6	95.1	99.2	100.4	102.0	104.9	105.2	100.4	101.3	100.1	99.1			
T	DIST FROM SOURCE: 75 METERS															
	99.3	104.8	107.5	111.2	113.9	119.3	120.8	122.9	122.6	121.2	116.8	113.7	115.5	115.8	124.4	130.4
	115.9	114.5	113.6	114.8	114.4	111.4	109.9	109.3	109.9	106.6	106.2	102.3	102.9			
A	DIST FROM SOURCE: 134 METERS															
	92.4	97.4	101.6	104.1	106.5	112.5	114.5	116.1	115.1	109.3	101.4	95.4	94.9	97.4	112.8	121.8
	98.5	98.5	99.0	100.2	101.8	102.1	102.5	102.3	100.8	99.0	96.2	94.9	91.5			
B	DIST FROM SOURCE: 238 METERS															
	91.5	95.6	98.1	101.0	106.1	107.2	108.1	105.1	97.1	84.4	83.1	85.3	88.5	105.0	113.8	119.8
	90.3	91.5	92.7	93.5	94.5	94.9	95.1	94.5	93.5	92.2	89.5	88.9	85.4			
C	DIST FROM SOURCE: 423 METERS															
	79.9	85.9	90.7	93.0	95.8	100.7	101.3	99.8	90.1	77.1	70.3	74.4	76.8	78.6	93.9	106.6
	80.6	82.3	84.0	83.9	84.5	84.7	84.4	83.6								
D	DIST FROM SOURCE: 753 METERS															
	74.0	80.4	85.3	87.2	89.9	93.8	94.0	91.4	82.4	67.4	63.0	65.3	68.1	69.6	82.6	99.3
	70.9	70.6	70.4	70.7	71.3	70.2	67.6	64.8								
E	DIST FROM SOURCE: 1255 METERS															
	68.1	74.6	79.1	80.4	82.6	86.5	86.2	82.6	75.7	63.7	59.5	61.5	62.6	64.2	75.7	91.8
	64.9	65.0	65.6	66.2	64.7	62.4	59.2	56.7								
F	DIST FROM SOURCE: 1757 METERS															
	64.9	70.1	75.0	75.6	75.3	77.4	74.7	71.1	64.6	55.5	54.5	58.1	59.6	61.9	70.1	83.5
	63.0	62.5	62.3	60.8	59.3	56.8										
G	DIST FROM SOURCE: 2079 METERS															
	62.7	67.2	71.8	72.0	72.5	73.6	71.4	66.6	62.8	57.5	54.4	56.3	57.8	59.1	67.0	80.2
	59.6	59.3	59.0	58.5	56.3	53.6										
H	DIST FROM SOURCE: 2273 METERS															
	67.8	71.9	71.2	70.5	73.0	72.0	68.2	63.8	54.1	56.9	57.6	59.4	66.3	79.7		
	59.7	58.7	58.1	56.9	55.1	53.0										
I	DIST FROM SOURCE: 2377 METERS															
	61.3	64.2	68.8	68.7	68.2	69.6	68.4	66.2	62.3							
	56.9	56.6	55.9	55.4												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-218  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 218 ) ARRAY 04  
 LOCATION 02 HT AGL 1.5 M ( DATE 23 SEP 80 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)  
 MICROPHONE AL OBSPL (DB)  
 LOCATION (DBA)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OBSPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.6	103.2	107.3	110.6	113.5	118.5	120.5	123.4	124.4	123.9	120.5	115.5	115.0	113.3	122.9	131.0
	112.9	111.5	110.4	111.8	111.4	108.7	107.7	107.9	108.2	104.9	104.1	101.1	101.5			
S	DIST FROM SOURCE: 75 METERS															
	97.7	102.4	107.2	110.3	113.1	117.4	120.3	123.8	125.7	125.4	122.3	116.6	114.6	108.7	120.7	131.5
	102.0	95.6	94.2	94.7	98.7	99.9	101.7	104.8	105.1	100.1	101.1	99.7	98.9			
T	DIST FROM SOURCE: 75 METERS															
	99.4	104.0	107.4	111.0	113.9	119.3	120.7	122.9	122.6	121.5	117.3	114.0	115.4	115.5	124.4	130.5
	115.7	114.4	113.3	114.7	114.3	111.5	110.1	109.7	110.0	107.1	105.8	102.2	103.1			
A	DIST FROM SOURCE: 134 METERS															
	92.5	96.5	101.4	103.7	106.5	112.5	114.4	116.0	115.1	109.4	101.4	93.1	94.6	96.5	111.9	121.7
	97.4	97.6	98.5	99.2	100.7	101.0	101.3	100.9	99.2	97.6	95.0	93.5	90.1			
B	DIST FROM SOURCE: 238 METERS															
	85.0	90.4	95.9	98.4	101.2	106.6	107.8	108.5	105.4	97.3	84.2	83.4	85.5	87.6	103.6	114.1
	88.9	88.6	89.6	91.2	92.8	93.5	93.7	92.9	91.2	89.3	86.6	85.4	82.4			
C	DIST FROM SOURCE: 423 METERS															
	80.5	85.3	90.7	92.7	95.5	100.5	101.1	99.7	90.2	76.9	69.6	73.4	75.3	76.7	91.5	106.3
	79.3	78.5	80.1	80.9	81.7	81.9	81.9									
D	DIST FROM SOURCE: 753 METERS															
	74.5	79.8	85.1	87.6	90.1	94.4	94.7	91.9	82.6	66.6	63.3	65.5	67.8	70.3	83.6	99.8
	72.2	72.2	72.8	72.4	71.9	71.6	69.3	66.0								
E	DIST FROM SOURCE: 1255 METERS															
	67.9	73.0	78.6	80.1	82.2	85.6	84.9	81.8	75.6	63.8	57.5	60.3	61.9	63.9	74.4	91.0
	64.2	64.0	64.1	63.3	62.6	60.5	57.2									
F	DIST FROM SOURCE: 1757 METERS															
	67.2	72.9	74.4	75.4	78.1	74.3	70.3	63.1	52.6	52.4	56.2	57.6	58.9		67.5	83.0
	59.8	59.3	59.3	58.1	56.5	53.7										
G	DIST FROM SOURCE: 2079 METERS															
	64.1	68.9	67.5	68.7	70.6	68.1	65.2	61.0							63.1	76.8
	56.6	55.3	54.7	53.4	51.2	49.7										
H	DIST FROM SOURCE: 2273 METERS															
	60.3	67.2	67.7	69.6	67.0	64.7	60.9								62.6	75.6
	57.2	56.1	55.2	53.6	51.6											
I	DIST FROM SOURCE: 2377 METERS															
	61.1	64.5	65.3	67.3	64.6	62.7										
	53.3															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 219 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE 23 SEP 80 ) ARRAY 04 ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( ) ) ) TEST AA-104-219 )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
	98.3	103.5	106.8	110.3	113.5	118.4	120.8	124.4	123.8	120.3	115.6	115.5	113.8		123.0	131.0
	113.2	111.4	110.2	111.5	111.4	109.0	108.3	108.3	108.0	104.9	104.5	101.2	101.4			
S	DIST FROM SOURCE: 75 METERS															
	97.4	102.7	106.7	109.9	113.0	117.4	120.6	123.7	125.6	125.3	122.1	116.7	114.9	109.2	120.5	131.5
	102.7	95.6	94.1	94.2	98.0	99.1	100.6	103.5	103.7	98.9	99.7	98.1	96.9			
T	DIST FROM SOURCE: 75 METERS															
	99.0	104.2	106.9	110.7	113.9	119.3	121.1	122.9	122.6	121.4	117.1	114.3	116.1	116.0	124.5	130.6
	116.0	114.4	113.2	114.4	114.3	111.8	110.9	110.5	110.1	107.3	106.7	103.0	103.5			
A	DIST FROM SOURCE: 134 METERS															
	92.1	96.6	100.9	103.3	106.5	112.4	114.6	115.9	114.9	109.4	101.8	96.4	95.7	97.3	111.3	121.6
	98.1	97.9	98.0	98.5	99.7	99.9	99.8	99.8	98.5	97.0	94.8	93.3	89.6			
B	DIST FROM SOURCE: 238 METERS															
	84.3	90.4	95.5	97.7	101.1	106.3	107.9	108.4	105.2	97.3	84.6	83.5	86.2	88.8	103.3	114.0
	90.1	90.5	91.5	92.3	93.1	93.1	92.4	91.2	89.8	89.0	85.2	83.6				
C	DIST FROM SOURCE: 423 METERS															
	79.7	85.1	90.1	92.2	95.5	100.4	101.4	99.7	90.3	76.5	69.8	74.1	77.1	79.0	91.6	106.3
	80.5	80.3	80.6	80.5	80.9	81.1	82.3									
D	DIST FROM SOURCE: 759 METERS															
	74.5	80.5	85.4	87.6	90.7	94.6	95.1	92.3	82.8	66.8	63.0	67.3	69.5	71.5	85.4	100.2
	74.1	74.4	74.7	75.1	75.4	74.6	72.3	69.9	66.7							
E	DIST FROM SOURCE: 1255 METERS															
	67.8	72.6	77.3	78.9	81.7	85.4	85.3	82.3	76.0	64.1	58.8	60.6	62.0	63.8	74.8	90.9
	64.6	64.6	64.9	64.0	62.8	60.8	57.9	55.3								
F	DIST FROM SOURCE: 1757 METERS															
	68.8	73.8	74.7	76.2	78.3	74.5	70.5	64.8	53.9	52.6	56.4	58.2	59.9	68.4	89.5	
	60.6	60.1	60.1	59.2	57.7	54.8										
G	DIST FROM SOURCE: 2079 METERS															
	62.0	66.6	71.2	70.9	72.8	73.8	70.6	67.4	63.6							
	59.1	57.5	57.2	56.5	53.8	51.5										
H	DIST FROM SOURCE: 2273 METERS															
	66.2	69.7	69.2	71.7	72.7	70.6	68.3	63.1								
	57.8	57.0	56.3	54.8	53.1											
I	DIST FROM SOURCE: 2377 METERS															
	62.1	65.5	67.1	68.8	69.5	67.7	65.1	60.6								
	54.2															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A (NUMBER 220 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M (DATE 23 SEP 80 ) ) TEST AA-103-220 )  
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MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
Q	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS		OVERALL SAMPLE DURATION: 28 SEC													
	97.8	104.0	106.8	109.0	112.9	116.8	119.9	121.9	120.8	119.1	119.5	120.7	120.1	126.0	131.0	
	117.7	116.8	116.6	113.9	114.4	111.0	110.2	107.6	107.4	106.4	105.1	103.1				
A	DIST FROM SOURCE: 134 METERS		OVERALL SAMPLE DURATION: 28 SEC													
	90.7	96.5	99.6	101.5	105.0	108.8	110.4	111.8	111.5	107.3	99.0	91.8	96.5	98.0	110.5	118.4
	99.3	99.1	100.8	102.2	101.4	99.8	96.4	95.7	93.8	94.1	91.1					
B	DIST FROM SOURCE: 238 METERS		OVERALL SAMPLE DURATION: 28 SEC													
	88.9	93.6	97.5	98.6	101.8	105.3	106.2	106.3	103.4	96.8	83.5	82.7	87.2	90.2	103.7	112.9
	91.4	91.8	93.2	94.8	95.2	94.6	91.0	88.4	86.7	85.2						
C	DIST FROM SOURCE: 431 METERS		OVERALL SAMPLE DURATION: 27 SEC													
	82.5	87.8	92.3	93.6	96.9	99.6	99.5	96.6	88.3	78.5	71.9	74.4	78.5	81.3	94.8	105.5
	82.7	84.0	85.7	86.8	87.4	84.6	80.0	78.2	74.7							
D	DIST FROM SOURCE: 753 METERS		OVERALL SAMPLE DURATION: 27 SEC													
	77.9	82.2	87.1	89.3	92.2	94.6	92.6	87.2	76.3	66.2	66.2	70.9	73.8	75.7	86.5	99.5
	76.9	77.8	78.4	78.9	77.8	73.2	69.3									
E	DIST FROM SOURCE: 1255 METERS		OVERALL SAMPLE DURATION: 27 SEC													
	71.8	75.7	80.9	81.6	82.8	83.1	78.8	73.7	68.0	62.8	60.9	66.1	68.4	69.9	78.9	89.6
	71.2	71.8	72.4	71.4	67.7	62.5	59.3	55.0								
F	DIST FROM SOURCE: 1757 METERS		OVERALL SAMPLE DURATION: 28 SEC													
	72.1	75.6	79.3	80.2	80.1	80.2	77.1	72.8	68.1	63.8	60.8	64.6	67.1	69.2	77.5	87.7
	70.5	71.2	70.2	69.4	66.5	62.4	56.5									
G	DIST FROM SOURCE: 2087 METERS		OVERALL SAMPLE DURATION: 28 SEC													
	68.7	73.8	78.2	78.3	78.4	77.8	75.1								75.8	85.9
	70.1	69.3	69.0	66.3	62.7	58.5										
I	DIST FROM SOURCE: 2377 METERS		OVERALL SAMPLE DURATION: 27 SEC													
	70.0	75.1	79.5	79.6	79.4	78.4	74.5	73.1	70.5	62.0	60.5	66.1	69.4	71.5	77.1	87.1
	72.6	71.6	69.2	65.2	62.3	57.8										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 221 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 23 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-221 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
G	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	530	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC															
	98.9	102.9	106.3	108.3	112.3	116.0	119.2	120.8	121.5	120.2	119.2	118.4	120.0	119.0	125.0	130.2
	116.4	116.0	112.7	112.9	109.7	109.8	109.2	108.0	106.4	105.7	104.5					
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 29 SEC															
	90.6	99.7	99.4	101.3	104.8	108.8	110.8	112.0	111.7	107.3	98.9	91.4	96.9	98.4	110.6	118.6
	99.3	100.0	101.3	102.2	101.1	99.8	96.7	95.7	93.9	94.1	90.1	90.3				
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 29 SEC															
	88.9	93.1	97.5	98.7	101.7	104.8	105.5	105.8	103.2	96.5	84.3	84.3	88.2	90.9	104.0	112.6
	91.9	93.6	94.8	95.6	95.0	94.4	91.0	88.9	86.4	84.5	80.6					
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC															
	82.3	87.6	92.8	94.6	98.0	100.6	100.3	97.4	88.7	76.7	73.3	77.1	81.8	84.6	98.0	106.6
	85.1	89.3	91.1	91.6	87.8	84.3	84.4	80.0	78.3							
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 27 SEC															
	76.9	81.7	87.2	90.0	93.0	95.5	93.4	87.7	77.1	67.4	67.2	72.1	75.4	78.1	88.7	100.4
	79.9	81.1	82.0	81.4	78.0	74.5	71.8									
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC															
	72.3	76.2	81.6	83.5	85.6	86.0	82.0	74.9	68.8	65.1	64.4	70.2	72.7	74.9	84.6	92.3
	77.2	79.5	78.8	75.4	71.4	68.1	65.0	59.7								
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC															
	71.6	74.8	79.3	80.9	81.3	80.1	77.3	71.4	67.5	63.2	61.9	66.5	68.8	70.3	78.9	88.2
	71.8	72.5	72.4	70.6	67.8	63.5	56.6									
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC															
	68.3	72.3	76.9	78.3	79.4	78.6	74.0	72.4	67.5	61.5	66.3	70.3	71.2	77.1	86.1	
	71.0	71.0	70.1	67.2	64.1	59.2										
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC															
	68.7	73.7	78.1	78.9	79.7	79.3	72.1	68.8	71.1	61.7	62.5	69.2	72.2	74.1	78.7	87.0
	74.0	72.8	70.2	66.8	64.1	58.2										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 222 ) MICROPHONE: ARRAY 04 ) IDENTIFICATION: OMEGA 12.2 )  
 SOUND SOURCE: C-135A ( DATE 23 SEP 80 ) ) TEST AA-104-22E )  
 LOCATION 02 HT AGL 1.5 M ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 30 SEC															
	97.9	102.8	105.8	109.3	113.4	117.1	120.1	123.0	124.0	121.7	119.0	115.6	114.1	113.3	122.7	130.3
	112.7	111.4	111.2	112.4	111.6	108.9	107.7	108.1	108.1	104.6	103.9	101.2	101.3			
S	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 75 METERS	97.1	102.0	105.7	108.8	112.9	116.0	119.7	123.3	125.2	123.2	120.9	117.0	113.5	107.9	119.9	130.6
	101.7	95.9	95.8	96.7	100.0	100.9	102.4	105.5	106.0	100.2	100.9	100.0	98.9			
T	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 75 METERS	98.5	103.5	105.9	109.8	113.8	118.0	120.4	122.6	122.4	119.5	115.6	113.6	114.6	115.6	124.4	130.0
	115.6	114.4	114.1	115.4	114.4	111.6	110.1	109.7	109.5	106.7	105.6	102.2	102.8			
A	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 134 METERS	91.6	96.3	100.1	102.8	106.4	111.3	114.2	115.9	114.7	107.8	100.5	94.2	94.2	97.3	113.1	121.4
	98.4	98.8	99.8	101.0	102.6	102.8	102.3	101.1	99.7	97.4	95.8	92.2				
B	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 238 METERS	83.9	90.3	94.8	97.4	100.7	105.6	107.7	108.5	105.4	96.0	83.7	84.3	86.3	89.1	104.8	114.0
	90.4	91.6	93.0	93.5	94.3	94.7	94.5	94.1	92.6	91.7	86.4	84.0				
C	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 423 METERS	79.0	84.7	89.3	91.9	95.1	99.6	100.2	97.3	86.3	75.7	69.8	73.8	76.2	79.1	94.0	105.2
	82.2	83.9	84.6	84.0	84.9	84.6	84.2	83.8								
D	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 753 METERS	73.1	79.0	83.9	86.3	89.3	92.8	93.4	90.0	80.5	66.1	63.1	65.3	66.9	69.2	82.2	98.4
	69.8	69.9	70.9	71.0	71.6	70.7	68.3	65.5	62.9							
E	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 1255 METERS	71.6	75.9	77.7	80.6	83.5	83.1	78.9	71.2	58.3	57.7	59.3	61.5	72.7	88.8		
	63.2	63.1	63.2	62.6	61.5	59.3	55.6									
F	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 1757 METERS	68.0	71.6	72.5	74.4	76.6	73.1	70.3	63.0	53.0	54.3	54.9	56.1	57.8	66.5	81.7	
	58.8	58.3	58.1	57.4	55.6	52.6										
G	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 2079 METERS	66.1	69.0	69.4	69.9	69.9	69.3	62.1									
	55.8	55.2	54.9	54.4	51.7	48.7										
H	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 2273 METERS	65.8	68.7	68.8	69.3	70.1	68.7										
	55.8	55.1	54.8	53.6	51.6	48.7										
I	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 2377 METERS	52.4	52.8	52.1	52.8	52.1	52.8	52.1	52.8	52.1	52.8	52.1	52.8	52.1	52.8	54.1	

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB SOUND SOURCE: C-135A LOCATION 02 HT AGL 1.5 M			EVENT: NUMBER 223 DATE 23 SEP 80			MICROPHONE: ARRAY 04			IDENTIFICATION: OMEGA 12.2 TEST AA-104-223		
MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	DIST FROM SOURCE:	75 METERS	150 METERS	300 METERS	AL (DB)	OBSPL (DB)	DATE 05 FEB 87		PAGE F1	
U	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K									
	DIST FROM SOURCE: 75 METERS			OVERALL SAMPLE DURATION: 30 SEC			122.6	130.1			
	97.2 103.6 106.1 109.0 113.1 117.0 119.7 123.0 123.8 121.6 119.0 115.6 114.1 113.2	112.7 111.2 111.0 112.3 111.6 109.0 107.6 107.7 107.8 104.3 104.2 100.9 100.8									
S	DIST FROM SOURCE: 75 METERS			OVERALL SAMPLE DURATION: 30 SEC			119.6	130.4			
	96.0 102.7 105.9 108.5 112.6 115.8 119.3 123.3 125.0 123.0 120.9 117.0 113.6 108.1	102.0 95.6 95.0 95.8 99.0 99.8 101.2 104.2 104.8 99.1 99.8 98.7 97.7									
T	DIST FROM SOURCE: 75 METERS			OVERALL SAMPLE DURATION: 30 SEC			124.3	129.8			
	98.1 104.3 106.2 109.4 113.6 117.9 120.0 122.6 122.2 119.4 115.6 113.7 114.6 115.5	115.5 114.2 113.9 115.3 114.5 111.7 110.1 109.7 109.6 106.6 106.3 102.3 102.6									
A	DIST FROM SOURCE: 134 METERS			OVERALL SAMPLE DURATION: 30 SEC			112.4	121.1			
	91.8 96.6 100.0 102.2 106.0 111.0 113.7 115.8 114.4 107.4 100.3 93.6 93.9 96.6	97.6 97.7 98.8 100.3 102.0 101.4 101.3 100.4 99.3 97.4 95.9 92.3									
B	DIST FROM SOURCE: 238 METERS			OVERALL SAMPLE DURATION: 30 SEC			103.1	113.7			
	89.8 91.1 95.0 97.1 100.6 105.5 107.4 108.5 105.3 96.1 84.5 84.7 85.1 87.6	88.7 89.3 90.6 91.5 92.5 92.7 92.3 91.9 90.2 90.0 86.3 83.9									
C	DIST FROM SOURCE: 423 METERS			OVERALL SAMPLE DURATION: 30 SEC			94.5	105.2			
	78.9 85.3 89.4 91.4 94.9 99.4 100.0 97.9 86.9 75.2 71.1 73.9 78.0 79.5	80.7 81.8 83.9 84.7 85.5 85.4									
D	DIST FROM SOURCE: 753 METERS			OVERALL SAMPLE DURATION: 30 SEC			82.4	98.3			
	73.2 80.2 84.0 85.6 89.0 92.6 93.2 90.2 80.3 64.6 61.6 65.0 67.0 68.9	70.4 71.0 71.8 72.0 71.5 70.6 67.6 64.6									
E	DIST FROM SOURCE: 1255 METERS			OVERALL SAMPLE DURATION: 30 SEC			72.6	88.2			
	67.1 72.2 76.1 76.8 79.6 82.6 82.2 79.4 70.9 58.1 56.5 57.8 59.5 61.5	62.4 63.2 63.3 63.2 61.7 59.4 57.2									
F	DIST FROM SOURCE: 1757 METERS			OVERALL SAMPLE DURATION: 30 SEC			67.4	80.9			
	69.8 72.5 72.6 73.6 74.7 70.5 68.9 61.4 52.7 53.8 55.3 56.9 58.9	59.8 59.7 59.8 58.9 56.8 54.0									
G	DIST FROM SOURCE: 2079 METERS			OVERALL SAMPLE DURATION: 26 SEC			62.9	75.6			
	61.2 67.1 69.9 70.9 61.4	56.4 56.0 55.6 54.8 52.0 49.6									
H	DIST FROM SOURCE: 2273 METERS			OVERALL SAMPLE DURATION: 30 SEC			61.6	75.5			
	61.8 67.3 69.3 70.8 66.1 60.4	55.3 54.6 54.3 53.0 51.4									
I	DIST FROM SOURCE: 2377 METERS			OVERALL SAMPLE DURATION: 30 SEC			53.4				
	58.3 64.4 49.2	58.3 64.4 49.2									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 224 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 23 SEP 80 ) )  
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1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC															
	97.3	102.4	105.7	108.9	112.9	117.2	120.2	122.7	123.9	121.7	118.9	115.8	114.4	113.2	122.8	130.2
	112.9	111.4	111.0	112.5	112.0	109.2	108.1	108.2	108.1	104.7	104.5	101.2	101.5			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	96.1	101.6	105.6	108.4	112.4	116.1	119.8	123.0	125.0	123.2	120.7	117.0	113.8	108.1	119.6	130.4
	102.1	95.6	95.2	95.7	98.9	99.6	101.0	104.2	104.7	99.1	99.8	98.8	98.1			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	98.3	103.2	105.9	109.4	113.3	118.1	120.6	122.4	122.4	119.6	115.6	113.9	114.9	115.5	124.6	130.0
	115.8	114.3	114.0	115.5	114.9	112.0	110.6	110.2	109.9	107.1	106.7	102.7	103.4			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	92.2	96.2	100.1	102.8	106.2	111.7	114.7	116.0	114.9	108.1	100.8	94.9	94.9	96.8	112.5	121.6
	97.5	97.6	98.9	100.4	102.1	102.1	101.5	101.4	100.3	98.7	96.7	95.2	91.6			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	84.0	89.9	94.5	97.1	100.4	105.8	107.8	108.2	105.2	96.0	83.9	83.8	85.9	88.3	102.6	113.7
	89.4	90.1	91.0	91.4	91.9	91.9	91.3	90.7	89.3	89.0						
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	79.1	83.9	88.8	91.2	94.3	99.2	100.1	97.2	86.5	73.9	68.9	73.2	75.9	77.5	91.9	104.8
	78.2	78.1	80.0	81.4	82.2	83.0										
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	73.2	78.7	83.2	85.3	88.2	92.2	93.1	89.5	80.0	64.7	61.8	64.7	67.1	69.1	81.6	97.8
	70.0	69.9	70.6	70.6	70.0	69.4	66.6	63.8	60.5							
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	62.5	62.7	62.9	63.0	62.0	59.6	55.2	53.0								
	71.5	76.1	77.5	79.9	83.2	82.7	78.1	70.9	60.4	56.0	58.5	60.5	62.2	72.6	88.4	
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	59.0	58.3	57.8	56.3	54.5	51.4										
	68.2	71.5	71.9	72.9	74.9	71.1	66.5	60.8	52.8	52.0	56.7	57.7	58.6	65.9	80.3	
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	62.6	66.4	70.0	69.8	70.1	71.6	68.9	60.6	52.0							
	57.2	56.5	56.3	55.4	52.7	49.5										
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	64.9	68.6	68.3	72.6	68.3											
	55.0	54.6	54.6	53.1	51.0	47.7	54.5	55.0								
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	66.2	65.8	68.8													



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY															
STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )															
SOUND SOURCE: C-135A ( ( NUMBER 235 ) ) OMEGA 12.2 )															
LOCATION 01 HT AGL 1.5 M ( ( DATE 24 SEP 80 ) ) TEST AA-103-235 )															
LOCATION 02 ( ( ) ) )															
LOCATION 03 ( ( ) ) )															
DATE 05 FEB 87 )															
PAGE F1 )															
MICROPHONE LOCATION U															
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS															
100.3	106.2	109.9	112.6	116.1	120.3	123.1	124.8	125.5	125.0	122.8	122.4	125.1	123.3	128.3	134.7
OVERALL SAMPLE DURATION: 30 SEC															
120.7	119.3	116.9	114.4	113.2	111.8	112.0	113.1	112.2	110.0	110.4	106.1	106.3			
DIST FROM SOURCE: 66 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
99.8	105.8	109.5	112.4	116.0	119.5	123.2	126.2	128.2	127.6	124.8	121.6	123.2	119.9	126.1	134.6
114.8	107.5	102.8	105.8	108.6	109.7	110.2	112.4	111.3	108.1	109.7	105.8	105.5			
DIST FROM SOURCE: 66 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
100.8	106.6	110.2	112.7	116.2	121.0	123.1	124.8	125.5	125.0	122.8	122.4	125.1	123.3	129.7	134.7
123.1	122.2	119.8	117.1	115.4	113.2	113.3	113.7	112.9	111.9	110.9	106.4	107.0			
DIST FROM SOURCE: 134 METERS															
OVERALL SAMPLE DURATION: 31 SEC															
92.6	97.5	101.4	103.5	107.0	111.2	113.6	115.0	114.4	109.3	97.9	96.9	102.2	104.2	116.3	121.9
106.4	107.5	108.6	108.3	106.5	103.6	101.5	101.5	100.6	99.2	95.7	94.4	92.3			
DIST FROM SOURCE: 238 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
90.6	94.8	99.4	100.7	104.2	108.0	109.3	108.9	104.2	92.8	84.5	91.2	97.2	100.8	112.9	117.1
104.1	106.4	107.5	104.8	98.6	100.7	96.3	95.8	94.0	90.7	86.4	84.0				
DIST FROM SOURCE: 431 METERS															
OVERALL SAMPLE DURATION: 31 SEC															
83.3	88.4	93.5	95.4	98.7	101.6	100.9	95.2	85.0	79.7	71.5	78.9	85.5	89.5	101.8	107.8
93.3	95.8	95.0	93.6	92.5	84.8	87.2	83.1	82.0	78.9	74.8					
DIST FROM SOURCE: 753 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
78.2	83.4	89.0	91.6	94.1	96.5	93.5	87.2	77.4	67.2	66.2	70.5	74.5	77.2	91.2	101.4
81.8	83.5	83.2	85.9	81.3	73.6	73.7	70.3								
DIST FROM SOURCE: 1255 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
76.8	82.4	87.5	88.7	90.2	90.5	86.5	82.5	75.0	68.8	69.8	73.2	76.6	79.7	87.4	97.0
81.4	81.4	79.4	79.6	74.3	70.6	68.2	63.4								
DIST FROM SOURCE: 1757 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
76.9	82.1	86.0	86.0	84.3	81.4	78.7	81.7	81.1	77.1	75.3	83.4	87.2	89.0	93.7	97.4
89.3	88.2	85.7	79.5	78.6	76.1	69.8	65.8	62.0							
DIST FROM SOURCE: 2087 METERS															
OVERALL SAMPLE DURATION: 30 SEC															
77.3	82.5	87.1	86.6	84.4	83.3	81.3	84.1	82.9	79.4	78.7	83.6	83.6	83.4	88.9	95.7
84.6	81.7	79.6	77.8	74.3	70.4										
DIST FROM SOURCE: 2273 METERS															
OVERALL SAMPLE DURATION: 31 SEC															
77.3	82.5	86.3	84.3	77.3	84.2	87.0	88.4	78.4	76.7	82.0	84.4	85.1	83.6	88.1	95.9
82.7	79.8	77.7	75.0	70.5	66.3										
DIST FROM SOURCE: 2377 METERS															
OVERALL SAMPLE DURATION: 31 SEC															
77.9	82.7	85.5	81.6	78.7	88.3	89.0	90.0	83.8	75.0	72.1	80.6	85.0	86.2	88.8	97.0
84.6	80.4	76.5	74.8	70.9	66.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 236 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( DATE 24 SEP 80 ) ) )  
 LOCATION 01 ( ) ) ) ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST RA-103-236 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.5	106.3	109.9	112.9	116.3	120.6	123.6	125.9	127.3	126.8	124.5	122.5	124.3	121.9	128.3	134.9
	120.5	119.1	116.6	114.4	113.3	111.8	112.2	113.2	112.3	110.1	110.4	106.2	106.5			
S	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 66 METERS	100.1	106.0	109.6	112.9	116.3	119.9	123.7	126.6	128.4	128.0	125.4	122.2	123.5	120.0	126.4	135.0
	114.9	107.4	103.0	106.2	108.7	109.8	110.5	112.5	111.4	108.2	109.6	105.5	105.5			
T	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 66 METERS	100.9	106.5	110.1	113.0	116.4	121.2	123.4	125.1	125.6	125.2	123.3	122.7	125.0	123.2	129.7	134.8
	122.9	122.0	119.5	117.0	115.5	113.2	113.4	113.7	113.0	111.5	111.1	106.7	107.9			
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 134 METERS	92.6	97.5	101.2	103.5	107.0	111.3	114.0	115.5	114.7	109.5	98.8	97.3	102.6	103.7	114.8	121.8
	104.9	105.6	106.9	107.0	104.1	101.4	100.8	99.5	98.6	97.2	93.7	92.6	91.0			
B	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 238 METERS	90.4	94.7	99.1	100.9	104.2	108.2	109.5	109.0	104.4	93.1	82.4	89.3	96.2	100.1	111.4	116.6
	102.8	104.6	105.5	102.7	98.0	100.1	95.2	94.5	93.0	90.1	86.4	85.4				
C	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 431 METERS	82.5	88.8	94.0	96.7	100.0	102.9	102.2	96.5	87.4	78.7	75.4	82.8	88.4	93.9	103.1	109.2
	98.5	98.0	94.6	94.3	88.7	88.9	85.6	81.7	78.6	76.1						
D	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 753 METERS	79.4	84.8	90.2	92.8	95.1	97.3	93.3	86.5	80.9	73.3	71.0	77.3	82.4	88.1	95.8	102.8
	90.6	88.5	90.3	86.2	80.7	80.2	78.5	75.9	71.9							
E	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 1255 METERS	77.8	83.1	88.1	89.4	90.2	88.6	81.8	79.6	76.6	75.7	73.9	81.8	86.4	88.5	95.0	99.1
	89.9	89.6	87.0	85.4	79.2	78.9	77.1	72.8	69.7							
F	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 1757 METERS	76.8	82.1	85.8	85.9	82.9	78.4	83.2	85.6	83.4	79.4	76.1	79.1	78.2	82.0	89.9	95.3
	83.8	84.9	83.1	79.2	77.3	74.9	69.1	63.8								
G	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2087 METERS	75.7	80.5	84.2	81.4	75.9	82.0	81.3	82.3	82.2	75.4	78.8	86.8	88.2	86.3	90.7	95.7
	86.6	83.1	79.7	75.8	73.0	68.2										
H	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2273 METERS	75.7	80.0	81.8	74.2	80.3	84.3	85.1	87.7	84.2	74.4	80.7	85.7	87.4	86.3	90.5	96.1
	86.3	83.0	78.9	76.2	72.5	67.9										
I	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2377 METERS	77.8	81.5	82.0	76.3	84.5	87.1	88.1	89.3	86.6	73.9	78.9	86.6	88.7	88.4	91.1	97.7
	85.4	82.5	79.3	77.8	73.0	68.3										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 237 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 24 SEP 80 ) ARRAY Q3 ) ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-237  
 ) ) ) ) ) DATE 05 FEB 87  
 ) ) ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
		100.3	106.5	109.9	113.0	116.4	120.5	123.6	127.0	126.5	124.3	121.8	123.7	121.5		127.9	134.6
		120.4	118.7	116.3	114.1	113.0	111.4	111.7	112.6	111.6	109.5	109.6	105.3	105.7			
S	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 66 METERS	99.9	106.2	109.6	113.0	116.3	119.7	123.4	126.2	128.2	127.6	125.1	121.4	122.6	119.3	125.8	134.6
		114.2	106.6	102.1	105.5	108.1	109.4	110.1	112.0	110.7	107.5	108.7	104.4	104.7			
T	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 66 METERS	100.6	106.7	110.1	113.1	116.5	121.2	123.2	124.9	125.5	125.0	123.1	122.1	124.5	123.0	129.3	134.6
		122.8	121.6	119.3	116.8	115.2	112.7	112.9	113.1	112.3	110.9	110.4	106.0	106.6			
A	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 134 METERS	92.2	97.3	100.9	103.3	106.7	110.9	113.1	114.4	113.8	108.5	97.9	94.2	98.9	100.4	112.3	120.6
		101.7	102.5	103.8	104.2	101.8	98.7	99.2	96.7	96.5	94.7	91.4	91.5				
B	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 238 METERS	90.3	94.5	98.9	100.4	103.5	107.6	108.6	108.0	103.7	93.5	81.8	86.0	91.8	94.6	107.8	115.1
		97.0	99.2	101.6	100.8	94.9	95.8	93.3	91.2	89.5	86.7	83.3					
C	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 431 METERS	82.4	88.8	93.5	95.8	99.2	102.3	101.4	96.4	85.6	79.5	72.4	76.9	81.8	86.0	98.2	107.6
		89.6	92.3	91.4	90.2	85.8	83.7	83.2	78.0	77.4	74.7						
D	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 753 METERS	78.9	84.4	89.9	92.5	94.2	96.3	92.5	85.5	78.0	67.2	68.7	75.2	79.7	84.4	93.6	101.7
		88.4	88.6	85.6	84.6	79.0	79.1	76.8	73.7								
E	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 1255 METERS	76.9	82.0	87.4	88.9	90.0	88.6	82.5	78.2	78.2	72.0	72.3	79.0	81.6	84.0	90.2	97.0
		85.8	84.5	83.3	77.2	75.1	72.8	70.0									
F	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 1757 METERS	76.8	82.1	85.6	85.8	83.6	80.5	79.9	82.7	82.1	78.4	72.1	74.8	80.9	82.6	87.9	94.3
		83.2	82.5	80.0	75.0	73.0	70.9	63.6	58.7								
G	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 2087 METERS	75.8	80.8	84.6	83.4	78.5	78.5	77.8	78.4	74.7	70.3	74.4	81.1	84.8	85.4	88.8	93.7
		85.4	81.4	77.6	74.3	72.7	66.5										
H	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 2273 METERS	75.5	79.9	82.2	76.9	75.3	83.5	85.6	87.1	82.1	72.0	76.4	81.7	83.4	83.8	87.7	94.4
		83.4	79.7	77.2	75.0	71.2	66.7										
I	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 2377 METERS	76.5	80.5	81.3	74.1	82.0	86.2	88.8	90.2	85.7	75.5	80.3	87.8	90.4	88.5	91.6	98.0
		86.4	81.3	77.8	76.4	72.5	68.2	63.4									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 238 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-238 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	100.0	106.3	109.8	112.8	116.4	120.3	123.1	125.7	126.8	126.5	124.2	121.6	123.6	121.6	128.1	134.5
	120.3	119.0	116.8	115.0	113.8	111.6	111.8	112.6	111.6	109.7	109.8	105.5	105.9			
S	DIST FROM SOURCE: 66 METERS															
	99.8	105.9	109.5	112.6	116.3	119.6	123.1	126.4	128.0	127.6	125.1	121.1	122.4	119.2	125.5	134.5
	113.8	106.3	101.2	104.9	107.5	108.9	109.4	111.3	109.9	106.9	108.1	103.8	104.0			
T	DIST FROM SOURCE: 66 METERS															
	100.3	106.7	110.1	112.9	116.6	120.9	123.1	124.9	125.1	124.9	123.1	122.0	124.6	123.2	129.6	134.6
	122.8	121.9	119.7	117.8	116.3	113.3	113.3	113.6	112.8	111.4	111.0	106.7	107.2			
A	DIST FROM SOURCE: 134 METERS															
	91.7	97.3	100.9	103.0	106.5	110.5	112.7	114.3	113.4	108.5	98.1	93.8	98.9	99.3	111.5	120.3
	100.0	100.6	102.8	103.3	101.5	98.0	97.9	96.2	95.0	93.3	89.8	89.4				
B	DIST FROM SOURCE: 238 METERS															
	90.0	94.4	99.0	100.8	104.2	107.9	108.7	108.2	103.6	94.0	82.2	86.3	91.7	94.8	107.6	115.2
	97.0	99.0	101.3	100.7	94.7	94.9	94.0	90.1	90.7	86.2	83.7					
C	DIST FROM SOURCE: 431 METERS															
	82.3	88.7	94.0	96.5	100.2	103.3	102.8	98.5	88.1	79.0	74.3	79.1	87.0	92.8	100.5	109.0
	96.3	94.8	90.0	89.5	89.7	85.7	84.6	79.9	78.5							
D	DIST FROM SOURCE: 753 METERS															
	77.8	84.4	90.1	92.8	94.3	95.8	91.1	84.3	77.2	69.8	73.4	79.7	84.7	87.4	92.7	101.5
	86.2	88.5	85.4	79.9	75.6	76.0	70.8	69.8								
E	DIST FROM SOURCE: 1255 METERS															
	77.0	82.8	87.8	88.4	88.4	86.6	81.4	77.0	76.3	68.9	67.7	74.3	78.3	82.3	87.3	95.7
	82.0	82.5	79.4	75.4	71.0	70.5	68.2	61.9								
F	DIST FROM SOURCE: 1757 METERS															
	76.7	82.9	87.0	87.5	85.7	83.9	77.9	82.3	82.2	77.8	76.0	84.0	86.9	85.9	90.4	96.3
	84.4	83.6	80.2	76.9	78.2	74.8	67.7	62.7								
G	DIST FROM SOURCE: 2087 METERS															
	75.9	80.9	84.9	83.7	80.6	81.1	81.0	84.5	80.7	75.9	75.4	77.7	80.4	82.7	89.1	94.3
	85.0	84.5	80.5	76.5	75.0	70.5										
H	DIST FROM SOURCE: 2273 METERS															
	75.2	80.4	82.8	76.8	75.3	82.8	84.3	86.9	82.0	73.9	79.3	85.6	88.2	85.8	90.6	95.8
	86.3	82.1	78.4	78.7	74.5	70.6										
I	DIST FROM SOURCE: 2377 METERS															
	76.2	80.7	81.7	73.1	81.4	85.6	87.1	88.8	84.1	74.2	80.2	87.2	88.7	89.5	91.5	97.3
	86.3	81.2	78.3	78.3	74.1	71.0	65.8									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY														
STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 239 ) MICROPHONE: ARRAY 04														
SOUND SOURCE: C-135A ( DATE: 24 SEP 80 )														
LOCATION 02 HT AGL 1.5 M ( )														
IDENTIFICATION: OMEGA 12.2														
TEST AA-104-239														
DATE 05 FEB 87														
PAGE F1														
MICROPHONE LOCATION U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)													
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	
	DIST FROM SOURCE: 75 METERS													
	100.7	105.3	108.4	111.9	114.6	119.4	121.8	123.9	124.7	123.2	119.7	115.2	115.0	114.3
	114.2	112.6	111.6	113.0	112.8	110.3	109.5	109.0	109.1	105.5	104.4			
	OVERALL SAMPLE DURATION: 32 SEC													
S	DIST FROM SOURCE: 75 METERS													
	98.0	104.0	107.7	110.9	113.7	117.8	121.2	124.1	125.8	124.6	121.2	115.7	112.7	106.9
	101.2	95.3	94.2	95.2	98.2	98.6	99.6	102.2	101.6	95.5	96.6			
	OVERALL SAMPLE DURATION: 32 SEC													
T	DIST FROM SOURCE: 75 METERS													
	101.9	106.4	108.9	112.7	115.4	120.5	122.3	123.7	123.3	121.2	117.1	114.6	116.5	116.9
	117.1	115.6	114.6	115.9	115.7	113.2	112.3	111.5	111.7	108.3	107.1	102.4	109.3	
	OVERALL SAMPLE DURATION: 31 SEC													
A	DIST FROM SOURCE: 134 METERS													
	93.4	98.2	102.5	105.5	107.7	114.2	116.0	117.1	116.0	109.9	101.4	95.7	96.4	98.1
	98.8	98.2	97.9	98.6	99.3	99.2	98.8	98.5	96.3	95.2	91.7	89.5	85.8	
	OVERALL SAMPLE DURATION: 30 SEC													
B	DIST FROM SOURCE: 238 METERS													
	85.4	88.8	93.0	94.6	96.2	101.4	102.3	102.5	100.8	100.5	100.0	94.6	92.9	92.5
	91.6	90.4	89.8	89.3	89.0	88.1	87.2	86.0	83.2	81.0	77.7			
	OVERALL SAMPLE DURATION: 31 SEC													
C	DIST FROM SOURCE: 423 METERS													
	80.7	85.8	90.7	93.3	95.4	100.6	100.6	98.1	87.7	74.6	66.4	68.7	70.8	72.2
	71.9	72.3	73.1	73.3	72.2	71.3								
	OVERALL SAMPLE DURATION: 32 SEC													
D	DIST FROM SOURCE: 753 METERS													
	75.0	80.4	85.2	87.4	88.8	93.3	92.9	89.0	78.6	63.0	61.3	63.7	65.6	67.0
	66.8	66.9	66.7	65.9	64.8	62.9	59.7	55.8						
	OVERALL SAMPLE DURATION: 31 SEC													
E	DIST FROM SOURCE: 1255 METERS													
	70.2	75.0	79.1	80.8	81.1	84.8	82.2	77.6	68.5	55.4	53.2	55.5	58.7	60.0
	60.9	60.6	59.1	59.2	57.6	54.7								
	OVERALL SAMPLE DURATION: 32 SEC													
F	DIST FROM SOURCE: 1757 METERS													
	68.7	73.7	75.3	74.9	76.3	76.3	69.4	63.5	54.3					
	53.7	53.3	52.6	51.7	49.2	46.0								
	OVERALL SAMPLE DURATION: 29 SEC													
G	DIST FROM SOURCE: 2079 METERS													
	59.9	65.1	69.6	70.2	70.4	71.5	65.1							
	50.7	50.4	48.3	46.7	43.7									
	OVERALL SAMPLE DURATION: 31 SEC													
H	DIST FROM SOURCE: 2273 METERS													
	61.5	63.7	67.5	68.5	68.2	69.5	66.0	62.2						
	OVERALL SAMPLE DURATION: 31 SEC													
I	DIST FROM SOURCE: 2377 METERS													
	60.2	64.8	65.2	66.2										
	OVERALL SAMPLE DURATION: 31 SEC													
OASPL (DB)														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( ) NUMBER 24D ( ) ARRAY O4 ( )  
 LOCATION 02 HT AGL 1.5 M ( ) DATE 24 SEP 80 ( ) DATE 05 FEB 87 ( )  
 ( ) ( ) ( ) PAGE F1 ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.9	105.3	108.6	112.0	114.7	119.2	121.5	124.3	124.8	123.4	119.6	115.1	115.1	114.5	123.7	131.5
	114.2	112.7	111.8	113.1	112.9	110.4	109.6	109.1	109.1	109.1	105.7	104.7				
S	DIST FROM SOURCE: 75 METERS															
	99.1	104.0	108.0	111.1	113.7	117.7	120.9	124.4	125.9	124.8	121.2	115.5	112.7	106.9	119.8	131.4
	101.3	95.4	94.5	95.6	98.6	99.3	100.3	102.8	102.4	96.0	97.0					
T	DIST FROM SOURCE: 75 METERS															
	102.2	106.3	109.2	112.6	115.5	120.3	122.1	124.1	123.4	121.5	116.9	114.6	116.6	117.1	125.7	131.5
	117.1	115.7	114.7	116.1	115.9	113.3	112.3	111.6	111.6	108.5	107.3	102.6	103.3			
A	DIST FROM SOURCE: 134 METERS															
	93.9	98.6	103.0	105.8	108.0	114.0	115.8	117.5	116.2	110.1	101.1	95.5	97.0	98.4	111.7	122.9
	99.3	98.9	98.6	99.2	100.3	100.0	99.7	99.3	96.8	96.2	92.7	91.2	87.4			
B	DIST FROM SOURCE: 238 METERS															
	86.0	91.7	96.5	99.3	101.6	106.8	107.8	108.3	104.5	95.5	82.5	82.2	85.3	86.5	100.7	113.9
	87.4	86.8	87.5	88.5	89.1	89.0	89.0	88.2	86.6	84.3	80.3					
C	DIST FROM SOURCE: 423 METERS															
	80.9	86.0	90.7	93.1	95.3	100.2	100.3	98.5	88.5	74.9	65.5	68.5	70.7	72.0	87.2	105.6
	72.1	71.7	73.2	73.8	72.5	71.8										
E	DIST FROM SOURCE: 1255 METERS															
	71.0	75.9	81.0	82.3	82.7	85.3	83.4	78.7	69.2	56.2	53.2	56.8	59.3	61.3	71.7	90.7
	62.0	62.0	61.4	60.4	58.2	55.1										
F	DIST FROM SOURCE: 1757 METERS															
	64.6	69.4	75.0	76.1	75.0	76.2	70.1	64.7	55.0						62.1	82.3
	54.3	53.7	53.2	51.7	49.2											
G	DIST FROM SOURCE: 2079 METERS															
	61.1	66.5	71.2	71.1	70.8	70.0	64.7	59.7							55.1	77.8
	49.2															
H	DIST FROM SOURCE: 2273 METERS															
	60.6	64.9	69.6	68.7	68.5	68.5	64.2									
I	DIST FROM SOURCE: 2377 METERS															
	61.4	65.7	65.1	66.0	65.5											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 241 ) ARRAY 04 )  
 LOCATION DZ HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-241 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.3	105.4	108.7	112.0	114.7	118.9	121.8	124.1	124.9	123.7	119.9	115.2	115.1	114.8	123.9	131.6
	114.2	113.0	112.2	113.4	113.1	110.5	109.3	109.0	109.1	105.3	104.6	100.2				
S	DIST FROM SOURCE: 75 METERS															
	98.5	104.1	108.0	111.1	113.9	117.5	121.2	124.3	126.0	125.1	121.6	115.8	112.0	107.1	120.2	131.6
	101.5	96.0	95.2	96.4	99.8	100.3	101.3	103.7	103.4	97.2	98.2	96.2				
T	DIST FROM SOURCE: 75 METERS															
	101.6	106.4	109.2	112.7	115.4	120.0	122.3	123.9	123.5	121.6	117.0	114.5	116.6	117.4	125.8	131.5
	117.1	116.0	115.1	116.4	116.0	113.3	111.9	111.3	111.5	108.0	107.0	102.3	103.0			
A	DIST FROM SOURCE: 134 METERS															
	93.7	98.5	103.2	105.8	108.1	113.9	116.2	117.6	116.4	110.4	101.1	95.5	97.1	98.8	112.6	123.1
	99.4	99.2	100.1	101.5	101.4	101.3	100.9	98.6	97.8	94.6	92.7	89.0				
B	DIST FROM SOURCE: 238 METERS															
	85.6	91.9	96.9	99.2	101.8	106.6	108.1	108.2	104.7	95.4	82.1	83.7	85.7	87.8	101.9	114.0
	88.8	89.3	89.9	90.1	91.0	91.4	91.0	90.1	88.4	86.2	80.8	79.0				
C	DIST FROM SOURCE: 423 METERS															
	80.5	86.2	91.3	93.6	95.9	100.6	101.2	98.7	88.3	75.3	67.0	69.9	72.5	73.8	88.5	106.1
	74.1	75.6	76.9	76.0	76.0	75.1										
E	DIST FROM SOURCE: 1255 METERS															
	70.1	76.3	81.5	82.3	83.2	86.0	84.0	77.6	66.8	58.2	53.2	57.2	59.5	62.0	72.4	91.1
	62.9	63.1	62.5	62.0	60.2	56.9										
F	DIST FROM SOURCE: 1757 METERS															
	64.9	69.3	75.4	76.6	75.7	75.7	69.5	63.3	54.5							
	54.5	53.9	53.5	52.1	49.5	45.9										
G	DIST FROM SOURCE: 2079 METERS															
	60.6	66.2	70.8	71.4	71.2	70.0	64.1	59.5								
	49.9		46.7	43.3												
H	DIST FROM SOURCE: 2273 METERS															
	60.4	65.0	68.8	69.0	69.4	69.4	63.3	57.6								
I	DIST FROM SOURCE: 2377 METERS															
	57.6	62.0	64.8	65.4	66.6	67.2	61.1	55.6								

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-242  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 )  
 ) NUMBER 242 ) ARRAY 04  
 ) SOUND SOURCE: C-135A ( DATE 24 SEP 80 )  
 ) LOCATION 02 HT AGL 1.5 M ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	1800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	100.9	105.6	108.2	111.8	114.7	119.2	121.7	124.1	125.0	123.5	120.1	115.2	115.1	114.6	123.8	131.6
	114.4	113.2	112.0	113.3	113.1	110.4	109.2	108.9	108.9	105.2	104.6	100.4				
S	DIST FROM SOURCE: 75 METERS															
	99.1	104.2	107.5	110.9	113.8	117.7	121.1	124.3	126.1	124.9	121.9	115.8	112.9	107.0	120.2	131.6
	101.5	95.9	95.1	96.1	99.7	100.6	101.6	104.2	103.6	97.4	99.1	97.0				
T	DIST FROM SOURCE: 75 METERS															
	102.1	106.7	108.7	112.6	115.4	120.3	122.2	123.9	123.6	121.5	117.1	114.4	116.6	117.3	125.8	131.5
	117.3	116.1	115.0	116.3	116.0	113.2	111.8	111.1	111.2	107.8	106.9	102.2	102.9			
A	DIST FROM SOURCE: 134 METERS															
	94.1	98.8	102.6	105.7	108.1	114.0	116.1	117.6	116.4	110.1	101.2	95.4	97.0	99.0	112.7	123.1
	99.9	99.3	99.4	100.4	101.5	101.5	101.4	101.1	99.0	98.1	94.8	93.1	89.5			
B	DIST FROM SOURCE: 238 METERS															
	86.1	91.9	96.0	99.2	101.7	106.8	107.9	108.1	104.6	95.2	82.1	82.6	85.5	88.0	102.3	113.9
	88.6	89.5	90.2	90.8	91.7	91.6	91.4	90.4	88.0	85.5	80.5	79.5				
C	DIST FROM SOURCE: 423 METERS															
	81.3	86.6	90.7	93.4	96.0	100.8	101.1	99.2	88.7	73.8	65.9	70.1	73.2	74.2	88.2	106.3
	73.9	73.8	74.4	74.5	74.8	73.9										
E	DIST FROM SOURCE: 1255 METERS															
	71.0	75.7	79.9	81.8	83.1	85.5	84.1	78.8	69.1	56.7	52.6	56.9	59.2	61.3	72.0	90.8
	61.4	61.5	61.3	61.1	59.3	56.3										
F	DIST FROM SOURCE: 1757 METERS															
	69.7	73.8	75.7	75.2	76.0	67.3	62.0	53.7	48.1	48.0	52.0	54.5	54.5			
	54.6	54.0	53.8	52.7	50.3	47.0										
G	DIST FROM SOURCE: 2079 METERS															
	61.7	67.0	68.9	69.8	69.9	69.4	63.2									
	49.0	48.5	47.2	44.0	41.0											
H	DIST FROM SOURCE: 2273 METERS															
	65.1	67.3	66.9	67.0	67.5	61.9										
	49.8															
I	DIST FROM SOURCE: 2377 METERS															
	61.9	63.5	63.7	64.4	65.3	60.5										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-243 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 243 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
DIST FROM SOURCE: 66 METERS	100.4	106.2	109.8	113.0	116.0	120.1	122.7	124.7	126.1	125.6	123.4	121.2	123.9	122.4	128.3	134.2
DIST FROM SOURCE: 66 METERS	120.6	119.2	117.3	115.5	114.1	112.2	112.5	113.4	112.2	110.3	110.4	106.1	106.6			
OVERALL SAMPLE DURATION: 31 SEC																
DIST FROM SOURCE: 66 METERS	100.1	105.9	109.6	113.0	115.8	119.2	122.7	125.3	127.3	126.7	124.3	120.7	122.8	120.4	125.8	134.0
DIST FROM SOURCE: 66 METERS	114.4	106.2	102.2	105.8	108.8	110.4	111.0	112.9	111.2	108.4	109.2	104.9	105.1			
OVERALL SAMPLE DURATION: 32 SEC																
DIST FROM SOURCE: 66 METERS	100.6	106.4	110.0	113.1	116.1	120.7	122.6	123.9	124.5	124.1	122.3	121.6	124.7	123.8	129.6	134.3
DIST FROM SOURCE: 66 METERS	123.0	122.1	120.2	119.3	116.4	113.5	113.6	113.8	113.0	111.7	111.3	107.1	107.7			
OVERALL SAMPLE DURATION: 32 SEC																
DIST FROM SOURCE: 134 METERS	91.3	97.3	101.1	103.4	106.2	110.3	112.2	113.1	112.5	107.4	97.2	93.3	99.1	101.0	113.1	119.9
DIST FROM SOURCE: 134 METERS	102.2	103.4	104.9	105.3	103.5	101.1	99.0	97.3	96.4	95.1	91.9	93.5				
OVERALL SAMPLE DURATION: 31 SEC																
DIST FROM SOURCE: 238 METERS	88.9	94.4	99.1	101.0	103.5	107.3	107.9	107.2	103.1	92.5	81.2	86.0	93.3	96.6	109.6	115.1
DIST FROM SOURCE: 238 METERS	99.0	101.0	103.2	103.5	98.0	95.2	95.7	92.5	93.5	89.5	86.4					
OVERALL SAMPLE DURATION: 31 SEC																
DIST FROM SOURCE: 431 METERS	82.6	88.1	93.3	95.9	98.7	101.5	100.7	95.2	93.1	78.3	72.2	76.9	81.1	85.4	100.0	107.3
DIST FROM SOURCE: 431 METERS	89.6	92.9	94.8	93.2	89.0	83.7	83.8	79.6	79.3	77.2						
OVERALL SAMPLE DURATION: 32 SEC																
DIST FROM SOURCE: 753 METERS	78.9	84.5	89.7	91.8	93.8	96.5	93.7	86.7	77.3	66.7	66.6	72.8	76.3	80.1	92.3	101.5
DIST FROM SOURCE: 753 METERS	83.6	86.2	87.6	84.3	77.5	75.2	73.4	70.3								
OVERALL SAMPLE DURATION: 32 SEC																
DIST FROM SOURCE: 1255 METERS	76.7	81.4	85.7	87.7	89.0	88.6	82.4	76.7	76.8	70.8	69.2	74.9	78.4	81.0	87.8	95.9
DIST FROM SOURCE: 1255 METERS	83.2	83.7	78.4	73.7	74.6	71.5	68.8	63.9								
OVERALL SAMPLE DURATION: 32 SEC																
DIST FROM SOURCE: 2087 METERS	76.7	82.1	87.5	88.5	87.8	87.4	85.3	89.2	85.7	76.1	79.7	86.2	91.0	91.4	94.0	99.5
DIST FROM SOURCE: 2087 METERS	88.7	85.6	84.0	80.5	78.8	75.5	71.3									
OVERALL SAMPLE DURATION: 32 SEC																
DIST FROM SOURCE: 2273 METERS	76.4	81.4	85.7	84.2	79.8	81.0	85.9	88.1	82.0	74.1	80.2	87.0	87.5	88.7	91.6	97.1
DIST FROM SOURCE: 2273 METERS	86.9	84.3	79.4	77.7	76.0	70.7										
OVERALL SAMPLE DURATION: 24 SEC																
DIST FROM SOURCE: 2377 METERS	78.3	82.4	85.7	82.7	76.6	81.5	85.1	86.7	87.7	81.7	78.7	84.1	90.9	88.9	92.3	97.7
DIST FROM SOURCE: 2377 METERS	86.7	83.8	81.9	78.2	75.8	71.5										
OVERALL SAMPLE DURATION: 31 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 244 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-109-244 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OBSP (DB)
U	1/3 OBSP (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	100.8	106.6	109.8	112.8	116.0	119.8	122.4	124.8	125.8	125.3	123.3	120.8	123.4	121.9	127.9	133.9
120.1	118.9	117.2	115.6	114.0	111.8	111.9	112.6	111.5	109.6	109.6	105.6	106.0				
S	DIST FROM SOURCE: 66 METERS															
100.7	106.2	109.5	112.7	115.9	119.1	122.5	125.5	127.0	126.4	124.1	120.1	122.0	119.5		125.0	133.6
113.6	105.6	100.7	104.2	107.1	108.6	109.3	111.1	109.8	106.8	107.8	103.7	103.5				
T	DIST FROM SOURCE: 66 METERS															
100.8	106.8	110.0	112.8	116.1	120.4	122.3	124.0	124.2	123.8	122.2	121.4	124.4	123.4		129.7	134.1
122.6	121.8	120.1	118.4	116.5	113.6	113.8	112.7	111.5	111.1	106.9	107.6					
A	DIST FROM SOURCE: 134 METERS															
91.3	97.3	100.5	102.8	106.0	109.9	111.6	113.1	112.1	106.9	96.8	92.4	97.7	99.3		111.1	119.3
100.5	101.4	102.7	102.9	100.5	98.6	97.6	95.8	94.2	93.5	89.5						
B	DIST FROM SOURCE: 238 METERS															
88.9	94.2	98.0	99.7	102.8	106.3	106.9	106.5	102.2	92.5	80.1	83.5	89.4	92.7		105.3	113.5
93.9	95.6	98.6	99.1	93.3	92.6	91.7	87.7	87.7	84.4	81.0						
C	DIST FROM SOURCE: 431 METERS															
83.1	88.8	93.4	95.4	98.3	100.6	99.2	93.4	82.9	77.6	72.9	77.6	83.7	87.4		98.3	106.3
90.0	92.1	92.5	89.7	87.5	82.7	82.7	78.1	76.2								
D	DIST FROM SOURCE: 753 METERS															
79.6	84.8	89.6	91.5	94.0	96.1	92.6	86.3	75.6	66.3	68.5	74.2	77.9	80.2		89.8	101.0
82.1	84.3	84.1	80.2	75.6	75.0	71.4	69.2									
E	DIST FROM SOURCE: 1255 METERS															
78.4	83.1	88.3	89.0	90.2	89.3	82.7	76.3	77.5	72.1	69.0	75.1	78.5	80.9		86.8	96.6
82.1	81.4	79.0	73.4	72.6	71.0	66.4	61.6									
G	DIST FROM SOURCE: 2087 METERS															
77.1	82.6	87.3	87.6	86.7	85.7	82.0	85.1	81.7	74.8	80.5	86.5	90.0	89.7		92.5	98.1
87.6	84.9	79.5	77.8	75.9	71.3											
H	DIST FROM SOURCE: 2273 METERS															
77.2	82.3	85.7	84.4	79.8	83.0	86.4	90.9	85.8	74.2	79.5	87.7	89.9	86.6		91.0	97.8
85.1	81.6	79.4	77.5	74.0	69.7											
I	DIST FROM SOURCE: 2377 METERS															
79.2	83.6	86.5	83.3	76.7	84.2	88.0	91.7	88.9	78.9	79.9	87.3	90.4	89.0		92.3	98.8
86.6	83.4	80.4	78.1	75.3	70.6											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A (NUMBER 245 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) TEST AA-103-245 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		129.2	134.1
	DIST FROM SOURCE: 66 METERS															
	101.1	106.4	109.8	112.6	116.0	119.8	122.3	124.7	125.8	125.6	123.5	121.1	123.7	122.1		
	120.6	119.2	117.3	115.6	114.1	112.1	112.3	113.2	112.3	110.2	110.3	106.1	106.7			
S	DIST FROM SOURCE: 66 METERS															
	101.0	106.1	109.6	112.5	115.9	119.1	122.4	125.4	127.1	126.9	124.6	120.7	122.5	119.9	125.6	133.9
	114.2	106.1	101.8	105.5	108.4	109.8	110.5	112.4	111.1	108.0	109.0	104.7	104.9			
T	DIST FROM SOURCE: 66 METERS															
	101.3	106.6	110.0	112.6	116.0	120.5	122.1	123.8	124.0	123.8	122.2	121.5	124.7	123.5	129.8	134.2
	123.1	122.1	120.3	118.4	116.5	113.6	113.5	113.8	113.2	111.7	111.3	107.2	107.9			
A	DIST FROM SOURCE: 134 METERS															
	91.9	97.2	101.0	102.8	106.2	110.1	112.0	113.4	112.6	107.7	97.7	93.0	98.5	101.3	113.8	120.1
	104.1	105.2	106.1	105.8	103.1	101.1	100.5	98.3	97.1	96.2	92.6	92.3	89.8			
B	DIST FROM SOURCE: 238 METERS															
	89.7	94.1	98.3	99.8	103.2	106.9	107.8	107.5	103.3	92.9	81.6	86.9	92.7	95.1	108.9	114.8
	98.0	100.2	102.6	102.8	96.8	94.9	95.5	92.0	90.8	88.7	84.9	84.4				
C	DIST FROM SOURCE: 431 METERS															
	84.0	88.9	93.8	95.3	98.6	101.2	100.3	94.9	82.5	76.1	73.4	80.6	88.8	93.5	104.4	108.6
	98.0	100.1	98.5	93.8	88.7	89.6	87.5	84.4	82.4	83.1						
D	DIST FROM SOURCE: 753 METERS															
	79.2	84.0	89.2	91.6	94.0	95.6	91.9	83.0	74.9	68.5	68.2	75.0	80.2	83.1	92.9	101.1
	85.9	86.5	87.0	85.3	78.4	77.1	75.2	74.6								
E	DIST FROM SOURCE: 1255 METERS															
	78.1	82.7	87.3	88.3	89.3	88.2	81.3	77.8	78.9	74.2	71.2	75.3	81.0	82.8	89.7	96.5
	83.6	84.4	82.8	78.9	76.1	74.0	71.6	66.2								
G	DIST FROM SOURCE: 2087 METERS															
	76.1	80.8	85.0	85.1	83.1	82.5	80.2	81.5	76.1	68.0	72.8	78.4	81.1	80.6	86.6	93.4
	81.6	80.9	77.3	75.6	74.0	69.0										
M	DIST FROM SOURCE: 2273 METERS															
	76.6	81.2	85.1	83.9	81.2	83.4	80.7	82.8	78.6	71.9	74.8	79.1	81.0	81.1	87.2	93.7
	83.2	82.1	78.4	73.1	71.4	66.0										
I	DIST FROM SOURCE: 2377 METERS															
	78.6	82.5	85.8	84.3	81.2	86.8	86.6	89.8	86.0	74.1	73.4	81.0	82.8	84.1	87.3	96.3
	82.0	79.4	76.0	73.7	70.9	66.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-246  
 STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 246 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
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 ) ) )  
 ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OMSPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
OVERALL SAMPLE DURATION: 31 SEC	100.9	105.8	110.4	112.9	116.3	120.3	123.1	125.3	126.8	126.2	123.8	121.5	123.5	121.7	127.8	134.4
	120.0	118.6	116.3	114.2	112.9	111.2	111.5	112.6	111.7	109.6	109.9	105.5	105.9			
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	100.7	105.6	110.2	112.9	116.3	119.6	123.3	126.0	128.0	127.3	124.7	120.9	122.3	119.5	125.7	134.4
	114.1	106.6	101.7	105.2	108.0	109.4	110.1	112.4	111.2	107.9	109.4	104.9	105.2			
T	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	101.0	106.1	110.5	112.9	116.3	120.8	123.0	124.4	125.2	124.7	122.6	121.9	124.4	123.1	129.2	134.3
	122.5	121.5	119.3	116.9	115.2	112.4	112.5	112.8	112.1	110.8	110.4	106.0	106.5			
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 134 METERS	91.9	96.8	101.5	103.0	106.3	110.4	112.4	113.6	113.4	108.7	98.8	93.3	98.6	100.2	112.3	120.2
	101.7	102.0	103.2	104.1	103.3	100.5	96.7	97.4	94.8	94.7	90.7	90.0				
B	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 238 METERS	89.6	93.7	99.0	100.0	103.2	107.0	108.1	107.8	104.4	94.3	82.5	86.8	90.8	93.3	107.9	114.8
	95.8	97.9	100.5	102.0	98.6	93.5	94.2	90.5	88.9	86.5	82.8					
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 431 METERS	83.4	88.3	94.3	95.9	99.2	101.7	101.0	95.3	82.9	75.9	73.0	77.8	84.2	87.9	100.3	107.6
	91.6	93.8	94.7	92.2	87.8	88.6	83.1	80.9	77.9	75.0						
D	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 753 METERS	78.8	83.9	90.2	92.3	95.0	97.0	93.1	84.8	76.6	67.9	70.1	77.3	81.7	83.8	91.1	101.8
	84.2	84.5	85.7	81.2	76.9	74.1	72.2	70.3								
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 1255 METERS	79.3	83.6	89.1	89.6	90.3	89.6	85.2	75.8	72.6	69.7	69.7	76.1	80.1	84.0	89.7	97.6
	84.6	84.6	81.5	78.9	76.0	73.4	71.3	66.5								
G	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2087 METERS	77.3	81.0	84.8	81.6	78.4	81.9	83.1	85.0	82.6	74.5	80.0	87.1	89.8	87.9	91.6	96.6
	85.6	83.6	80.8	76.4	76.8	72.2										
H	OVERALL SAMPLE DURATION: 22 SEC															
DIST FROM SOURCE: 2273 METERS	77.2	80.1	82.7	75.0	79.5	85.1	85.7	87.2	83.7	75.6	80.5	85.3	86.0	84.7	89.3	95.6
	84.7	82.0	77.5	75.3	72.6	68.0										
I	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2377 METERS	78.5	80.8	82.2	74.9	83.2	87.6	88.0	90.2	88.4	75.5	75.9	81.5	85.5	86.6	90.1	97.2
	86.1	82.5	78.2	76.9	74.6	69.4										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 247 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 24 SEP 80 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.5	105.9	109.8	113.3	116.3	120.5	122.9	126.7	129.3	132.5	135.5	138.5	141.5	144.5	127.8	134.3
	119.8	116.7	116.4	114.6	113.3	111.1	111.3	112.2	111.5	109.4	109.5	105.2	105.5			
S	DIST FROM SOURCE: 66 METERS															
	100.2	105.5	109.6	113.2	116.2	119.8	123.0	125.9	127.9	127.3	124.9	121.0	122.1	119.3	125.4	134.3
	113.7	106.4	101.6	105.2	107.5	108.6	109.3	111.5	110.4	107.3	108.7	104.4	104.2			
T	DIST FROM SOURCE: 66 METERS															
	100.7	106.1	110.0	113.3	116.5	121.1	122.8	124.4	125.1	124.7	122.9	121.9	124.3	123.0	129.3	134.3
	122.3	121.6	119.4	117.4	115.7	112.7	112.6	112.9	112.3	110.8	110.3	105.8	106.5			
A	DIST FROM SOURCE: 134 METERS															
	91.2	96.6	100.8	103.7	106.8	111.0	112.6	113.9	113.2	108.4	98.8	94.2	99.4	100.3	111.8	120.2
	100.8	101.1	102.5	103.4	102.5	99.9	97.3	96.7	95.1	94.1	90.5	90.0				
B	DIST FROM SOURCE: 238 METERS															
	89.2	94.0	98.6	100.8	103.7	107.7	108.3	108.1	104.2	94.2	80.9	86.3	92.1	94.9	107.3	115.0
	97.4	98.9	100.4	100.6	95.7	93.5	93.8	89.2	87.7	86.1	83.1					
C	DIST FROM SOURCE: 431 METERS															
	83.2	88.7	94.3	96.7	99.8	102.7	101.9	97.3	85.6	81.2	75.1	79.9	85.4	88.2	101.8	108.6
	92.0	94.7	96.5	94.1	89.9	89.1	86.2	80.8	78.3	77.0						
D	DIST FROM SOURCE: 753 METERS															
	77.4	83.4	90.1	93.5	95.4	97.5	93.8	87.0	78.7	70.0	70.7	79.8	86.2	90.6	95.0	103.0
	90.3	87.5	88.8	82.4	78.8	78.6	74.4	70.9								
E	DIST FROM SOURCE: 1255 METERS															
	78.5	83.3	88.1	89.3	90.3	88.9	82.7	77.5	75.2	73.5	70.2	76.6	78.7	83.7	89.7	97.1
	83.7	85.9	81.2	79.0	74.8	71.4	69.5	64.2								
G	DIST FROM SOURCE: 2087 METERS															
	75.9	80.1	83.9	81.7	78.3	82.4	82.8	86.1	84.1	74.7	80.9	87.2	90.1	88.6	93.3	97.5
	89.2	86.2	82.9	79.6	77.0	72.7										
M	DIST FROM SOURCE: 2273 METERS															
	75.2	78.7	79.5	70.4	80.3	85.2	84.8	85.6	80.0	76.4	78.1	83.5	85.6	86.1	89.6	95.0
	85.4	81.2	79.9	76.2	73.2	69.0										
I	DIST FROM SOURCE: 2377 METERS															
	77.2	79.9	78.9	76.9	84.4	87.1	88.2	90.7	88.4	78.9	80.9	86.5	87.6	88.0	92.5	98.3
	88.0	85.3	81.2	81.2	79.0	73.1										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-248  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 248 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		128.1	134.5
DIST FROM SOURCE: 66 METERS																
	100.6	106.2	110.1	112.9	116.4	120.6	123.4	125.4	126.7	126.2	124.0	121.7	123.8	121.8		
	120.2	119.0	116.9	115.1	113.9	111.7	111.9	112.8	112.0	110.0	110.0	106.0	106.1			
OVERALL SAMPLE DURATION: 32 SEC																
S	DIST FROM SOURCE: 66 METERS															
	100.3	105.7	109.9	112.7	116.3	119.9	123.4	126.0	127.8	127.3	124.9	121.1	122.4	119.3	125.5	134.4
	114.0	107.0	101.8	104.8	107.3	108.6	109.2	111.5	110.5	107.4	108.6	105.0	104.2			
OVERALL SAMPLE DURATION: 32 SEC																
T	DIST FROM SOURCE: 66 METERS															
	100.8	106.6	110.4	113.0	116.5	121.2	123.3	124.6	125.1	124.6	122.8	122.2	124.8	123.4	129.7	134.6
	122.7	121.8	119.8	118.0	116.4	113.4	113.6	113.8	113.2	111.6	111.1	105.9	107.5			
OVERALL SAMPLE DURATION: 27 SEC																
A	DIST FROM SOURCE: 134 METERS															
	92.0	97.2	101.5	103.2	106.6	110.6	112.6	113.7	113.4	108.5	98.6	94.6	99.8	100.5	112.3	120.3
	100.9	101.5	103.1	104.2	103.0	100.3	97.5	97.4	95.1	94.6	90.6	90.0				
OVERALL SAMPLE DURATION: 31 SEC																
B	DIST FROM SOURCE: 238 METERS															
	89.6	94.5	99.4	100.7	103.9	107.7	108.4	107.9	103.9	94.3	81.7	86.1	91.5	94.3	107.6	115.0
	96.8	98.0	100.2	101.3	97.4	93.8	94.6	89.9	88.6	86.9	82.9					
OVERALL SAMPLE DURATION: 32 SEC																
C	DIST FROM SOURCE: 431 METERS															
	83.6	88.8	94.4	96.2	99.8	102.7	101.5	95.4	84.3	76.5	74.3	80.2	86.4	90.9	101.0	108.3
	94.9	96.3	93.3	91.3	86.9	88.2	85.1	81.4	79.3	79.1						
OVERALL SAMPLE DURATION: 32 SEC																
D	DIST FROM SOURCE: 753 METERS															
	79.4	84.7	90.9	92.8	95.4	97.3	93.2	87.2	78.4	66.5	68.7	77.9	85.1	89.2	93.5	102.7
	90.8	86.5	84.9	78.4	76.4	74.7	70.7	67.1								
OVERALL SAMPLE DURATION: 31 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	78.5	83.6	89.4	89.5	90.4	90.0	85.3	78.3	73.7	69.3	69.7	75.9	78.6	80.9	87.0	97.2
	81.7	82.4	78.8	74.5	72.9	70.6	66.5	61.9								
OVERALL SAMPLE DURATION: 31 SEC																
G	DIST FROM SOURCE: 2087 METERS															
	76.9	80.4	84.5	81.2	75.7	77.0	79.4	83.6	78.5	70.3	75.0	80.6	82.0	82.0	86.4	92.7
	80.9	79.7	77.9	74.3	69.7	67.4										
OVERALL SAMPLE DURATION: 24 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	76.9	80.4	82.6	76.3	77.3	79.7	77.7	76.9	72.7	70.1	74.3	79.8	81.9	82.4	87.6	92.2
	84.3	80.7	79.7	74.6	70.5	67.0										
OVERALL SAMPLE DURATION: 31 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	78.4	80.9	81.6	76.7	82.2	80.8	80.7	83.8	81.7	71.1	73.7	81.0	82.7	84.6	87.5	93.4
	83.3	79.0	77.1	75.5	70.4	66.7										
OVERALL SAMPLE DURATION: 31 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-249

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: NUMBER 249  
 DATE 24 SEP 80  
 )  
 MICROPHONE:  
 ARRAY 04

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	100.5	105.4	108.6	112.0	114.6	119.3	121.8	124.2	124.8	123.2	119.6	115.3	114.8	114.6	123.7	131.4
	114.1	112.6	111.9	113.2	112.9	110.3	109.1	108.9	108.9	105.3	104.7	100.3				
S	DIST FROM SOURCE: 75 METERS															
	98.9	104.1	108.1	111.2	113.8	117.9	121.4	124.5	125.9	124.7	121.5	116.0	112.5	106.8	120.1	131.6
	101.0	95.5	95.0	96.6	99.8	100.7	102.1	104.5	103.9	97.7	99.8	97.3				
T	DIST FROM SOURCE: 75 METERS															
	101.8	106.4	109.1	112.6	115.3	120.3	122.2	123.9	123.2	120.9	116.2	114.5	116.2	117.3	125.6	131.3
	117.0	115.6	114.9	116.2	115.8	113.1	111.7	111.0	111.2	108.0	106.9	102.0	102.8			
A	DIST FROM SOURCE: 134 METERS															
	94.0	99.0	103.1	105.8	108.1	114.3	116.3	117.6	116.2	109.8	100.9	95.1	96.8	98.9	112.9	123.2
	99.7	99.3	99.5	100.8	102.1	101.8	101.9	101.5	99.0	98.0	95.0	93.1	89.5			
B	DIST FROM SOURCE: 238 METERS															
	85.8	91.9	96.7	99.2	101.6	106.9	108.0	108.1	104.3	94.8	82.2	83.9	86.1	86.9	101.4	113.9
	87.2	88.0	88.6	89.1	90.2	90.8	91.0	89.8	88.2	85.2	80.5					
C	DIST FROM SOURCE: 423 METERS															
	81.3	86.6	91.3	93.6	95.9	100.9	101.2	98.0	86.6	74.8	66.9	71.2	73.9	74.5	88.4	106.1
	76.0	76.0	75.5	75.6	76.7	75.8										
E	DIST FROM SOURCE: 1255 METERS															
	69.7	75.3	80.1	81.4	83.0	86.3	84.5	78.8	71.3	58.1	54.3	58.2	60.0	61.0	72.3	91.1
	61.7	61.7	61.6	61.3	59.6	55.9										
F	DIST FROM SOURCE: 1757 METERS															
	59.8	65.0	70.0	71.4	71.5	72.5	70.5	68.1	60.1	49.1	49.7	53.7	55.8	56.8	64.7	83.5
	56.8	56.1	55.5	54.5	51.7	47.1										
G	DIST FROM SOURCE: 2079 METERS															
	62.0	67.0	71.0	71.4	71.5	72.5	70.5	63.6	59.0	48.1					60.4	79.0
	59.3	52.0	50.8	49.1	45.6											
H	DIST FROM SOURCE: 2273 METERS															
	65.7	70.0	68.9	70.1	71.3	70.1	63.6	56.1							58.5	77.4
	52.7	51.6	50.7													
I	DIST FROM SOURCE: 2377 METERS															
	57.1	62.2	66.5	65.3	68.3	67.7	60.0									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 250 ) ARRAY ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 24 SEP 80 ) ) TEST AA-104-250 )  
 ( ) ( ) ( ) ) DATE 05 FEB 87 )  
 ( ) ( ) ( ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.9	105.1	108.3	111.7	114.7	119.2	121.4	124.0	124.9	123.2	119.3	115.2	114.9	114.5	123.6	131.3
	113.9	112.5	111.8	113.3	112.8	110.3	109.2	108.9	108.7	105.2	104.5	100.2				
S	DIST FROM SOURCE: 75 METERS															
	98.2	103.8	107.7	110.9	113.9	117.8	121.0	124.3	126.1	124.7	121.2	115.9	112.6	106.9	120.0	131.5
	101.2	95.4	94.7	96.3	99.3	99.8	101.2	103.7	103.2	96.9	98.5	96.5				
	OVERALL SAMPLE DURATION: 32 SEC															
T	DIST FROM SOURCE: 75 METERS															
	101.2	106.1	108.8	112.4	115.3	120.2	121.6	123.6	123.4	121.0	116.0	114.5	116.4	117.1	125.6	131.2
	116.8	115.5	114.7	116.3	115.8	113.1	111.8	111.2	111.0	107.9	107.0	102.2	102.8			
	OVERALL SAMPLE DURATION: 32 SEC															
A	DIST FROM SOURCE: 134 METERS															
	93.6	98.5	102.9	105.7	108.3	114.3	116.1	117.4	116.4	109.7	100.6	95.4	97.1	99.2	112.4	123.1
	100.0	99.6	99.6	100.5	101.5	101.1	100.7	100.3	98.0	97.1	93.8	92.1	88.3			
	OVERALL SAMPLE DURATION: 33 SEC															
B	DIST FROM SOURCE: 238 METERS															
	85.7	91.8	96.6	99.1	101.8	107.1	108.0	108.1	104.6	94.8	82.0	83.4	86.0	88.1	101.6	114.0
	89.0	88.9	89.5	90.1	91.3	91.1	90.3	88.7	87.0	84.3	78.8					
	OVERALL SAMPLE DURATION: 33 SEC															
C	DIST FROM SOURCE: 423 METERS															
	80.6	86.3	91.2	93.5	95.9	101.0	100.8	97.7	86.2	74.9	67.9	72.4	75.5	75.6	88.2	105.9
	75.3	74.8	75.7	76.0	76.2	75.5										
	OVERALL SAMPLE DURATION: 32 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	70.7	76.0	81.1	82.8	83.7	86.9	85.6	80.2	70.3	57.3	55.3	59.4	61.3	62.6	73.2	92.0
	63.0	63.0	62.4	61.8	59.6	56.4										
	OVERALL SAMPLE DURATION: 33 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	65.5	71.9	77.6	79.0	78.5	79.2	73.0	66.0	55.9	49.1	51.1	55.0	56.9	58.2	66.4	85.3
	58.7	58.7	58.5	57.0	53.3	48.4										
	OVERALL SAMPLE DURATION: 32 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	61.0	68.4	73.1	74.2	74.9	75.3	71.4	64.6	57.6	48.7						
	54.8	54.5	54.1	52.8	49.5	45.6										
	OVERALL SAMPLE DURATION: 32 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	61.3	66.3	70.8	71.4	71.5	73.4	70.8	62.5	56.6							
	52.2	51.4	50.9	49.5	47.1	43.2										
	OVERALL SAMPLE DURATION: 32 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	57.6	62.2	66.8	67.4	68.2	69.3	67.5	59.8	55.9							
	48.3	48.3	48.3	47.1												
	OVERALL SAMPLE DURATION: 32 SEC															



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT:		NUMBER 251		MICROPHONE:		IDENTIFICATION:									
LOCATION 02	HT AGL	1.5 M	DATE	24 SEP	80	ARRAY	04	OMEGA	12.2								
TEST AA-104-251	DATE		05 FEB		PAGE		F1										
<p>1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)</p>																	
U	25	31.5	40	50	60	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
DIST FROM SOURCE: 75 METERS																	
OVERALL SAMPLE DURATION: 32 SEC																	
	99.8	105.7	108.3	111.4	114.5	119.0	121.5	124.1	124.7	123.0	119.2	115.0	114.5	114.2	123.4	131.2	
	113.6	112.0	111.4	112.9	112.7	110.1	109.9	108.8	108.7	105.0	104.5	100.2	100.7				
S	DIST FROM SOURCE: 75 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	98.1	104.4	107.8	110.5	113.8	117.7	121.1	124.4	125.9	124.5	121.1	115.7	112.4	106.5	119.9	131.4	
	100.7	94.9	94.5	95.9	99.2	100.0	101.6	104.3	103.9	97.5	99.7	97.2	96.9				
T	DIST FROM SOURCE: 75 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	101.0	106.7	108.8	112.1	115.2	120.0	121.9	123.7	123.1	120.8	115.9	114.1	116.0	116.8	125.3	131.1	
	116.5	115.0	114.4	115.9	115.6	112.9	111.5	110.9	110.9	107.6	105.8	102.0	102.7				
A	DIST FROM SOURCE: 134 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	93.4	99.3	102.9	105.4	108.2	114.1	116.2	117.6	116.2	109.7	100.8	95.3	96.8	98.6	112.0	123.0	
	99.4	98.7	98.6	99.5	100.6	100.3	100.3	100.1	99.1	96.8	93.8	91.9	88.0				
B	DIST FROM SOURCE: 238 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	85.5	92.4	96.5	98.8	101.8	106.8	108.1	109.3	104.5	95.0	82.3	82.7	85.3	87.2	101.1	114.0	
	88.0	87.9	88.3	89.1	90.4	90.1	89.5	88.2	86.5	84.3	79.3						
C	DIST FROM SOURCE: 423 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	80.7	87.0	91.3	93.4	96.2	100.8	100.9	97.9	85.4	75.3	67.6	70.4	72.6	74.4	87.6	106.0	
	74.2	73.5	74.5	74.1	74.0	74.0											
E	DIST FROM SOURCE: 1255 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	70.5	77.2	81.2	81.5	83.0	86.2	89.5	81.7	72.8	58.6	59.4	62.2	64.2	74.0	91.8		
	64.8	64.5	63.7	63.1	61.0	58.0											
F	DIST FROM SOURCE: 1757 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	66.4	72.3	76.8	77.2	76.1	76.9	69.3	67.2	59.4	50.4	54.3	56.2	57.5	65.1	83.5		
	57.8	57.1	56.9	55.7	53.1	48.9											
G	DIST FROM SOURCE: 2079 METERS																
OVERALL SAMPLE DURATION: 31 SEC																	
	69.7	73.4	72.7	72.9	72.4	67.3											
	53.4	52.4	52.1														
H	DIST FROM SOURCE: 2273 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	62.8	68.3	71.9	70.7	70.3	71.3	66.6	61.3									
	51.6	50.8															
I	DIST FROM SOURCE: 2377 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	59.8	64.7	68.0	67.4	67.6	67.7	63.1	58.7									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-252  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: NUMBER 252  
 DATE 24 SEP 80  
 )  
 ) MICROPHONE:  
 ) ARRAY 04  
 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	100.4	105.3	108.4	111.8	114.8	119.4	122.0	124.3	125.1	123.3	119.4	115.3	115.0	115.0	115.0	123.9
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	98.7	104.0	107.9	111.0	114.1	118.1	121.5	124.7	126.3	124.7	121.3	116.1	112.8	107.3	120.4	131.7
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	101.7	106.3	109.0	112.5	115.4	120.4	122.4	124.0	123.5	121.0	116.0	114.3	116.4	117.6	125.8	131.5
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	94.3	98.7	103.0	105.9	108.5	114.4	116.6	117.8	116.6	109.8	100.8	95.0	97.1	99.7	114.4	123.5
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	86.1	91.7	96.6	99.3	102.0	107.2	108.4	108.5	104.9	95.0	82.1	83.2	86.3	88.3	104.1	114.4
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	81.3	86.7	91.6	94.2	96.6	101.3	101.3	98.1	85.8	75.1	68.0	70.2	71.8	73.6	88.4	106.4
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	71.5	75.7	80.1	81.6	84.2	86.9	85.4	80.2	70.4	57.4	55.6	58.8	61.7	63.7	73.9	91.9
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	64.8	64.8	64.5	63.2	61.0	57.0	71.7	68.4				54.1	56.6	58.3	66.1	83.5
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	63.4	68.3	71.5	70.5	72.2	72.4	52.8	53.2								
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	62.4	66.4	69.6	67.8	70.3	71.5	69.3	51.3	52.2							
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	49.3	62.9	66.0	64.2	67.5	68.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 253 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 24 SEP 80 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-253 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.7	104.7	108.4	111.6	114.9	118.7	121.4	124.1	124.7	123.2	119.4	115.4	115.0	114.6	123.5	131.3
	114.0	112.4	111.7	113.1	112.7	110.2	109.3	108.9	108.7	105.2	104.6					
	OVERALL SAMPLE DURATION: 30 SEC															
S	DIST FROM SOURCE: 75 METERS															
	98.0	103.5	107.9	110.8	114.2	117.4	121.0	124.4	125.9	124.7	121.2	116.0	112.8	107.1	119.9	131.5
	101.4	95.4	94.6	95.8	98.7	99.3	100.7	103.4	103.1	96.6	98.2					
	OVERALL SAMPLE DURATION: 31 SEC															
T	DIST FROM SOURCE: 75 METERS															
	100.9	105.7	108.9	112.3	115.5	119.8	121.8	123.7	123.1	121.0	116.2	114.6	116.5	117.2	125.5	131.2
	116.9	115.4	114.6	116.1	115.6	113.0	112.0	111.2	111.0	107.9	107.1	102.4	103.0			
	OVERALL SAMPLE DURATION: 30 SEC															
A	DIST FROM SOURCE: 134 METERS															
	93.4	98.2	103.2	105.8	108.6	113.9	116.3	117.7	116.4	110.0	101.0	95.8	97.8	99.9	112.7	123.2
	100.8	100.4	100.0	100.7	101.7	101.4	101.1	100.6	98.0	97.3	94.2	92.4	88.6			
	OVERALL SAMPLE DURATION: 30 SEC															
B	DIST FROM SOURCE: 238 METERS															
	85.5	91.2	96.5	98.9	102.0	106.3	107.9	108.3	104.4	94.9	81.5	84.3	88.0	89.9	103.7	114.0
	90.8	91.6	92.6	93.1	94.0	93.7	93.0	91.7		87.1	82.1	80.2				
	OVERALL SAMPLE DURATION: 31 SEC															
C	DIST FROM SOURCE: 423 METERS															
	80.1	85.9	91.2	93.4	96.2	100.2	100.5	97.8	86.2	74.3	66.5	71.3	73.4	74.1	88.5	105.7
	75.8	76.1	76.4	76.3	77.4	77.8										
	OVERALL SAMPLE DURATION: 32 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	70.9	75.8	81.0	81.8	83.5	86.3	84.3	78.8	70.6	57.4	55.8	59.6	61.7	63.6	73.1	91.3
	64.0	64.0	63.4	62.4	60.0	56.5										
	OVERALL SAMPLE DURATION: 31 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	63.0	68.4	72.9	72.2	71.9	70.8										
	OVERALL SAMPLE DURATION: 31 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	62.9	66.5	71.1	69.6	69.2	68.3	69.2									
	OVERALL SAMPLE DURATION: 31 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	58.8	63.1	67.1	65.7	66.6	64.6										
	OVERALL SAMPLE DURATION: 31 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 254 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 24 SEP 80 ) ) TEST AA-104-254  
 ( ) ) ) DATE 05 FEB 87  
 ( ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	ORSP (DB)
U	1/3 ORSP (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	99.4	105.2	108.7	111.9	115.1	119.1	122.0	124.1	125.1	123.4	119.6	115.4	115.2	115.2	124.0	131.6
	114.8	113.3	112.5	113.7	113.1	110.2	108.9	109.0	108.6	105.2	104.8	100.5	100.9			
S	DIST FROM SOURCE: 75 METERS															
	97.7	104.0	108.1	111.1	114.3	117.8	121.6	124.5	126.3	124.9	121.5	116.2	112.9	107.5	120.4	131.7
	102.2	96.7	96.1	97.4	100.8	101.5	102.6	105.3	104.9	98.7	100.7	98.1	97.5			
T	DIST FROM SOURCE: 75 METERS															
	100.6	106.2	109.2	112.6	115.7	120.0	122.4	123.7	123.4	121.1	116.2	114.4	116.6	117.8	125.9	131.5
	117.7	116.3	115.5	116.7	116.0	112.9	111.3	111.0	110.6	107.7	106.8	102.1	102.8			
A	DIST FROM SOURCE: 134 METERS															
	93.3	98.8	103.2	106.0	108.6	114.2	116.8	117.7	116.6	110.1	100.8	95.7	98.1	100.7	114.0	123.5
	101.5	101.2	101.2	102.1	103.2	103.2	103.1	102.6	100.6	99.7	96.8	94.9	91.4			
B	DIST FROM SOURCE: 238 METERS															
	85.1	91.7	96.7	99.2	102.0	106.8	108.5	108.2	104.7	95.1	82.0	83.6	86.4	89.0	103.7	114.3
	90.6	91.3	92.3	92.9	93.6	93.5	93.0	91.7	89.5	87.3	82.7	80.7				
E	DIST FROM SOURCE: 1255 METERS															
	71.1	75.7	80.6	81.7	83.2	85.9	84.7	78.8	69.3	56.6	55.1	59.1	61.4	63.3	72.6	91.1
	63.2	62.8	62.2	61.1	59.2	55.9										
F	DIST FROM SOURCE: 1757 METERS															
	57.5	56.6	56.6	55.5	53.0											
	69.8	74.7	75.8	75.2	76.1											
G	DIST FROM SOURCE: 2079 METERS															
	60.2	66.2	70.7	70.4	69.7	68.7										
	53.5	50.9														
H	DIST FROM SOURCE: 2273 METERS															
	64.5	68.9	68.5			66.5										
	56.9	57.2														
I	DIST FROM SOURCE: 2377 METERS															
	61.0	65.1	65.7	66.0	63.7											
	53.2	54.0														
	52.0															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 255 ) ) OMEGA 12.2 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 24 SEP 80 ) ) ARRAY 04 ) TEST AR-104-255 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.6	104.9	107.8	111.0	114.4	118.7	121.2	123.7	124.6	122.9	119.4	114.9	114.2	113.9	123.0	131.0
	113.3	111.9	111.1	112.5	112.0	109.3	107.8	108.0	108.0	104.0	103.5	99.5	100.0			
S	75 METERS															
DIST FROM SOURCE:	98.4	104.1	107.7	110.7	114.2	118.0	121.3	124.5	126.1	124.7	121.5	116.1	112.7	107.3	120.3	131.6
	101.8	96.1	95.4	96.9	100.2	100.9	102.1	104.8	104.5	98.2	99.9	97.4	97.3			
T	75 METERS															
DIST FROM SOURCE:	100.6	105.5	107.8	111.3	114.5	119.3	121.1	122.8	122.3	119.9	115.2	113.3	115.3	116.4	124.6	130.3
	116.2	114.9	114.0	115.4	114.8	111.9	110.2	109.8	109.9	106.4	105.4	100.9	101.7			
A	134 METERS															
DIST FROM SOURCE:	93.9	99.1	102.9	105.6	108.6	114.5	116.4	117.8	116.4	109.9	101.0	95.3	97.1	99.7	113.3	123.4
	100.6	100.4	100.3	101.3	102.5	102.4	102.2	101.8	99.5	98.8	95.8	94.0	90.4			
B	238 METERS															
DIST FROM SOURCE:	85.6	92.0	96.3	98.7	101.8	106.9	108.1	108.3	104.6	95.1	82.1	83.3	85.7	87.9	103.1	114.1
	89.1	89.9	90.8	91.6	92.8	93.1	92.8	91.6	89.4	87.6	82.6	80.6				
C	423 METERS															
DIST FROM SOURCE:	80.7	86.7	91.0	93.4	96.3	100.9	100.9	98.1	86.2	74.4	66.5	70.0	72.6	75.1	89.5	106.0
	75.1	75.3	76.7	78.2	79.5	79.4										
E	1255 METERS															
DIST FROM SOURCE:	70.4	76.1	80.7	82.0	84.4	86.9	89.1	79.3	70.5	56.7	55.2	58.9	61.3	62.8	73.0	91.8
	63.2	62.9	62.8	62.0	59.8	55.9										
F	1757 METERS															
DIST FROM SOURCE:	65.8	69.9	75.5	76.3	76.4	77.1							56.5	57.1	63.8	82.7
	57.4	56.3	55.8	54.6	52.9											
G	2079 METERS															
DIST FROM SOURCE:	62.4	66.9	70.7	71.5	72.6	72.0							56.5	55.9	62.1	78.3
	56.1	56.2	53.3	52.4	51.0											
H	2273 METERS															
DIST FROM SOURCE:	62.6	65.8	68.8	69.2	70.1	70.3	68.3						54.0	54.5	61.5	76.9
	54.5	53.7	53.4	51.6	50.8	49.3										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-256 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 256 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 )  
 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	99.3	104.8	107.9	111.0	114.1	118.2	121.1	123.4	124.6	129.1	114.9	114.6	114.0		123.0	130.9
	113.5	112.1	111.2	112.4	112.0	109.3	108.1	108.0	107.8	104.3	103.6	99.6				
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
S	DIST FROM SOURCE: 75 METERS															
	98.3	104.1	107.9	110.8	113.9	117.6	121.2	124.2	126.1	124.9	121.2	116.1	113.1	107.5	120.2	131.5
	102.1	96.6	95.9	97.0	100.2	100.9	102.0	104.4	104.1	97.8	99.1	96.9				
OVERALL SAMPLE DURATION: 35 SEC																
T	DIST FROM SOURCE: 75 METERS															
	100.1	105.4	107.9	111.3	114.3	118.7	120.9	122.5	122.2	120.1	114.8	113.4	115.6	116.5	124.7	130.2
	116.4	115.0	114.2	115.4	114.9	112.0	110.5	110.0	109.8	106.8	105.7	101.2	101.8			
OVERALL SAMPLE DURATION: 35 SEC																
A	DIST FROM SOURCE: 134 METERS															
	93.6	99.0	103.1	105.7	108.4	114.0	116.3	117.5	116.5	110.2	101.0	95.9	97.9	100.3	113.6	123.2
	101.0	100.8	100.9	101.7	102.8	102.7	102.5	102.0	99.9	99.6	96.6	95.2	91.5			
OVERALL SAMPLE DURATION: 35 SEC																
B	DIST FROM SOURCE: 238 METERS															
	85.4	91.9	96.4	98.8	101.6	106.5	108.0	108.1	104.6	95.4	82.2	83.8	87.0	90.0	103.9	114.0
	91.1	91.6	92.2	92.6	93.6	93.8	93.3	92.3	90.1	88.4	84.0	81.6				
OVERALL SAMPLE DURATION: 35 SEC																
C	DIST FROM SOURCE: 423 METERS															
	80.8	86.5	91.1	93.3	96.0	100.5	100.7	97.7	86.1	75.0	67.7	70.3	72.6	75.1	88.4	105.8
	74.9	75.7	76.4	76.5	77.2	77.2										
OVERALL SAMPLE DURATION: 36 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	70.8	75.7	79.7	80.9	83.1	85.6	83.9	78.6	68.7	59.5	58.8	61.1	63.0	72.3	90.7	
	63.2	62.5	62.0	61.3	59.1	55.7										
OVERALL SAMPLE DURATION: 35 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	65.0	69.3	74.0	73.3	74.3	76.2										
	56.1	56.0	54.5	53.0												
OVERALL SAMPLE DURATION: 35 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	63.0	67.1	70.4	69.4	69.7	68.6										
	53.4															
OVERALL SAMPLE DURATION: 35 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	61.9	65.9	69.4	68.6	68.7	68.3										
	52.2	51.3	47.9													
OVERALL SAMPLE DURATION: 35 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	63.3	66.3	66.6	66.2												
	49.9	48.0														
OVERALL SAMPLE DURATION: 35 SEC																

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
OMEGA 12.2 )  
TEST AA-103-257 )  
DATE 05 FEB 87 )  
PAGE F1 )  
STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
SOUND SOURCE: C-135A ( NUMBER 257 )  
LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 )  
MICROPHONE: )  
ARRAY 03 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 66 METERS	98.3	104.2	107.5	110.8	114.4	118.9	121.7	124.1	125.5	125.0	122.3	120.4	122.8	127.0	133.2
S	DIST FROM SOURCE: 66 METERS	119.6	118.5	116.2	114.1	112.5	110.2	111.0	111.1	109.0	108.3	105.1	105.1			
	DIST FROM SOURCE: 66 METERS	98.0	103.9	107.4	110.8	114.4	118.4	121.8	124.7	126.7	126.1	123.2	119.9	121.6	124.3	133.1
T	DIST FROM SOURCE: 66 METERS	114.3	109.5	104.9	103.6	105.0	105.8	105.6	107.9	109.1	106.2	105.2	103.5	103.5		
A	DIST FROM SOURCE: 134 METERS	98.6	104.4	107.6	110.8	114.4	119.4	121.5	123.4	124.0	123.5	121.1	120.9	123.8	128.7	133.4
	DIST FROM SOURCE: 134 METERS	121.9	121.2	119.0	116.9	115.1	112.3	112.4	112.8	112.4	110.7	110.1	106.3	106.3		
B	DIST FROM SOURCE: 238 METERS	90.2	95.6	99.2	101.9	105.4	110.2	112.2	113.8	113.6	110.0	103.2	96.7	98.1	113.0	120.4
	DIST FROM SOURCE: 238 METERS	100.5	100.8	101.5	102.0	101.9	102.8	101.4	101.1	100.2	100.7	96.7	95.2	92.4		
C	DIST FROM SOURCE: 431 METERS	87.7	92.3	96.6	98.4	101.6	106.0	107.1	107.9	106.2	100.1	87.7	84.2	88.2	100.5	113.8
	DIST FROM SOURCE: 431 METERS	89.8	88.8	88.9	88.5	87.9	87.2	85.5	84.3							
D	DIST FROM SOURCE: 753 METERS	80.9	86.1	91.0	93.3	96.5	100.2	99.9	97.6	90.7	84.3	73.4	73.6	75.8	90.2	105.6
	DIST FROM SOURCE: 753 METERS	78.5	79.2	79.1	78.9	79.3	78.3	77.0	74.5	72.5						
E	DIST FROM SOURCE: 1255 METERS	76.6	79.7	85.3	88.3	91.5	95.2	93.3	88.7	77.2	66.4	64.0	69.4	72.9	86.3	99.6
	DIST FROM SOURCE: 1255 METERS	76.4	76.9	78.7	78.7	77.0	73.4	69.8								
F	DIST FROM SOURCE: 1757 METERS	72.4	75.9	81.1	83.3	85.7	87.9	85.4	81.7	74.1	65.1	60.5	64.1	66.9	78.2	92.9
	DIST FROM SOURCE: 1757 METERS	69.7	69.6	69.6	69.4	67.7	64.9	60.8								
G	DIST FROM SOURCE: 2087 METERS	62.1	61.5	60.5	59.1	58.8	59.3	75.6	75.1	68.0	60.7	57.9	59.9	60.9	69.5	85.3
	DIST FROM SOURCE: 2087 METERS	72.0	75.5	77.1	78.2	78.6										
I	DIST FROM SOURCE: 2377 METERS	59.8	58.8	58.1	56.2	53.1	49.8	71.3	67.1	61.0	54.4	54.8	57.6	59.8	66.4	81.3
	DIST FROM SOURCE: 2377 METERS	64.2	69.0	73.3	74.4	74.0	74.6	63.3	66.3	62.1	56.0	55.0	59.1	61.7	67.1	81.3
	DIST FROM SOURCE: 2377 METERS	61.3	59.9	58.3	56.3	53.1	47.7									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 258 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 24 SEP 80 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-258 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.8	104.0	107.9	110.7	114.2	118.5	121.4	124.1	125.4	124.8	122.4	120.4	123.1	121.2	127.4	133.3
	119.9	118.7	116.9	115.1	113.0	110.4	111.0	110.9	109.1	108.3	104.9	104.9				
S	DIST FROM SOURCE: 66 METERS															
	98.5	103.8	107.9	110.7	114.2	118.0	121.5	124.7	126.4	125.8	123.3	119.8	121.7	119.3	124.4	133.0
	114.9	109.9	105.2	103.2	105.1	105.8	105.4	107.5	108.1	105.6	104.8	102.6	102.6			
T	DIST FROM SOURCE: 66 METERS															
	99.1	104.2	108.0	110.7	114.1	119.0	121.3	123.4	124.0	123.5	121.4	121.0	124.1	122.6	129.1	133.5
	122.1	121.5	119.7	118.0	115.6	112.6	112.7	113.0	112.6	111.0	110.3	106.4	106.3			
A	DIST FROM SOURCE: 134 METERS															
	90.3	95.5	99.7	101.7	105.1	109.9	111.8	113.8	113.5	109.6	103.0	96.7	98.5	99.5	112.3	120.1
	100.7	101.1	101.3	101.1	100.9	101.7	100.2	99.9	99.0	99.5	95.3	93.7	91.5			
B	DIST FROM SOURCE: 238 METERS															
	87.9	92.1	96.9	98.1	101.2	105.8	106.5	107.7	105.9	99.9	87.6	82.9	85.2	86.6	101.2	113.5
	87.4	87.4	88.9	89.4	89.2	90.2	89.0	88.1	87.6	85.2						
C	DIST FROM SOURCE: 431 METERS															
	80.6	85.3	90.7	92.4	95.4	99.1	98.7	96.6	89.5	82.6	72.0	71.8	73.9	74.3	89.4	104.5
	76.2	77.1	77.8	78.3	79.1	79.1	77.4	74.0								
D	DIST FROM SOURCE: 753 METERS															
	73.9	78.3	84.2	86.6	89.3	93.6	92.1	89.0	78.4	66.1	62.0	65.0	67.6	68.7	80.8	98.1
	69.7	70.0	69.6	69.4	68.7	67.1	64.1	59.6								
E	DIST FROM SOURCE: 1255 METERS															
	71.2	75.2	80.6	82.9	84.7	86.9	84.9	80.6	73.5	65.5	61.5	64.1	65.9	67.3	76.6	92.1
	68.8	68.7	67.7	67.2	65.3	62.0	57.5									
F	DIST FROM SOURCE: 1757 METERS															
	67.0	69.8	74.6	75.0	75.9	75.2	75.4	73.5	68.5	64.7	58.1	59.5	61.1	61.0	69.1	83.4
	61.8	61.2	60.6	59.3	56.7	53.2										
G	DIST FROM SOURCE: 2087 METERS															
	64.3	67.3	71.7	73.0	72.8	71.9	65.9	66.6	60.6	59.7	56.3	59.1	61.4	60.8	67.4	79.7
	61.1	60.0	59.3	57.7	54.8	51.1										
I	DIST FROM SOURCE: 2377 METERS															
	63.1	66.3	72.2	72.4	72.7	72.7	67.2	66.1	62.4	56.8	54.9	58.7	60.9	61.5	67.1	79.8
	61.4	60.2	58.8	56.6	53.4	47.8										



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( NUMBER 259 ) ) OMEGA 12.2 )  
 LOCATION 01 ( DATE 24 SEP 80 ) ) TEST AA-103-259 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.0	103.8	108.1	110.9	114.0	118.7	121.3	124.0	125.6	124.9	122.2	120.3	122.7	120.7	126.9	133.1
	119.3	118.4	116.2	113.9	112.2	109.9	110.0	110.4	110.3	107.9	106.9	103.1	102.5			
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	97.6	103.6	108.0	110.9	114.0	118.2	121.4	124.6	126.7	126.0	123.1	119.7	121.5	118.9	124.2	133.0
	114.6	110.1	105.6	103.7	105.1	105.5	105.2	107.0	107.9	105.0	104.0	101.2	100.7			
T	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 66 METERS	98.9	104.0	108.2	110.9	114.0	119.2	121.2	123.2	124.1	123.5	121.1	120.7	123.6	121.9	128.5	133.2
	121.5	121.1	119.0	116.7	114.7	112.1	112.2	112.3	111.8	109.7	108.6	104.4	103.7			
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 134 METERS	89.6	95.3	99.9	102.1	105.0	109.9	111.7	113.7	113.8	110.0	103.4	97.9	98.5	99.0	111.9	120.1
	99.9	100.1	100.4	100.7	100.4	101.4	99.6	99.3	98.7	98.9	94.6	93.4	90.9			
B	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 238 METERS	87.4	92.1	97.3	98.7	101.4	106.2	106.6	108.1	107.0	100.3	89.2	85.1	87.2	88.5	100.8	114.0
	89.4	88.8	88.9	88.9	88.0	88.0	86.7	85.6	82.0							
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 431 METERS	80.6	85.9	91.6	93.4	96.0	99.7	98.8	96.8	92.3	86.3	75.5	73.8	75.9	77.1	89.7	105.1
	78.3	79.1	78.7	78.8	78.1	76.7	75.1	73.1								
D	OVERALL SAMPLE DURATION: 21 SEC															
DIST FROM SOURCE: 753 METERS	74.5	79.5	85.8	88.4	90.7	94.9	92.9	89.7	77.6	67.4	63.1	65.9	67.4	68.8	81.1	99.3
	69.8	69.7	69.4	69.1	68.1	66.4	64.0	60.4								
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 1255 METERS	72.1	76.6	82.7	84.5	86.4	89.1	86.2	81.5	71.6	65.1	62.3	65.9	67.7	67.9	78.1	93.8
	69.2	69.1	68.7	69.1	67.5	65.4	61.5									
F	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 1757 METERS	68.2	73.6	78.0	78.9	79.7	81.6	78.6	74.5	68.9	63.2	58.6	61.2	62.3	62.8	70.7	87.2
	63.1	62.8	61.7	60.3	58.0	54.1										
G	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2087 METERS	66.7	71.0	76.0	77.7	78.4	81.6	78.3	73.3	64.1	57.4	56.5	61.2	63.2	64.2	71.0	86.4
	64.3	63.7	62.8	60.6	57.3	53.4										
I	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2377 METERS	66.5	72.3	77.0	77.2	77.7	81.1	77.2	71.4	63.2	59.3	55.4	60.1	63.1	63.8	71.1	86.0
	65.0	64.4	63.1	60.5	57.5	51.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 260 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-260 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.0	103.3	107.6	110.3	113.8	117.9	120.8	123.5	125.0	124.3	121.8	120.3	122.6	120.6	127.0	132.8
	119.4	118.5	116.8	115.2	113.2	110.6	110.5	110.8	110.3	106.3	107.3	103.3	102.9			
S	DIST FROM SOURCE: 66 METERS															
	97.6	103.1	107.5	110.3	113.7	117.4	120.9	124.1	126.0	125.3	122.6	119.4	121.1	118.6	123.7	132.4
	114.3	109.5	104.8	102.5	104.1	104.5	104.0	105.9	106.4	103.8	102.6	99.8	99.5			
Y	DIST FROM SOURCE: 66 METERS															
	98.4	103.5	107.7	110.4	113.8	118.4	120.8	122.8	123.6	123.0	120.9	121.0	123.7	122.0	128.9	133.2
	121.6	121.2	119.6	118.1	115.9	113.0	113.0	113.1	112.3	110.5	109.5	105.2	104.8			
A	DIST FROM SOURCE: 134 METERS															
	89.5	94.6	99.4	101.3	104.6	109.3	111.3	113.1	113.1	109.3	103.0	97.5	98.5	99.0	110.3	119.4
	99.7	99.6	99.3	98.8	98.4	99.1	97.3	96.7	95.8	95.6	91.2					
B	DIST FROM SOURCE: 238 METERS															
	86.9	91.3	96.6	97.8	100.7	105.2	105.9	107.1	105.6	99.5	87.9	84.0	85.5	86.3	100.8	113.0
	87.9	88.2	89.2	89.5	89.0	89.1	88.2	87.6	86.7	84.6						
C	DIST FROM SOURCE: 431 METERS															
	80.1	84.9	90.6	92.1	95.0	98.6	98.1	96.1	90.1	84.2	75.4	73.4	74.3	75.7	89.0	104.2
	77.2	78.2	78.3	78.2	77.7	76.7	74.9	72.6	71.0							
D	DIST FROM SOURCE: 753 METERS															
	74.2	78.7	85.1	87.3	89.6	93.7	92.3	89.8	80.1	66.8	63.7	66.8	68.8	69.4	81.0	98.5
	69.8	69.8	69.8	69.6	68.4	66.4	63.5	59.5								
E	DIST FROM SOURCE: 1255 METERS															
	72.0	74.5	80.6	82.1	84.4	87.0	84.0	80.2	72.4	65.3	61.7	65.2	67.0	67.5	77.1	91.8
	68.5	68.6	68.3	68.6	66.9	63.4	60.7									
F	DIST FROM SOURCE: 1757 METERS															
	67.2	71.0	75.8	77.3	78.8	80.8	78.8	75.5	69.3	63.0	58.6	61.2	62.8	64.1	72.3	86.5
	65.1	65.0	64.2	62.9	60.2	56.7										
G	DIST FROM SOURCE: 2087 METERS															
	65.4	68.1	72.8	72.8	73.2	77.7	75.7	71.4	61.0	54.9	55.0	58.5	60.3	60.7	67.8	82.7
	61.1	60.3	59.5	57.3	54.3	51.3										
I	DIST FROM SOURCE: 2377 METERS															
	63.8	69.0	73.6	73.7	72.0	72.1	74.2	72.4	63.3	55.6	52.9	56.3	58.6	59.2	66.1	81.5
	59.1	58.6	57.4	55.3	52.1	46.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 261 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-261 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.2	103.9	108.0	110.3	113.8	118.2	121.0	124.0	125.0	124.4	121.9	120.4	122.8	120.9	127.3	133.0
	119.6	118.7	117.4	116.1	114.2	111.0	110.7	110.8	110.1	107.9	107.2					
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	97.9	103.7	107.9	110.3	113.8	117.6	121.0	124.5	126.0	125.3	122.5	119.3	120.9	118.3	123.2	132.4
	114.3	109.9	105.6	102.2	102.3	101.6	99.4	100.0	99.5	96.3	95.8					
T	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 66 METERS	98.4	104.1	108.1	110.3	113.9	118.7	121.0	123.5	123.9	123.3	121.3	121.3	124.1	122.5	129.4	133.6
	121.9	121.5	120.3	119.0	117.1	113.8	113.5	113.6	113.0	110.8	110.0	105.8	105.5			
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 134 METERS	89.7	95.3	99.5	101.2	104.5	109.3	111.3	113.4	113.0	109.5	104.0	99.7	99.0	98.7	108.9	119.4
	99.2	98.5	97.8	96.8	95.7	95.9	93.6	92.7	91.6	91.0	87.5					
B	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 238 METERS	87.0	91.9	96.7	97.6	100.5	105.1	106.0	107.4	105.7	100.2	90.7	85.7	85.4	85.8	99.2	113.1
	86.2	85.9	86.8	86.1	85.0	85.5	84.0	82.8	81.3	79.2						
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 431 METERS	80.1	85.2	90.7	92.1	94.9	98.8	98.4	97.3	92.3	86.7	78.4	74.0	75.4	77.0	88.9	104.6
	77.8	77.3	76.8	77.1	76.4	75.1	73.3	70.7	68.2							
D	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 753 METERS	73.5	78.2	83.9	85.7	88.0	92.2	90.6	88.5	78.2	65.9	63.3	67.0	69.5	70.1	80.6	97.0
	70.8	70.8	70.0	69.5	68.7	66.8	64.2	59.9								
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 1255 METERS	69.4	73.3	79.0	79.3	81.3	83.5	80.9	78.4	70.2	62.2	59.6	62.8	64.7	65.2	73.9	88.9
	65.6	65.6	65.2	65.0	63.1	59.8										
F	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 1757 METERS	65.3	69.4	73.7	73.5	73.6	74.7	73.8	71.6	64.6	60.0	56.8	58.6	59.9	60.2	67.5	82.0
	60.2	59.7	58.7	57.5	55.2	51.7										
G	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 2087 METERS	63.1	65.6	70.4	69.4	69.7	70.2	66.7	66.4	59.4	53.6	56.3	58.2	58.4	58.4	64.2	77.6
	57.7	56.9	56.0	53.8	51.0											
I	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 2377 METERS	62.1	65.0	69.3	68.9	68.0	69.4	64.7	64.7	60.4	54.3	52.7	55.8	57.3	57.3	63.2	76.7
	57.1	56.1	54.7	52.3	48.9	43.9										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 262 ) ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 24 SEP 80 ) ) TEST AA-104-262 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.6	103.4	107.1	110.5	112.8	118.1	119.2	121.9	122.9	122.2	118.8	113.4	113.6	112.5	121.1	129.6
	111.4	109.6	108.8	110.0	109.7	107.0	106.3	105.2								
S	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 75 METERS	98.0	103.0	107.4	110.5	112.9	117.9	119.4	122.6	124.5	124.0	120.5	114.3	112.3	108.9	118.7	130.3
	103.6	97.2	95.2	94.5	94.9	94.4	93.8	96.1	96.2							
T	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 75 METERS	99.1	103.8	106.8	110.6	112.8	118.2	118.9	121.0	120.6	119.2	115.7	112.4	114.6	114.4	122.8	128.8
	114.0	112.5	111.7	112.9	112.6	109.9	109.2	109.1	107.9	105.3	104.0	99.7	99.9			
A	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 134 METERS	93.7	97.6	102.3	104.8	107.2	113.4	114.4	116.7	115.6	110.2	103.7	100.5	99.2	98.4	109.3	122.1
	97.8	96.5	96.2	96.2	95.8	94.7	93.3	92.2	92.1	89.3	85.6	84.7				
B	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 238 METERS	85.1	90.5	95.7	98.1	100.8	105.8	106.4	107.8	104.9	99.0	91.4	87.3	85.9	85.9	99.0	113.2
	85.1	84.1	84.8	85.3	86.2	85.5	84.0	83.4								
C	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 423 METERS	81.2	85.9	91.2	93.4	95.9	100.7	100.6	100.0	92.1	77.5	72.4	73.8	76.6	77.8	90.1	106.4
	78.7	77.6	78.7	78.6	78.5	77.8										
D	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 753 METERS	75.3	80.2	85.5	87.2	88.7	92.5	92.3	91.4	84.9	72.8	66.1	68.4	70.3	70.9	82.2	98.5
	71.7	71.2	71.1	70.7	69.5	68.0	65.3	61.5								
E	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 1235 METERS	69.7	73.0	78.0	79.4	80.8	84.0	82.8	80.6	74.5	67.4	62.2	63.9	65.2	65.7	74.3	89.6
	65.9	65.6	64.8	63.9	61.9	58.8										
F	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 1757 METERS	65.3	68.8	73.9	75.2	75.0	77.1	73.1	70.7	63.7	58.6	57.6	61.2	63.0	63.2	70.0	83.0
	63.6	62.5	62.0	60.4	57.6	53.2										
G	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 2079 METERS	64.5	67.7	71.4	71.6	71.9	73.4	70.4	68.8	64.6	61.3	58.7	59.6	60.6	61.5	67.5	80.2
	61.6	60.0	59.1	57.0	54.4	49.2										
H	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 2273 METERS	64.8	66.6	71.2	69.6	70.8	71.4	69.7	68.8	62.7	58.9	56.7	58.4	60.5	61.4	66.9	79.1
	61.2	59.7	58.3	56.1	52.7	48.1										
I	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 2377 METERS	63.3	61.6	60.6	58.1	54.6	73.0	74.0									
	61.4	63.8														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 263 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-263 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	98.7	103.8	107.8	111.2	113.2	118.1	119.5	122.0	123.2	122.7	119.0	112.5	112.6	112.0	121.0	129.7
111.0	109.8	109.5	110.2	109.4	106.2	104.6	104.9	104.6	101.6	101.6						
S	DIST FROM SOURCE: 75 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
98.3	103.5	108.1	111.3	113.3	117.9	119.8	122.8	124.8	124.6	121.0	113.8	111.7	108.2	119.2	119.2	130.7
102.6	97.1	96.7	96.2	97.4	98.0	98.4	101.2	100.8	97.7							
T	DIST FROM SOURCE: 75 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
99.0	104.2	107.6	111.1	113.2	118.2	119.1	120.9	120.6	119.3	115.0	110.7	113.4	114.0	122.3	122.3	128.6
113.7	112.7	112.4	113.1	112.2	108.8	107.1	106.9	106.5	103.6	102.5	98.1	98.5				
A	DIST FROM SOURCE: 134 METERS															
OVERALL SAMPLE DURATION: 30 SEC																
94.0	98.3	103.7	106.2	108.4	114.1	115.4	117.5	116.6	111.2	103.9	99.7	99.4	99.9	112.4	112.4	123.1
100.0	100.2	101.1	101.5	101.7	100.6	99.7	98.6	95.7	92.0	90.7	89.0					
B	DIST FROM SOURCE: 238 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
86.1	91.5	97.0	99.6	102.2	106.4	107.2	107.9	104.7	97.7	86.3	84.2	87.0	88.3	102.0	102.0	113.7
89.1	90.4	91.8	92.2	91.7	90.7	90.0	88.1	85.1	80.9							
C	DIST FROM SOURCE: 423 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
82.0	87.4	92.8	95.1	97.4	100.7	100.4	96.4	87.2	81.7	73.7	78.3	80.1	82.5	93.1	93.1	106.1
82.6	83.2	83.8	83.5	83.3	83.1	82.7										
D	DIST FROM SOURCE: 753 METERS															
OVERALL SAMPLE DURATION: 26 SEC																
76.0	81.2	86.9	88.9	90.6	93.5	93.5	91.1	82.1	70.8	66.3	69.9	72.3	73.8	83.4	83.4	99.4
73.9	73.5	73.5	72.8	71.6	69.9	66.7										
E	DIST FROM SOURCE: 1255 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
70.4	75.4	80.8	83.3	85.3	86.6	84.8	82.1	75.6	66.5	64.0	65.6	67.9	68.7	76.9	76.9	92.4
68.5	68.5	68.0	66.9	64.7	61.7	57.4										
F	DIST FROM SOURCE: 1757 METERS															
OVERALL SAMPLE DURATION: 33 SEC																
67.3	71.7	76.7	77.5	76.9	80.0	77.4	76.3	68.3	61.3	60.4	65.6	68.0	69.1	74.7	74.7	85.6
68.5	68.0	66.8	64.4	61.5	57.7											
G	DIST FROM SOURCE: 2079 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
65.3	70.8	75.9	75.7	77.6	76.9	72.6	73.2	68.1	63.4	60.8	63.4	65.3	66.8	73.1	73.1	84.1
67.9	66.6	64.8	63.1	59.2	54.8	48.3										
H	DIST FROM SOURCE: 2273 METERS															
OVERALL SAMPLE DURATION: 32 SEC																
66.5	70.8	75.3	75.7	76.9	77.2	70.4	72.0	69.7	63.8	59.3	61.0	64.0	64.8	71.6	71.6	83.6
65.7	64.4	64.4	61.8	58.4	54.1											
I	DIST FROM SOURCE: 2377 METERS															
OVERALL SAMPLE DURATION: 30 SEC																
63.4	68.3	72.3	72.8	74.9	74.7	69.5	69.5	65.2	62.5	56.9	59.2	62.0	63.1	69.4	69.4	81.4
63.2	62.8	61.9	59.1	56.1	51.8											



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 265 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-265 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	----- 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) -----															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 32 SEC															
	98.3	103.1	106.8	109.7	111.3	116.3	117.0	119.2	120.4	120.8	118.0	110.8	107.6	107.6	118.4	127.5
	107.4	106.6	105.3	105.9	106.5	104.5	103.9	104.5	102.7	99.9	98.9					
S	DIST FROM SOURCE: 75 METERS															
	97.7	102.7	107.0	109.7	111.3	116.2	117.3	120.0	122.1	122.8	120.2	112.5	107.3	102.2	117.9	128.6
	97.9	95.0	95.6	96.3	100.4	102.5	103.5	104.6	101.8	98.2	98.2					
T	DIST FROM SOURCE: 75 METERS															
	98.7	103.5	106.5	109.7	111.2	116.4	116.7	118.2	117.9	117.1	113.4	107.9	107.8	109.9	118.9	126.0
	110.2	109.5	108.0	108.6	108.9	105.9	104.3	104.3	103.4	101.1	99.5	96.9				
A	DIST FROM SOURCE: 134 METERS															
	93.6	97.6	102.1	104.3	105.7	111.4	112.1	114.0	113.1	108.6	102.2	94.9	91.9	93.6	109.3	120.0
	95.1	95.8	97.0	97.8	99.4	99.5	97.7	94.9	92.8	91.0	86.8	84.8				
B	DIST FROM SOURCE: 238 METERS															
	85.9	91.1	96.2	98.4	100.4	104.7	105.2	105.7	102.5	96.7	88.5	83.3	84.3	85.5	97.2	111.7
	85.5	85.3	85.4	85.0	84.3	82.9	81.5	79.6								
C	DIST FROM SOURCE: 423 METERS															
	82.0	86.8	92.0	94.3	96.1	100.4	100.5	98.6	89.4	77.2	72.0	75.4	79.5	81.8	92.1	106.1
	82.7	82.9	83.2	82.7	81.7	80.5										
D	DIST FROM SOURCE: 753 METERS															
	77.5	82.4	87.4	89.7	91.5	95.0	94.4	90.6	79.9	68.0	65.0	67.4	71.3	73.8	86.4	100.3
	76.2	77.6	78.7	78.1	76.8	73.9	69.0	65.6								
E	DIST FROM SOURCE: 1255 METERS															
	72.5	77.6	82.9	84.6	86.4	89.7	87.9	83.7	76.1	67.6	63.4	64.6	67.2	68.8	78.5	94.6
	68.8	69.5	69.3	69.2	67.3	64.8	60.0									
F	DIST FROM SOURCE: 1757 METERS															
	68.7	74.1	79.6	81.4	81.7	83.5	79.3	77.3	68.6	60.4	59.1	64.5	68.3	70.7	79.4	89.5
	73.1	73.3	73.0	70.9	67.6	62.4										
G	DIST FROM SOURCE: 2079 METERS															
	66.3	72.1	76.8	77.6	78.8	79.2	77.4	74.7	72.2	62.0	60.6	61.7	63.1	63.1	70.7	86.0
	63.6	63.2	62.6	60.3	56.7	52.5										
H	DIST FROM SOURCE: 2273 METERS															
	66.6	71.3	76.2	76.6	77.3	79.8	77.4	73.8	70.4	63.2	56.3	58.1	61.1	62.1	69.4	85.5
	62.5	60.9	60.2	58.6	55.3	50.6										
I	DIST FROM SOURCE: 2377 METERS															
	63.3	68.2	72.8	73.5	74.6	77.0	75.1	71.7	67.7	61.3	54.6	57.8	58.9	58.9	66.3	82.7
	58.8	58.0	56.8	54.9	51.9	47.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 266 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 24 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-266 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.0	103.7	107.4	110.6	112.6	117.5	119.0	121.5	123.0	122.7	119.1	111.9	112.1	111.5	121.0	129.5
	111.4	110.1	108.9	109.9	109.3	106.1	105.0	106.1	105.2	101.4	101.1	97.8				
S	DIST FROM SOURCE: 75 METERS															
	98.6	103.3	107.7	110.7	112.7	117.5	119.5	122.4	124.8	124.8	121.4	113.4	111.3	106.7	119.7	130.6
	101.4	96.1	95.7	97.3	100.0	101.3	102.9	105.9	105.0	99.0	100.0	98.0				
T	DIST FROM SOURCE: 75 METERS															
	99.3	104.1	107.1	110.6	112.5	117.6	119.6	120.3	120.2	118.8	114.0	109.8	112.8	113.8	122.0	128.2
	114.2	113.0	111.8	112.8	112.0	108.4	106.4	106.3	105.5	103.0	102.0	97.6	97.6	97.7		
A	DIST FROM SOURCE: 134 METERS															
	94.6	98.5	103.3	105.7	107.9	113.7	115.2	117.0	116.0	109.9	101.0	94.5	96.6	100.1	114.0	122.8
	102.2	102.9	103.8	104.3	104.3	103.6	102.5	99.7	97.6	97.1	93.6	92.1	88.8			
B	DIST FROM SOURCE: 238 METERS															
	86.2	91.9	97.0	99.4	102.2	106.8	107.8	108.1	104.0	96.5	86.1	85.8	89.9	92.4	106.5	114.4
	94.4	94.7	96.2	97.8	98.0	96.7	95.0	93.1	90.9	89.7	85.4	85.8				
C	DIST FROM SOURCE: 423 METERS															
	82.2	87.3	92.8	95.2	97.8	102.2	102.5	100.6	90.5	78.2	73.2	78.6	81.8	83.9	96.1	108.0
	85.5	86.4	87.2	87.0	86.6	85.9	83.5	82.3								
D	DIST FROM SOURCE: 753 METERS															
	77.0	82.8	88.1	90.4	92.1	95.8	95.5	92.4	82.4	68.8	64.9	69.2	72.2	75.9	89.7	101.4
	78.8	80.1	81.2	80.9	81.5	79.6	76.3	72.5	69.1							
E	DIST FROM SOURCE: 1255 METERS															
	73.3	78.7	83.6	85.3	87.4	90.1	88.8	84.7	77.3	66.4	61.6	63.5	66.5	68.2	81.7	95.4
	70.5	71.1	72.6	73.8	73.3	70.5	67.2	61.5								
F	DIST FROM SOURCE: 1757 METERS															
	70.1	75.7	81.7	83.6	84.3	85.7	82.3	79.1	73.2	61.2	58.3	63.8	66.2	68.4	78.0	91.5
	70.2	70.8	71.0	69.4	67.3	63.3	57.6									
G	DIST FROM SOURCE: 2079 METERS															
	68.3	74.4	79.5	79.9	81.5	81.5	79.4	78.6	73.9	62.3	58.3	60.9	64.2	67.7	77.2	88.7
	69.7	70.4	70.3	69.8	65.5	60.7	53.6									
H	DIST FROM SOURCE: 2273 METERS															
	68.4	73.2	78.1	78.4	80.1	80.6	78.2	76.2	73.2	64.7	56.8	59.5	63.0	65.4	73.7	87.3
	67.0	67.1	66.2	64.2	60.8	56.2	50.3									
I	DIST FROM SOURCE: 2377 METERS															
	64.3	69.8	74.7	75.2	77.4	77.8	74.5	73.7	70.0	62.8	55.6	58.8	60.3	61.9	69.8	84.2
	62.4	62.4	61.9	60.2	57.1	53.0										



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-267

MICROPHONE:  
 ARRAY 03

NUMBER 267  
 DATE 25 SEP 80

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.6	104.9	108.6	111.3	115.1	118.8	121.9	124.5	125.8	125.1	122.8	119.6	122.1	120.8	126.8	133.3
	119.2	117.5	115.3	113.4	112.2	110.7	111.1	111.8	111.8	109.0	108.7	105.5	105.2			
S	DIST FROM SOURCE: 66 METERS															
	99.4	104.7	108.4	111.4	115.3	118.6	122.3	125.4	127.2	126.5	123.9	119.5	121.1	119.2	125.0	133.6
	114.2	107.3	103.5	105.8	107.9	108.5	109.6	111.0	111.2	108.2	108.2	106.3	105.2			
T	DIST FROM SOURCE: 66 METERS															
	99.9	105.1	108.7	111.3	114.9	119.0	121.4	123.3	123.7	123.1	121.4	119.6	122.9	122.0	128.1	133.0
	121.4	120.3	118.2	116.0	114.4	112.2	112.2	112.4	112.4	109.7	109.1	104.5	105.2			
A	DIST FROM SOURCE: 134 METERS															
	91.6	97.6	101.4	103.8	107.5	111.2	113.6	115.0	114.1	108.7	98.8	95.2	100.3	101.7	115.0	121.4
	103.7	104.7	106.0	106.8	106.1	104.7	98.1	100.0	99.5	98.2	94.6	93.5	90.7			
B	DIST FROM SOURCE: 238 METERS															
	89.5	94.9	99.5	101.4	104.9	108.3	109.0	108.5	105.2	95.7	84.4	88.1	94.2	96.9	111.3	116.4
	99.5	101.6	104.0	105.3	102.4	97.9	97.6	93.5	91.2	89.8	85.6	83.5	81.3			
C	DIST FROM SOURCE: 431 METERS															
	82.7	88.6	93.8	96.4	100.2	102.9	102.3	97.4	87.7	79.3	70.4	74.5	79.5	84.7	103.6	109.2
	92.2	97.2	98.9	96.3	92.8	88.6	86.0	79.7	78.1	75.4						
D	DIST FROM SOURCE: 753 METERS															
	78.1	83.7	89.0	92.1	95.1	97.4	95.1	89.0	76.6	61.2	60.7	65.2	70.0	72.2	91.6	102.3
	82.3	88.2	86.9	81.0	73.3	67.1										
E	DIST FROM SOURCE: 1255 METERS															
	76.5	81.8	87.2	89.3	90.8	90.1	84.8	75.8	70.5	59.8	60.5	65.7	69.1	70.9	80.3	96.3
	72.9	76.5	73.5	66.9	63.3	59.7										
F	DIST FROM SOURCE: 1757 METERS															
	72.6	78.7	82.9	84.6	85.6	85.9	82.6	76.4	68.1	61.8	58.8	63.2	67.2	67.9	76.3	92.1
	69.3	69.7	69.2	66.4	59.7	60.8	56.4									
G	DIST FROM SOURCE: 2087 METERS															
	70.9	76.5	81.2	82.3	83.0	83.8	80.7	75.3	65.2	56.7	56.0	62.5	67.1	68.7	73.3	89.9
	68.4	65.3	63.4	57.6	58.2	55.1										
I	DIST FROM SOURCE: 2377 METERS															
	69.6	76.0	80.6	81.6	82.5	83.9	79.3	72.0	65.5	56.4	56.3	60.4	66.3	68.1	71.8	89.3
	66.4	65.0	58.4	54.0	53.5	49.6										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 268 ) ARRAY ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 25 SEP 80 ) ) TEST AA-103-268 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.3	104.4	108.6	111.7	114.6	119.2	121.8	124.1	125.5	125.0	122.8	119.4	122.3	120.9	127.0	133.2
	119.4	117.9	116.0	114.1	112.7	110.9	111.3	111.7	112.0	109.2	108.5	105.6	105.3			
S	DIST FROM SOURCE: 66 METERS															
	98.9	104.2	108.5	111.9	114.8	118.9	122.2	125.0	126.9	126.4	123.8	119.3	121.1	119.1	124.8	133.4
	114.4	107.6	103.7	105.6	107.4	108.0	109.0	110.4	110.9	108.0	107.5	106.2	105.3			
T	DIST FROM SOURCE: 66 METERS															
	99.6	104.6	108.8	111.6	114.5	119.4	121.3	122.9	123.5	123.1	121.5	119.6	123.2	122.2	128.5	139.1
	121.7	120.7	118.9	116.8	115.1	112.6	112.8	112.7	112.8	110.2	109.3	104.9	105.4			
A	DIST FROM SOURCE: 134 METERS															
	91.1	97.0	101.5	103.9	107.0	111.8	113.7	114.7	113.9	108.6	99.0	95.7	101.5	102.6	115.7	121.6
	104.3	105.3	106.4	107.2	106.7	106.2	100.9	99.3	101.0	99.5	95.8	94.5	91.9			
B	DIST FROM SOURCE: 238 METERS															
	88.9	94.1	99.1	101.2	104.2	108.6	109.3	108.8	104.9	94.9	82.5	86.2	92.2	95.8	112.2	116.7
	99.9	103.0	105.3	106.1	102.4	99.8	99.9	93.4	91.4	90.2	86.1	83.3				
C	DIST FROM SOURCE: 431 METERS															
	81.8	87.9	93.4	96.0	99.2	102.7	101.9	96.9	85.7	81.1	70.4	72.9	78.5	80.8	99.9	108.0
	85.4	90.1	93.2	93.5	91.7	89.2	83.0	80.6	78.4	74.3						
D	DIST FROM SOURCE: 753 METERS															
	76.7	82.1	87.9	90.9	93.4	96.9	94.8	89.3	76.9	62.0	61.6	66.0	70.0	73.2	93.2	101.8
	78.4	83.8	88.8	88.2	81.6	73.8	71.6	68.9								
E	DIST FROM SOURCE: 1255 METERS															
	74.9	80.2	85.8	87.1	88.0	89.2	85.0	77.6	66.6	56.8	56.2	61.2	68.0	70.5	78.6	94.7
	73.5	72.6	71.2	66.1	62.7	61.1	57.1									
F	DIST FROM SOURCE: 1757 METERS															
	70.6	76.0	80.6	82.9	83.4	84.2	82.2	77.2	65.3	56.9	57.3	58.8	62.5	62.9	73.2	90.3
	65.1	64.7	64.8	64.0	62.5	57.3										
G	DIST FROM SOURCE: 2087 METERS															
	69.6	74.4	79.0	80.0	80.8	82.1	78.1	69.7	58.3	50.8	53.2	57.8	62.3	61.0	72.3	87.7
	65.4	67.3	65.3	62.7	58.0	53.2										
I	DIST FROM SOURCE: 2377 METERS															
	68.5	74.6	79.4	80.2	80.4	82.2	76.9	68.8	64.4	53.0	51.4	57.1	62.0	63.1	70.4	87.6
	64.7	62.4	62.1	61.5	55.8	49.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-269  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M ( )  
 ( ) EVENT: ( )  
 ( ) NUMBER 269  
 ( ) DATE 25 SEP 80  
 ( ) MICROPHONE: ( )  
 ( ) ARRAY D3  
 ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.2	105.1	108.5	111.7	115.1	119.3	121.9	124.3	125.5	125.1	122.3	119.7	122.2	120.8	126.8	133.2
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	98.8	104.9	108.3	111.8	115.2	119.0	122.3	125.2	126.9	126.5	123.4	119.6	121.2	119.2	124.8	133.4
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 28 SEC															
	121.4	120.4	118.3	116.1	114.3	112.0	112.0	112.0	112.0	109.6	108.8	104.4	104.7		128.1	132.9
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	103.5	104.7	106.0	106.8	106.4	105.8	99.8	99.3	101.1	98.7	95.1	93.7	91.1		115.3	121.7
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	96.8	99.8	102.4	104.4	103.4	100.1	97.1	96.3	89.8	87.7	85.4	81.7		90.5	93.2	110.9
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	81.7	86.1	89.7	92.8	92.8	89.8	91.2	82.1	79.4	79.7				75.9	78.2	100.0
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	71.4	74.2	76.9	79.7	79.0	74.7	74.3	67.8						68.3	69.6	86.7
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	59.6	73.2	73.3	70.5	68.7	62.3	60.4							63.9	66.7	79.2
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	62.0	63.3	61.9	61.7	61.5	58.4	54.1							59.0	60.0	71.1
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	59.4	62.1	60.8	59.1	56.9	53.4								59.0	59.4	68.5
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	61.3	64.5	63.3	61.8	59.4	53.0								61.4	60.3	70.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 270 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 25 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-109-270 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.2	104.9	108.3	111.4	114.4	118.8	121.6	124.1	125.6	124.8	122.5	119.1	122.0	120.8	126.9	133.1
	119.2	117.9	115.9	114.1	112.7	110.9	111.2	111.4	111.6	109.2	108.4	105.3	105.5			
	DIST FROM SOURCE: 66 METERS															
	98.7	104.8	108.2	111.6	114.5	118.6	121.9	125.0	126.9	126.1	123.5	118.9	120.8	119.1	124.6	133.2
	114.4	108.0	103.9	105.1	106.9	107.3	108.2	109.8	110.5	107.7	107.0	105.7	105.5			
	DIST FROM SOURCE: 66 METERS															
	99.6	105.1	108.4	111.2	114.2	119.1	121.2	122.9	123.6	122.9	121.2	119.3	122.9	122.0	128.4	132.9
	121.4	120.7	118.8	116.8	115.1	112.8	112.9	112.6	112.5	110.4	109.4	105.0	105.5			
	DIST FROM SOURCE: 134 METERS															
	90.9	97.0	100.7	103.3	106.5	111.2	113.1	114.5	114.0	109.0	100.0	95.3	100.5	101.7	115.3	121.3
	103.4	104.2	105.3	106.1	106.0	106.5	103.3	99.3	99.6	100.8	96.2	94.5	92.4			
	DIST FROM SOURCE: 238 METERS															
	88.8	93.9	98.1	100.1	103.0	107.3	108.0	108.1	105.5	96.0	83.3	84.7	89.5	92.0	110.2	115.4
	94.6	96.9	99.2	101.4	102.2	102.9	99.8	99.9	92.4	91.9	90.7	86.2	83.2			
	DIST FROM SOURCE: 431 METERS															
	81.7	87.7	92.5	95.1	98.1	101.6	100.6	95.7	85.9	81.0	70.4	73.2	79.2	80.2	100.7	107.2
	83.0	86.5	88.9	91.4	92.5	92.0	90.4	89.7	88.3	85.8	80.2	79.1				
	DIST FROM SOURCE: 753 METERS															
	76.1	82.0	86.6	89.5	92.1	95.7	93.8	88.2	75.7	63.1	62.1	66.7	71.2	72.5	92.4	100.6
	75.6	79.9	83.5	84.8	84.8	83.3	80.6	79.5	73.1	73.0						
	DIST FROM SOURCE: 1255 METERS															
	73.6	78.8	82.4	85.0	86.4	87.9	83.6	76.2	67.1	59.9	54.5	63.8	65.5	67.7	85.5	93.5
	72.2	75.6	77.7	78.2	79.9	73.3	68.6	64.6	60.9							
	DIST FROM SOURCE: 1757 METERS															
	67.9	73.5	78.3	80.3	78.8	81.1	77.6	74.1	64.4	57.9	51.9	54.7	56.6	58.0	72.5	87.1
	59.6	61.4	64.3	65.4	63.9	63.0	55.9									
	DIST FROM SOURCE: 2087 METERS															
	67.2	71.9	75.5	76.8	77.4	78.0	73.1	67.2	57.4	50.3	51.0	53.9	57.1	57.8	66.2	84.0
	57.6	58.3	58.2	56.2	54.9	52.6										
	DIST FROM SOURCE: 2377 METERS															
	65.3	73.2	77.2	77.4	76.9	79.2	74.5	64.9	60.9	51.3	51.3	56.6	62.8	60.6	69.4	84.9
	62.0	62.4	61.0	60.1	58.6	55.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 271 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 25 SEP 80 ) ARRAY: 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-103-271 )  
 ) ) ) ) ) DATE 05 FEB 87 )  
 ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.0	104.6	108.4	111.1	114.5	118.4	121.2	123.6	125.0	124.6	122.4	119.1	122.1	121.1	127.1	132.9
	119.3	118.1	116.2	114.2	113.0	111.3	111.6	112.0	112.1	109.7	109.0	106.0	106.4			
S	66 METERS															
DIST FROM SOURCE: 66 METERS	98.6	104.4	108.3	111.2	114.7	118.2	121.6	124.6	126.4	125.9	123.5	119.0	121.1	119.5	124.9	133.0
	114.6	108.6	104.8	106.2	107.9	108.3	109.1	110.5	111.4	108.8	107.9	106.5	106.9			
T	66 METERS															
DIST FROM SOURCE: 66 METERS	99.5	104.7	108.5	110.9	114.3	118.6	120.7	122.5	123.0	122.6	121.1	119.1	122.9	122.2	128.5	132.8
	121.6	120.9	119.0	116.9	115.2	113.0	113.2	113.1	112.6	110.5	109.8	105.4	105.9			
A	134 METERS															
DIST FROM SOURCE: 134 METERS	90.9	96.8	100.8	103.0	106.3	110.4	112.4	113.9	113.4	108.8	100.6	95.1	100.0	101.2	116.3	121.1
	103.0	104.1	105.3	106.5	106.8	107.8	106.0	104.4	101.9	101.3	97.6	96.4	93.8			
B	238 METERS															
DIST FROM SOURCE: 238 METERS	88.8	93.5	98.1	99.5	102.7	106.6	107.4	107.8	105.5	97.4	83.6	83.9	88.9	90.5	105.5	114.3
	92.6	92.9	93.0	93.7	93.6	94.5	94.6	94.9	94.0	93.7	90.8	88.5	85.5			
C	431 METERS															
DIST FROM SOURCE: 431 METERS	81.7	87.3	92.2	94.2	97.4	100.4	99.8	95.5	86.8	81.7	68.9	69.7	72.5	73.6	91.5	105.6
	76.7	77.8	80.7	81.4	81.3	81.2	81.2	79.1	77.3	75.5						
D	753 METERS															
DIST FROM SOURCE: 753 METERS	75.9	81.2	86.5	89.1	91.8	94.9	93.0	87.8	73.9	62.1	60.4	62.5	66.5	68.5	84.5	99.5
	69.6	69.6	73.3	74.2	74.9	75.5	74.4	71.1	66.5							
E	1255 METERS															
DIST FROM SOURCE: 1255 METERS	73.0	78.3	83.2	83.7	86.0	87.3	83.7	78.2	68.0	57.9	55.2	59.4	61.6	64.2	78.4	92.6
	66.3	67.5	68.7	71.6	70.2	68.9	63.5									
F	1757 METERS															
DIST FROM SOURCE: 1757 METERS	67.8	73.2	77.1	79.2	79.4	77.7	76.9	73.2	66.1	54.9	51.7	54.4	56.9	57.3	68.1	85.9
	58.8	59.3	59.0	57.7	57.2	56.4										
G	2087 METERS															
DIST FROM SOURCE: 2087 METERS	67.3	73.1	77.7	77.0	77.8	77.8	73.0	66.0	55.9	50.4	53.6	56.4	58.6	59.9	67.8	84.6
	60.9	60.0	60.5	58.8	55.1	52.5										
I	2377 METERS															
DIST FROM SOURCE: 2377 METERS	65.6	73.0	78.2	77.8	77.5	78.4	73.4	64.6	57.1	52.2	52.5	56.3	59.6	60.9	68.1	84.9
	60.0	60.8	61.1	58.6	56.1	51.6										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB					EVENT: ( ) MICROPHONE: ( )					IDENTIFICATION:						
SOUND SOURCE: C-135A					( ) NUMBER 272					) OMEGA 12.2						
LOCATION 02	HT	AGL	1.5 M	(	DATE	25 SEP	80	(	ARRAY	04	) TEST RA-104-272					
					(					) DATE 05 FEB 87						
					(					) PAGE F1						
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)													AL	OASPL (DB)		
MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	98.4	104.2	107.1	110.4	113.6	118.2	120.4	123.3	124.3	122.4	118.3	113.1	112.9	111.7	122.1	130.4
	112.1	111.7	111.5	112.2	110.6	107.1	105.2	107.2	107.0	103.4	103.0	99.5	99.5			
DIST FROM SOURCE: 75 METERS																
S	97.7	103.7	107.3	110.3	113.7	117.7	120.5	124.1	126.0	124.4	120.4	114.6	111.1	104.5	119.9	131.2
	100.4	96.8	98.0	98.5	100.7	101.8	103.0	105.4	105.9	99.7	101.3	99.4	98.8			
DIST FROM SOURCE: 75 METERS																
T	99.0	104.6	107.0	110.5	113.6	118.6	120.2	122.2	121.6	118.8	114.1	110.9	114.1	114.3	123.6	129.4
	114.9	114.6	114.4	115.1	113.4	109.4	108.0	108.4	107.9	105.4	104.1	99.6	100.1			
DIST FROM SOURCE: 134 METERS																
A	93.0	99.0	102.8	105.3	107.9	114.1	115.8	117.7	116.6	110.1	100.0	94.9	98.3	100.4	116.4	123.6
	102.3	103.3	104.8	106.3	106.8	106.3	106.0	105.2	102.7	102.1	98.4	96.6	94.3			
DIST FROM SOURCE: 238 METERS																
B	85.4	92.3	96.8	99.4	102.6	107.5	108.5	109.7	104.7	94.4	81.4	85.5	89.2	92.2	109.7	115.4
	94.6	96.6	99.1	101.0	101.3	100.7	99.8	97.6	94.2	92.1	88.9	87.7	84.6			
DIST FROM SOURCE: 423 METERS																
C	82.1	87.8	92.1	94.3	97.2	101.8	100.6	95.8	85.4	75.8	69.9	75.6	78.7	82.5	104.9	108.3
	87.3	90.8	95.4	98.2	98.8	96.1	88.6	88.5	82.3							
DIST FROM SOURCE: 753 METERS																
D	77.5	84.4	89.0	90.8	92.9	96.7	94.7	89.3	77.1	64.5	59.4	64.7	68.1	69.0	94.4	101.8
	72.2	78.1	84.3	88.8	88.3	84.3	81.9	72.4	67.6							
DIST FROM SOURCE: 1757 METERS																
F	72.7	79.3	83.6	84.4	85.0	86.2	80.1	74.2	64.2	54.2	55.6	61.5	65.1	63.8	76.1	91.8
	62.8	63.6	70.1	71.3	64.1	55.6										
DIST FROM SOURCE: 2079 METERS																
G	71.2	79.1	84.1	84.5	85.1	85.5	82.4	79.2	77.5	73.0	69.6	70.4	72.1	74.1	79.3	92.5
	72.9	71.2	70.9	68.6	66.1	61.8	56.7									
DIST FROM SOURCE: 2273 METERS																
H	70.9	78.4	83.4	84.4	85.8	86.2	82.2	78.6	78.4	73.8	70.5	77.6	82.4	84.9	89.6	94.9
	85.5	84.2	81.6	76.0	70.1	72.1	67.1	60.9								
DIST FROM SOURCE: 2377 METERS																
I	67.4	75.4	80.2	81.8	83.8	83.7	80.1	79.8	75.1	72.5	69.2	74.9	79.5	81.1	85.8	91.9
	81.3	79.9	78.1	73.5	65.0	67.7	66.1									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 273 ) ) OMEGA 12.2  
 LOCATION: D2 HT AGL 1.5 M ( DATE 25 SEP 80 ) ) TEST AA-104-273  
 ( ) ) ) ) DATE 05 FEB 87 ) )  
 ( ) ) ) ) PAGE F1 ) )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)				OASPL (DB)									
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	
DIST FROM SOURCE:	75 METERS													
	98.9	104.5	107.2	110.9	113.7	118.1	120.4	123.0	124.2	122.5	119.4	112.9	112.6	111.3
	111.8	111.5	111.3	111.7	110.3	106.8	106.2	107.4	107.0	103.3	103.2	99.5	99.4	
S	DIST FROM SOURCE: 75 METERS				OVERALL SAMPLE DURATION: 32 SEC									
	98.4	103.9	107.3	110.7	113.7	117.7	120.5	123.9	125.8	124.4	120.6	114.5	110.8	103.9
	100.0	96.6	98.2	98.5	100.9	102.3	103.8	106.2	106.3	99.9	102.3	99.6	98.7	
T	DIST FROM SOURCE: 75 METERS				OVERALL SAMPLE DURATION: 31 SEC									
	99.3	105.0	107.0	111.0	113.6	118.6	120.2	121.9	121.4	118.8	114.1	110.5	113.9	113.9
	114.6	114.4	114.2	114.6	113.0	109.0	107.7	108.3	107.6	105.2	104.0	99.3	99.9	
A	DIST FROM SOURCE: 134 METERS				OVERALL SAMPLE DURATION: 31 SEC									
	93.6	99.3	102.9	105.9	108.2	114.4	116.1	117.6	116.6	110.3	100.0	98.1	99.5	123.5
	101.2	102.1	103.8	105.3	105.9	105.5	105.1	104.2	101.8	101.3	97.8	96.1		
B	DIST FROM SOURCE: 238 METERS				OVERALL SAMPLE DURATION: 32 SEC									
	86.1	92.7	96.9	99.7	102.5	107.2	108.3	108.4	104.7	95.0	82.3	85.9	89.4	91.2
	92.6	93.9	95.3	96.2	96.3	95.8	95.6	94.7	92.4	92.2	88.9	86.8	83.9	
C	DIST FROM SOURCE: 423 METERS				OVERALL SAMPLE DURATION: 32 SEC									
	83.0	88.8	92.9	95.5	97.9	102.3	101.2	96.4	84.5	75.7	68.5	75.0	80.0	82.8
	85.0	87.4	91.1	93.2	94.0	92.3	84.5	81.5	86.0	83.3				
D	DIST FROM SOURCE: 753 METERS				OVERALL SAMPLE DURATION: 31 SEC									
	78.0	85.1	89.5	91.8	93.7	97.2	95.2	89.5	75.9	65.7	59.8	63.0	69.4	72.3
	72.4	73.6	78.6	82.0	83.1	78.5	76.3	75.2	69.0					
E	DIST FROM SOURCE: 1255 METERS				OVERALL SAMPLE DURATION: 31 SEC									
	75.8	81.6	86.1	88.1	89.8	92.4	89.4	83.7	74.4	60.0	57.1	60.4	62.7	63.7
	65.1	64.4	64.8	66.8	68.8	66.2	64.0	60.0						
F	DIST FROM SOURCE: 1757 METERS				OVERALL SAMPLE DURATION: 32 SEC									
	72.6	79.2	83.6	85.2	85.8	86.9	81.4	75.3	71.2	66.2	64.0	67.3	68.1	66.6
	67.5	68.4	68.1	66.0	65.3	60.9	55.7							
G	DIST FROM SOURCE: 2079 METERS				OVERALL SAMPLE DURATION: 31 SEC									
	69.7	78.2	83.1	83.5	82.7	82.9	78.8	72.6	73.6	72.4	67.9	68.5	72.0	74.1
	74.6	73.1	71.2	68.9	64.6	60.6	56.0							
H	DIST FROM SOURCE: 2273 METERS				OVERALL SAMPLE DURATION: 31 SEC									
	69.9	77.5	82.8	83.9	83.8	82.1	79.0	69.9	70.1	68.9	64.6	69.6	79.1	74.7
	75.1	74.4	73.3	70.5	67.1	61.2								
I	DIST FROM SOURCE: 2377 METERS				OVERALL SAMPLE DURATION: 34 SEC									
	66.7	74.2	79.8	81.6	82.7	81.5	77.5	72.9	66.8	64.8	62.6	65.8	69.8	70.6
	71.9	71.2	69.9	66.5	61.1	56.8								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 274 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 25 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-274 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.9	104.2	107.5	110.9	113.4	118.0	120.1	123.2	124.6	122.8	118.5	113.3	113.0	111.9	122.3	130.5
	112.2	112.0	112.0	112.9	110.7	107.0	106.3	107.5	107.2	103.7	103.3	99.9	99.9			
S	DIST FROM SOURCE: 75 METERS															
	98.5	103.7	107.6	110.8	113.5	117.6	120.3	124.1	126.3	124.7	120.7	114.8	111.3	104.8	120.2	131.4
	100.8	97.4	98.9	99.4	101.5	102.4	103.6	106.0	106.5	100.3	101.8	100.0	99.3			
T	DIST FROM SOURCE: 75 METERS															
	99.3	104.6	107.3	111.0	113.3	118.5	119.9	122.1	121.8	119.2	114.2	111.0	114.2	114.5	123.7	129.5
	115.0	114.9	114.9	115.2	113.5	109.2	107.9	108.6	107.9	105.6	104.4	99.8	100.4			
A	DIST FROM SOURCE: 134 METERS															
	93.7	99.1	103.3	106.0	108.1	114.2	115.9	118.0	117.1	110.8	100.5	95.2	98.2	100.1	116.8	123.9
	101.9	103.1	105.2	106.9	107.5	107.2	106.7	105.6	103.0	101.8	97.8	96.1				
B	DIST FROM SOURCE: 238 METERS															
	86.0	92.4	97.2	99.9	102.5	107.3	108.2	108.8	105.2	95.5	83.4	87.4	90.2	91.7	105.6	114.7
	91.9	91.9	93.8	95.4	95.7	94.8	94.2	91.9	91.8	88.6	86.6	84.0				
C	DIST FROM SOURCE: 423 METERS															
	83.0	88.5	93.1	95.8	97.9	102.6	101.3	97.2	84.5	77.7	69.6	74.1	78.5	81.7	97.5	107.4
	85.4	87.1	87.9	88.7	89.9	89.4	85.4			82.6						
D	DIST FROM SOURCE: 753 METERS															
	78.1	84.6	89.5	91.9	93.6	97.3	95.2	90.0	78.2	71.1	62.0	65.0	69.4	71.3	87.9	101.8
	72.3	72.7	74.5	78.1	81.2	80.6	73.8	71.4	67.3							
E	DIST FROM SOURCE: 1255 METERS															
	75.9	81.0	86.0	88.3	89.7	92.5	89.4	84.2	74.1	67.2	61.1	60.7	63.8	67.5	78.6	97.2
	67.6	69.8	68.5	67.7	66.5	64.6	61.5	57.3								
F	DIST FROM SOURCE: 1757 METERS															
	72.8	78.6	82.9	83.9	84.4	85.2	79.7	73.1	67.7	64.0	63.5	67.4	69.8	72.8	79.6	91.4
	74.0	73.1	73.0	69.8	66.9	63.3	57.8									
G	DIST FROM SOURCE: 2079 METERS															
	70.7	78.6	83.4	83.0	82.1	83.0	78.4	72.3	66.0	63.2	61.2	65.1	68.6	68.4	75.8	90.0
	68.6	68.7	68.3	66.9	63.1	61.2	53.7									
H	DIST FROM SOURCE: 2273 METERS															
	70.5	78.1	83.6	84.1	83.2	83.4	80.1	75.1	67.8	64.8	60.2	63.9	70.5	71.1	77.7	90.8
	71.7	71.1	70.5	67.8	64.4	61.5										
I	DIST FROM SOURCE: 2377 METERS															
	66.9	75.0	80.7	82.1	82.1	81.4	78.5	74.6	67.6	62.3	60.4	62.4	66.4	69.6	75.8	88.9
	68.8	69.1	69.2	66.1	62.6	59.3										



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 275 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 25 SEP 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-275 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS
S	98.2	103.2	107.3	110.4	113.4	117.5	120.7	123.9	125.9	124.7	120.8	114.8	111.2	104.6	120.0	131.2
	100.3	96.9	98.1	98.5	101.3	102.4	103.4	106.0	106.6	101.8						
T	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS
A	98.9	104.0	107.0	110.6	113.2	118.4	120.3	121.9	121.4	119.0	114.1	110.8	114.3	114.4	123.6	129.4
	115.0	114.7	114.5	115.1	113.6	109.6	108.1	108.5	108.0	105.3	104.4	99.8	100.3			
A	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS
B	93.3	98.4	102.8	105.4	107.7	114.0	116.0	117.6	116.5	110.4	99.9	94.7	98.4	100.6	116.6	123.6
	102.5	103.6	105.3	106.9	107.5	107.0	106.2	104.8	101.5	100.5	97.4	95.6				
B	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS
C	85.6	91.6	96.6	99.3	102.2	106.9	108.1	108.2	104.3	94.9	82.0	84.8	88.4	91.1	107.7	114.6
	93.2	94.4	96.1	97.3	97.8	97.7	97.0	95.0	94.8	91.3	89.3	86.5				
C	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE:	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS
D	81.5	87.0	91.9	94.4	97.1	101.8	101.3	97.1	84.2	77.4	69.5	72.3	76.3	78.0	100.4	107.2
	81.1	83.1	86.3	89.3	91.9	92.8	92.5	90.4	86.5							
D	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS
E	77.8	83.9	88.9	91.0	93.1	96.5	94.9	88.9	75.1	69.8	64.3	67.2	70.0	70.8	85.6	101.2
	70.4	69.4	71.3	74.0	77.0	77.3	74.8	69.7	71.0	66.4						
E	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS
F	75.0	79.3	84.1	86.1	88.1	91.0	88.4	81.9	70.1	67.5	65.6	68.5	72.2	73.8	83.8	95.8
	75.9	76.8	77.1	75.4	73.0	69.6	65.6									
F	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS
G	73.0	78.0	82.4	83.0	83.6	84.6	79.8	75.4	66.4	57.7	57.1	64.3	71.3	74.7	85.1	91.7
	77.3	79.3	79.8	76.7	74.3	70.1	60.8									
G	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE:	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS
H	71.0	78.3	83.6	83.0	82.9	83.9	80.8	76.7	71.6	65.1	61.0	61.2	68.3	72.7	79.9	91.0
	74.1	73.3	70.6	72.3	69.2	64.7	57.3									
H	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE:	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS
I	70.6	77.2	83.5	84.3	84.1	84.7	82.5	77.8	72.1	65.8	63.7	68.4	70.7	73.2	78.5	91.6
	73.4	71.0	69.3	68.2	65.3	61.8	57.7									
I	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS
	66.2	73.8	80.3	82.1	82.6	82.2	80.7	74.0	69.2	65.1	63.7	69.0	72.5	73.3	79.3	89.7
	75.3	73.1	70.6	67.5	64.7	61.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-276  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 ( EVENT: ) MICROPHONE:  
 ( SOUND SOURCE: C-135A ) NUMBER 276 ) ARRAY 04  
 ( LOCATION 02 HT AGL 1.5 M ( DATE 25 SEP 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	98.9	104.2	107.5	110.6	113.6	118.0	120.2	123.3	124.3	122.8	118.4	112.7	112.6	111.4	122.1	130.4
	111.5	111.4	111.3	112.0	110.9	107.7	106.7	107.3	103.8	103.6	99.9	99.8				
DIST FROM SOURCE: 75 METERS																
	98.4	103.7	107.6	110.5	113.7	117.5	120.4	124.2	126.0	124.8	120.6	114.2	110.6	104.1	120.1	131.3
	99.7	96.4	97.9	98.5	100.7	102.1	103.8	106.4	106.5	100.1	102.5	99.9	98.7			
DIST FROM SOURCE: 75 METERS																
	99.3	104.6	107.4	110.8	113.5	118.4	120.0	122.2	121.5	119.0	114.1	110.4	114.0		123.5	129.3
	114.4	114.3	114.2	114.9	113.7	110.1	108.5	108.8	108.0	105.8	104.5	100.0	100.7			
DIST FROM SOURCE: 134 METERS																
	93.4	98.8	103.0	105.5	107.7	113.8	115.7	117.8	116.4	110.1	99.4	93.6	97.5	99.4	115.7	123.4
	101.3	102.5	104.5	106.3	106.8	106.3	105.3	103.1	98.7	98.6	95.7	94.1				
DIST FROM SOURCE: 238 METERS																
	85.6	92.0	96.8	99.1	101.7	106.2	107.4	107.9	103.7	94.2	79.9	80.9	85.3	87.3	106.8	114.0
	89.6	91.2	93.6	96.1	97.6	98.3	98.4	96.3	92.6	90.7	84.7	83.7	81.2			
DIST FROM SOURCE: 423 METERS																
	81.3	87.5	92.2	94.5	96.8	101.2	100.5	97.3	83.9	75.3	69.0	71.3	73.5	75.2	92.9	106.2
	77.9	78.5	81.2	83.4	84.6	84.3	82.4	80.1								
DIST FROM SOURCE: 753 METERS																
	77.3	84.2	89.1	91.2	93.0	96.3	94.8	89.4	75.2	66.9	62.3	64.8	69.3	71.2	82.0	101.0
	70.7	69.7	69.5	69.7	69.0	67.7	65.2									
DIST FROM SOURCE: 1255 METERS																
	74.4	79.6	84.7	86.1	87.6	90.6	88.2	83.0	73.0	61.9	58.7	60.9	64.1	66.6	77.9	95.4
	68.0	70.4	72.4													
DIST FROM SOURCE: 1757 METERS																
	72.8	78.7	83.0	83.6	84.3	85.6	81.8	78.8	70.1	59.1	56.6	60.5	62.1	64.6	79.2	91.7
	68.2	69.0	72.1	73.5	71.0	65.6										
DIST FROM SOURCE: 2079 METERS																
	70.1	78.5	83.7	83.4	83.4	84.9	82.3	79.2	74.4	67.8	63.1	62.0	63.1	65.1	76.1	91.4
	68.1	69.5	67.6	67.5	63.7	61.1	56.2									
DIST FROM SOURCE: 2273 METERS																
	69.0	77.4	83.6	84.2	83.9	85.0	83.2	79.3	73.3	67.5	62.6	64.7	67.3	68.0	77.5	91.8
	70.2	71.5	69.1	68.6	65.8	61.5										
DIST FROM SOURCE: 2377 METERS																
	65.2	73.7	80.2	82.0	82.6	82.6	81.8	76.8	69.8	65.5	62.4	64.0	67.1	68.5	77.9	89.7
	69.6	71.8	71.7	69.2	66.1	61.1										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-277  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 277 ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE 25 SEP 80 ) ARRAY 03  
 LOCATION 01 HT AGL 1.5 M ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1-3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	99.4	104.6	108.8	110.9	114.8	118.6	121.7	124.3	125.6	125.1	122.7	119.5	122.4	121.1	127.0	133.3
	119.5	117.9	115.6	113.5	112.3	110.8	111.2	111.9	111.9	109.5	108.6	105.8	106.0			
S	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 66 METERS	98.9	104.4	108.6	111.0	114.9	118.3	122.0	125.2	127.0	126.4	123.7	119.3	121.3	119.4	125.1	133.4
	114.8	108.5	104.6	105.8	107.7	108.2	109.3	111.0	111.7	108.9	107.9	106.7	106.8			
T	OVERALL SAMPLE DURATION: 22 SEC															
DIST FROM SOURCE: 66 METERS	99.9	104.8	108.9	110.8	114.6	118.9	121.3	123.2	123.7	123.2	121.4	119.6	123.3	122.3	128.4	133.1
	121.7	120.7	118.4	116.1	114.5	112.4	112.6	112.6	112.2	110.0	109.2	104.7	105.0			
A	OVERALL SAMPLE DURATION: 22 SEC															
DIST FROM SOURCE: 134 METERS	91.5	96.8	101.2	102.9	106.8	111.0	113.2	114.9	114.2	109.5	101.0	95.3	100.3	101.5	115.5	121.5
	102.9	103.8	105.0	105.7	105.9	106.8	104.7	102.3	99.2	100.1	96.6	95.6	92.9			
B	OVERALL SAMPLE DURATION: 21 SEC															
DIST FROM SOURCE: 238 METERS	89.2	93.6	98.6	99.8	103.4	107.3	108.3	108.9	106.0	97.0	83.2	85.3	90.1	92.5	109.4	115.5
	94.5	96.2	98.3	100.2	100.8	101.5	99.6	95.8	92.2	91.7	89.6	86.6	83.9			
C	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 431 METERS	81.6	86.9	92.4	93.9	97.9	100.7	99.8	94.9	84.5	78.3	69.3	72.2	76.4	78.1	100.4	106.5
	80.2	83.5	86.9	90.5	93.3	94.1	91.3	82.2	82.9	78.5						
D	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 753 METERS	76.3	80.9	86.8	88.9	91.9	94.5	92.6	88.1	75.1	63.6	61.6	64.7	67.5	69.0	81.6	99.3
	68.5	68.7	68.7	69.2	69.6	71.8	70.8	62.3								
E	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 1255 METERS	73.8	77.9	83.7	84.5	87.2	88.8	85.9	77.8	68.7	59.9	56.5	59.4	63.3	64.0	74.6	93.7
	64.8	65.5	65.4	63.9	61.7	59.0										
F	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 1757 METERS	67.3	73.9	77.9	79.2	81.8	81.7	79.8	75.3	65.2	55.1	51.6	54.8	56.4	58.2	68.8	87.9
	59.3	59.4	59.1	58.0	56.0	53.5										
G	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 2087 METERS	64.0	70.4	76.3	76.3	78.7	79.2	76.2	69.6	55.5	51.3	50.1	53.5	56.8	57.0	66.3	85.0
	58.0	57.1	57.8	56.4	53.6	51.2										
I	OVERALL SAMPLE DURATION: 23 SEC															
DIST FROM SOURCE: 2377 METERS	63.1	69.9	76.2	75.5	77.4	79.9	74.9	67.2	58.1	54.0	52.5	56.6	57.1	57.1	66.1	84.5
	57.8	57.4	57.1	56.6	54.0	49.5										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( NUMBER 278 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 ( DATE 25 SEP 80 ) ) TEST AA-103-278 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.4	105.0	108.5	111.0	114.7	118.4	121.7	124.2	125.7	125.0	122.6	119.5	122.5	121.0	127.0	133.2
	119.4	117.8	115.7	113.4	112.2	110.8	111.3	112.0	112.0	109.5	108.9	106.0	106.0			
S	DIST FROM SOURCE: 66 METERS															
	99.0	104.8	108.3	111.1	114.8	118.2	122.0	125.1	127.0	126.3	123.6	119.3	121.5	119.4	125.1	133.4
	114.9	108.3	104.5	105.9	107.9	108.4	109.5	111.0	111.7	109.0	108.3	107.0	106.5			
T	DIST FROM SOURCE: 66 METERS															
	99.8	105.3	108.7	110.9	114.6	118.7	121.4	123.1	123.8	123.1	121.3	119.6	123.4	122.2	128.3	133.0
	121.6	120.6	118.6	116.0	114.4	112.4	112.6	112.8	112.3	109.9	109.3	104.8	105.4			
A	DIST FROM SOURCE: 134 METERS															
	91.0	96.9	100.7	102.9	106.4	110.5	113.1	114.6	114.1	109.4	100.6	95.2	100.7	101.9	116.5	121.6
	103.8	104.9	106.5	107.5	107.6	108.2	105.2	101.5	99.1	100.8	96.9	95.3	93.2			
B	DIST FROM SOURCE: 238 METERS															
	88.4	93.6	97.9	99.6	102.9	106.6	107.9	108.4	105.8	96.7	82.4	85.0	91.1	93.3	110.1	115.3
	95.4	96.9	98.9	100.7	101.7	102.5	100.7	96.6	91.8	89.5	89.1	86.2	82.9			
C	DIST FROM SOURCE: 431 METERS															
	81.1	86.9	91.8	94.0	97.3	100.4	99.9	94.9	85.4	79.4	68.8	72.7	77.9	80.5	102.5	106.9
	85.6	88.3	90.8	93.4	95.3	95.5	93.2	86.2	83.2	83.7	76.9	76.1				
D	DIST FROM SOURCE: 753 METERS															
	75.1	80.5	85.8	88.6	91.4	94.3	92.9	87.8	74.9	63.0	60.7	64.3	66.9	67.3	92.4	99.7
	70.9	75.8	81.3	83.5	86.1	85.9	80.5	75.2	71.3							
E	DIST FROM SOURCE: 1255 METERS															
	71.7	76.5	81.9	82.4	84.4	85.4	82.3	76.4	65.2	58.4	54.9	58.5	62.0	62.8	76.3	91.0
	64.2	65.5	65.8	68.3	68.7	67.1	66.5									
F	DIST FROM SOURCE: 1757 METERS															
	66.5	71.5	74.8	76.8	76.8	76.5	74.8	70.2	61.0	52.5	50.3	54.7	56.7	57.2	65.9	83.7
	57.8	57.4	57.6	55.8	53.4	50.7										
G	DIST FROM SOURCE: 2087 METERS															
	63.6	68.5	72.4	73.7	74.5	74.7	70.8	64.2	55.0	47.6	49.1	52.2	55.2	55.9	63.8	80.9
	56.9	56.9	56.3	54.6	52.6											
I	DIST FROM SOURCE: 2377 METERS															
	62.1	68.9	72.8	72.7	73.9	75.1	70.5	62.2	54.9							
	55.8	57.2	56.0	54.5	52.8	46.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-279  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 279 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 25 SEP 80 ) ARRAY O4 )  
 LOCATION 02 HT AGL 1.5 M ( ) )  
 ( ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		122.3	130.1
DIST FROM SOURCE: 75 METERS																
	98.6	103.8	107.1	109.9	113.2	117.7	119.9	122.5	124.0	122.4	118.2	114.0	113.4	112.0		
	112.1	111.5	111.3	112.4	111.6	108.7	107.7	107.2	106.8	103.9						
S DIST FROM SOURCE: 75 METERS																
	98.1	103.3	107.3	109.9	113.3	117.3	120.1	123.4	125.6	124.2	120.1	115.3	111.9	105.9	119.1	130.8
	101.2	96.6	96.7	97.0	97.6	97.5	97.5	99.5	100.1	94.8						
T DIST FROM SOURCE: 75 METERS																
	99.0	104.2	106.9	110.0	113.1	118.2	119.8	121.5	121.4	119.1	114.7	112.3	114.5	114.4	124.2	129.4
	115.0	114.5	114.2	115.4	114.5	111.5	110.5	109.9	109.3	106.7	105.5	100.9	101.7			
A DIST FROM SOURCE: 134 METERS																
	93.3	98.6	102.7	104.8	107.5	113.6	115.3	116.8	116.3	110.4	101.3	96.1	97.5	99.0	113.2	122.7
	100.4	100.8	101.6	102.7	102.9	102.1	101.6	100.5	98.6	98.1	95.1	94.4				
B DIST FROM SOURCE: 238 METERS																
	85.7	91.9	96.7	98.9	101.9	106.7	107.7	107.8	104.6	96.0	83.7	84.5	86.5	87.9	101.1	113.8
	89.6	90.1	90.8	91.0	90.4	89.1	87.6	86.2	85.2	82.3	79.3					
C DIST FROM SOURCE: 423 METERS																
	81.1	87.1	91.9	93.9	96.5	101.4	100.4	96.7	83.2	77.2	69.0	71.2	72.7	73.7	87.5	105.9
	74.9	74.2	75.4	76.1	74.7	73.7										
D DIST FROM SOURCE: 753 METERS																
	76.4	82.8	87.8	89.6	92.0	95.9	94.4	89.4	75.9	67.7	59.9	62.4	64.2	65.5	80.5	100.4
	66.4	67.4	67.0	66.2	65.7	64.1										
E DIST FROM SOURCE: 1255 METERS																
	73.4	77.7	82.9	83.9	85.9	89.2	87.1	81.7	72.6	62.9	55.7	58.8	60.4	61.9	74.0	93.8
	62.6	61.9	61.4	60.8	59.6	57.5										
F DIST FROM SOURCE: 1757 METERS																
	71.2	76.8	79.9	80.8	81.7	83.5	79.4	73.5								
	59.8	60.6	59.9	58.5	56.6											
G DIST FROM SOURCE: 2079 METERS																
	67.1	76.4	81.9	78.9	80.1	82.1	76.6	71.6	65.4							
	61.6	60.0	59.9	58.6												
H DIST FROM SOURCE: 2273 METERS																
	64.0	75.1	82.0	81.2	78.1	82.1	77.5	77.0	67.0	59.3	58.6	65.4	68.2	68.1	72.7	88.4
	66.3	63.6	62.4	60.6	58.5	55.2										
I DIST FROM SOURCE: 2377 METERS																
	59.6	71.0	78.8	79.8	76.8	78.3	77.0	71.4	66.7	60.3	58.5	65.7	67.0	65.6	70.9	85.9
	65.2	62.6	59.7	58.3	56.7	53.5										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-133A ( NUMBER 280 ) ARRAY 04 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 25 SEP 80 ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.0	103.5	107.1	109.8	113.2	117.6	120.0	122.8	124.1	122.5	118.3	114.0	113.3	111.9	122.3	130.2
	112.1	111.4	111.3	112.4	111.6	108.6	107.7	107.2	106.8	103.7						
	OVERALL SAMPLE DURATION: 40 SEC															
S	DIST FROM SOURCE: 75 METERS															
	97.5	103.1	107.3	109.8	113.3	117.1	120.2	123.6	125.7	124.3	120.2	115.4	111.8	106.1	119.2	130.9
	101.2	96.6	97.0	97.1	97.7	97.4	97.4	99.2	99.9	95.1						
	OVERALL SAMPLE DURATION: 40 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.5	103.9	106.9	109.9	113.0	116.0	119.0	121.6	124.7	121.6	119.1	114.7	112.0	114.4	124.1	129.4
	114.9	114.4	114.2	115.3	114.5	111.5	110.5	109.8	109.4	106.4	105.4	100.9	101.7			
	OVERALL SAMPLE DURATION: 40 SEC															
A	DIST FROM SOURCE: 134 METERS															
	92.9	98.4	102.8	104.8	107.4	113.4	115.4	117.2	116.6	110.5	101.4	96.2	98.0	99.5	114.3	123.0
	101.1	101.6	102.7	103.9	104.2	103.6	103.1	102.2	100.4	100.0	96.9	96.1				
	OVERALL SAMPLE DURATION: 40 SEC															
B	DIST FROM SOURCE: 238 METERS															
	85.2	91.7	96.7	98.7	101.8	106.5	107.9	108.3	105.0	96.2	83.9	85.2	87.6	89.5	102.2	114.0
	90.8	91.1	91.7	92.1	91.5	90.5	89.4	88.0	85.6	84.1	81.1	80.4				
	OVERALL SAMPLE DURATION: 41 SEC															
C	DIST FROM SOURCE: 429 METERS															
	80.5	86.8	91.9	93.8	96.6	101.4	100.6	97.0	83.6	76.7	68.3	71.7	74.1	76.6	90.0	106.0
	77.2	79.1	81.2	81.1	79.4	78.6										
	OVERALL SAMPLE DURATION: 40 SEC															
D	DIST FROM SOURCE: 753 METERS															
	75.0	81.6	87.0	88.7	91.1	95.0	93.6	88.8	75.6	65.5	62.2	62.2	65.4	64.1	79.8	99.5
	65.6	64.2	65.2	66.1	64.9	63.6	60.4	57.8								
	OVERALL SAMPLE DURATION: 41 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	72.9	77.8	82.9	83.5	85.6	88.7	86.4	81.9	71.9	59.1	55.3	58.5	60.9	61.5	73.8	93.5
	62.1	62.2	61.9	60.9	59.7	57.0										
	OVERALL SAMPLE DURATION: 40 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	70.1	75.5	78.5	80.1	80.4	81.6	77.3	73.1	63.5	55.6	55.5	57.6	59.2	59.3	68.0	87.5
	59.6	58.3	58.1	57.2	54.8	52.2										
	OVERALL SAMPLE DURATION: 40 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	66.8	75.5	80.6	76.4	79.8	80.8	77.0	72.7	67.9	62.7	58.8	59.7	61.9	62.1	66.9	87.0
	61.5	60.0	58.8	57.7	54.9	51.8										
	OVERALL SAMPLE DURATION: 40 SEC															
H	DIST FROM SOURCE: 2279 METERS															
	64.4	74.9	81.3	78.9	75.7	81.7	75.0	75.6	71.9	64.4	60.6	64.2	66.5	66.2	72.5	87.3
	67.1	65.6	62.8	59.0	57.4	54.0										
	OVERALL SAMPLE DURATION: 40 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	60.2	71.8	78.6	78.0	72.3	78.9	73.6	74.6	71.0	64.4						
	65.3	64.5	60.4	56.2	53.6											
	OVERALL SAMPLE DURATION: 40 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2 )  
 ) TEST AA-103-281 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 ( SOUND SOURCE: C-135A ( NUMBER 281 ) ) ARRAY 03 )  
 ( LOCATION 01 HT AGL 1.5 M ( DATE 30 SEP 80 ) ) )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	124.8	130.9
S	66 METERS															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	121.5	130.7
T	66 METERS															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	126.6	131.0
A	134 METERS															
DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	108.9	117.7
B	238 METERS															
DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	97.6	110.2
C	431 METERS															
DIST FROM SOURCE:	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	85.7	100.6
D	753 METERS															
DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	78.1	93.8
F	1757 METERS															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	67.5	80.6
G	2087 METERS															
DIST FROM SOURCE:	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	65.4	75.8

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT: NUMBER 292		MICROPHONE: ARRAY 03		IDENTIFICATION: OMEGA 12.2		
SOUND SOURCE: C-135A		DATE 30 SEP 80		DATE 05 FEB 87		TEST AA-103-282		
LOCATION 01	HT AGL 1.5 M						PAGE F1	
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)								
MICROPHONE LOCATION U	25 31.5	40 50	60 80	100 125	160 200	250 315	400 500	
	630 800	1K 1250	1600 2K	2500 3150	4K 5K	6300 8K	10K	
DIST FROM SOURCE:	66 METERS							OVERALL SAMPLE DURATION: 31 SEC
	96.4	102.1	105.8	108.5	111.5	116.0	118.3	
	117.7	115.8	113.7	112.9	111.0	108.3	108.4	
	108.3	108.3	108.4	108.7	107.9	105.9	104.8	
S	DIST FROM SOURCE: 66 METERS							OVERALL SAMPLE DURATION: 31 SEC
	96.1	101.6	105.7	108.7	111.7	115.8	118.7	
	110.5	103.3	102.5	102.8	102.6	102.2	103.1	
	103.8	101.3	100.1	103.0	101.3	100.1	100.1	
T	DIST FROM SOURCE: 66 METERS							OVERALL SAMPLE DURATION: 31 SEC
	96.7	102.5	105.9	108.3	111.3	116.1	117.9	
	120.2	118.6	116.6	115.7	113.6	110.7	110.9	
	111.1	109.9	108.1	107.0	102.7	103.7	103.7	
A	DIST FROM SOURCE: 134 METERS							OVERALL SAMPLE DURATION: 31 SEC
	88.9	93.9	98.1	99.7	102.7	107.3	109.3	
	95.9	94.9	95.0	94.7	94.0	94.6	93.0	
	92.5	93.0	91.3	87.3	87.3	87.3	87.3	
B	DIST FROM SOURCE: 238 METERS							OVERALL SAMPLE DURATION: 31 SEC
	86.2	90.3	95.0	95.8	98.3	102.6	103.2	
	84.2	83.5	84.0	83.7	82.8	81.7	80.7	
	79.7	79.7	76.8	76.8	76.8	76.8	76.8	
C	DIST FROM SOURCE: 431 METERS							OVERALL SAMPLE DURATION: 32 SEC
	78.5	83.2	88.7	89.7	92.1	95.1	94.1	
	73.1	73.2	72.8	72.8	71.6	70.5	70.5	
	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
D	DIST FROM SOURCE: 753 METERS							OVERALL SAMPLE DURATION: 31 SEC
	72.0	76.8	82.2	83.7	85.5	88.9	86.1	
	69.2	68.3	67.6	66.8	65.5	63.4	60.2	
	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
E	DIST FROM SOURCE: 1255 METERS							OVERALL SAMPLE DURATION: 32 SEC
	66.4	70.5	75.5	75.9	78.6	79.6	76.1	
	64.6	63.8	63.1	62.6	60.8	58.1	58.1	
	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
F	DIST FROM SOURCE: 1757 METERS							OVERALL SAMPLE DURATION: 32 SEC
	61.8	60.7	59.6	58.2	55.4	52.1	52.1	
	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
G	DIST FROM SOURCE: 2087 METERS							OVERALL SAMPLE DURATION: 32 SEC
	59.0	64.3	65.5	65.5	63.0	60.4	62.8	
	61.1	59.6	58.3	56.2	53.2	50.3	50.3	



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-283

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 283 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 30 SEP 80 ) ARRAY O3 )  
 LOCATION D1 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F.1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	96.8	102.1	105.9	108.7	111.5	115.7	117.9	120.5	121.9	122.0	120.5	118.3	119.9	120.0	124.8	130.5
	118.3	116.4	114.5	113.7	111.8	109.0										
S	66 METERS															
DIST FROM SOURCE:	96.7	101.9	105.9	108.9	111.7	115.5	118.2	121.3	123.0	123.0	120.9	117.5	116.5	115.8	120.4	129.8
	111.0	105.7	103.2	101.5	101.4	100.5										
T	66 METERS															
DIST FROM SOURCE:	97.0	102.3	106.0	108.6	111.3	115.9	117.5	119.5	120.2	120.7	120.0	119.0	121.7	122.1	127.5	131.3
	120.9	119.3	117.3	116.6	114.7	111.7	111.5	111.7	110.8	108.9	107.9	103.5	104.0			
A	134 METERS															
DIST FROM SOURCE:	88.8	93.6	97.6	99.3	101.8	106.3	108.0	109.5	109.2	106.7	101.9	96.9	94.4	92.2	103.4	115.9
	91.0	89.6	89.3	88.7	87.4	88.1	86.2	85.0	83.7	80.8						
B	238 METERS															
DIST FROM SOURCE:	86.4	90.4	94.8	95.3	97.4	101.2	101.7	102.5	100.5	96.1	88.5	83.5	81.9	80.5	93.7	108.8
	80.0	79.6	79.4	78.6	77.8	77.5	75.7	74.1								
C	431 METERS															
DIST FROM SOURCE:	79.3	83.7	88.8	89.3	91.0	93.6	92.5	91.0	86.3	80.0	73.6	71.4	74.4	74.6	84.8	99.7
	74.9	74.9	74.9	74.3	73.1	71.9	70.2	67.1	64.3							
D	753 METERS															
DIST FROM SOURCE:	73.4	78.0	83.4	84.8	86.3	88.9	85.8	82.2	72.6	63.7	62.9	65.8	69.3	69.6	77.6	93.9
	69.0	68.8	68.4	67.4	65.8	63.4	60.2									
E	1255 METERS															
DIST FROM SOURCE:	68.7	73.1	78.0	78.7	80.1	80.9	76.4	72.6	67.8	64.3	62.0	63.5	65.8	65.5	72.1	86.8
	65.1	64.1	62.7	61.9	60.2	57.2										
F	1757 METERS															
DIST FROM SOURCE:	69.1	72.8	73.0	73.4	73.7	71.2	69.9	65.3	61.8	58.7	60.6	62.2	62.0	68.3	80.7	
	61.5	60.7	59.7	58.2	55.5	52.2										
G	2087 METERS															
DIST FROM SOURCE:	65.0	68.4	68.8	68.4	68.7	65.4	63.7	59.9	56.0	55.7	57.5	60.2	59.7	64.7	75.7	
	58.3	57.0	56.0	54.1	51.3	48.6										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 284 ) ARRAY 03 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( DATE 30 SEP 80 ) ) TEST AA-103-284  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	900	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 32 SEC															
	96.3	103.2	106.5	109.1	111.5	115.7	118.6	121.1	122.5	122.5	121.2	119.1	120.6	120.3	125.6	131.1
	118.6	116.7	114.7	113.7	111.7	108.9	108.8	109.0	108.2	106.2	105.3					
S	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	96.0	103.0	106.4	109.2	111.8	115.4	118.9	122.0	123.8	123.6	121.7	118.4	117.5	116.3	121.3	130.5
	111.6	106.5	104.0	102.5	102.5	101.7	100.6	101.1	101.8	99.3	98.2					
T	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	96.7	103.4	106.5	108.9	111.3	115.9	118.2	120.1	120.9	121.2	120.7	119.7	122.4	122.3	127.7	131.7
	121.2	119.5	117.5	116.6	114.4	111.4	111.5	111.7	110.7	108.8	107.9	103.4	104.3			
A	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	88.7	94.7	98.3	100.0	102.7	107.0	109.3	110.8	110.6	107.8	103.2	98.2	97.7	97.5	108.6	117.4
	97.8	97.5	98.1	97.7	97.0	97.3	95.4	94.6	93.4	93.1	88.2	86.3				
B	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	86.0	91.5	95.6	96.3	98.7	102.4	103.3	104.1	102.1	97.2	89.6	84.6	84.4	85.1	96.4	110.3
	84.1	84.1	84.4	83.8	82.7	82.3	80.8	79.7	77.9	75.7						
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	78.3	84.4	89.0	89.9	92.0	94.5	94.0	92.1	87.4	81.9	75.5	73.9	75.9	76.7	86.7	100.7
	77.1	76.8	76.7	76.4	75.1	74.0	72.7	70.3	67.9	64.4						
D	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	72.1	78.5	83.3	84.7	86.6	89.2	86.1	81.9	73.2	67.8	65.4	69.4	72.7	72.9	80.5	94.1
	72.9	72.2	71.5	71.0	69.3	67.0	64.4	59.8								
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	67.8	73.9	78.6	78.9	80.3	81.0	77.9	73.5	69.0	66.2	63.0	64.3	66.2	66.4	74.1	87.3
	66.6	66.4	65.4	65.1	63.0	60.2										
F	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	63.5	69.7	73.9	75.0	74.4	74.7	72.5	70.5	66.3	62.0	58.7	60.1	62.6	62.4	70.0	82.4
	62.6	62.1	62.1	61.5	58.6	55.1										
G	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	61.4	66.7	70.8	71.5	71.1	71.1	67.8	63.6	59.1	55.8	55.0	56.6	58.7	58.5	64.3	78.5
	57.7	56.4	55.7	54.0	51.4	48.5										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-285 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 285 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 30 SEP 80 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	97.2	102.8	106.3	109.0	112.0	116.2	118.5	121.0	122.5	122.1	121.1	119.5	120.8	119.9	125.5	131.0
	118.7	116.6	114.7	113.4	111.5	108.9	108.0	108.9	108.3	106.2						
S	DIST FROM SOURCE: 66 METERS															
	96.9	102.6	106.2	109.3	112.3	116.0	118.9	121.9	123.7	123.1	121.6	118.8	117.9	116.2	121.4	130.4
	112.1	106.9	104.4	102.7	102.2	101.2	100.0	100.3	102.5	99.7						
T	DIST FROM SOURCE: 66 METERS															
	97.5	102.9	106.4	108.8	111.7	116.4	118.2	120.0	120.8	120.7	120.5	120.1	122.5	121.9	127.6	131.6
	121.2	119.4	117.5	116.2	114.3	111.5	111.6	110.7	108.7	107.6	103.4	103.8				
A	DIST FROM SOURCE: 134 METERS															
	89.1	94.1	97.8	99.7	102.7	107.0	109.0	110.5	110.5	107.6	103.6	99.3	98.3	97.6	108.0	117.3
	98.2	97.1	96.9	96.3	95.6	95.9	94.2	93.5	92.7	92.6	87.9	87.1				
B	DIST FROM SOURCE: 238 METERS															
	86.5	90.8	94.9	95.7	98.1	101.6	102.4	102.8	101.1	96.3	89.6	84.0	83.8	82.1	94.7	109.3
	81.8	81.9	81.9	81.3	80.0	79.1	77.3	76.2								
C	DIST FROM SOURCE: 431 METERS															
	78.6	83.3	87.8	88.5	90.5	92.6	91.5	89.1	84.8	78.7	73.8	71.8	74.1	74.3	83.8	98.7
	74.4	74.4	73.8	73.0	71.8	70.5	69.0	66.1	63.1							
D	DIST FROM SOURCE: 753 METERS															
	72.6	77.3	81.7	82.5	83.8	86.1	84.0	80.4	71.7	64.0	64.7	67.6	69.6	70.4	77.6	91.7
	69.9	69.2	68.9	68.0	66.2	63.7	60.6									
E	DIST FROM SOURCE: 1255 METERS															
	68.3	72.5	76.2	75.3	76.5	76.6	73.0	71.1	68.5	65.3	61.3	63.1	65.7	65.5	73.0	84.1
	65.7	65.6	65.1	64.3	62.1	58.9										
F	DIST FROM SOURCE: 1757 METERS															
	63.8	68.1	70.9	68.9	69.2	68.7	65.9	66.1	64.2	59.6	56.6	58.4	60.2	60.7	67.3	77.9
	60.8	59.9	59.3	57.9	55.4	51.9										
G	DIST FROM SOURCE: 2087 METERS															
	60.7	63.6	66.8	65.4	65.2	63.5	60.6	59.4	58.8	54.7	53.0	54.6	56.0	55.1	60.2	72.6
	54.1	52.7	51.8	50.6												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-206

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M ( NUMBER 206 DATE 30 SEP 80 )  
 ( EVENT: )  
 ( MICROPHONE: )  
 ( ARRAY 04 )  
 ( DATE 05 FEB 87 )  
 ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	114.8	124.5
	94.7	100.7	103.5	106.7	109.7	113.0	117.4	119.1	116.6	113.6	107.7	104.4	103.6			
	103.6	102.5	101.9	103.6	103.4	101.3	101.2	100.9								
S	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	113.4	125.4
	94.2	100.3	103.8	106.7	109.9	112.7	115.5	118.2	119.7	118.5	115.3	108.8	102.1	97.6		
	93.8	90.6	91.4	91.6	93.2	93.9	94.4	96.3								
T	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	116.1	123.5
	95.1	101.0	103.2	106.7	109.6	113.3	114.9	116.3	115.6	113.4	110.5	106.4	105.9	106.0		
	106.3	105.4	104.8	106.5	106.2	103.9	103.7	103.1	99.5	97.8						
B	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	94.3	108.4
	81.9	88.5	92.7	95.1	97.2	101.4	101.2	102.3	99.7	93.5	85.2	80.7	81.2	82.1		
	81.9	81.6	82.7	82.5	81.7	81.1	80.4	80.0								
C	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	86.0	100.8
	77.6	84.0	88.0	90.2	92.1	95.7	94.7	90.7	82.1	76.8	71.3	72.2	75.0	76.0		
	76.5	76.4	76.7	76.6	75.9	75.1										
D	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	79.3	94.4
	72.2	78.8	82.6	84.6	85.9	88.8	88.1	84.6	76.1	67.2	65.8	67.4	69.0	69.3		
	69.7	69.7	69.8	69.5	68.6	67.0	64.2	60.3								
E	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	71.1	84.1
	66.2	71.6	74.9	75.6	76.6	77.5	74.7	71.7	68.4	63.0	62.1	63.6	65.1	64.6		
	63.9	63.1	62.1	61.2	59.1	55.8										
F	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	69.2	78.5
	68.0	71.0	70.7	68.7	69.2	67.0	67.2	64.8	59.0	58.3	61.5	63.3	63.0	63.0		
	63.0	62.2	61.2	59.4	56.3	52.1										
G	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	67.0	76.5
	60.0	65.6	69.1	68.7	67.6	65.2	65.6	65.2	63.4	60.0	57.6	59.0	60.8	60.9		
	60.5	60.1	59.2	57.7	53.9	49.7										
H	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	64.4	75.6
	60.8	65.0	67.7	67.2	66.7	65.9	64.6	65.0	62.5	59.2	56.5	57.6	59.5	58.8		
	58.2	56.9	55.8	53.6	50.0	45.6										
I	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	62.3	73.2
	57.3	61.9	64.7	64.3	64.6	64.2	62.6	63.1	61.4	54.4						
	56.1	55.2	54.4	51.8	48.3	44.0										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 287 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 30 SEP 80 ) ARRAY: O4 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( ) ) ) TEST AA-104-287  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	119.0	128.7
	96.0	101.6	104.5	108.4	111.8	115.8	119.0	123.0	121.7	116.4	110.1	108.7	109.0			
	108.5	107.4	106.9	107.8	106.6	103.7	103.0	103.1	102.6	99.9						
S	75 METERS															
	DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	117.7	129.7
	95.5	101.4	104.8	108.4	112.0	115.7	119.3	122.4	124.6	123.6	118.4	111.1	105.9	102.0		
T	75 METERS															
	DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	119.9	127.3
	96.4	101.9	104.2	108.3	111.6	115.9	118.5	120.4	120.3	118.2	112.6	108.7	110.5	111.6		
B	238 METERS															
	DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	104.6	113.1
	84.0	90.6	94.6	97.7	100.1	104.9	106.3	107.2	104.6	95.4	85.1	86.0	89.4	91.0		
C	423 METERS															
	DIST FROM SOURCE:	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	92.1	104.0
	79.5	85.6	89.9	92.9	94.8	98.8	98.4	93.2	84.7	80.1	74.0	77.2	81.5	82.7		
D	753 METERS															
	DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	82.1	97.1
	73.9	80.0	83.9	86.5	88.4	91.6	91.4	87.5	77.5	69.0	66.7	68.5	71.2	71.6		
E	1255 METERS															
	DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	77.2	88.2
	71.0	76.0	79.0	79.0	79.6	81.2	79.7	75.7	71.8	66.9	64.5	66.6	69.5	70.1		
F	1757 METERS															
	DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	73.1	84.5
	67.3	72.8	76.1	76.5	76.0	77.4	75.3	71.8	67.6	61.5	59.4	63.6	66.5	66.5		
G	2079 METERS															
	DIST FROM SOURCE:	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	70.6	80.3
	65.7	69.9	72.1	71.4	70.8	70.7	69.9	68.9	66.8	62.5	59.2	60.7	63.8	64.0		
H	2273 METERS															
	DIST FROM SOURCE:	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	68.7	78.1
	65.4	68.8	70.4	70.4	67.7	67.9	67.9	66.1	64.6	61.4	58.1	60.7	62.9	62.3		
I	2377 METERS															
	DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	65.5	75.4
	62.2	66.2	67.4	66.7	66.4	64.1	66.3	63.4	62.4	61.2	55.6	58.4	60.4	59.9		
J	2577 METERS															
	DIST FROM SOURCE:	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	2577 METERS	65.5	75.4
	59.5	58.4	57.2	54.4	51.2	46.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-288

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 288 ) ARRAY 04  
 LOCATION 02 HT AGL 1.5 M ( DATE 30 SEP 80 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	95.8	100.8	104.0	107.1	110.9	114.6	117.5	119.7	121.0	120.6	116.2	109.0	107.3	108.2	118.2	127.3
	107.8	106.3	105.5	106.7	106.2	103.6	103.3	103.5	103.0	99.6	98.3					
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	95.5	100.3	104.2	107.1	111.0	114.3	117.8	120.6	122.7	122.6	118.3	110.3	104.4	100.9	116.9	128.3
	96.9	93.6	95.2	96.5	98.6	99.3	99.8	101.8	102.6	97.3	97.1					
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	96.1	101.2	103.8	107.1	110.7	114.9	117.1	118.6	118.2	116.9	112.1	107.1	109.1	110.8	119.0	125.9
	110.6	109.2	108.3	109.5	108.8	105.7	105.2	104.7	103.3	101.1	99.3	96.2				
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	83.4	89.4	93.4	95.9	98.4	102.8	103.4	103.9	101.5	93.3	84.2	84.5	86.4	88.2	100.2	110.2
	88.8	89.7	90.7	91.1	90.6	89.3	88.1	86.4								
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	79.6	85.4	89.4	91.0	93.1	96.4	95.5	90.9	84.3	78.3	71.6	74.9	78.7	79.6	88.3	101.7
	80.1	79.5	79.5	79.2	78.3	77.3										
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	73.4	79.5	83.8	85.4	86.8	89.0	88.3	84.7	76.8	68.2	64.6	66.9	70.1	70.9	80.0	94.9
	71.0	71.1	70.8	70.2	69.0	67.1	64.1	60.0								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	68.6	73.3	76.9	78.6	79.5	80.9	79.2	75.9	70.3	64.2	61.3	63.1	65.0	65.1	72.7	87.1
	65.3	64.6	63.9	63.3	61.0	58.0										
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	65.0	68.7	72.5	74.0	73.3	74.6	70.4	67.0	63.9	57.5	56.9	59.4	61.2	60.9	67.8	81.1
	61.2	60.4	59.7	58.3	55.1	50.8										
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	62.3	65.1	67.4	68.5	69.4	69.0	66.9	64.5	61.7	59.4	56.4	57.1	58.7	58.3	64.3	76.6
	57.9	56.8	55.9	54.1	50.4	46.1										
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 25 SEC															
	63.1	66.1	67.8		67.1	67.7	65.9	63.7	61.2		55.4	57.2	59.1	59.1	64.8	75.7
	58.8	57.6	56.8	54.6	50.8	46.1										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	59.3	63.0	65.4	65.4	64.8	65.6	63.4	62.8	59.6		52.8		56.6	56.7	62.0	73.4
	56.2	54.9	53.8	51.4	47.7	43.4										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-289  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: )  
 ( NUMBER 289 )  
 ( DATE 30 SEP 80 )  
 ( )  
 ( )  
 ( )

MICROPHONE:  
 ARRAY 04

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	95.4	101.2	104.3	107.4	110.8	114.6	117.0	119.5	120.9	120.2	116.8	109.1	107.0	108.4	119.7	127.2
	108.3	107.1	106.6	107.9	107.1	104.6	104.3	104.8	104.3	100.8	99.8					
S	DIST FROM SOURCE: 75 METERS															
	95.1	100.9	104.6	107.5	111.0	114.4	117.4	120.4	122.5	122.2	118.9	110.3	104.0	100.9	117.1	128.2
	97.1	94.2	96.3	97.7	99.7	100.6	101.4	103.5	104.1	98.1	98.4					
	OVERALL SAMPLE DURATION: 30 SEC															
T	DIST FROM SOURCE: 75 METERS															
	95.7	101.5	104.0	107.4	110.5	114.8	116.6	118.4	118.2	116.6	112.8	107.2	108.7	111.0	119.8	126.0
	111.2	110.0	109.4	110.6	109.7	106.7	106.0	105.8	104.4	102.4	100.9	97.1	97.8			
	OVERALL SAMPLE DURATION: 30 SEC															
B	DIST FROM SOURCE: 238 METERS															
	82.6	89.6	93.7	96.0	98.3	102.7	103.2	104.0	101.9	95.1	86.8	84.4	86.9	87.5	99.0	110.2
	88.3	88.0	89.0	89.0	88.2	87.3	86.7	84.9	82.2							
	OVERALL SAMPLE DURATION: 30 SEC															
C	DIST FROM SOURCE: 423 METERS															
	77.3	84.3	88.5	90.6	92.9	96.5	95.6	92.2	85.1	78.6	73.2	74.2	77.9	79.3	89.5	101.8
	80.2	79.9	80.4	80.0	79.4	78.5	76.9	74.0								
	OVERALL SAMPLE DURATION: 31 SEC															
D	DIST FROM SOURCE: 753 METERS															
	71.6	78.4	82.9	85.0	86.8	89.5	88.8	85.7	77.3	68.7	65.1	66.5	68.7	69.3	79.5	95.1
	69.8	69.8	70.0	69.6	68.2	66.7	63.7	59.6								
	OVERALL SAMPLE DURATION: 30 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	64.7	63.9	63.2	62.5	60.4	57.4										
	71.6	75.3	76.0	77.1	78.2	76.8	73.2	69.6	64.3	62.3	63.1	64.5	64.8			
	64.7	63.9	63.2	62.5	60.4	57.4										
	OVERALL SAMPLE DURATION: 30 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	64.1	69.9	73.0	73.7	73.9	74.4										
	64.3	63.5	62.4	60.9	57.6	53.3										
	OVERALL SAMPLE DURATION: 30 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	61.2	66.2	70.3	70.8	70.2	70.0	68.4	67.1	63.2	60.1	58.3	59.9	60.4			
	60.3	59.1	58.4	56.6	53.0	48.9										
	OVERALL SAMPLE DURATION: 30 SEC															
M	DIST FROM SOURCE: 2273 METERS															
	61.4	64.5	68.6		68.7	69.4										
	59.6	58.3	57.1	55.1	52.3	49.9										
	OVERALL SAMPLE DURATION: 30 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	58.3	61.3	65.0	67.3	65.9	66.5	65.4	63.7	60.7	54.6	56.6	57.6	57.7			
	57.2	55.9	54.9	52.9	50.6	49.8										
	OVERALL SAMPLE DURATION: 30 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-290  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 ) NUMBER 290 ) ARRAY 04  
 SOUND SOURCE: C-135A ( DATE 30 SEP 80 )  
 LOCATION 02 HT AGL 1.5 M ( )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	94.5	100.5	103.6	106.1	110.0	114.0	116.1	119.3	120.8	120.5	116.5	108.2	106.6	108.0	117.7	126.9
	107.1	105.6	104.8	105.7	105.1	103.1	102.8	103.2	103.1	98.9	98.1					
	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
S	DIST FROM SOURCE: 75 METERS															
	94.2	100.3	104.0	106.2	110.2	113.8	116.5	120.3	122.6	118.7	109.8	103.4	100.8		117.1	128.2
	96.7	94.8	97.1	98.5	100.5	101.5	101.9	103.1	103.8	97.8	97.8					
	OVERALL SAMPLE DURATION: 33 SEC															
T	DIST FROM SOURCE: 75 METERS															
	94.8	100.6	103.2	106.0	109.7	114.1	115.7	118.1	117.7	116.2	111.6	105.8	108.4	110.6	118.0	125.1
	109.9	108.4	107.4	108.2	107.2	104.2	103.6	103.4	102.2	99.8	98.4					
	OVERALL SAMPLE DURATION: 33 SEC															
B	DIST FROM SOURCE: 238 METERS															
	81.3	87.7	92.0	93.5	96.0	100.7	100.9	102.7	101.1	93.7	83.9	81.0	83.8	85.4	96.0	108.4
	85.7	85.2	85.3	85.2	84.1	82.9	81.5	80.1								
	OVERALL SAMPLE DURATION: 33 SEC															
C	DIST FROM SOURCE: 423 METERS															
	76.7	82.8	86.5	87.5	89.8	93.8	92.0	88.7	80.4	74.0	68.9	70.8	74.5	75.3	83.9	98.7
	75.3	74.6	74.9	74.3	73.2	72.3										
	OVERALL SAMPLE DURATION: 33 SEC															
D	DIST FROM SOURCE: 753 METERS															
	71.8	78.3	82.3	83.2	84.8	87.8	86.6	84.0	76.3	69.3	66.2	67.8	70.9	72.3	80.9	93.5
	72.9	72.3	72.6	71.6	70.1	68.3	65.3	61.1								
	OVERALL SAMPLE DURATION: 33 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	67.6	73.3	76.6	77.3	79.0	81.3	79.8	76.5	71.1	64.6	62.2	62.9	65.6	66.5	74.2	87.2
	66.8	66.3	65.9	65.3	62.8	59.6										
	OVERALL SAMPLE DURATION: 35 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	63.4	68.6	72.4	72.6	72.7	74.5	70.9	67.9	61.0	56.0	55.3	58.1	60.4	60.7	67.6	80.7
	61.1	60.4	59.7	58.5	55.3	51.2										
	OVERALL SAMPLE DURATION: 32 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	61.8	66.5	70.1	70.5	71.5	70.5	66.6	62.6								
	59.0	58.3	57.8	56.0	52.1	47.8										
	OVERALL SAMPLE DURATION: 32 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	61.6	66.3	69.3	72.3	70.7	68.6	65.7	63.5								
	59.8	59.3	58.5	56.5	52.7	47.8										
	OVERALL SAMPLE DURATION: 32 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	58.4	63.6	66.4	70.5	68.5	66.4	63.0	60.7								
	56.2	55.1	53.9	51.3	47.9	43.4										
	OVERALL SAMPLE DURATION: 32 SEC															



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-291  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 291 ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE 30 SEP 80 ) ARRAY O3  
 LOCATION 01 HT AGL 1.5 M ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	96.2	101.6	105.3	108.1	111.2	115.3	118.4	120.7	122.3	122.0	120.0	118.1	119.7	119.4	124.8	130.4
	117.6	115.7	113.7	113.0	111.3	108.6	108.5	108.9	108.3	106.2	105.0					
	OVERALL SAMPLE DURATION: 32 SEC															
S	DIST FROM SOURCE: 66 METERS															
	96.0	101.4	105.3	108.3	111.5	115.2	118.8	121.5	123.5	123.1	120.5	117.3	116.5	115.5	120.7	129.9
	110.5	105.4	103.0	102.1	102.5	102.3	102.0	103.0	104.4	101.5	100.3					
	OVERALL SAMPLE DURATION: 33 SEC															
T	DIST FROM SOURCE: 66 METERS															
	96.4	101.8	105.4	108.0	111.0	115.4	118.1	119.7	120.7	120.7	119.4	118.7	121.5	121.4	126.9	130.9
	120.2	118.6	116.6	115.8	114.0	111.0	111.0	111.3	110.3	108.4	107.2	103.0	103.4			
	OVERALL SAMPLE DURATION: 32 SEC															
A	DIST FROM SOURCE: 134 METERS															
	87.8	93.1	97.0	98.9	101.8	106.3	108.8	109.8	109.8	106.8	101.2	96.4	95.4	94.8	105.3	116.3
	94.2	92.8	93.0	92.7	92.1	92.5	90.8	90.0	89.1	88.5	83.6					
	OVERALL SAMPLE DURATION: 33 SEC															
B	DIST FROM SOURCE: 238 METERS															
	85.3	89.6	93.8	94.7	97.0	101.2	102.2	102.4	100.6	95.7	87.2	82.0	81.8	81.7	94.5	108.8
	81.3	81.6	82.1	81.7	80.9	80.5	78.7	77.5								
	OVERALL SAMPLE DURATION: 73.5															
C	DIST FROM SOURCE: 431 METERS															
	77.6	82.3	85.9	88.0	90.1	93.2	92.3	89.9	84.7	77.9	71.2	69.2	71.4	71.2	82.1	98.8
	71.0	70.8	70.5	70.1	69.1	67.9	66.3	63.6								
	OVERALL SAMPLE DURATION: 32 SEC															
D	DIST FROM SOURCE: 753 METERS															
	71.5	76.6	81.6	83.5	85.0	88.4	86.1	82.2	73.4	65.7	63.0	65.7	68.4	68.3	76.9	93.2
	68.4	67.8	67.4	66.5	64.9	62.4	59.3									
	OVERALL SAMPLE DURATION: 33 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	59.5	58.5	57.4	56.0	53.6	51.4	67.0	65.8	65.0	66.2	64.8	64.7	62.6	56.8	57.6	59.9
	OVERALL SAMPLE DURATION: 26 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	65.4	70.2	73.4	73.5	74.6	76.6	73.8	70.9	67.0	63.1	61.0	62.5	63.7	63.5	69.9	82.7
	62.9	61.9	60.8	59.8	57.8	54.7										
	OVERALL SAMPLE DURATION: 29 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( ( NUMBER 292 ) ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ( DATE 30 SEP 80 ) ) TEST AA-103-292 )  
 ( ( ) ) ) ) DATE 05 FEB 87 )  
 ( ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
	96.2	102.3	105.8	108.2	111.0	114.7	117.2	119.3	120.3	119.9	118.6	117.5	118.4	117.8	123.9	129.2
	117.4	115.5	113.4	112.9	111.5	108.5	108.0	108.2								
S	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
	95.9	102.0	105.7	108.3	111.2	114.5	117.4	120.0	121.4	120.7	119.1	116.3	114.5	112.8	118.4	128.1
	109.2	103.6	100.7	98.5	98.1	97.2	95.9	96.6								
T	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
	96.5	102.5	105.9	108.1	110.9	114.9	116.9	118.4	118.9	118.6	118.6	118.5	120.4	120.1	126.5	130.1
	120.1	118.3	116.3	115.9	114.4	111.3	110.9	111.1	110.0	108.3	107.2	109.0	104.0			
A	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS
	87.7	93.6	97.3	98.9	101.4	105.4	107.5	108.3	107.8	104.8	100.9	97.4	94.8	92.8	102.5	114.9
	91.7	89.5	88.7	87.6	86.4	86.6	84.6	83.8	82.2							
B	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS
	85.5	90.3	94.4	94.8	96.8	100.5	101.5	101.7	99.4	94.6	88.6	84.4	82.9	81.6	93.6	108.2
	81.3	81.3	81.1	80.7	79.6	79.2	77.0									
C	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS
	78.0	83.7	88.4	89.0	90.9	93.5	92.5	90.0	85.5	80.1	73.6	70.8	72.9	72.6	83.4	99.4
	72.8	72.7	72.5	72.2	71.4	69.9	68.2	65.2								
D	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS
	71.5	77.1	82.2	83.6	84.7	87.9	85.0	80.3	70.1	62.9	61.8	63.6	66.0	65.7	75.1	92.6
	66.2	66.1	65.5	64.5	62.5	60.3	59.1									
E	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS
	66.6	71.6	76.0	76.0	76.9	77.3	74.5	70.8	67.4	62.6	60.9	62.8	64.5	63.7	70.3	84.2
	63.3	62.4	61.3	60.2	58.0	54.8										
F	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS
	62.8	67.8	71.6	71.1	70.1	69.5	67.2	65.4	62.7	60.5	57.1	60.0	61.8	61.4	67.4	78.7
	61.0	60.1	59.1	57.2	54.8	51.2										
G	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS
	60.9	64.7	67.9	67.4	66.6	67.4	63.5	62.2	58.8	54.8	55.6	58.5	60.5	59.8	64.9	75.5
	58.7	57.7	56.2	54.1	51.1	48.5										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-293  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 293 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 30 SEP 80 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE: 05 FEB 87 )  
 ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 34 SEC															
	96.8	102.5	106.4	108.6	111.8	115.9	118.8	122.0	123.9	123.6	121.2	118.8	120.2	119.6	125.1	131.4
	118.1	115.8	113.9	112.8	110.9	108.4	108.5	108.7	108.0	105.8	104.9					
S	DIST FROM SOURCE: 66 METERS															
	96.5	102.3	106.4	109.8	112.1	115.7	119.2	122.8	125.2	124.7	121.8	118.2	117.3	116.0	121.9	131.2
	111.6	106.5	104.5	103.7	103.8	103.4	102.9	103.8	104.5	102.2	100.8					
T	DIST FROM SOURCE: 66 METERS															
	97.0	102.7	106.5	108.4	111.5	116.0	118.4	120.8	122.2	122.1	120.5	119.3	121.9	121.6	127.0	131.6
	120.6	118.6	116.7	115.6	113.4	110.6	110.9	111.0	109.9	107.8	107.0	102.9	103.8			
A	DIST FROM SOURCE: 134 METERS															
	88.4	94.2	98.5	99.8	102.9	107.3	109.7	111.6	112.0	108.9	103.2	98.3	97.4	96.2	106.7	118.0
	95.5	94.5	94.3	93.8	92.7	93.1	91.3	90.6	89.1	84.2						
B	DIST FROM SOURCE: 238 METERS															
	86.6	91.2	96.0	96.4	98.9	103.2	104.2	105.4	103.9	99.2	91.1	87.2	87.3	85.1	97.3	111.3
	84.6	84.5	84.3	83.6	82.4	82.0	80.3	79.0	75.2							
C	DIST FROM SOURCE: 431 METERS															
	79.3	84.4	89.9	90.6	93.0	96.2	95.6	94.2	90.5	85.1	77.3	73.0	74.8	75.2	86.9	102.2
	75.5	75.6	75.8	75.5	74.6	73.6	72.1	69.4	62.7							
D	DIST FROM SOURCE: 753 METERS															
	72.5	78.0	83.9	85.2	86.9	90.2	87.9	84.5	79.3	68.1	64.8	67.3	70.1	69.8	78.3	95.1
	70.1	68.7	68.2	67.5	65.4	63.1	60.1									
E	DIST FROM SOURCE: 1255 METERS															
	67.8	72.7	78.1	78.4	79.4	81.2	77.1	73.2	69.9	65.4	62.3	63.9	66.1	66.0	73.3	86.9
	66.2	65.7	64.6	63.8	61.8	59.8										
F	DIST FROM SOURCE: 1757 METERS															
	63.0	67.9	72.1	72.8	72.8	73.0	69.8	67.2	65.4	61.4	58.7	60.6	62.6	62.6	68.8	80.5
	62.3	61.4	60.5	59.0	56.3	53.0										
G	DIST FROM SOURCE: 2087 METERS															
	58.6	63.4	68.6	67.9	67.8	68.6	64.4	61.8	59.8	56.5	56.0	57.8	60.0	59.1	64.4	76.0
	58.4	56.8	55.8	53.8	50.7											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 294 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 30 SEP 80 ) ) TEST AR-103-294 )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
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 ( ) ) ) ) )  
 ( ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	96.9	102.0	106.1	108.6	111.5	115.6	118.6	121.2	123.0	122.7	121.2	119.2	120.5	119.7	125.3	131.1
	119.4	116.1	114.0	112.9	111.2	108.7	108.8	108.9	108.0	106.1	104.9					
S	DIST FROM SOURCE: 66 METERS															
	96.7	101.8	106.0	108.8	111.7	115.5	119.0	122.0	124.3	123.9	121.9	118.8	117.8	116.0	121.8	130.7
	111.5	106.3	104.3	103.6	104.0	103.8	103.6	104.4	105.1	102.1	100.4					
T	DIST FROM SOURCE: 66 METERS															
	97.1	102.3	106.1	108.3	111.2	115.8	118.1	120.0	121.2	121.2	120.4	119.6	122.2	121.7	127.2	131.4
	121.0	118.9	116.8	115.6	113.8	110.9	111.1	111.0	109.8	108.1	107.1	103.0	103.8			
A	DIST FROM SOURCE: 134 METERS															
	89.7	94.4	98.5	100.3	103.1	107.4	109.9	111.2	111.3	107.9	103.0	97.2	97.9	98.0	108.4	117.8
	98.1	97.5	97.7	97.2	96.6	97.2	95.1	94.3	92.9	88.3						
B	DIST FROM SOURCE: 238 METERS															
	87.2	91.1	95.9	96.9	99.4	103.5	104.6	105.3	103.4	97.4	89.0	86.1	87.7	87.9	98.7	111.4
	87.8	87.3	87.3	87.1	86.0	85.9	84.4	83.6	82.0	80.1	74.4					
C	DIST FROM SOURCE: 431 METERS															
	80.2	84.5	90.0	91.2	93.5	96.4	95.5	93.0	89.2	84.0	77.3	75.1	77.9	78.1	89.3	102.2
	79.0	79.1	79.3	79.3	78.6	77.7	76.7	74.4	71.8	68.9						
D	DIST FROM SOURCE: 753 METERS															
	74.0	78.8	84.6	86.3	88.0	91.0	87.3	81.2	72.3	68.6	66.7	70.0	72.2	72.6	81.1	95.5
	72.7	72.3	72.7	71.9	70.2	68.0	65.7	61.8								
E	DIST FROM SOURCE: 1255 METERS															
	70.0	74.6	80.0	81.1	83.1	84.5	81.2	77.4	72.7	69.4	66.7	67.6	69.6	70.0	78.7	90.2
	70.4	70.9	70.7	70.4	68.5	65.6	61.9									
F	DIST FROM SOURCE: 1757 METERS															
	64.5	69.7	74.3	74.9	74.2	75.7	73.4	70.3	67.1	62.2	58.7	60.4	62.1	61.9	69.8	82.7
	62.3	62.6	62.2	60.3	58.2	54.6										
G	DIST FROM SOURCE: 2087 METERS															
	59.8	64.1	69.3	70.5	70.1	70.3	67.1	64.0	59.8	56.3	56.3	57.8	59.8	59.0	64.7	77.6
	58.3	56.9	56.1	54.1	51.1											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: MRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 30 SEP 80 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-295 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	96.9	102.4	106.0	108.7	111.9	116.1	118.5	121.6	123.3	123.3	121.4	119.3	120.3	119.7	125.2	131.3
	118.5	116.2	114.0	112.8	110.8	108.2	108.2	108.3	107.7	105.6	104.4					
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	96.6	102.3	105.9	108.9	112.2	115.9	118.9	122.5	124.5	124.9	121.9	118.6	117.4	115.8	121.6	130.9
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	97.1	102.6	106.1	108.6	111.6	116.2	118.2	120.6	121.5	121.8	120.8	119.8	122.1	121.7	127.2	131.6
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	89.3	94.5	98.3	100.1	103.2	107.5	109.6	111.6	111.5	108.6	103.8	98.3	97.8	97.5	107.5	117.9
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	86.8	91.0	95.4	96.3	98.9	103.0	103.6	104.8	103.1	98.3	90.1	85.9	85.7	84.5	96.4	110.8
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	79.5	84.3	89.1	90.3	92.8	95.8	94.9	93.4	89.2	84.2	77.1	72.6	74.4	75.3	86.3	101.7
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	72.5	78.0	83.2	85.3	87.5	90.5	87.7	83.9	72.9	65.0	65.0	67.4	70.4	70.8	79.9	95.2
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	68.4	72.5	77.5	78.0	80.1	81.6	77.7	74.1	67.6	62.3	60.5	63.2	65.5	65.3	72.5	87.0
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	63.5	68.0	70.8	70.6	71.2	70.8	70.0	68.9	63.6	59.1	57.2	58.8	61.1	61.2	67.2	79.3
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	60.0	64.6	68.0	66.4	67.4	66.0	63.7	64.1	58.3	56.1	55.9	57.4	59.2	58.6	64.4	75.3

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 296 ) ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 30 SEP 80 ) ) ) TEST AA-104-296  
 ) ) ) ) ) DATE 05 FEB 87  
 ) ) ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)		
L	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																	
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 31 SEC																
93.9	100.5	103.4	106.1	109.7	113.2	115.8	117.6	119.2	118.5	114.9	107.2	105.8	107.4	107.4	116.9	125.5		
106.8	105.4	104.9	106.2	105.7	103.3	103.0	103.0	99.4									99.4	
S	75 METERS																	
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 31 SEC																
93.7	100.0	103.7	106.2	109.8	112.9	116.1	118.5	120.8	120.4	116.9	108.4	103.0	100.5	100.5	115.1	126.5		
96.9	94.2	95.6	97.0	98.2	98.6	98.9	100.4	96.7									96.7	
T	75 METERS																	
DIST FROM SOURCE:	75 METERS	OVERALL SAMPLE DURATION: 31 SEC																
94.0	100.9	103.1	106.1	109.5	113.4	115.4	116.5	114.9	110.9	105.6	107.5	110.0	110.0	110.0	118.3	124.4		
109.6	108.3	107.7	109.0	108.3	105.5	105.0	104.5	104.3	101.1	99.3							99.3	
B	238 METERS																	
DIST FROM SOURCE:	238 METERS	OVERALL SAMPLE DURATION: 31 SEC																
81.5	88.6	92.9	95.2	97.3	102.1	102.9	100.4	93.0	85.3	83.8	86.6	88.7	88.7	88.7	99.7	109.4		
89.3	89.4	90.7	90.7	89.7	88.5	87.2	85.3	81.9									81.9	
C	423 METERS																	
DIST FROM SOURCE:	423 METERS	OVERALL SAMPLE DURATION: 31 SEC																
77.4	83.8	88.4	90.4	92.2	96.0	94.1	89.3	84.2	77.1	71.9	74.2	78.6	80.4	80.4	90.3	101.0		
81.2	81.5	82.1	81.9	80.9	80.0	79.5											79.5	
D	753 METERS																	
DIST FROM SOURCE:	753 METERS	OVERALL SAMPLE DURATION: 31 SEC																
71.3	78.3	82.7	84.6	86.2	89.4	88.1	83.4	74.5	67.8	65.1	67.1	70.8	72.6	72.6	81.0	94.6		
72.4	72.1	72.5	71.8	70.4	68.6	65.9	62.0										62.0	
E	1255 METERS																	
DIST FROM SOURCE:	1255 METERS	OVERALL SAMPLE DURATION: 31 SEC																
66.8	72.4	76.2	77.7	79.6	82.3	81.0	75.9	68.8	61.5	59.4	61.7	64.7	66.2	66.2	74.2	87.7		
66.1	66.0	66.1	65.4	63.5	60.4	57.7											57.7	
F	1757 METERS																	
DIST FROM SOURCE:	1757 METERS	OVERALL SAMPLE DURATION: 31 SEC																
62.4	68.0	71.6	72.4	72.6	74.0	70.3	66.3	62.5	57.0	57.1	60.2	62.8	63.9	63.9	69.4	80.5		
63.9	62.4	61.3	59.6	56.3	52.0												52.0	
G	2079 METERS																	
DIST FROM SOURCE:	2079 METERS	OVERALL SAMPLE DURATION: 31 SEC																
60.7	66.3	68.5	68.7	69.7	69.7	66.5	65.5	62.9	56.1	57.3	59.8	61.1	61.1	61.1	66.8	77.4		
60.9	59.7	59.0	57.4	53.4	49.3												49.3	
H	2273 METERS																	
DIST FROM SOURCE:	2273 METERS	OVERALL SAMPLE DURATION: 31 SEC																
61.9	66.0	68.6	67.7	68.4	69.2	66.2	64.8	61.7	58.3	55.5	57.8	59.3	59.7	59.7	65.8	76.8		
60.1	59.1	57.8	55.8	52.4	48.3												48.3	
I	2377 METERS																	
DIST FROM SOURCE:	2377 METERS	OVERALL SAMPLE DURATION: 31 SEC																
57.5	62.8	65.0	64.4	65.1	65.9	64.1	61.7	60.3	53.7	56.0	56.1	56.1	56.1	56.1	62.1	73.6		
55.9	55.1	54.3	52.0	48.6	45.4												45.4	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

( STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 ( SOUND SOURCE: C-135A ( NUMBER 297 ) ARRAY 04 ) OMEGA 12.2  
 ( LOCATION 02 HT AGL 1.5 M ( DATE 30 SEP 80 ) ) TEST AA-104-297  
 ( ) ) ) DATE 05 FEB 87  
 ( ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 75 METERS	95.1	100.9	103.7	106.0	110.7	114.4	116.9	119.7	121.4	120.6	116.1	107.6	106.1	107.0	118.2	127.3
		106.7	106.0	107.0	107.0	106.4	104.3	104.2	104.6	103.1	99.6	98.6					
S	DIST FROM SOURCE: 75 METERS	94.7	100.5	104.1	106.9	110.9	114.3	117.5	120.8	123.2	122.7	118.4	109.0	102.9	98.8	117.5	128.5
		96.2	94.5	97.5	99.3	101.4	102.5	103.3	104.6	102.6	97.4	97.9					
T	DIST FROM SOURCE: 75 METERS	99.4	101.2	103.4	106.7	110.4	114.4	116.2	118.3	116.3	110.7	105.4	107.9	109.6	118.7	125.4	
		109.5	108.0	108.7	109.6	108.6	105.6	104.9	104.6	103.5	101.0	99.2	96.1				
B	DIST FROM SOURCE: 238 METERS	82.4	89.0	93.0	95.3	97.7	102.3	102.8	103.7	100.0	90.3	81.0	83.4	87.0	89.3	102.7	110.0
		91.1	92.3	94.0	94.6	94.0	92.6	90.9	88.5	82.0							
C	DIST FROM SOURCE: 423 METERS	78.3	84.3	88.3	90.9	93.4	97.2	95.1	89.7	83.2	76.1	71.2	75.6	80.0	81.6	91.9	101.9
		82.4	82.8	83.8	83.5	82.6	81.7	80.5									
D	DIST FROM SOURCE: 753 METERS	72.7	79.3	83.5	85.7	88.1	91.2	89.4	84.1	74.9	68.9	65.1	67.4	71.6	73.7	84.1	96.1
		75.0	75.3	75.9	75.5	74.7	73.0	69.9	65.5	58.7							
E	DIST FROM SOURCE: 1255 METERS	68.7	75.1	78.6	80.3	82.9	85.2	82.8	76.9	68.9	62.2	60.5	61.0	65.2	66.8	75.5	90.1
		67.2	67.1	67.0	67.1	65.4	62.0	59.4									
F	DIST FROM SOURCE: 1757 METERS	63.4	69.5	74.1	75.6	76.1	77.5	73.3	69.6	62.4	56.2	56.7	59.8	62.0	62.7	69.6	83.3
		63.1	62.4	62.2	60.2	57.0	52.5										
G	DIST FROM SOURCE: 2079 METERS	61.1	66.4	70.6	71.9	71.8	71.7	66.9	65.3	61.4	58.4	55.1	56.8	58.6	58.4	64.9	78.9
		58.5	57.3	56.8	55.2	51.7	47.8										
H	DIST FROM SOURCE: 2273 METERS	62.1	65.5	69.1	69.7	70.4	70.0	66.3	64.3	60.8	57.9	55.2	56.7	58.3	58.5	64.2	77.4
		58.1	57.0	56.0	53.0	50.1	46.4										
I	DIST FROM SOURCE: 2377 METERS	57.8	62.2	65.7	66.9	67.0	66.8	63.3	61.2	59.0	52.9	55.1	54.0	60.7	74.3		
		54.6	53.5	52.5	50.1	46.9	44.0										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2  
 ) TEST AA-103-299  
 )  
 )  
 ) MICROPHONE: )  
 ) ) ARRAY 03  
 ) )  
 ) ) DATE 05 FEB 87  
 ) ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( NUMBER 299 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	99.3	105.0	109.4	111.9	116.2	119.8	123.1	125.5	127.6	126.6	122.9	121.3	123.7	121.6	128.4	134.6
	119.5	117.0	114.1	115.0	115.8	114.8	115.0	115.4	114.0	112.4	111.4	107.2	107.3			
S DIST FROM SOURCE: 66 METERS																
	99.1	104.9	109.5	112.3	116.6	119.8	124.0	126.8	129.2	128.1	124.0	120.9	122.3	118.1	127.9	135.2
	111.2	110.9	112.1	114.0	115.4	116.0	115.9	116.7	115.0	113.4	112.3	108.2	108.2			
T DIST FROM SOURCE: 66 METERS																
	99.5	105.0	109.3	111.5	115.7	119.7	122.1	123.4	124.7	124.2	121.6	121.7	124.8	123.5	128.8	133.8
	122.2	119.4	115.5	115.7	116.1	113.1	113.0	113.5	112.7	111.0	110.2	105.8	106.2			
A DIST FROM SOURCE: 134 METERS																
	92.3	97.1	102.0	104.0	107.7	111.8	113.9	114.4	113.0	105.6	92.0	98.1	104.1	106.0	116.7	121.8
	108.9	110.5	110.7	105.8	103.9	104.9	98.9	99.0	97.6	97.1	93.8	92.1	89.5			
B DIST FROM SOURCE: 238 METERS																
	90.3	94.3	100.1	101.4	104.6	108.1	107.8	106.0	99.9	86.2	83.3	89.4	96.4	100.5	111.9	116.1
	104.7	107.1	106.0	98.7	99.9	99.3	95.3	93.7	92.2	91.6	88.1	84.9	81.3			
C DIST FROM SOURCE: 431 METERS																
	83.8	88.8	95.2	97.0	100.3	102.0	98.8	89.7	84.1	73.3	69.9	77.4	86.7	92.9	101.6	108.0
	98.9	97.0	91.3	87.0	87.5	85.9	84.5	80.2	78.6	77.5						
D DIST FROM SOURCE: 753 METERS																
	78.7	84.5	91.5	94.0	96.0	95.8	90.5	82.0	72.4	67.3	65.8	69.1	71.3	81.0	89.8	101.6
	87.9	84.3	81.3	74.5	73.3	71.8										
E DIST FROM SOURCE: 1255 METERS																
	74.7	79.8	86.6	86.8	86.3	84.3	80.8	73.5	72.6	69.2	66.2	67.4	67.5	74.8	79.2	93.1
	74.6	72.6	68.9	68.4	64.9	62.3	59.1									
F DIST FROM SOURCE: 1757 METERS																
	69.3	75.3	81.1	82.1	80.6	75.0	74.5	77.2	73.3	68.7	68.1	73.6	75.7	77.5	81.0	89.1
	77.4	71.2	72.9	68.0	62.1	61.7	56.8									
G DIST FROM SOURCE: 2087 METERS																
	65.2	71.1	77.5	78.3	79.1	78.0	71.0	64.9	63.8	64.1	66.0	70.2	74.9	73.6	77.2	86.1
	73.6	66.0	66.2	63.5	59.9	56.9										
I DIST FROM SOURCE: 2377 METERS																
	64.5	71.3	76.5	77.9	80.3	81.2	76.8	70.2	66.6	63.7	59.9	71.9	77.1	79.3	80.9	88.2
	77.1	72.4	65.7	65.0	63.5	56.0	53.2									



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-300  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M  
 ( EVENT: NUMBER 300  
 DATE 01 OCT 80  
 )  
 ) MICROPHONE: ARRAY 03  
 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	98.3	104.3	108.9	111.2	115.6	119.2	122.7	125.4	127.1	126.3	122.7	120.6	123.4	121.1	127.8	134.2
	118.5	116.0	113.2	114.3	114.8	114.1	114.3	114.8	113.4	112.1	111.3	107.5	107.6			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	98.0	104.3	109.0	111.6	116.0	119.3	123.5	126.8	128.8	127.8	123.8	120.3	122.2	118.0	127.6	134.9
	111.1	110.8	111.8	113.5	114.9	115.4	115.3	116.3	114.8	113.5	112.7	109.3	109.3			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	98.6	104.3	108.8	110.8	115.2	119.2	121.6	123.4	124.3	123.9	121.3	120.9	124.4	122.9	127.9	133.3
	121.1	118.3	114.3	114.9	114.7	112.3	113.0	112.4	111.2	109.9	109.1	104.4	104.9			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	91.3	96.7	101.6	103.4	107.2	111.3	113.4	114.5	112.9	105.6	91.9	97.3	103.8	105.9	116.6	121.6
	108.8	110.6	110.4	106.0	104.9	105.0	98.7	98.2	95.9	94.6	91.0	88.7	86.7			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	89.5	93.8	99.8	100.8	104.2	107.7	107.4	105.9	99.3	86.2	85.4	92.1	98.7	100.8	110.8	115.5
	103.7	106.3	104.6	97.5	97.8	97.9	92.2	92.6	91.0	89.6	86.2	82.7				
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	82.7	88.4	94.8	96.4	99.8	101.6	98.4	89.9	83.4	72.6	71.2	78.6	86.7	92.2	101.9	107.8
	98.1	98.4	91.3	87.3	89.8	86.8	82.9	81.6	79.5	76.6						
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 26 SEC															
	77.6	83.7	90.9	92.9	95.2	95.3	90.4	82.8	71.8	64.2	62.4	64.7	75.3	83.0	90.5	101.1
	88.8	85.5	79.5	76.2	71.7	72.5										
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	73.3	79.1	86.3	86.5	86.2	84.2	80.9	72.8	72.5	70.5	69.3	75.4	81.3	84.7	87.8	94.5
	85.5	79.9	75.0	75.1	69.2	68.7	66.8	60.6								
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	68.2	74.7	80.6	81.9	80.3	74.7	74.7	77.2	72.0	68.6	66.7	67.4	74.6	77.8	85.4	89.8
	78.4	75.1	79.7	79.1	72.7	68.6	67.0	58.9	56.3							
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	64.7	70.6	77.1	77.8	78.7	77.5	70.1	64.6	65.7	65.3	65.4	67.7	80.9	82.6	84.1	88.7
	79.5	73.4	75.0	69.5	64.3	61.2										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	63.4	71.0	76.3	77.4	79.7	80.9	76.7	68.7	66.2	62.5	61.6	73.9	76.3	78.1	80.1	87.6
	73.2	70.5	70.4	68.1	67.3	62.1	54.9									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 301 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-109-301 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	98.6	105.1	108.3	111.3	115.2	118.8	122.5	125.3	127.0	126.0	122.7	120.8	123.5	121.1	127.8	134.1
	118.4	115.8	113.2	114.5	115.0	114.3	114.4	114.8	113.5	112.1	111.2	107.4	107.4			
S	DIST FROM SOURCE: 66 METERS															
	98.3	105.1	108.3	111.6	115.6	118.8	123.4	126.7	128.8	127.6	123.8	120.6	122.3	118.0	127.8	134.8
	111.0	110.9	112.1	113.8	115.3	115.7	115.6	116.4	115.0	113.7	112.8	109.2	109.1			
T	DIST FROM SOURCE: 66 METERS															
	98.9	105.1	108.2	110.9	114.8	118.7	121.5	123.2	124.1	123.5	121.0	121.0	124.4	122.9	127.8	133.1
	121.0	118.1	114.1	115.1	114.8	112.3	112.7	112.2	110.9	109.7	108.8	104.3	104.8			
A	DIST FROM SOURCE: 134 METERS															
	91.6	97.5	100.8	103.4	106.6	110.9	113.3	114.2	112.6	104.9	91.5	97.9	104.4	106.8	117.1	121.7
	109.8	111.3	110.9	106.2	105.4	104.7	100.2	98.3	97.4	96.1	92.6	90.1	87.6			
B	DIST FROM SOURCE: 238 METERS															
	89.8	94.7	98.9	100.8	103.7	107.4	107.4	105.6	99.2	85.3	83.0	89.7	97.3	101.1	111.1	115.5
	105.4	106.9	104.1	99.3	97.5	96.8	91.7	91.6	90.4	88.5	84.9	81.7				
C	DIST FROM SOURCE: 431 METERS															
	82.9	89.1	94.0	96.4	99.1	101.0	97.9	89.9	84.8	73.6	71.8	78.1	84.9	90.4	101.2	107.2
	97.6	98.2	92.2	85.4	86.1	84.9	79.5	78.6	76.3	73.2						
D	DIST FROM SOURCE: 753 METERS															
	77.3	84.2	89.8	93.0	94.4	94.7	89.7	81.6	71.1	66.1	67.6	69.4	70.6	78.4	89.8	100.5
	88.1	86.4	77.1	73.4	70.4	68.6	62.5	58.0								
E	DIST FROM SOURCE: 1255 METERS															
	73.7	80.1	85.5	86.6	85.8	84.0	80.3	72.2	71.4	69.6	69.8	77.1	83.4	87.0	91.8	95.9
	89.0	82.3	83.2	80.9	75.2	76.8	74.9	71.4	68.3	67.8						
F	DIST FROM SOURCE: 1757 METERS															
	68.7	75.8	80.4	82.4	80.0	74.6	75.0	76.7	71.3	68.1	70.2	76.2	74.4	80.9	85.7	90.5
	83.3	75.9	79.3	73.3	66.6	66.8	59.1	55.4								
G	DIST FROM SOURCE: 2087 METERS															
	66.0	71.6	76.6	77.9	77.8	76.7	69.6	62.8	63.9	64.3	66.7	73.0	83.5	81.8	84.7	89.2
	79.9	76.3	74.2	69.6	65.8	62.5										
I	DIST FROM SOURCE: 2377 METERS															
	64.2	71.9	76.1	77.4	78.9	80.1	75.9	67.7	64.7	61.1	63.4	73.1	72.4	75.9	79.8	87.1
	77.4	72.7	69.5	63.9	59.5	53.4										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 302 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 80 ) ) TEST AA-103-302 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	SK	6300	8K	10K			
	98.6	104.9	108.7	111.6	115.4	119.1	122.4	124.8	127.0	126.0	122.2	120.5	123.4	121.2	127.9	134.0
	118.9	116.8	113.9	114.2	115.0	114.1	114.2	114.9	113.5	112.0	111.5	107.5	107.4			
S	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 66 METERS	98.2	104.8	108.7	111.9	115.7	119.1	123.2	126.2	128.7	127.5	123.2	120.1	122.0	117.7	127.5	134.6
	111.0	110.6	111.5	113.4	114.8	115.4	115.3	116.4	115.0	113.4	113.0	109.2	109.0			
T	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 66 METERS	99.0	104.9	108.8	111.3	115.0	119.0	121.5	122.9	124.2	123.6	120.7	120.9	124.5	123.1	128.2	133.2
	121.6	119.3	115.4	114.8	115.2	112.3	112.8	112.6	111.4	109.8	109.2	104.7	105.0			
A	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 134 METERS	91.3	97.0	101.5	103.7	107.0	111.3	113.5	113.9	112.8	105.2	91.9	98.6	104.9	107.0	117.6	121.9
	109.8	111.6	111.5	107.1	105.4	105.2	101.7	98.5	97.7	96.7	93.1	90.8	88.1			
B	OVERALL SAMPLE DURATION: 31 SEC															
DIST FROM SOURCE: 238 METERS	89.5	94.3	99.5	101.2	104.0	107.8	107.6	105.5	99.6	85.5	82.5	89.3	97.2	101.8	111.9	116.0
	106.3	107.6	104.7	100.7	98.1	98.6	92.7	92.6	90.2	88.5	84.3	81.2				
C	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 431 METERS	82.6	88.6	94.6	96.7	99.6	101.7	98.5	89.8	84.9	74.7	71.3	79.4	87.3	92.7	102.4	108.0
	98.7	98.7	94.5	87.9	86.5	85.9	79.5	79.8	76.7	73.1						
D	OVERALL SAMPLE DURATION: 22 SEC															
DIST FROM SOURCE: 753 METERS	77.4	84.0	90.7	93.6	95.3	95.5	90.6	81.0	71.5	68.0	66.1	70.3	72.5	80.9	91.6	101.4
	89.7	88.4	78.5	75.9	71.2	71.8										
E	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 1255 METERS	73.5	79.6	85.9	87.0	86.3	84.7	80.9	72.0	70.2	68.7	68.5	76.8	84.2	88.8	93.1	96.8
	89.3	84.3	86.5	82.7	75.3	76.6	73.5	69.3	64.3							
F	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 1757 METERS	68.5	75.4	81.1	82.5	80.4	74.9	75.2	75.6	69.7	65.5	67.5	74.2	75.6	80.0	85.6	90.6
	85.0	75.9	73.9	71.9	68.8	64.0	57.1									
G	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2087 METERS	65.4	71.2	77.4	78.2	76.4	77.0	69.3	63.1	63.8	63.4	65.6	71.3	81.5	79.7	81.5	87.7
	75.5	70.7	69.7	63.7	59.2	56.3										
I	OVERALL SAMPLE DURATION: 30 SEC															
DIST FROM SOURCE: 2377 METERS	64.3	71.5	76.5	77.7	79.3	80.1	75.3	65.1	62.6	58.2	62.3	70.1	74.3	81.2	81.8	87.9
	79.1	70.1	65.9	68.4	63.4	56.6										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 303 ) ARRAY 03 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 01 OCT 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-303 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	99.0	104.8	108.9	111.7	116.0	119.3	122.7	125.0	126.8	125.8	122.8	120.9	123.5	121.5	128.0	134.1
	119.2	117.0	114.1	114.0	114.8	113.9	114.2	115.0	114.0	112.2	111.8	108.6	108.4			
S DIST FROM SOURCE: 66 METERS																
	98.6	104.8	108.9	112.0	116.3	119.3	123.4	126.3	128.5	127.3	123.8	120.4	122.0	118.0	127.5	134.6
	111.7	110.9	111.5	113.1	114.4	115.0	115.1	116.4	115.4	113.6	113.3	110.6	110.2			
T DIST FROM SOURCE: 66 METERS																
	99.3	104.8	108.9	111.3	115.5	119.2	121.7	123.0	124.2	123.6	121.5	121.3	124.6	123.4	128.4	133.4
	121.8	119.5	115.7	114.8	115.2	112.5	113.1	112.9	111.8	110.2	109.5	104.9	105.4			
A DIST FROM SOURCE: 134 METERS																
	91.4	97.1	101.6	103.9	107.5	111.6	113.7	114.1	112.8	105.3	92.3	98.9	105.6	107.9	118.2	122.3
	110.8	112.3	111.9	107.8	105.5	106.0	102.2	99.8	98.4	97.8	93.6	91.7	88.8			
B DIST FROM SOURCE: 238 METERS																
	89.4	94.6	99.7	101.4	104.6	108.2	107.8	105.8	99.5	86.5	86.4	92.5	99.0	102.5	112.6	116.5
	106.7	108.3	105.7	101.5	97.5	99.0	94.1	93.6	91.3	89.3	85.5	81.9				
C DIST FROM SOURCE: 431 METERS																
	83.0	89.0	94.9	97.1	100.3	102.0	98.8	90.6	85.0	76.2	76.4	83.9	91.8	96.5	104.4	109.1
	101.2	99.5	96.3	91.6	87.8	90.0	84.4	84.1	81.8	78.9	73.5					
D DIST FROM SOURCE: 753 METERS																
	77.6	84.0	90.6	93.5	95.4	95.6	90.6	82.2	72.3	67.6	68.9	77.5	84.3	89.9	95.5	102.4
	93.8	89.5	83.6	82.2	78.6	78.4	73.9	70.5								
E DIST FROM SOURCE: 1255 METERS																
	73.2	79.3	85.9	86.8	86.3	84.7	81.1	70.0	69.2	67.3	68.4	78.6	86.6	88.5	90.8	95.9
	82.1	85.2	82.1	77.5	74.7	71.8	68.1	65.0								
F DIST FROM SOURCE: 1757 METERS																
	68.3	74.6	80.5	82.1	80.5	75.3	74.5	75.3	69.7	64.4	68.0	76.1	78.0	84.1	87.9	91.6
	83.4	80.3	82.4	74.3	70.4	66.8	60.2									
G DIST FROM SOURCE: 2087 METERS																
	64.9	70.2	76.7	77.8	78.4	77.7	70.6	60.9	60.8	61.2	65.9	75.5	84.1	82.2	83.6	89.0
	72.6	71.9	72.8	69.3	63.4	57.9										
I DIST FROM SOURCE: 2377 METERS																
	64.2	70.4	75.6	77.1	79.1	80.4	75.8	64.5	59.7	56.2	62.8	73.4	76.0	85.2	84.5	89.4
	81.1	70.3	64.6	58.0	60.3	52.8										



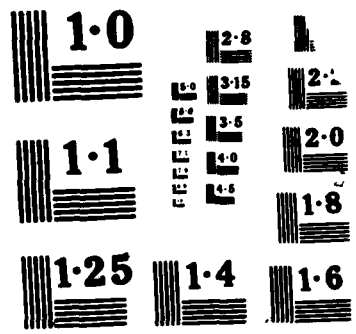


TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-104-304  
 )  
 ) DATE 05 FEB 67  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 304 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 01 OCT 60 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	900	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		121.5	129.0
DIST FROM SOURCE: 75 METERS																
	96.5	101.5	105.1	108.1	113.5	116.2	119.9	122.3	129.1	119.2	113.2	110.9	113.0	113.1		
	113.3	112.4	111.3	109.9	108.6	108.1	108.3	107.9	106.0	103.9	98.3	98.2				
OVERALL SAMPLE DURATION: 31 SEC																
S	DIST FROM SOURCE: 75 METERS															
	95.9	101.2	105.6	108.3	113.8	116.2	120.4	123.5	125.0	121.5	115.7	110.3	105.1	102.3	119.1	129.8
	100.7	99.2	101.9	103.1	105.4	106.9	107.6	108.0	104.3	102.5	98.0	97.3				
OVERALL SAMPLE DURATION: 31 SEC																
T	DIST FROM SOURCE: 75 METERS															
	97.1	101.8	104.6	107.8	113.2	116.2	119.3	120.7	119.6	114.0	106.3	111.5	115.7	115.9	123.0	128.1
	116.2	115.3	114.1	112.4	110.4	109.0	108.8	107.8	107.2	104.9	103.3	98.6	99.0			
OVERALL SAMPLE DURATION: 32 SEC																
A	DIST FROM SOURCE: 134 METERS															
	90.7	96.4	100.7	103.5	107.8	111.9	115.4	116.2	113.0	101.7	88.8	98.0	102.2	104.3	115.9	122.1
	106.1	108.1	108.7	107.7	104.7	101.8	103.5	101.3	97.9	97.3	93.6	91.7	88.3			
OVERALL SAMPLE DURATION: 32 SEC																
B	DIST FROM SOURCE: 238 METERS															
	84.7	91.9	96.3	99.2	102.8	106.3	107.6	105.6	97.9	81.1	83.1	93.4	98.6	102.5	112.3	115.7
	105.1	106.9	105.7	102.1	100.5	99.7	96.0	95.5	90.9	88.2	84.8	82.1				
OVERALL SAMPLE DURATION: 31 SEC																
C	DIST FROM SOURCE: 423 METERS															
	81.3	87.6	92.1	94.5	96.9	99.4	95.0	87.2	82.0	72.0	74.8	80.9	86.5	91.3	102.3	106.1
	94.1	93.1	96.0	96.3	91.5	88.0	88.2	83.9								
OVERALL SAMPLE DURATION: 31 SEC																
D	DIST FROM SOURCE: 753 METERS															
	78.8	86.6	91.3	93.2	94.4	93.6	86.5	84.9	80.1	69.6	69.4	78.3	86.8	91.8	98.5	102.7
	91.9	93.1	93.4	85.5	83.8	84.7	78.8	72.7	66.7							
OVERALL SAMPLE DURATION: 32 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	76.5	81.0	82.0	83.8	83.8	83.3	83.7	86.4	85.0	78.1	83.2	90.0	90.3	86.2	91.8	97.4
	84.1	82.7	81.5	78.7	77.8	72.4	69.6	63.0								
OVERALL SAMPLE DURATION: 31 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	78.6	84.4	88.2	87.7	85.7	80.1	85.1	89.7	90.9	82.9	82.3	88.0	89.2	88.9	95.6	100.1
	91.2	90.7	82.3	83.0	83.4	78.7	76.9	72.1								
OVERALL SAMPLE DURATION: 31 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	72.1	76.5	85.0	85.3	79.2	81.8	82.0	83.3	79.9	75.4	82.2	88.3	90.0	87.3	90.8	96.4
	89.5	81.8	78.6	75.7	73.9	69.3	64.4									
OVERALL SAMPLE DURATION: 31 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	72.2	84.4	87.7	80.4	88.5	90.3	94.1	91.0	86.7	84.2	88.6	91.9	93.9	90.7	95.5	101.8
	87.6	87.8	85.0	82.5	80.6	77.2	73.4	71.9								
OVERALL SAMPLE DURATION: 31 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	73.8	81.4	78.8	82.5	83.3	88.3	91.3	88.6	83.8	82.4	88.0	90.9	90.4	84.2	91.5	98.8
	84.0	82.6	79.1	76.7	73.8	71.5										
OVERALL SAMPLE DURATION: 31 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 305 ) ARRAY 04 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 01 OCT 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-305 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	97.1	102.5	105.6	108.1	113.9	116.7	120.2	122.5	123.5	120.0	113.4	110.9	113.0	112.7	121.7	129.4
	113.2	112.4	110.9	109.4	109.0	108.7	109.0	108.6	105.8	104.2	103.6	98.9	98.5			
S	DIST FROM SOURCE: 75 METERS															
	96.6	102.2	106.1	108.3	114.2	116.7	120.7	123.8	125.5	122.3	116.1	110.1	105.5	103.0	120.4	130.3
	102.0	101.7	104.8	105.5	107.4	108.7	109.5	109.7	105.9	104.5	104.2	99.8	99.2			
T	DIST FROM SOURCE: 75 METERS															
	97.5	102.7	105.0	107.8	113.5	116.7	119.6	120.7	119.9	114.6	105.8	111.6	115.6	115.5	122.7	128.2
	116.1	115.2	113.4	111.4	110.2	108.8	108.4	107.1	105.7	103.8	102.9	97.9	97.7			
A	DIST FROM SOURCE: 134 METERS															
	91.8	97.6	101.2	103.7	108.6	112.9	116.1	116.6	113.7	109.0	89.6	98.4	100.9	102.0	115.0	122.4
	104.0	106.6	107.5	107.2	104.8	101.2	100.5	100.8	96.9	95.7	92.9	90.7	87.0			
B	DIST FROM SOURCE: 238 METERS															
	86.1	93.5	97.5	100.0	104.0	107.9	108.9	106.4	98.4	84.8	88.0	97.1	101.3	103.6	113.6	117.0
	105.9	108.1	107.1	103.2	101.6	101.4	98.9	96.8	93.9	91.7	88.1	86.5	82.5			
C	DIST FROM SOURCE: 423 METERS															
	81.9	89.1	93.3	95.4	98.4	100.6	94.7	90.4	86.4	76.7	75.9	86.5	93.4	95.7	103.3	107.4
	95.8	93.9	97.0	95.6	92.6	89.9	87.3	84.1	81.2							
D	DIST FROM SOURCE: 753 METERS															
	79.4	87.4	91.5	92.8	94.0	91.2	90.9	91.2	89.8	81.8	84.3	92.4	95.6	95.6	103.9	106.4
	97.2	98.7	96.9	92.1	92.1	91.3	85.8	83.3	78.6	76.8	73.5					
E	DIST FROM SOURCE: 1255 METERS															
	78.4	85.1	88.7	87.9	86.1	86.3	87.6	89.2	91.2	82.7	78.4	81.4	85.1	86.4	95.1	99.9
	90.1	90.4	87.9	81.2	82.9	81.3	74.1	71.7								
F	DIST FROM SOURCE: 1757 METERS															
	77.6	82.8	83.5	83.2	84.0	80.2	80.2	79.2	79.3	74.5	78.5	86.2	87.2	85.0	89.9	95.2
	85.0	81.9	77.3	78.0	76.9	71.3	68.3	62.0								
G	DIST FROM SOURCE: 2079 METERS															
	74.4	77.3	84.0	84.3	78.4	77.2	86.3	85.4	87.2	80.3	80.5	86.4	84.9	86.9	89.1	95.8
	80.9	79.3	77.4	77.2	74.2	69.6	64.5									
H	DIST FROM SOURCE: 2273 METERS															
	70.7	84.6	87.8	79.9	87.0	89.7	88.4	88.5	85.0	81.7	85.7	90.2	91.8	89.9	93.8	99.8
	87.4	85.2	81.8	81.4	77.8	75.3	70.9									
I	DIST FROM SOURCE: 2377 METERS															
	73.4	82.3	80.3	80.1	83.9	86.4	89.9	87.3	84.8	82.1	86.2	89.2	90.5	85.7	91.7	98.1
	84.3	83.4	79.7	78.7	75.6	73.1										



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2  
 ) TEST AA-104-306  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 306 ) ARRAY 04 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 01 OCT 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	900	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	96.2	101.9	105.4	107.8	114.1	116.6	119.7	122.3	123.5	119.7	113.3	110.9	112.4	112.3	121.4	129.2
	112.6	112.3	111.5	109.9	108.5	107.5	108.1	107.7	105.5	103.4	103.2	98.4	98.2			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	95.5	101.5	105.9	108.0	114.3	116.5	120.2	123.5	125.4	121.9	115.8	110.5	104.8	101.7	119.3	130.0
	100.3	99.5	102.3	103.4	105.5	106.7	107.4	108.1	104.9	102.6	103.2	98.4	98.1			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	96.8	102.3	105.0	107.7	113.9	116.8	119.3	120.8	120.2	114.8	106.8	111.3	115.0	115.2	122.8	128.2
	115.5	115.2	114.3	112.4	110.2	108.2	108.7	107.3	106.0	104.1	103.2	98.3	98.3			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	91.5	97.5	101.3	103.4	108.6	112.4	115.5	116.4	113.5	102.5	89.7	99.3	103.0	104.7	116.1	122.4
	105.2	108.3	109.0	108.0	105.3	102.0	102.1	101.6	98.3	97.4	94.7	92.8	89.1			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	85.7	93.4	97.9	100.2	104.6	107.9	108.6	106.7	98.7	84.7	88.4	98.3	102.9	105.8	114.3	117.4
	107.2	108.7	107.1	103.7	102.7	102.2	99.3	97.6	93.6	90.7	87.3	84.4	81.3			
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	81.6	88.5	93.2	94.8	98.1	100.2	94.6	91.3	85.5	78.4	80.5	90.0	95.0	95.7	103.9	107.5
	93.5	95.7	97.7	96.4	93.5	90.2	88.1	86.1	82.4							
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	79.9	87.9	92.4	93.5	95.2	92.7	89.5	87.2	80.2	75.4	80.5	88.8	91.7	92.9	100.1	104.1
	94.8	93.9	93.7	90.6	86.4	83.1	79.1	74.9	68.3							
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	78.3	85.4	89.5	88.6	86.4	84.9	89.3	92.2	92.5	85.8	84.6	90.7	91.4	92.1	97.4	102.1
	92.8	89.9	87.9	84.0	86.5	80.4	79.1	74.2	69.5							
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	77.6	83.5	85.1	83.1	83.8	81.5	80.5	85.1	84.9	79.2	80.4	85.5	89.6	86.3	92.1	96.9
	86.4	84.5	80.8	82.5	78.3	74.6	69.7	63.8								
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	75.1	76.4	84.0	85.9	81.6	78.5	84.6	83.2	85.6	76.8	81.0	86.0	84.8	86.0	89.4	95.5
	82.4	81.2	80.3	76.8	75.3	70.7	66.0	59.8								
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	70.4	84.2	88.9	81.7	89.0	91.1	91.5	90.3	84.7	84.2	88.8	90.8	91.5	89.3	93.4	100.6
	86.2	85.2	81.6	79.9	76.2	72.2	67.0	60.8								
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	72.9	82.2	81.8	80.9	83.9	84.8	88.2	85.9	83.2	81.4	86.1	89.0	89.3	86.0	90.9	97.4
	83.7	82.5	78.2	77.0	74.2	71.1										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-307

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 307 ) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A ( DATE 01 OCT 80 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 05 FEB 87 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	95.8	102.1	105.5	108.6	113.9	116.8	120.1	122.7	124.1	120.1	113.8	111.7	113.2	113.0	121.8	129.6
	113.3	112.6	111.7	110.4	108.8	107.8	108.5	108.4	106.0	104.2	103.6	99.0	99.0			
S	75 METERS															
DIST FROM SOURCE:	95.2	101.7	106.0	108.8	114.2	116.8	120.7	124.0	126.0	122.4	116.4	111.1	105.5	102.5	120.2	130.6
	101.4	100.7	103.5	105.1	106.8	107.9	108.6	109.1	105.8	104.1	103.9	99.6	99.6			
Y	75 METERS															
DIST FROM SOURCE:	96.4	102.4	105.0	108.5	113.5	116.8	119.4	120.9	120.4	114.7	106.5	112.2	115.8	115.8	123.0	128.4
	116.2	115.5	114.4	112.7	110.1	107.6	108.5	107.6	106.2	104.2	103.3	98.4	98.3			
A	134 METERS															
DIST FROM SOURCE:	90.7	97.3	101.1	104.0	108.4	112.8	116.0	116.6	113.3	101.4	89.9	99.6	103.4	105.6	116.9	122.8
	107.9	110.2	110.5	107.4	104.8	105.0	103.1	100.3	97.4	95.9	93.0	90.9	87.3			
B	238 METERS															
DIST FROM SOURCE:	84.8	93.0	97.3	100.3	103.8	107.6	108.5	106.1	96.9	85.4	87.6	97.5	102.1	105.0	112.5	116.3
	105.9	105.9	104.2	102.3	102.6	100.5	96.6	95.7	91.5	89.2	85.2	82.9				
C	423 METERS															
DIST FROM SOURCE:	80.9	88.7	92.9	95.3	97.7	99.7	94.0	90.2	83.4	76.5	84.7	94.3	98.7	97.6	106.1	108.8
	94.9	100.0	99.6	97.6	94.6	93.3	90.1	86.9	83.3							
D	753 METERS															
DIST FROM SOURCE:	78.8	87.2	91.5	93.2	94.2	92.3	87.9	81.2	79.1	74.5	79.6	87.9	91.4	92.6	100.3	103.6
	91.0	95.0	95.2	91.8	85.3	81.1	76.6	70.4								
E	1255 METERS															
DIST FROM SOURCE:	77.6	85.3	88.8	88.8	86.2	82.7	87.6	90.2	90.3	83.3	83.3	91.5	91.4	92.6	99.0	102.4
	94.9	93.2	88.1	87.1	88.0	81.2	81.0	77.0	73.7							
F	1757 METERS															
DIST FROM SOURCE:	76.9	83.7	85.0	82.2	82.5	80.0	84.7	86.9	80.8	78.1	80.5	86.1	90.7	87.0	91.9	97.1
	84.7	84.0	79.6	81.4	78.4	73.0	69.8	63.3								
G	2079 METERS															
DIST FROM SOURCE:	75.3	76.0	82.2	86.0	82.5	77.5	86.2	83.7	85.8	80.3	83.8	90.2	90.1	87.6	92.8	97.9
	87.4	85.2	82.6	78.5	76.9	71.8	67.1									
H	2273 METERS															
DIST FROM SOURCE:	68.9	83.9	89.5	83.1	89.8	92.7	92.0	91.6	86.5	89.9	92.2	93.2	93.2	88.6	94.3	101.7
	86.7	85.9	82.3	80.1	77.1	73.5	68.1									
I	2377 METERS															
DIST FROM SOURCE:	72.3	83.0	82.6	81.5	86.4	88.6	92.3	88.0	86.3	83.1	88.0	90.8	91.1	87.8	92.6	99.6
	84.1	84.1	80.6	79.2	76.4	74.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 308 ) ARRAY 04 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 01 OCT 80 ) ) TEST AA-104-308  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIET FROM SOURCE: 75 METERS															
	96.7	102.3	105.4	108.9	113.4	116.8	120.2	122.5	123.8	120.2	114.3	111.5	112.5	112.4	121.9	129.5
	113.0	112.4	112.2	111.8	110.0	107.4	108.0	108.3	105.9	104.3	103.6	98.9	99.1			
S	DIET FROM SOURCE: 75 METERS															
	96.0	101.9	105.9	109.1	113.6	116.7	120.7	123.7	125.7	122.5	116.8	111.4	105.2	101.5	119.4	130.4
	99.9	98.6	101.6	102.9	104.8	105.9	107.2	108.0	104.2	102.9	102.3	98.0	98.1			
T	DIET FROM SOURCE: 75 METERS															
	97.4	102.6	104.9	108.7	113.2	116.9	119.7	120.9	120.4	115.3	107.6	111.5	115.0	115.2	123.5	128.5
	115.9	115.3	115.0	114.5	112.2	108.5	108.6	108.5	107.2	105.3	104.5	99.6	99.9			
A	DIET FROM SOURCE: 134 METERS															
	91.7	97.5	100.8	104.1	107.7	112.6	116.0	116.5	113.3	102.5	88.7	97.5	101.5	103.7	116.0	122.4
	105.9	108.2	109.4	108.0	104.2	102.9	102.8	99.6	96.8	96.0	93.2	91.3	88.7			
B	DIET FROM SOURCE: 238 METERS															
	85.8	93.2	97.1	100.4	103.1	107.3	108.6	107.0	99.1	83.5	86.3	95.6	99.6	102.4	111.9	116.0
	104.6	106.5	105.8	101.4	98.1	98.4	96.3	94.2	92.8	89.2	85.5	83.8				
C	DIET FROM SOURCE: 423 METERS															
	82.0	88.6	92.8	95.9	97.4	99.9	93.3	90.9	84.8	76.9	82.7	92.6	98.3	99.8	106.3	109.0
	98.7	97.5	100.0	98.0	94.8	92.7	90.5	87.1	83.5	82.3						
D	DIET FROM SOURCE: 753 METERS															
	79.5	87.3	91.4	93.7	93.7	92.4	88.8	83.1	82.2	76.7	80.2	87.7	87.7	93.2	100.5	103.7
	95.1	94.4	93.7	90.5	88.7	85.6	81.7	77.0	73.3	70.8						
E	DIET FROM SOURCE: 1255 METERS															
	78.7	85.3	88.5	89.2	86.0	81.6	89.3	90.5	89.9	83.8	82.7	89.6	89.4	90.1	97.8	101.4
	91.0	92.1	89.8	86.9	87.7	82.7	81.4	77.1	73.2							
F	DIET FROM SOURCE: 1757 METERS															
	77.8	83.2	84.4	82.7	82.6	80.5	81.6	83.0	82.1	76.8	76.8	83.8	86.5	83.9	89.2	94.9
	82.8	81.3	77.2	80.2	76.6	71.7	68.2	61.5								
G	DIET FROM SOURCE: 2079 METERS															
	76.0	76.9	82.9	86.1	80.7	83.9	90.3	85.7	84.5	78.1	81.6	87.1	87.9	87.2	90.0	97.0
	82.3	80.0	78.7	76.6	73.9	68.8										
H	DIET FROM SOURCE: 2273 METERS															
	69.4	84.3	88.9	83.1	88.0	90.9	91.0	89.8	82.2	87.7	92.3	93.0	88.1	88.1	94.0	100.7
	85.8	85.9	83.2	80.8	78.3	74.8	71.7									
I	DIET FROM SOURCE: 2377 METERS															
	72.7	82.9	82.5	80.9	84.7	87.7	91.3	88.1	85.1	83.9	89.1	91.9	91.5	88.1	92.5	99.5
	83.6	82.9	79.2	76.3	73.7	70.8										

TABLE: SUMMARY OF (L) NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 309 ) MICROPHONE: ARRAY 03 )  
 SOUND SOURCE: C-133A ( DATE 01 OCT 80 ) )  
 LOCATION 01 MT AGL 1.5 M ( ) )  
 IDENTIFICATION: OMEGA 12.2 )  
 TEST AA-103-309 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	99.1	105.2	109.5	112.1	115.0	119.0	122.1	124.2	125.9	125.6	122.8	119.5	122.2	121.5	127.3	133.5
	119.2	117.4	114.5	113.2	113.7	113.2	113.6	113.8	112.3	110.3	109.7	104.9	105.0			
S	DIST FROM SOURCE: 66 METERS															
	98.0	105.0	109.5	112.3	115.2	119.7	122.7	125.4	127.6	127.0	123.9	119.0	120.1	116.8	126.0	133.8
	109.6	108.4	109.0	111.1	112.5	113.6	114.0	114.6	112.8	110.5	109.9	104.9	104.0			
T	DIST FROM SOURCE: 66 METERS															
	99.4	105.3	109.5	111.8	114.7	119.9	121.3	122.5	123.3	123.3	121.4	119.9	123.7	123.5	128.3	133.1
	122.0	120.1	116.7	114.7	114.6	112.7	113.2	112.7	111.7	110.1	109.4	105.0	105.3			
A	DIST FROM SOURCE: 134 METERS															
	91.5	97.0	101.7	103.3	106.7	111.3	112.6	113.2	111.6	104.4	92.4	96.2	102.5	104.1	115.4	120.6
	105.8	107.3	108.6	107.8	103.3	99.9	102.2	99.1	99.8	98.1	94.7	93.4	90.8			
B	DIST FROM SOURCE: 238 METERS															
	89.5	94.0	99.5	100.5	103.5	107.2	106.9	105.5	99.3	85.4	81.0	87.0	93.7	96.6	109.9	114.6
	100.2	103.5	105.1	101.1	95.2	98.7	92.4	91.1	88.3	85.6	82.4	79.6				
C	DIST FROM SOURCE: 431 METERS															
	82.5	88.1	94.2	95.9	99.0	101.2	97.7	88.2	82.1	70.5	68.1	75.0	83.2	87.0	100.4	106.7
	92.4	95.8	95.4	89.6	85.5	85.3	85.5	79.9	80.6	78.8	74.0					
D	DIST FROM SOURCE: 753 METERS															
	77.3	83.5	90.2	92.4	94.5	95.2	89.9	80.5								
	87.3	90.3	87.4	82.4	77.9	76.2	73.6	70.7								
E	DIST FROM SOURCE: 1255 METERS															
	73.1	78.4	85.0	85.9	85.7	83.9	79.3	68.1								
	76.5	77.7	74.2	70.9	64.8	66.8	61.2	60.1								
F	DIST FROM SOURCE: 1757 METERS															
	67.8	73.7	78.7	79.8	78.5	76.7	73.8	69.6								
	68.5	69.9	69.2	67.2	59.9	54.8										
G	DIST FROM SOURCE: 2087 METERS															
	64.1	69.3	75.4	75.1	75.7	75.5	67.7									
	73.2	73.9	70.6	65.3	56.7	54.5										
I	DIST FROM SOURCE: 2377 METERS															
	63.8	69.0	74.0	73.5	75.3	76.8	69.8									
	74.2	73.8	69.6	66.7	58.1	57.2	55.4									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-310  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A (NUMBER 310 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.5	104.9	109.0	112.1	115.2	119.1	121.9	124.1	125.9	125.3	123.0	119.6	122.4	121.2	127.4	133.4
	119.1	117.2	114.2	113.3	114.0	113.5	113.9	114.2	112.9	110.8	110.6	105.7	105.7			
S	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 66 METERS	99.2	104.8	109.0	112.4	115.5	119.1	122.6	125.4	127.5	126.9	124.2	119.4	120.4	117.0	126.6	133.9
	110.0	109.1	110.6	111.8	113.5	114.5	114.8	115.5	114.0	111.8	111.8	106.8	106.6			
T	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 66 METERS	99.8	105.0	109.0	111.8	114.9	119.2	121.0	122.3	123.2	123.0	121.4	119.9	123.7	123.2	128.1	132.9
	121.8	119.9	116.1	114.3	114.5	112.4	112.8	112.4	111.3	109.6	108.9	104.3	104.6			
B	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 238 METERS	90.1	93.6	98.8	100.4	103.5	106.4	106.4	105.4	99.3	84.9	81.2	87.0	93.8	96.1	109.9	114.4
	99.4	102.9	105.3	103.2	93.8	96.1	91.9	91.0	87.4	86.4	82.6					
A	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 134 METERS	91.8	96.6	101.0	103.4	106.8	110.7	112.6	113.1	111.5	104.1	92.3	96.3	102.7	104.6	116.3	120.8
	106.9	108.8	110.2	109.1	102.6	103.0	101.9	98.0	98.8	96.9	93.9	91.9	89.6			
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 431 METERS	83.1	87.7	93.6	95.8	98.8	100.2	96.8	87.6	82.1	70.9	69.6	75.4	83.1	86.6	101.4	106.5
	91.5	95.2	96.5	93.3	88.4	85.8	86.8	81.5	83.6	80.6	75.7					
D	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 753 METERS	77.8	83.1	89.6	92.4	94.4	94.4	89.3	80.3	68.8	62.1	64.0	71.9	78.2	82.8	95.5	101.3
	88.1	91.7	90.7	83.3	81.0	78.8	76.5	72.6	70.3							
E	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 1255 METERS	73.6	78.2	84.8	86.2	86.0	82.8	77.9	69.5	62.8	56.7	57.3	66.2	73.5	77.8	84.9	92.7
	78.6	80.4	78.3	72.8	70.8	70.2	67.6	64.4	61.3							
F	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 1757 METERS	68.4	73.4	78.6	80.1	79.2	76.2	72.6	67.9	55.5	50.4	50.5	55.9	64.4	68.5	75.9	86.0
	68.8	70.4	68.5	67.8	65.7	55.0										
G	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 2087 METERS	65.2	68.5	75.1	76.3	76.4	75.0	66.9	60.5	53.6	49.6	53.9	62.5	68.5	65.5	75.1	83.2
	67.3	71.2	68.9	64.4	59.6	55.1										
I	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 2377 METERS	65.1	67.5	72.6	74.4	76.0	76.1	69.5	58.7	54.5	55.0	67.7	74.7	76.0	79.7	84.7	
	74.3	75.3	70.7	65.4	59.8	56.2	52.3									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 311 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-311 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	98.7	105.3	109.1	112.0	114.7	119.4	122.0	124.2	126.0	125.5	122.8	119.7	122.6	121.0	127.4	133.5
	119.0	116.7	113.4	112.9	114.0	113.4	113.7	114.2	113.1	111.2	111.0	107.0	106.8			
S	66 METERS															
DIST FROM SOURCE:	98.3	105.3	109.1	112.2	115.0	119.3	122.7	125.4	127.7	127.1	124.0	119.4	120.7	117.0	126.9	134.0
	110.4	109.3	110.7	112.2	113.7	114.7	115.0	115.8	114.7	112.7	112.7	108.8	108.4			
T	66 METERS															
DIST FROM SOURCE:	99.1	105.4	109.2	111.7	114.4	119.4	121.1	122.5	123.4	123.2	121.2	119.9	123.9	123.0	127.8	132.9
	121.7	119.3	115.0	113.5	114.2	111.6	111.9	111.6	110.6	109.0	108.2	103.9	104.1			
A	134 METERS															
DIST FROM SOURCE:	91.1	96.9	101.3	103.2	106.3	110.9	112.6	113.4	111.8	104.6	92.1	95.1	102.6	104.2	116.4	120.9
	107.0	109.0	110.3	108.8	102.3	104.5	102.0	97.5	97.7	96.5	93.0	91.2	89.1			
B	238 METERS															
DIST FROM SOURCE:	88.6	93.9	98.9	100.1	102.8	106.6	106.6	105.8	100.1	85.1	80.9	86.1	92.6	94.5	108.7	114.0
	98.2	100.9	103.0	102.0	96.5	94.9	93.3	90.4	91.0	88.4	84.2	81.5				
C	431 METERS															
DIST FROM SOURCE:	82.0	88.0	93.7	95.6	98.3	100.4	96.8	87.1	82.3	71.4	71.4	77.8	84.7	87.3	101.9	106.6
	92.1	95.6	97.2	94.3	89.3	84.0	85.8	81.8	82.5	79.0	73.6					
D	753 METERS															
DIST FROM SOURCE:	76.5	83.2	89.4	92.1	93.9	94.6	89.7	80.5	68.6	60.8	63.5	73.1	80.3	84.9	96.0	101.5
	90.4	93.2	89.8	81.1	79.2	77.7	73.4	74.1	71.0							
E	1255 METERS															
DIST FROM SOURCE:	72.1	78.5	84.6	85.8	85.4	83.7	79.5	72.5	64.5	59.2	56.3	65.5	72.6	76.0	83.5	92.3
	76.4	77.0	79.2	71.5	71.7	64.0	61.7	59.2								
F	1757 METERS															
DIST FROM SOURCE:	66.8	73.3	78.6	79.8	78.4	76.6	73.5	70.2	58.3	49.6	49.4	57.0	62.9	63.3	75.4	85.8
	66.2	69.1	71.2	66.8	64.3	53.4										
G	2087 METERS															
DIST FROM SOURCE:	63.2	68.4	74.9	76.4	76.0	75.7	68.9	57.8	48.2	53.7	62.1	66.5	66.2	75.0	83.2	
	68.2	71.1	70.2	61.6	54.6	52.2										
I	2377 METERS															
DIST FROM SOURCE:	62.7	67.5	72.5	74.4	75.6	76.5	70.6	60.2	55.3	49.3	51.0	63.5	70.8	72.9	76.5	83.3
	68.8	71.5	70.5	60.3	58.5	48.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( NUMBER 312 ) ARRAY )  
 LOCATION 01 ( DATE 01 OCT 80 ) ) DATE 05 FEB 87 )  
 ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.5	105.3	108.6	112.0	114.8	119.5	123.3	126.0	129.4	132.9	139.2	145.9	152.1	160.8	127.2	133.4
	118.7	116.6	113.4	112.8	114.0	113.2	113.4	114.0	113.0	111.2	111.0	107.1	106.6			
S	DIST FROM SOURCE: 66 METERS															
	99.1	105.1	108.6	112.2	115.1	119.4	123.0	125.5	127.6	126.9	124.0	119.4	120.4	117.0	126.7	134.0
	110.3	109.5	110.9	112.0	113.5	114.2	114.5	115.4	114.5	112.5	112.6	108.9	108.2			
T	DIST FROM SOURCE: 66 METERS															
	99.8	105.4	108.6	111.7	114.5	119.5	121.4	122.5	123.3	123.0	121.2	119.7	123.3	122.8	127.6	132.8
	121.4	119.2	114.9	113.5	114.4	111.6	111.9	111.8	110.7	109.2	108.5	103.9	104.1			
A	DIST FROM SOURCE: 134 METERS															
	91.6	96.9	100.7	103.3	106.4	111.1	113.1	113.5	111.9	104.6	92.4	95.7	102.1	104.1	116.3	121.0
	107.0	109.2	110.3	108.3	103.0	105.3	100.8	97.0	96.2	95.2	91.5	89.7				
B	DIST FROM SOURCE: 238 METERS															
	90.0	93.9	98.3	100.1	102.8	106.7	106.9	105.9	100.2	85.3	81.7	87.2	94.0	96.1	109.5	114.4
	99.2	102.2	104.0	101.3	98.5	95.9	94.1	92.4	91.4	89.4	85.8	83.6				
C	DIST FROM SOURCE: 431 METERS															
	82.8	87.9	93.0	95.5	98.1	100.3	96.9	87.5	82.2	70.9	69.8	76.0	83.6	87.5	102.6	106.9
	93.1	97.7	98.6	93.8	87.3	83.0	84.9	79.3	78.9	76.8	70.9					
D	DIST FROM SOURCE: 753 METERS															
	77.1	83.0	88.7	91.7	93.4	94.5	89.8	80.6	69.0	61.2	61.9	69.5	75.8	81.6	94.5	100.7
	87.7	91.3	89.2	81.5	76.7	75.8	73.6	71.2	66.4	65.4						
E	DIST FROM SOURCE: 1255 METERS															
	73.2	78.3	84.0	85.9	86.0	84.7	80.0	72.1	65.3	56.7	55.7	63.8	70.8	75.1	83.2	92.6
	79.6	78.9	71.0	73.2	70.4	66.7	64.5									
F	DIST FROM SOURCE: 1757 METERS															
	67.3	73.3	77.8	79.8	78.2	77.8	74.5	70.4	60.1	52.0	52.3	58.6	63.3	68.0	73.5	85.7
	65.5	65.4	65.4	66.1	66.2	60.2										
G	DIST FROM SOURCE: 2087 METERS															
	63.8	68.0	73.5	75.9	76.0	75.8	69.3	69.3	64.6	62.3	65.5	74.2	79.0	82.8	88.0	92.8
	69.8	69.4	67.8	64.7	55.0	54.6										
I	DIST FROM SOURCE: 2377 METERS															
	63.7	67.6	71.8	74.3	76.2	77.0	71.4	60.7	55.8	64.4	70.7	74.3	79.0	83.0	88.0	92.8
	72.0	65.4	67.2	57.3	54.2	49.3										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-313  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB	EVENT:	NUMBER 313	ARRAY 03	MICROPHONE:	AL	OASPL								
SOUND SOURCE: C-135A	(	DATE 01 OCT 80	(	(	(DBA)	(DB)								
LOCATION 01 HT AGL 1.5 M	(	(	(	(	(	(								
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														
MICROPHONE LOCATION U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	
DIST FROM SOURCE:	66 METERS													
	99.1	105.6	109.4	112.0	114.8	119.6	121.9	124.6	126.0	129.4	122.7	119.7	122.3	120.8
	118.8	116.6	113.4	112.9	114.0	113.3	113.5	114.0	113.0	111.1	111.1	107.3	106.8	
S	DIST FROM SOURCE: 66 METERS													
	98.8	105.4	109.4	112.2	115.1	119.5	122.6	125.8	127.6	126.9	123.9	119.4	120.5	117.0
	110.3	109.4	111.0	112.2	113.5	114.4	114.6	115.5	114.6	112.5	112.6	109.2	108.4	
T	DIST FROM SOURCE: 66 METERS													
	99.4	105.8	109.5	111.7	114.4	119.6	121.0	122.9	123.4	123.0	121.1	120.0	123.5	122.9
	121.4	119.2	115.0	113.5	114.4	111.8	112.0	111.9	110.7	109.3	108.6	103.9	104.3	
A	DIST FROM SOURCE: 134 METERS													
	91.4	97.3	101.6	103.2	106.5	111.1	112.7	113.7	111.8	104.7	92.4	96.7	103.1	105.2
	108.0	110.1	110.8	108.6	102.9	105.5	101.7	97.7	97.6	96.3	92.8	91.0	88.8	
B	DIST FROM SOURCE: 238 METERS													
	89.6	94.3	99.2	100.0	102.8	106.6	106.4	106.2	100.1	85.3	80.7	87.2	94.2	96.9
	100.5	103.5	105.0	101.5	97.4	93.7	95.1	91.6	90.8	89.2	85.1	82.3		
C	DIST FROM SOURCE: 431 METERS													
	82.4	88.2	93.8	95.4	98.2	100.3	96.8	88.0	82.0	71.0	68.6	74.8	81.9	86.5
	93.3	97.6	98.0	92.8	87.0	82.2	85.8	79.9	79.3	76.5	71.1			
D	DIST FROM SOURCE: 753 METERS													
	76.3	83.1	89.3	91.2	93.1	94.2	89.1	80.2	68.1	60.0	59.6	66.7	74.3	80.5
	87.0	89.8	87.6	79.5	77.8	76.0	74.9	70.0	66.7	64.7				
E	DIST FROM SOURCE: 1255 METERS													
	72.9	78.7	84.8	85.7	86.2	85.4	80.3	73.8	65.6	60.3	55.8	61.3	66.8	70.6
	77.6	81.0	72.5	72.1	68.5	64.7	62.0	59.7						
F	DIST FROM SOURCE: 1757 METERS													
	67.6	73.6	78.2	79.5	78.5	77.9	74.3	71.5	61.5	53.5	49.2	55.6	58.8	64.9
	68.7	66.6	63.7	64.2	61.3	54.3								
G	DIST FROM SOURCE: 2087 METERS													
	63.6	69.0	74.5	75.5	76.0	76.2	70.2	59.2						
	68.8	69.0	64.0	58.8	55.1	51.8								
I	DIST FROM SOURCE: 2377 METERS													
	63.4	68.7	72.4	73.6	75.9	76.9	70.9	62.0						
	73.2	67.5	65.9	58.6	55.3	51.6								



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-314

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M

( EVENT: )  
 ( NUMBER 314 )  
 ( DATE 01 OCT 80 )  
 ( ARRAY D4 )  
 ( DATE 05 FEB 87 )  
 ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	96.6	102.0	105.2	108.1	113.7	116.7	120.0	122.6	123.7	119.9	114.0	111.6	112.9	112.7	121.7	129.4
	112.6	112.0	111.8	111.1	109.9	107.9	108.1	107.4	104.9	103.7	103.6	98.7	98.7			
S	DIST FROM SOURCE: 75 METERS															
	95.8	101.7	105.6	108.4	114.0	116.7	120.6	123.8	125.7	122.3	116.6	111.0	105.3	101.7	119.8	130.3
	99.9	99.2	102.4	104.8	106.9	107.8	108.3	107.7	103.3	103.2	103.8	99.0	98.9			
T	DIST FROM SOURCE: 75 METERS															
	97.3	102.2	104.6	107.8	113.4	116.8	119.4	120.8	120.1	114.7	107.1	112.1	115.5	115.5	123.0	128.3
	115.5	114.9	114.6	113.6	111.7	108.1	107.9	107.1	106.0	104.2	103.3	98.3	98.5			
A	DIST FROM SOURCE: 134 METERS															
	91.5	97.2	100.7	103.3	108.0	112.4	115.6	116.3	113.6	102.8	89.7	98.5	101.9	103.8	115.8	122.2
	105.1	107.7	109.3	107.7	101.9	104.8	102.8	99.4	97.2	96.2	92.4	90.4	87.3			
B	DIST FROM SOURCE: 238 METERS															
	84.8	92.1	96.3	99.1	102.9	106.8	107.8	103.3	95.6	82.2	85.1	95.1	99.4	102.3	112.1	115.6
	104.0	106.3	106.3	102.4	99.6	98.5	97.8	95.2								
C	DIST FROM SOURCE: 423 METERS															
	80.0	86.6	90.7	93.1	96.4	99.1	94.4	88.0	79.4	69.7	75.0	84.3	90.3	94.5	101.8	105.9
	96.4	95.5	95.5	93.3	87.2	86.4	83.7	80.1								
D	DIST FROM SOURCE: 753 METERS															
	77.4	84.2	88.0	89.8	92.4	93.5	88.9	79.6	74.8	67.6	67.3	74.3	79.6	81.7	93.1	99.5
	82.9	82.9	88.1	86.4	84.4	75.9	75.0	69.4	64.4	64.9						
E	DIST FROM SOURCE: 1255 METERS															
	79.2	85.6	89.4	90.7	92.1	91.7	87.2	86.8	88.0	81.2	80.6	86.4	85.6	84.7	93.2	100.1
	85.4	86.4	86.5	83.5	81.7	77.4	76.4	71.8								
F	DIST FROM SOURCE: 1757 METERS															
	76.4	80.9	80.6	78.6	85.3	86.0	86.1	87.9	85.7	79.6	82.8	87.4	87.9	88.5	92.2	97.6
	87.6	82.4	82.8	79.4	77.1	74.0	70.8	66.1	59.8							
G	DIST FROM SOURCE: 2079 METERS															
	67.7	77.6	83.8	79.7	84.1	83.6	85.2	85.1	78.2	72.0	75.5	82.4	85.1	85.4	88.4	94.7
	81.1	82.1	78.8	75.5	70.7	69.0	64.5									
H	DIST FROM SOURCE: 2273 METERS															
	75.8	83.2	81.1	82.9	82.6	85.9	83.0	78.6	76.7	73.8	78.9	86.3	88.4	86.1	89.8	95.6
	83.5	82.4	78.9	74.5	71.6	68.2	62.5									
I	DIST FROM SOURCE: 2377 METERS															
	75.1	78.2	79.7	82.6	84.1	85.3	86.0	83.7	77.8	75.6	79.2	83.2	84.6	82.1	87.0	94.4
	79.2	80.2	76.8	74.7	72.1	69.4										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-315  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 315 ) ARRAY 04  
 LOCATION 02 HT AGL 1.5 M ( DATE 01 OCT 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	97.2	102.2	106.1	108.6	114.1	117.0	120.2	122.7	124.1	120.3	114.5	112.2	114.0	114.1	122.6	129.8
	114.3	113.3	112.4	111.4	110.3	109.0	109.6	109.2	106.6	105.0	104.3					
S	DIST FROM SOURCE: 75 METERS															
	96.5	101.8	106.6	108.8	114.4	116.9	120.7	123.9	126.0	122.6	117.0	111.5	106.3	103.1	120.4	130.6
	101.5	100.2	103.1	105.3	107.1	108.1	109.3	109.6	105.1	104.1	103.5					
T	DIST FROM SOURCE: 75 METERS															
	97.7	102.5	105.5	108.3	113.8	117.1	119.6	120.9	120.5	115.0	107.4	112.9	116.6	116.9	124.1	128.9
	117.2	116.2	115.1	113.8	112.2	109.8	109.9	108.7	107.7	105.7	104.9	100.1	100.4			
A	DIST FROM SOURCE: 134 METERS															
	91.9	97.2	101.6	103.6	108.3	112.6	115.5	116.2	113.9	103.3	89.6	98.6	102.2	104.3	116.6	122.5
	105.5	107.4	108.5	109.1	107.8	104.4	102.3	101.9	99.0	98.9	95.8	94.1	91.0			
B	DIST FROM SOURCE: 238 METERS															
	85.6	92.4	97.1	99.2	103.3	107.0	107.8	105.6	97.8	81.8	85.2	95.3	99.4	102.4	112.6	116.0
	104.3	106.6	106.7	103.1	100.8	100.1	97.0	96.2	92.1	90.1	86.6	83.9				
C	DIST FROM SOURCE: 423 METERS															
	81.5	87.7	92.6	94.0	97.1	99.6	94.9	88.8	80.3	68.8	75.7	85.9	91.7	95.4	103.6	107.1
	97.6	97.8	97.2	95.5	87.8	90.1	85.7	81.0								
D	DIST FROM SOURCE: 753 METERS															
	80.5	86.3	91.2	92.2	94.5	94.8	88.3	80.4	78.2	70.2	70.0	76.3	81.4	84.8	94.7	101.3
	86.9	86.5	90.1	87.9	79.6	78.6	76.4	68.9	68.9							
E	DIST FROM SOURCE: 1255 METERS															
	80.1	86.3	91.1	91.3	92.4	89.9	88.1	91.6	91.6	84.6	81.8	86.1	88.3	89.8	95.9	101.8
	89.8	89.6	88.0	83.3	83.8	81.7	78.4	76.4	71.9							
F	DIST FROM SOURCE: 1757 METERS															
	76.8	80.0	79.8	82.5	85.1	81.2	88.7	90.6	85.8	80.7	85.8	89.2	93.5	91.4	94.5	99.6
	88.6	85.0	84.2	80.3	79.2	76.1	72.1	67.6								
G	DIST FROM SOURCE: 2079 METERS															
	69.9	80.3	86.1	82.0	87.1	82.2	86.0	81.6	81.1	75.0	75.8	80.6	82.8	81.7	87.0	94.7
	81.5	79.9	79.3	74.3	70.8	67.2	62.0									
H	DIST FROM SOURCE: 2273 METERS															
	77.3	83.7	82.4	85.1	85.5	87.1	84.4	81.8	79.8	76.4	80.1	84.7	86.9	84.2	89.1	95.9
	83.5	81.9	79.3	74.8	71.6	68.1										
I	DIST FROM SOURCE: 2377 METERS															
	75.5	78.3	81.6	83.2	86.7	85.5	84.5	84.2	80.0	75.7	80.5	83.9	85.6	82.7	87.9	95.1
	81.6	80.9	77.7	74.4	71.4	68.9										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-316

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 316 ) ARRAY 04 )  
 LOCATION D2 HT AGL 1.5 M ( DATE 01 OCT 80 ) )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
----- 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) -----																
U	DIST FROM SOURCE: 75 METERS															
	96.8	101.5	104.7	108.3	113.5	116.7	119.8	122.3	123.7	120.3	114.2	110.7	110.9	110.8	121.3	129.2
	111.5	111.2	111.4	111.6	110.2	107.3	107.2	107.6	105.0	103.3	102.6					
S	DIST FROM SOURCE: 75 METERS															
	96.1	101.4	105.2	108.5	113.8	116.5	120.3	123.5	125.5	122.5	116.7	110.9	104.2	99.7	119.2	130.2
	97.6	96.5	99.7	101.8	104.1	105.8	107.2	107.9	103.9	102.5	102.0	97.8	97.6			
T	DIST FROM SOURCE: 75 METERS															
	97.3	101.6	104.1	108.0	113.2	116.8	119.3	120.8	120.4	115.7	108.1	110.5	113.4	113.6	122.7	128.1
	114.4	114.1	114.3	114.3	112.6	108.5	107.2	107.2	105.9	104.0	103.1					
A	DIST FROM SOURCE: 134 METERS															
	91.9	96.6	100.3	103.9	108.2	112.7	115.7	116.5	114.1	103.9	89.4	97.4	100.4	101.1	114.1	122.1
	102.9	105.1	106.8	107.0	103.8	99.4	99.7	98.6	95.2	94.2	91.1	89.1	85.6			
B	DIST FROM SOURCE: 238 METERS															
	85.6	91.9	96.1	99.7	103.4	107.3	108.4	106.2	98.0	82.4	85.6	95.9	99.8	102.1	113.3	116.4
	104.4	106.9	107.7	104.0	100.0	101.3	98.8	97.2	94.2	92.6	88.8	86.4	83.8			
C	DIST FROM SOURCE: 423 METERS															
	80.6	86.5	90.5	93.7	96.6	99.4	94.7	88.3	80.4	69.6	74.5	83.6	90.1	94.2	102.3	106.3
	97.2	97.5	95.3	91.3	87.3	88.6	85.8	81.3								
D	DIST FROM SOURCE: 753 METERS															
	80.0	85.4	89.3	91.7	93.7	94.7	88.2	78.1	75.9	69.6	70.5	76.4	80.4	83.1	93.2	100.5
	85.6	84.3	89.0	85.8	79.1	77.2	74.2	69.1	67.2							
E	DIST FROM SOURCE: 1253 METERS															
	79.8	86.0	90.4	92.3	92.7	90.4	90.4	93.1	92.1	85.5	83.9	91.2	95.3	96.6	100.7	104.7
	95.3	93.5	91.8	86.3	88.9	84.5	83.1	79.8	75.7	74.1						
F	DIST FROM SOURCE: 1757 METERS															
	76.4	79.1	78.3	83.1	84.4	79.9	89.5	91.6	86.3	79.3	84.5	90.5	90.5	89.2	94.1	99.4
	88.1	86.9	84.6	80.0	79.3	75.4	72.4	68.2								
G	DIST FROM SOURCE: 2079 METERS															
	70.3	80.6	85.0	81.8	87.4	82.9	90.3	86.6	83.5	78.5	80.9	86.3	87.2	85.2	89.3	97.0
	80.2	81.2	79.7	75.9	73.2	70.2	67.1									
H	DIST FROM SOURCE: 2273 METERS															
	77.4	82.8	81.0	87.0	85.9	89.3	87.6	83.8	81.7	79.2	83.5	88.6	91.3	89.2	92.9	98.6
	86.1	84.9	82.8	77.6	75.9	73.2	69.4									
I	DIST FROM SOURCE: 2377 METERS															
	75.3	77.0	81.8	83.3	86.7	86.3	87.1	85.8	82.1	79.5	82.5	85.6	87.3	87.5	90.4	96.8
	84.7	82.0	79.8	76.8	74.2	71.8										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-317  
 DATE 05 FEB 87  
 PAGE 71

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 317) MICROPHONE: ARRAY D4  
 SOUND SOURCE: C-135A (DATE 01 OCT 80)  
 LOCATION 02 MT AGL 1.5 M (

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	600	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC															
	96.7	101.7	105.1	108.5	113.7	116.6	120.0	123.1	123.5	123.4	111.4	111.9	111.8		121.8	129.3
	112.4	112.2	112.1	110.8	107.5	107.1	107.6	105.1	104.1	104.1	99.4	99.1				
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC															
	95.9	101.5	105.5	108.7	113.9	116.4	120.4	123.2	125.2	122.2	116.8	111.6	105.5	101.0	118.8	130.0
	99.0	97.3	99.9	101.0	102.6	103.9	105.2	106.7	104.7	102.1	103.5	99.1	98.2			
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC															
	97.3	101.9	104.6	108.4	113.4	116.7	119.5	120.7	120.4	115.7	108.3	111.1	114.3	114.6	123.6	128.4
	115.3	115.1	114.9	113.5	109.4	108.4	108.3	107.2	105.5	104.6	99.7	99.9				
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC															
	91.7	96.8	100.9	103.8	108.2	112.5	115.6	118.3	114.0	104.0	89.3	96.3	99.8	102.2	115.2	122.2
	104.4	106.8	108.0	107.2	104.5	102.2	101.8	99.6	97.8	97.1	94.6	93.0	90.2			
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC															
	85.5	92.1	96.4	99.6	103.1	107.0	106.1	106.2	98.5	92.1	82.6	92.6	97.5	100.4	112.2	115.8
	103.1	106.2	107.0	102.4	100.3	98.0	97.8	95.0	92.7	90.7	87.4	85.0	82.9			
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 27 SEC															
	80.5	86.8	91.2	94.1	96.9	99.7	94.9	86.1	79.9	68.2	71.9	79.9	85.3	89.2	99.5	105.2
	93.3	95.9	93.7	84.5	85.3	85.2	80.8									
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 26 SEC															
	80.1	85.9	90.2	92.5	94.3	94.2	86.5	78.6	76.7	68.2	70.0	75.9	80.6	85.3	95.2	101.2
	89.2	90.3	87.9	87.9	79.0	79.5	77.5	73.4	70.6							
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC															
	79.0	85.6	90.0	91.4	91.2	86.0	88.0	91.7	91.6	85.7	84.5	91.7	94.9	96.5	100.6	104.4
	96.9	93.8	88.2	86.1	88.3	83.2	82.6	79.1	74.7	72.6						
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC															
	76.7	79.9	80.4	85.9	86.3	79.6	87.7	90.2	86.9	77.6	83.1	88.5	88.0	85.6	92.7	98.2
	86.4	86.0	84.6	80.4	80.1	76.0	72.5	65.8								
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 31 SEC															
	69.2	79.8	85.4	82.3	85.7	83.2	86.2	83.4	81.2	77.1	80.2	85.5	86.9	86.7	90.6	96.3
	86.1	82.1	81.5	77.8	73.2	69.0	64.6									
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 31 SEC															
	76.5	83.6	81.7	85.5	85.0	88.3	88.7	87.9	84.5	80.9	84.8	89.7	91.5	91.4	94.0	99.5
	88.3	85.8	82.9	77.5	75.4	72.8	65.4									
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC															
	75.3	78.6	79.3	84.0	84.9	85.6	89.3	87.1	85.6	82.3	86.7	89.6	89.7	86.7	91.1	98.0
	82.6	80.9	80.2	76.4	74.4	72.5	70.4									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-318

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 318 ) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A ( DATE 01 OCT 80 )  
 LOCATION 02 HT AGL 1.5 M ( ) DATE 05 FEB 87  
 ( ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 34 SEC															
	96.5	101.0	105.6	113.5	116.8	120.1	122.4	123.8	120.4	114.5	111.4	112.1	111.9		121.9	129.5
	112.5	112.1	112.2	112.1	110.6	107.5	107.2	107.8	106.0	103.9	103.7	98.0	98.9			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	95.9	101.6	106.1	108.8	113.8	116.7	120.5	123.6	129.6	122.6	117.0	111.7	105.7	101.4	119.2	130.3
	99.0	97.5	100.3	101.7	103.5	104.8	106.2	107.7	104.9	102.4	103.3	98.2	98.2			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	97.1	101.9	105.1	108.4	113.2	116.9	119.6	121.0	120.5	115.9	108.4	111.1	114.6	114.7	123.5	128.5
	115.4	115.1	115.0	114.9	113.2	109.1	108.0	107.9	106.8	105.0	104.0	99.2	99.4			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	91.7	97.1	101.2	104.1	107.9	112.6	115.7	116.5	114.2	104.4	90.1	96.1	98.7	100.2	115.2	122.3
	102.5	105.8	107.9	108.0	105.2	103.2	102.2	99.5	97.0	95.3	92.3	90.6	87.5			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	85.8	92.7	97.5	100.4	103.8	108.1	109.4	107.8	101.2	85.8	84.0	92.1	95.7	97.6	110.0	115.6
	99.1	100.7	103.0	103.3	100.5	96.5	96.4	94.7	91.0	90.0	86.3	84.0				
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	81.3	87.8	92.3	94.6	97.2	100.3	95.7	87.8	82.1	71.9	75.7	84.7	90.0	93.2	103.5	107.1
	95.9	98.3	98.5	89.4	90.2	91.9	86.1	85.5	82.4							
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 28 SEC															
	79.9	86.8	91.5	93.6	94.9	95.7	89.3	81.8	78.9	71.6	71.6	78.3	80.8	83.5	93.8	101.7
	86.3	88.7	87.8	84.6	80.3	77.1	78.3	72.4	70.4	67.0						
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	79.6	86.1	90.7	91.9	91.3	84.9	90.1	93.7	93.0	86.6	84.8	91.5	94.7	96.6	100.8	104.8
	97.0	94.2	86.5	88.4	88.6	83.5	83.9	80.2	75.6	74.5						
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	77.8	82.1	82.5	85.2	86.9	83.5	83.2	88.0	88.6	78.6	82.3	85.8	89.8	88.4	93.2	98.3
	88.4	86.3	82.3	79.6	80.7	75.2	72.2	65.0								
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	71.9	79.5	86.2	84.1	85.9	85.9	85.3	86.3	77.7	75.0	75.0	80.4	83.4	83.0	88.3	95.5
	82.6	82.4	79.9	77.8	73.0	68.6	63.5									
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	74.2	83.8	85.3	82.9	86.3	85.4	84.8	85.5	82.4	77.2	81.0	85.3	87.7	88.0	92.5	97.4
	87.2	87.0	84.0	77.5	75.5	73.2	66.8									
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	74.2	80.1	76.9	83.6	82.5	84.3	87.0	84.0	83.5	78.0	80.8	85.9	88.0	86.1	90.7	96.3
	85.3	83.8	80.5	76.6	74.8	72.0	68.6									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 319 ) ARRAY 03 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 80 ) ) TEST AA-109-319  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	98.9	105.2	109.0	112.1	114.7	119.5	122.3	124.6	126.4	129.7	122.2	120.3	123.0	120.8	127.3	133.7
	119.5	117.6	114.8	113.2	113.2	112.1	112.6	113.1	112.5	110.5	110.2	107.5	107.1			
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC															
	98.6	105.2	108.9	112.4	115.0	119.5	123.0	125.9	128.0	127.2	123.2	119.7	121.0	116.7	125.8	134.0
	111.0	109.2	109.7	110.2	111.1	111.6	111.9	113.2	113.2	110.8	110.8	109.1	108.4			
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC															
	99.2	105.2	109.1	111.9	114.4	119.5	121.5	123.0	123.9	123.5	120.8	120.9	124.3	122.9	128.5	133.3
	122.2	120.3	117.1	115.0	114.6	112.6	113.1	112.9	111.7	110.2	109.5	105.0	105.4			
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 36 SEC															
	91.3	96.8	100.8	103.2	106.1	111.0	113.1	113.9	112.9	107.0	96.8	97.5	102.9	104.0	117.5	121.6
	106.1	107.6	109.2	109.8	108.9	107.6	101.9	100.8	101.7	100.2	96.4	95.1	92.5			
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC															
	89.1	93.6	98.3	100.0	102.5	106.7	107.1	106.9	102.8	90.2	83.5	88.2	94.2	96.3	112.1	115.5
	99.0	101.6	104.1	105.1	104.4	102.7	97.4	93.9	93.1	92.9	89.2	86.6	84.6			
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC															
	81.8	87.5	92.9	94.9	97.3	100.2	97.5	90.1	85.2	76.1	70.4	76.0	82.0	84.9	103.2	106.8
	89.0	92.2	95.1	96.9	96.4	93.0	88.6	82.9	83.7	80.5	76.2					
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC															
	75.4	82.1	88.1	90.7	92.6	94.9	90.9	82.5	72.3	64.3	53.2	71.1	75.0	78.5	98.9	102.0
	83.6	89.0	93.1	94.5	90.0	82.7	79.2	73.3	72.8							
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC															
	69.8	73.9	80.7	83.4	84.6	84.6	79.3	69.4	62.4							
	83.4	87.2	86.1	85.6	73.0	66.1	68.5	63.2								
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC															
	66.8	68.6	72.2	75.5	76.1	76.8	73.2	69.9	59.0	50.7						
	67.9	69.2	71.7	70.3	64.8	56.7										
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 36 SEC															
	64.0	64.5	69.1	72.0	74.1											
	58.5	60.6	63.0	61.8	55.6	52.1										
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC															
	63.2	65.1	64.1	64.7	72.3	75.0	70.1									
	63.3	66.6	65.8	59.6	54.5	48.2										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-103-320  
 DATE 05 FEB 67  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 320 ) ARRAY 03 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 01 OCT 68 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.0	104.9	108.7	111.7	114.5	119.3	122.1	124.6	126.2	125.6	122.2	120.2	123.0	120.9	127.4	133.6
	119.7	118.1	115.2	113.5	113.0	112.0	112.5	113.0	112.5	110.5	110.1	107.3	107.2			
S	DIST FROM SOURCE: 66 METERS															
	98.7	104.8	108.7	111.9	114.9	119.3	122.8	125.8	127.8	127.0	123.2	119.4	120.9	116.7	125.6	133.9
	110.9	109.1	109.5	110.0	110.8	111.2	111.6	113.0	113.1	110.6	110.6	108.8	108.4			
T	DIST FROM SOURCE: 66 METERS															
	99.3	105.1	108.7	111.3	114.2	119.3	121.3	123.0	123.8	123.5	120.9	120.8	124.4	123.0	128.7	133.4
	122.4	120.8	117.6	115.4	114.5	112.7	113.2	113.1	111.8	110.4	109.7	105.1	105.5			
A	DIST FROM SOURCE: 134 METERS															
	91.3	96.4	100.6	102.7	105.9	110.7	112.9	113.9	112.7	106.9	97.0	97.9	102.4	103.4	117.4	121.4
	105.5	107.1	108.8	109.5	108.8	108.3	102.8	100.1	101.6	100.7	96.8	95.4	92.9			
B	DIST FROM SOURCE: 238 METERS															
	89.1	93.2	98.1	99.5	102.2	106.5	107.0	107.0	102.7	90.5	84.1	89.1	94.4	96.0	112.1	115.4
	98.5	100.9	103.4	104.6	104.4	103.6	99.1	95.3	93.4	92.8	90.9	87.6	84.7			
C	DIST FROM SOURCE: 431 METERS															
	81.8	86.9	92.6	94.5	97.0	100.0	97.3	90.1	84.7	76.5	71.3	77.5	83.2	85.4	104.1	106.9
	89.4	92.4	95.1	97.3	97.4	95.1	90.4	83.9	84.5	82.7	77.9	76.4				
D	DIST FROM SOURCE: 753 METERS															
	75.3	81.6	87.2	90.3	92.0	94.2	90.4	82.4	70.4							
	82.9	88.5	92.6	94.9	91.9	85.7	81.9	74.3	72.0							
E	DIST FROM SOURCE: 1255 METERS															
	69.8	73.4	79.8	82.1	83.9	84.5	79.4	70.8	63.5							
	80.6	85.2	84.3	84.5	74.4	65.1										
F	DIST FROM SOURCE: 1757 METERS															
	66.6	67.9	71.1	74.5	75.0	76.0	72.3	70.1	57.4							
	72.7	76.5	75.0	75.1	70.5	61.9	59.0	56.6								
G	DIST FROM SOURCE: 2087 METERS															
	64.5	65.0	66.4	71.5	74.0	68.1	60.0									
	59.4	61.5	64.0	63.5	60.4	56.3										
I	DIST FROM SOURCE: 2377 METERS															
	62.9	66.1	66.4	61.1	70.9	75.1	69.8	58.8								
	62.7	68.4	66.1	61.9	58.1	52.5	55.4	55.3	61.2	62.8						

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-103-321

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-133A  
 LOCATION 01 HT AGL 1.5 M ( )  
 ( )  
 ( )  
 ( )

EVENT: NUMBER 321  
 DATE 01 OCT 80  
 ( )  
 ( )  
 ( )

MICROPHONE:  
 ) ARRAY 03  
 )  
 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OMSPPL (DB)
U	1-3 OMSPPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
99.0 105.0 108.8 112.0 115.2 119.5 122.0 124.6 126.3 125.3 122.2 120.0 123.0 120.7 127.3																127.3
119.5 118.1 115.3 113.4 112.9 111.9 112.3 112.9 112.4 110.3 110.1 107.4 107.0																
S	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 66 METERS	98.7	105.0	108.8	112.3	115.5	119.4	122.7	125.8	127.9	126.7	123.2	119.3	120.8	116.4		
110.6 108.9 109.4 110.0 110.6 111.1 111.5 112.9 113.0 110.5 110.6 109.0 108.2																125.5
133.8																
T	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 66 METERS	99.2	105.0	108.7	111.7	114.8	119.6	121.2	123.0	123.9	123.2	120.9	120.7	124.4	122.9		
122.2 120.8 117.7 115.3 114.4 112.6 113.0 111.7 110.1 109.5 104.9 105.4																120.6
133.3																
A	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 134 METERS	91.2	96.4	100.6	103.1	106.4	110.8	112.9	113.7	112.8	106.7	97.4	96.9	102.1	102.9		
104.8 106.4 107.9 109.0 108.6 108.6 104.1 100.0 100.9 100.8 96.8 95.1 93.0																117.1
121.2																
B	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 238 METERS	89.0	93.3	98.1	100.0	102.9	106.6	106.8	106.9	102.7	90.4	83.8	88.7	93.9	95.5		
97.9 100.4 102.8 104.1 104.1 103.7 99.7 96.1 94.1 92.4 90.6 87.5 84.7																111.9
115.3																
C	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 431 METERS	81.7	86.8	92.3	94.9	97.6	100.0	97.1	90.0	84.9	75.6	70.3	75.7	81.6	84.1		
87.8 91.2 94.5 97.3 98.0 95.6 89.7 83.5 84.0 81.5 76.2 74.7																104.1
107.0																
D	OVERALL SAMPLE DURATION: 25 SEC															
DIST FROM SOURCE: 753 METERS	74.3	81.2	87.7	90.4	92.7	94.3	90.4	83.0	70.9	61.5	61.7	69.2	73.4	77.0		
82.4 88.1 92.3 94.9 92.9 86.6 82.3 75.6 72.4																99.7
102.1																
E	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 1255 METERS	69.4	73.0	79.0	82.0	84.4	84.6	79.4	70.6	64.1	59.4	60.3	65.0	69.1	82.0		
76.4 82.3 82.7 82.9 75.2 67.0																88.0
92.0																
F	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 1757 METERS	66.9	68.2	70.1	72.1	74.4	75.0	71.4	63.6	58.2	56.4	62.7	68.1	79.8	89.3		
70.4 68.6 72.2 74.8 72.8 61.2																77.1
89.3																
G	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 2087 METERS	63.1	64.7	65.5	63.6	70.0	73.0	67.9	59.2	54.2	54.9	55.0	66.6	77.1			
58.0 61.5 61.1 58.7 54.5 52.0																77.1
89.3																
I	OVERALL SAMPLE DURATION: 32 SEC															
DIST FROM SOURCE: 2377 METERS	63.0	65.7	68.5	60.9	69.7	74.6	69.9	58.5	52.8	60.4	63.5	73.5	79.5			
65.4 70.5 67.2 63.6 58.1 52.6																79.5



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-109-322

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 322  
 DATE 01 OCT 80  
 MICROPHONE: ARRAY 03

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OMSPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 66 METERS	98.7	105.0	108.9	112.0	115.2	119.5	122.1	124.7	126.5	125.5	122.2	120.3	123.0	121.1	127.5	133.7
		119.7	118.2	115.4	113.7	113.1	112.1	112.4	113.1	112.5	110.5	110.1	107.4	107.1			
S	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 66 METERS	98.3	104.9	108.9	112.3	115.4	119.5	122.8	125.9	128.1	126.9	123.2	119.6	120.8	116.8	125.6	134.0
		110.8	108.9	109.3	109.9	110.6	111.1	111.4	112.9	113.0	110.6	110.4	108.8	108.2			
T	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 66 METERS	99.0	105.0	108.9	111.8	114.8	119.6	121.4	123.1	124.1	123.4	121.0	120.9	124.5	123.2	128.8	133.5
		122.4	120.9	117.8	115.7	114.6	112.8	113.2	113.2	112.0	110.5	109.8	105.3	105.7			
A	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 134 METERS	90.8	96.4	100.7	103.1	106.5	110.8	112.7	113.8	113.1	107.1	97.7	97.0	102.1	103.1	117.2	121.4
		105.0	106.3	107.9	108.8	108.6	108.7	105.0	101.1	100.4	101.2	97.4	95.6	93.5			
B	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 238 METERS	88.5	93.1	98.1	99.8	102.7	106.4	106.9	107.0	103.3	91.5	83.7	87.1	92.2	93.7	110.6	114.8
		96.3	98.4	100.5	101.7	102.0	102.3	100.1	97.5	95.5	93.3	90.1	87.9	85.4			
C	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 431 METERS	81.3	86.9	92.3	94.6	97.6	99.7	97.4	90.5	85.0	76.7	70.4	74.8	79.5	80.6	102.1	106.1
		84.3	87.4	90.5	93.3	95.3	95.2	92.6	84.7	81.8	80.8	75.8					
D	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 753 METERS	72.7	79.9	86.8	89.6	91.7	93.5	89.8	82.2	72.1	61.9	60.6	65.0	69.0	71.2	94.1	99.3
		74.8	78.4	83.2	87.4	89.0	85.9	77.5	72.1	64.8	64.5						
E	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 1255 METERS	69.2	72.4	78.5	81.6	84.1	84.4	79.2	70.7	66.1	57.7	59.0	62.4	64.2	90.1		
		67.8	73.3	77.5	74.5	74.2	66.2										
F	OVERALL SAMPLE DURATION: 33 SEC																
	DIST FROM SOURCE: 1757 METERS	65.9	68.2	70.6	71.4	72.3	74.0	71.7	68.4	57.7	54.3	56.0	54.5	57.7	60.2	74.6	81.0
		63.2	65.0	67.3	67.4	69.1	61.6										
G	OVERALL SAMPLE DURATION: 32 SEC																
	DIST FROM SOURCE: 2087 METERS	62.9	65.4	67.3	64.7	67.8	71.0	67.4	66.1	55.2	53.6	54.3	75.5				
		52.9	55.1	57.8													
I	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 2377 METERS	63.3	66.8	69.5	63.8	66.0	71.9	68.1	58.8	56.0	53.5	56.7	60.5	72.8			
		62.6	64.2	69.6	65.1	61.2	54.7										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 323 ) ARRAY 03 ) OMEGA 12.2 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 01 OCT 80 ) ) TEST AA-103-323 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6200	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.8	104.9	108.9	111.9	115.0	119.2	122.2	124.5	126.3	125.3	122.1	120.2	123.0	121.0	127.4	133.6
	119.8	118.1	115.5	113.7	113.0	111.9	112.3	112.8	112.4	110.4	109.9	107.3	107.0			
S	DIST FROM SOURCE: 66 METERS															
	98.5	104.8	108.9	112.2	115.3	119.2	122.9	125.7	127.8	126.7	123.1	119.5	120.8	116.7	125.4	133.8
	110.8	108.8	109.2	109.6	110.4	110.9	111.1	112.5	112.7	110.3	110.1	108.7	108.1			
T	DIST FROM SOURCE: 66 METERS															
	99.1	105.0	108.9	111.5	114.7	119.2	121.4	122.9	123.9	123.3	120.9	120.9	124.4	123.2	128.8	133.4
	122.5	120.8	118.0	115.8	114.6	112.8	113.3	113.1	112.1	110.5	109.7	105.2	105.6			
A	DIST FROM SOURCE: 134 METERS															
	90.7	96.2	100.6	103.0	106.2	110.5	112.8	113.7	112.8	106.8	97.4	97.2	102.4	103.4	117.3	121.3
	105.5	106.9	108.4	109.3	108.7	108.4	103.8	100.2	101.3	100.8	96.8	95.4	93.1			
B	DIST FROM SOURCE: 238 METERS															
	88.3	92.4	97.5	99.1	101.8	105.6	106.1	102.6	91.1	82.8	85.4	90.2	92.0		109.5	113.9
	94.6	97.0	99.1	100.6	101.1	101.6	99.1	96.2	94.2	92.1	88.5	86.1	83.9			
C	DIST FROM SOURCE: 431 METERS															
	81.2	86.5	92.2	94.1	96.8	99.2	97.6	91.4	82.6	75.1	67.3	71.8	76.2	77.0	96.2	104.6
	79.9	82.5	84.8	86.9	88.0	88.0	87.3	83.8	79.7	78.3	72.4					
D	DIST FROM SOURCE: 753 METERS															
	73.2	79.2	86.1	89.5	91.5	93.1	90.0	81.8	68.9	59.9	59.2	63.5	66.8	68.0	88.8	98.2
	71.1	74.2	78.2	81.6	83.0	81.1	74.2	66.2	64.4	63.9						
E	DIST FROM SOURCE: 1255 METERS															
	69.8	73.6	77.7	78.9	81.3	82.9	78.9	70.6	62.5	55.8	56.1	58.0	60.4	60.5	77.6	88.1
	62.4	66.9	72.2	72.4	68.0	64.8	57.6									
F	DIST FROM SOURCE: 1757 METERS															
	66.7	70.2	72.7	71.2	70.6	71.5	70.1	68.0	58.9	51.1	53.9	57.0	58.4		71.6	80.1
	61.7	64.1	62.7	63.8	65.5	59.0	59.7									
G	DIST FROM SOURCE: 2087 METERS															
	62.7	67.6	70.7	67.6	63.7	60.0	65.9								64.3	76.1
	54.6	55.1	57.5	58.7	55.2	52.9										
I	DIST FROM SOURCE: 2377 METERS															
	62.8	68.1	71.7	68.6	68.0	65.7									70.4	77.1
	56.9	62.8	65.5	65.5	58.5	53.0										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AR-104-324  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 324 ) MICROPHONE: 04  
 SOUND SOURCE: C-135A ( DATE 01 OCT 80 ) ARRAY  
 LOCATION 02 HT AGL 1.5 M ( )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)						
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	121.9	129.9		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 97.5 102.9 106.1 109.6 114.1 117.2 120.4 122.9 124.2 121.0 114.8 111.7 112.5 112.3 112.7 112.4 112.3 111.9 109.9 106.5 106.9 107.8 106.4 104.1 104.3 100.1 99.3																	
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 96.9 102.7 106.6 109.8 114.4 117.0 121.0 124.1 126.0 123.2 117.2 112.0 106.3 102.2 99.8 98.0 100.4 101.2 102.9 104.0 105.3 107.2 105.8 102.9 104.3 100.7 99.0													119.5	130.7			
	T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 98.0 103.0 105.6 109.3 113.8 117.4 119.8 121.3 120.9 116.6 108.9 111.4 114.9 115.0 115.6 115.3 115.1 114.7 112.5 108.0 108.1 108.3 107.0 105.1 104.2 99.4 99.7														123.5	128.8	
		A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 91.8 97.6 101.4 104.4 107.7 112.4 115.2 116.2 114.5 105.9 91.9 95.4 98.4 99.6 101.5 103.7 105.4 106.4 106.5 105.5 103.8 100.1 97.1 97.5 94.5 92.5 89.2															115.0
B			DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 85.8 92.7 96.9 99.8 103.0 107.2 108.3 107.2 101.9 87.4 81.2 88.7 93.1 95.9 98.6 100.7 103.2 104.3 103.8 101.4 96.9 95.8 94.4 91.5 88.0 85.4 82.7															
	C		DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC 80.5 86.8 91.0 93.9 96.7 99.9 97.4 89.5 82.6 69.2 69.9 78.1 82.6 86.3 89.6 93.6 97.3 99.1 97.2 91.8 87.0 85.5 82.4													104.4	107.0	
		D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 79.1 86.0 90.1 91.8 93.6 95.3 91.0 81.2 75.9 69.4 71.2 74.0 79.9 81.4 84.3 88.2 91.9 88.7 79.4 78.9 79.3 74.6 70.1 69.8															95.6
E			DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 80.0 86.4 90.6 91.9 92.7 91.6 87.6 89.9 90.5 85.1 82.8 90.5 94.0 96.0 96.0 95.7 92.5 88.5 88.6 86.0 84.6 80.5 77.2 73.5															
	F		DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 76.5 78.9 75.6 80.1 85.7 86.0 83.4 85.4 79.3 77.6 79.9 85.2 86.9 87.3 88.3 90.5 87.8 83.1 80.6 74.9 73.4 65.6													94.7	97.7	
		G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC 67.4 79.9 85.9 83.8 85.7 82.9 86.5 86.1 82.1 73.3 75.9 80.0 81.6 80.6 82.1 83.4 79.8 78.1 76.7 72.3 65.2															88.4
H			DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 33 SEC 76.6 84.9 83.8 86.3 87.3 90.2 87.2 85.1 81.8 81.2 86.4 90.3 93.5 93.0 92.2 90.5 89.0 84.4 80.3 77.4 71.6 63.7															
	I		DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC 76.1 80.0 80.6 86.4 87.4 88.7 90.5 90.2 85.8 83.8 88.3 90.7 91.0 86.9 84.5 84.5 82.6 79.6 76.5 74.1													92.7	99.7	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-104-325  
 STATION 1: WRIGHT-PATERSON AFB ( EVENT: NUMBER 325 ) MICROPHONE: ARRAY 04  
 SOUND SOURCE: C-135A ( DATE: 01 OCT 80 )  
 LOCATION 02 HT AGL 1.5 M ( DATE: 01 OCT 80 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS		
96.7	103.0	105.8	109.5	113.9	117.6	120.8	123.1	124.5	121.2	114.9	111.6	111.9	112.2	122.1	122.1	130.1
112.7	112.2	112.1	112.1	110.2	107.2	107.6	108.5	106.7	104.7	104.5	99.5	99.6				
S	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS		
96.1	102.8	106.3	109.7	114.1	117.4	121.3	124.3	126.3	123.4	117.3	112.0	105.5	101.9	120.1	120.1	131.0
99.7	98.5	101.4	103.2	104.9	105.9	107.3	108.8	106.4	104.4	104.8	99.5	99.5				
T	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS		
97.2	103.2	105.3	109.3	113.6	117.7	120.3	121.6	121.2	116.5	108.8	111.1	114.4	115.0	123.5	123.5	129.0
115.6	115.1	114.9	114.9	112.6	108.1	107.9	108.3	107.0	105.0	104.2	99.4	99.6				
A	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS		
91.7	98.0	101.3	104.7	108.0	113.3	116.2	117.0	114.9	105.5	90.8	96.1	99.2	100.8	115.9	115.9	122.8
102.9	105.6	107.6	108.6	107.6	104.6	100.2	101.1	99.0	97.1	94.7	92.8	89.8				
B	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS		
85.5	93.2	97.3	100.8	103.7	108.3	109.1	108.0	102.1	86.2	83.8	82.4	86.4	89.5	104.2	104.2	107.5
102.7	104.8	107.1	107.3	104.8	100.3	97.3	98.0	95.2	92.3	89.8	87.2	84.6				
C	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS		
81.2	88.1	92.0	95.0	97.4	100.9	97.9	89.8	83.1	72.5	75.6	84.0	86.4	89.5	104.2	104.2	107.5
92.1	96.1	98.8	98.2	94.1	89.6	87.1	86.4	82.0								
D	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS		
80.2	87.7	91.7	94.1	95.4	96.1	88.5	89.8	89.4	81.0	79.0	86.1	91.1	91.8	100.7	100.7	104.6
92.7	94.6	95.1	90.7	88.2	87.2	84.5	81.7	76.7	73.7							
E	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS		
79.9	86.6	89.7	90.5	88.6	82.7	80.2	83.0	82.2	83.2	76.5	85.6	88.0	87.9	96.7	96.7	101.5
88.4	90.8	90.8	87.8	82.8	79.7	79.8	76.6	70.3								
F	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS		
74.6	77.4	80.7	85.4	82.5	82.0	87.6	86.2	80.5	74.4	74.7	80.7	83.7	87.2	93.9	93.9	97.2
88.8	88.5	85.8	85.3	80.8	74.3	71.2	66.0	60.5								
G	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS		
70.6	82.0	85.7	84.8	85.7	81.4	86.7	88.5	86.1	82.4	81.0	85.1	84.7	84.5	92.1	92.1	97.4
84.1	86.0	86.2	82.6	77.1	73.3	68.8	61.3									
H	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS		
77.3	84.4	81.8	86.2	83.5	84.9	87.6	88.3	87.4	82.7	83.1	89.6	90.5	89.1	95.5	95.5	99.7
90.8	89.0	87.2	83.7	80.8	76.2	69.2	62.4									
I	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS		
75.4	78.6	81.0	83.6	84.6	85.6	87.6	89.7	85.8	79.7	80.0	85.7	90.6	90.2	93.1	93.1	98.4
87.2	85.1	82.6	80.4	76.9	72.5	65.8										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-326  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 326 ) ARRAY 04 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 01 OCT 80 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
DIST FROM SOURCE: 75 METERS																	
	97.1	102.0	106.4	109.6	114.1	117.9	120.7	123.1	124.1	121.4	115.2	111.4	111.5	111.6	122.0	130.0	
	112.1	111.9	112.2	112.5	110.7	107.3	107.1	108.0	106.5	104.4	104.3	99.7	99.2				
OVERALL SAMPLE DURATION: 32 SEC																	
S	DIST FROM SOURCE: 75 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	96.5	101.7	106.9	109.8	114.3	117.7	121.1	124.1	125.9	123.6	117.6	111.9	105.7	101.6	119.5	130.8	
	98.9	97.3	99.9	101.7	103.1	104.1	105.7	107.4	105.6	102.7	104.1	99.6	98.2				
OVERALL SAMPLE DURATION: 33 SEC																	
T	DIST FROM SOURCE: 75 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	97.6	102.2	105.9	109.4	113.8	118.1	120.2	121.6	121.1	117.1	109.6	110.8	113.9	114.3	123.6	129.0	
	115.0	114.9	115.1	115.3	113.3	109.1	108.2	108.5	107.2	105.6	104.6	99.8	100.1				
OVERALL SAMPLE DURATION: 32 SEC																	
A	DIST FROM SOURCE: 134 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	92.1	97.0	101.8	104.6	107.9	113.4	115.9	116.8	114.6	105.8	91.3	94.1	97.1	98.5	114.1	122.4	
	100.4	102.7	104.9	106.4	106.0	103.7	99.9	98.2	97.0	95.4	93.0	91.1	88.2				
OVERALL SAMPLE DURATION: 33 SEC																	
B	DIST FROM SOURCE: 238 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	86.2	92.5	97.9	100.4	103.5	108.5	108.9	107.8	102.2	87.2	83.3	90.0	93.5	95.4	110.8	115.8	
	97.8	99.8	102.7	104.5	103.5	99.6	96.2	94.0	93.7	91.2	86.4	85.3					
OVERALL SAMPLE DURATION: 33 SEC																	
C	DIST FROM SOURCE: 423 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	81.2	86.9	92.4	94.7	97.3	101.1	97.0	88.3	83.6	73.1	75.9	83.1	87.4	91.1	106.5	108.6	
	94.4	98.1	100.8	100.7	96.6	91.4	91.3	90.6	83.7	87.0							
OVERALL SAMPLE DURATION: 32 SEC																	
D	DIST FROM SOURCE: 753 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	80.3	86.2	91.6	93.3	95.0	97.0	91.3	83.1	78.7	73.8	74.5	79.5	82.6	85.2	97.9	103.1	
	88.6	92.4	93.2	89.5	84.9	81.7	81.9	75.0	71.5	69.2							
OVERALL SAMPLE DURATION: 33 SEC																	
E	DIST FROM SOURCE: 1255 METERS																
OVERALL SAMPLE DURATION: 31 SEC																	
	81.0	86.6	91.8	92.8	92.9	91.6	91.4	96.1	97.0	91.6	88.9	93.9	95.0	94.8	102.1	106.3	
	95.6	96.5	94.0	89.7	89.6	88.2	85.7	83.5	78.8	76.3							
OVERALL SAMPLE DURATION: 31 SEC																	
F	DIST FROM SOURCE: 1757 METERS																
OVERALL SAMPLE DURATION: 33 SEC																	
	75.4	76.7	78.1	84.4	84.5	79.2	86.5	85.9	81.2	80.1	80.9	84.9	86.9	87.6	94.0	97.4	
	87.6	87.1	86.8	85.8	81.4	75.5	71.9	66.8	62.0								
OVERALL SAMPLE DURATION: 33 SEC																	
G	DIST FROM SOURCE: 2079 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	70.8	81.0	85.9	83.5	85.9	83.6	87.9	84.8	80.2	74.0	77.8	83.7	85.1	83.9	91.5	96.5	
	82.2	85.2	86.2	82.1	77.8	73.2	67.0										
OVERALL SAMPLE DURATION: 32 SEC																	
H	DIST FROM SOURCE: 2273 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	77.3	83.2	83.1	86.9	86.0	87.6	88.4	88.7	85.1	82.0	82.9	88.3	90.0	89.8	95.1	99.6	
	89.0	88.4	87.4	85.2	79.8	74.3	69.8										
OVERALL SAMPLE DURATION: 32 SEC																	
I	DIST FROM SOURCE: 2377 METERS																
OVERALL SAMPLE DURATION: 32 SEC																	
	75.7	78.3	82.5	84.2	86.6	85.4	87.3	86.7	84.7	81.1	83.2	87.8	90.1	88.6	92.7	98.3	
	85.9	84.9	83.7	80.3	76.7	72.9											
OVERALL SAMPLE DURATION: 32 SEC																	

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 327 ) ARRAY 04 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 01 OCT 80 ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-104-927 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	97.2	102.7	106.2	109.5	114.2	117.6	120.5	123.0	124.3	121.3	115.1	111.6	111.9	112.0	122.0	130.0
	112.5	112.1	112.4	112.2	110.4	107.1	107.2	108.0	106.3	104.3	104.3	99.5	99.1			
S	DIST FROM SOURCE: 75 METERS															
	96.6	102.4	106.6	109.7	114.4	117.3	120.9	124.0	126.1	123.4	117.5	112.1	106.0	101.9	119.5	130.8
	99.4	97.9	100.5	102.0	103.2	104.3	105.7	107.3	105.1	102.6	103.9	99.1	97.6			
T	DIST FROM SOURCE: 75 METERS															
	97.6	103.0	105.7	109.4	113.9	117.8	120.0	121.6	121.2	116.9	109.4	111.1	114.3	114.7	123.6	129.0
	115.4	115.1	115.2	115.0	113.0	108.0	108.2	108.5	107.3	105.6	104.6	99.9	100.3			
A	DIST FROM SOURCE: 134 METERS															
	92.0	97.6	101.7	104.5	108.0	113.0	115.5	116.4	114.6	106.0	92.0	94.2	96.2	96.3	113.6	122.1
	98.2	100.7	103.4	105.5	105.5	104.0	100.0	96.9	97.1	94.9	91.9	90.1	87.0			
B	DIST FROM SOURCE: 238 METERS															
	86.3	93.0	97.7	100.3	103.4	108.1	108.6	107.6	102.3	87.9	82.6	88.6	91.6	93.4	108.7	115.0
	95.6	96.7	98.9	101.2	101.7	99.7	95.2	92.4	90.4	89.8	84.1	82.9				
C	DIST FROM SOURCE: 423 METERS															
	81.4	87.8	92.6	95.2	97.9	101.3	97.5	88.6	86.1	75.6	75.7	83.3	86.9	89.6	104.6	107.7
	91.0	94.0	96.4	98.0	97.2	94.6	91.8	88.1	84.0	83.8						
D	DIST FROM SOURCE: 753 METERS															
	80.1	86.6	91.3	93.2	95.0	95.6	89.5	83.7	82.0	75.2	74.0	81.9	85.1	86.7	100.1	103.6
	89.5	92.2	94.6	94.1	89.0	85.0	82.0	80.0	72.9	71.8						
E	DIST FROM SOURCE: 1255 METERS															
	79.9	86.2	90.6	91.5	91.3	88.7	89.3	93.1	93.8	88.5	85.6	90.7	92.7	92.9	100.6	104.2
	93.8	94.8	93.6	90.2	87.5	85.6	84.3	80.0	75.6	73.0						
F	DIST FROM SOURCE: 1757 METERS															
	77.1	80.0	78.3	82.6	87.1	87.7	88.6	90.6	86.1	80.3	82.8	87.7	88.7	87.5	93.2	98.7
	87.0	85.3	85.5	82.5	79.1	76.2	72.9	66.2								
G	DIST FROM SOURCE: 2079 METERS															
	70.9	79.7	85.8	84.1	84.7	82.5	86.1	83.7	81.3	77.3	77.3	83.8	88.1	87.6	92.6	97.0
	87.1	85.9	84.8	82.0	77.8	72.4	67.4	61.3								
H	DIST FROM SOURCE: 2273 METERS															
	74.7	83.8	85.2	82.6	86.8	83.9	87.6	86.3	79.5	77.5	78.2	84.3	86.9	87.2	91.8	97.1
	85.5	83.2	84.3	83.1	77.6	72.2	65.9	60.7								
I	DIST FROM SOURCE: 2377 METERS															
	74.7	80.9	78.7	84.3	81.8	83.1	81.9	86.0	82.8	79.5	81.3	84.1	85.9	85.3	90.2	95.5
	84.5	83.0	82.0	79.1	74.4	70.3	66.6									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-104-328  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: NUMBER 328  
 DATE 01 OCT 80  
 )  
 ) MICROPHONE:  
 ) ARRAY 04  
 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 30 SEC																
	96.8	102.3	106.0	109.6	113.9	117.5	120.4	122.9	124.2	121.4	115.3	111.2	111.2	111.3	122.1	129.9	
	112.3	111.7	111.7	112.7	111.2	107.8	107.4	108.1	106.5	104.5	104.5	99.7	99.4				
S	75 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 75 METERS	96.4	102.1	106.5	109.8	114.2	117.3	120.9	123.9	125.9	123.5	117.6	111.8	105.5	101.1	119.6	130.7
	98.7	97.1	99.3	101.9	103.4	104.3	106.1	107.7	105.4	103.0	104.3	99.4	98.6				
	OVERALL SAMPLE DURATION: 30 SEC																
T	75 METERS																
	OVERALL SAMPLE DURATION: 31 SEC																
	DIST FROM SOURCE: 75 METERS	97.2	102.5	105.5	109.3	113.6	117.7	119.9	121.5	121.2	117.2	109.6	110.5	113.6	114.1	123.6	128.9
	115.2	114.6	114.6	115.6	113.8	109.8	108.4	108.5	107.4	105.6	104.7	99.9	100.1				
	OVERALL SAMPLE DURATION: 30 SEC																
A	134 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 134 METERS	91.4	96.7	100.9	104.1	107.3	112.4	115.2	116.2	114.4	105.7	91.1	92.4	95.7	97.4	114.0	121.8
	99.6	102.1	104.3	106.2	106.1	103.9	100.3	98.1	96.9	95.6	92.8	91.1	88.9				
	OVERALL SAMPLE DURATION: 30 SEC																
B	238 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 238 METERS	85.5	92.4	97.0	100.2	103.4	107.8	108.6	107.4	102.2	87.5	80.6	86.0	90.0	93.4	109.2	115.0
	96.4	98.3	100.8	102.5	102.1	98.6	94.1	93.1	89.1	87.6	84.3						
	OVERALL SAMPLE DURATION: 30 SEC																
C	423 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 423 METERS	80.3	86.8	91.5	94.5	97.3	100.7	97.8	89.0	84.8	75.0	75.8	81.8	84.7	87.9	104.5	107.4
	91.4	94.4	97.0	98.3	96.5	93.6	92.1	86.6	82.9	83.3							
	OVERALL SAMPLE DURATION: 30 SEC																
D	753 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 753 METERS	79.2	85.7	90.1	92.1	93.8	95.1	91.1	85.7	81.1	72.0	73.2	80.6	83.9	87.1	97.9	102.4
	90.2	91.9	91.8	89.4	86.8	83.6	82.4	77.7	71.7	69.8							
	OVERALL SAMPLE DURATION: 30 SEC																
E	1255 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 1255 METERS	79.8	85.8	90.5	91.9	92.9	92.1	89.8	92.2	92.9	86.4	82.8	88.0	90.9	91.5	97.1	102.9
	91.3	90.0	88.7	86.5	85.1	82.3	78.5	79.3	69.8								
	OVERALL SAMPLE DURATION: 30 SEC																
F	1757 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 1757 METERS	76.7	80.6	80.6	75.5	84.3	88.8	88.2	88.5	82.6	75.5	78.8	84.7	87.0	85.0	91.9	97.3
	85.7	84.5	84.2	82.9	78.2	73.8	71.7	63.8									
	OVERALL SAMPLE DURATION: 30 SEC																
G	2079 METERS																
	OVERALL SAMPLE DURATION: 31 SEC																
	DIST FROM SOURCE: 2079 METERS	70.2	75.8	83.3	82.9	79.8	85.3	81.2	84.3	80.7	74.7	78.3	83.1	85.2	84.5	89.9	94.8
	80.8	82.3	83.9	80.0	75.4	72.2	66.1	58.4									
	OVERALL SAMPLE DURATION: 31 SEC																
H	2273 METERS																
	OVERALL SAMPLE DURATION: 31 SEC																
	DIST FROM SOURCE: 2273 METERS	69.4	81.1	84.3	81.8	83.3	84.5	80.0	81.6	78.0	76.4	78.1	83.6	85.7	84.1	89.2	94.6
	81.9	80.5	82.2	79.0	75.1	69.7	63.4										
	OVERALL SAMPLE DURATION: 30 SEC																
I	2377 METERS																
	OVERALL SAMPLE DURATION: 30 SEC																
	DIST FROM SOURCE: 2377 METERS	70.9	79.7	79.6	80.1	82.5	81.0	80.0	78.3	75.1	74.3	76.6	79.9	82.0	81.2	87.2	92.4
	82.9	81.5	78.6	75.7	71.2	66.5											
	OVERALL SAMPLE DURATION: 30 SEC																





TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A (NUMBER 330) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M (DATE 16 DEC 80) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-330 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.3	106.4	110.3	113.3	117.0	119.7	123.1	125.9	127.4	127.3	124.8	122.2	124.0	122.8	128.6	135.0
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	100.4	106.5	110.4	113.4	117.1	119.2	123.4	126.7	128.9	128.7	125.9	122.5	123.7	121.2	127.0	135.4
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 29 SEC															
	100.2	106.4	110.2	113.2	116.8	120.1	122.9	124.8	125.3	125.2	123.3	122.0	124.3	124.0	129.8	134.7
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	92.2	99.2	103.0	105.6	108.7	113.8	116.2	117.4	117.0	112.5	104.8	95.8	101.4	103.4	116.2	123.9
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	89.4	95.5	99.8	102.1	104.8	110.0	111.8	111.7	108.9	100.6	87.6	87.0	94.0	99.4	111.1	118.3
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	84.0	90.5	95.6	97.9	100.7	105.1	105.8	103.1	93.4	81.8	77.6	80.4	85.7	90.6	100.9	111.1
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	78.2	85.1	90.5	93.6	96.4	100.9	100.9	97.4	88.7	74.0	70.2	75.7	80.3	84.7	92.8	106.1
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	76.1	82.6	88.3	90.5	92.8	94.3	89.8	84.2	79.2	72.3	69.2	75.1	79.4	83.3	88.9	99.5
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	74.8	81.0	84.5	85.4	84.7	84.0	81.6	80.1	75.5	69.9	64.5	68.8	71.6	73.7	80.7	92.5
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	73.0	79.3	83.9	84.4	83.3	80.2				65.6	62.8	67.5	71.4	73.6	79.1	90.2
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	72.3	79.7	84.6	83.9	83.9	81.2	78.7	77.5	76.0	67.0		66.0	70.6	72.1	78.0	91.1

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 331 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 16 DEC 80 ) ) DATE 05 FEB 87 )  
 ( ( ( ( ( PAGE F1 ) )  
 ) IDENTIFICATION: )  
 ) OMEGA 12.2 )  
 ) TEST AA-105-331 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.0	106.4	109.9	112.4	116.5	119.2	122.9	125.3	127.0	126.8	124.3	121.5	123.4	122.1	128.3	134.6
	121.1	118.8	117.1	115.1	113.4	112.3	111.8	111.2	109.2	109.4	103.8	104.9				
S	DIST FROM SOURCE: 66 METERS															
	100.0	106.2	109.8	112.4	116.6	118.5	123.0	125.9	128.2	128.0	125.2	121.3	122.6	120.4	125.9	134.6
	115.2	107.9	101.3	104.8	107.7	109.1	109.7	112.3	110.1	106.0	105.6	101.2	102.1			
T	DIST FROM SOURCE: 66 METERS															
	100.1	106.5	109.9	112.5	116.5	119.8	122.9	124.6	125.2	125.1	123.3	121.7	124.0	123.9	129.8	134.6
	123.5	121.6	120.1	117.9	115.8	114.1	113.3	114.0	112.1	111.0	111.3	105.3	106.7			
A	DIST FROM SOURCE: 134 METERS															
	92.0	98.9	102.5	104.5	108.1	113.3	115.6	116.5	116.5	112.2	105.4	94.3	98.2	100.5	113.3	122.9
	102.1	103.2	104.0	104.5	102.8	99.3	99.4	98.0	94.7	94.4	91.0	90.2	88.9			
B	DIST FROM SOURCE: 238 METERS															
	89.7	95.8	100.0	101.6	104.7	109.9	111.6	111.2	108.7	100.2	85.6	85.7	90.1	95.0	107.0	117.5
	96.7	99.5	100.5	98.1	94.2	93.7	90.4	88.1	84.0	82.2	79.5					
C	DIST FROM SOURCE: 431 METERS															
	84.3	91.0	96.2	98.1	102.0	106.3	106.8	103.1	92.5	85.4	79.3	81.4	87.1	89.9	99.9	111.8
	93.2	94.4	92.4	88.5	86.2	85.0	83.7	79.1	73.2							
D	DIST FROM SOURCE: 753 METERS															
	79.5	86.3	91.5	94.2	97.5	101.6	101.2	98.1	89.5	78.4	76.1	80.9	86.4	89.8	95.1	106.9
	89.6	87.4	87.9	82.5	79.2	78.6	72.8	70.5								
E	DIST FROM SOURCE: 1255 METERS															
	78.2	83.8	89.6	91.2	93.3	94.0	90.5	85.2	80.1	75.5	72.3	78.2	81.3	84.2	90.6	100.1
	86.8	85.9	82.0	77.4	74.6	72.4										
F	DIST FROM SOURCE: 1757 METERS															
	74.3	80.8	85.7	87.0	87.5	85.9	84.5	81.0	77.4	74.0	68.2	71.0	73.9	78.9	84.3	94.5
	78.6	79.6	76.9	73.2	68.1	61.7										
G	DIST FROM SOURCE: 2087 METERS															
	72.6	78.9	83.1	84.9	84.1	80.3										
	79.4	76.5	73.6	67.1	61.4	56.7										
I	DIST FROM SOURCE: 2377 METERS															
	72.7	79.8	85.1	84.9	84.9	80.8	74.6	78.1	76.5	70.2	64.5	69.0	75.6	75.3	80.2	91.7
	76.0	74.7	71.1	64.4	58.6	51.9										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-332

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 332 ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE 16 DEC 80 ) ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										OASPL (DB)				
	25	31.5	40	50	63	80	100	125	160	200		250	315	400	500
U	DIST FROM SOURCE: 66 METERS														
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		
	OVERALL SAMPLE DURATION: 34 SEC														
	100.2	107.2	109.8	113.0	116.9	119.7	123.3	127.3	127.0	124.6	121.9	123.8	122.9	128.5	134.9
	121.5	119.0	116.9	114.9	113.4	112.6	111.9	113.4	111.5	110.0	109.8	104.4	105.2		
S	DIST FROM SOURCE: 66 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	100.1	107.1	109.8	113.0	116.9	119.1	123.4	126.4	128.6	128.3	125.5	121.8	123.2	121.0	126.6
	116.2	109.4	103.2	106.0	108.7	110.0	110.4	113.0	111.2	108.7	107.6	103.5	103.5	126.6	135.1
T	DIST FROM SOURCE: 66 METERS														
	OVERALL SAMPLE DURATION: 33 SEC														
	100.2	107.2	109.9	113.0	116.8	120.2	123.2	124.9	125.4	125.2	123.5	122.0	124.3	124.2	129.8
	123.8	121.7	119.8	117.6	115.6	114.2	113.1	113.8	111.8	111.0	111.2	105.1	106.4		
A	DIST FROM SOURCE: 134 METERS														
	OVERALL SAMPLE DURATION: 33 SEC														
	91.9	99.8	102.4	105.2	108.6	113.7	116.2	117.3	117.3	113.1	106.2	95.3	100.0	101.9	115.8
	104.6	106.8	107.4	107.2	105.5	102.4	102.1	101.4	98.8	98.2	95.4	94.8	92.9	115.8	123.8
B	DIST FROM SOURCE: 238 METERS														
	OVERALL SAMPLE DURATION: 33 SEC														
	89.3	96.0	99.0	101.5	104.5	109.8	111.8	111.7	109.5	101.7	88.2	84.6	89.6	94.8	118.0
	96.9	100.5	102.2	102.0	97.4	95.6	95.2	91.4	90.1	86.9	83.9			109.0	118.0
C	DIST FROM SOURCE: 431 METERS														
	OVERALL SAMPLE DURATION: 33 SEC														
	83.9	91.2	94.9	97.3	100.8	105.2	106.4	103.9	95.1	82.7	78.0	79.7	84.6	89.9	102.8
	95.5	98.1	97.0	92.4	88.7	87.2	85.8	81.2	77.5					111.7	
D	DIST FROM SOURCE: 753 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	77.6	85.4	89.9	93.1	95.9	100.2	100.8	97.9	89.1	75.1	69.8	75.0	79.5	83.5	93.5
	86.5	88.6	86.8	82.0	77.6	74.5	71.4							105.9	
E	DIST FROM SOURCE: 1255 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	74.2	82.2	86.3	88.9	91.6	92.8	89.7	82.8	75.6	68.6	64.6	70.0	74.1	79.4	85.8
	81.4	79.9	79.0	73.6	68.8	65.3								98.1	
F	DIST FROM SOURCE: 1757 METERS														
	OVERALL SAMPLE DURATION: 33 SEC														
	71.8	78.8	82.5	83.6	85.6	86.0	81.7	75.3	70.6	65.5	61.3	64.4	67.2	70.8	78.0
	71.7	73.0	70.9	67.7	63.4	55.8								91.9	
G	DIST FROM SOURCE: 2087 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	68.3	75.6	80.2	82.2	82.0	82.0	78.9	73.8	67.3	61.4	59.6	64.2	68.1	69.6	89.0
	70.9	69.2	67.1	62.6	56.0	51.3								75.3	
I	DIST FROM SOURCE: 2377 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	69.7	77.6	81.7	82.8	83.3	82.2	79.1	78.1	75.7	75.2	70.8	64.8	67.6	68.6	90.1
	68.0	68.3	65.5	62.0	59.3	56.3								75.0	

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 333 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE 16 DEC 80 ) ARRAY O5 ) OMEGA 12.2  
 LOCATION O1 HT AGL 1.5 M ( ) ) ) TEST 0A-10S-333  
 ) ) ) ) DATE 05 FEB 87  
 ) ) ) ) PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
	DIST FROM SOURCE: 66 METERS															128.3	134.9
	OVERALL SAMPLE DURATION: 34 SEC																
S	100.0	106.5	109.9	113.3	116.9	119.6	123.1	126.2	127.4	127.0	124.3	121.7	123.6	122.1			
	121.1	118.9	117.0	115.2	113.5	112.3	111.6	112.9	111.2	110.0	110.1	104.6	105.6				
	DIST FROM SOURCE: 66 METERS															126.1	135.0
	OVERALL SAMPLE DURATION: 34 SEC																
T	100.1	106.5	109.9	113.2	116.8	120.1	123.0	125.3	125.4	125.2	123.1	121.9	124.3	123.5			
	123.5	121.6	119.9	118.0	115.9	114.3	113.9	113.9	112.0	111.0	111.4	105.4	106.9				
	DIST FROM SOURCE: 66 METERS															129.8	134.7
	OVERALL SAMPLE DURATION: 34 SEC																
A	91.5	98.7	102.1	105.1	108.4	113.5	115.8	117.6	117.2	113.3	106.6	96.1	99.0	100.6			
	102.2	103.6	104.7	105.8	105.4	103.6	99.1	100.2	97.6	96.4	93.2	92.0	89.8				
	DIST FROM SOURCE: 134 METERS															114.7	123.7
	OVERALL SAMPLE DURATION: 34 SEC																
B	88.7	94.9	98.9	101.5	104.5	109.8	111.9	112.6	110.3	102.9	90.3	86.2	90.7	95.1			
	96.7	99.7	101.0	100.4	96.4	94.8	93.8	90.6	89.4	84.9	83.6						
	DIST FROM SOURCE: 238 METERS															108.3	118.2
	OVERALL SAMPLE DURATION: 34 SEC																
C	82.9	89.4	94.0	96.4	99.5	104.1	105.5	104.6	97.2	83.0	76.8	78.7	83.5	86.7			
	90.9	93.2	94.4	93.2	90.5	86.4	85.0	82.5	74.1								
	DIST FROM SOURCE: 431 METERS															100.9	110.9
	OVERALL SAMPLE DURATION: 34 SEC																
D	75.0	82.2	86.8	89.9	93.5	97.9	99.0	97.8	89.1	74.2	67.2	71.0	73.9	76.9			
	80.8	83.7	85.2	82.7	78.4	72.6	68.3										
	DIST FROM SOURCE: 753 METERS															91.1	104.1
	OVERALL SAMPLE DURATION: 34 SEC																
E	73.0	79.9	85.1	87.5	89.9	92.6	90.5	85.6	77.0	69.5	64.0	69.1	71.5	76.1			
	80.5	83.7	83.3	77.9	73.2	66.3	61.8										
	DIST FROM SOURCE: 1255 METERS															88.2	97.8
	OVERALL SAMPLE DURATION: 34 SEC																
F	69.9	76.6	81.2	83.5	85.1	86.6	85.8	79.7	71.7	67.1	62.4	66.2	69.4	72.2			
	75.2	75.9	73.7	70.9	65.2	58.5											
	DIST FROM SOURCE: 1757 METERS															80.8	92.6
	OVERALL SAMPLE DURATION: 35 SEC																
G	67.1	73.6	79.1	82.2	82.2	82.6	80.4	77.3	70.6	61.5	60.8	65.9	69.4	70.9			
	73.8	73.1	72.0	66.6	59.2	52.9											
	DIST FROM SOURCE: 2087 METERS															78.4	89.5
	OVERALL SAMPLE DURATION: 34 SEC																
I	68.1	75.2	80.3	82.2	83.6	83.2	77.4	77.1	72.1	64.1							
	74.2	74.1	69.5	64.1	57.1	48.2											
	DIST FROM SOURCE: 2377 METERS															78.4	89.9
	OVERALL SAMPLE DURATION: 34 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 334 ) ARRAY 05 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 16 DEC 80 ) ) TEST AA-105-334 )  
 ) ) ) ) )  
 ) ) ) ) )  
 ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.7	105.5	109.4	112.4	116.0	118.4	121.8	124.3	125.7	125.1	122.8	120.7	123.0	122.0	127.8	133.6
	120.5	118.3	117.3	115.6	113.3	111.8	111.4	113.0	111.0	109.5	109.4	103.9	104.9			
	DIST FROM SOURCE: 66 METERS															
	99.6	105.5	109.3	112.3	116.0	117.8	121.8	124.9	126.8	126.2	123.5	120.3	122.3	120.7	125.2	133.4
	115.0	108.1	101.3	103.6	106.6	108.3	108.9	111.9	110.3	107.8	106.8	102.4	102.6			
	DIST FROM SOURCE: 66 METERS															
	99.9	105.6	109.4	112.4	116.0	119.0	121.9	123.7	124.0	123.5	121.9	121.0	123.6	123.3	129.4	133.8
	122.9	121.1	120.3	118.5	115.8	113.7	112.9	114.0	111.6	110.7	111.0	105.0	106.4			
	DIST FROM SOURCE: 134 METERS															
	91.6	97.9	102.0	104.4	107.2	112.0	113.9	114.8	114.6	110.6	104.8	95.7	95.3	96.7	111.7	121.3
	98.1	99.5	100.5	101.8	102.2	101.5	99.0	97.3	94.6	93.6	90.3	89.4				
	DIST FROM SOURCE: 238 METERS															
	89.3	94.6	99.4	101.6	104.0	108.9	110.4	110.5	108.0	100.9	89.3	87.3	91.6	94.8	106.3	116.6
	95.1	96.6	97.6	97.8	96.6	94.8	91.6	88.9	85.8	82.3	79.4					
	DIST FROM SOURCE: 431 METERS															
	83.7	89.3	94.8	96.9	99.7	103.4	104.2	102.4	94.6	83.0	78.4	80.3	83.8	86.0	98.3	109.7
	88.4	89.4	89.8	90.6	89.3	86.1	82.5	78.8	72.1							
	DIST FROM SOURCE: 753 METERS															
	76.8	82.7	88.3	91.3	94.3	98.2	98.8	95.7	86.5	75.8	70.9	75.6	79.2	81.3	91.5	103.9
	83.1	84.4	85.2	83.4	78.5	73.8	70.1									
	DIST FROM SOURCE: 1255 METERS															
	75.8	81.7	88.0	90.0	92.0	93.6	90.6	85.6	80.1	73.6	71.2	75.5	78.2	80.7	88.5	99.1
	81.7	82.6	82.7	79.1	74.2	68.5										
	DIST FROM SOURCE: 1757 METERS															
	72.9	78.4	83.6	85.2	85.8	86.7	85.4	80.7	72.9	68.1	65.4	72.3	74.3	77.5	83.9	93.6
	79.2	78.6	76.8	72.2	67.4	62.6										
	DIST FROM SOURCE: 2087 METERS															
	70.0	74.8	81.4	83.6	83.3	83.4	79.3	77.3	72.9	64.5	61.8	67.7	69.8	71.0	77.3	90.3
	72.4	71.8	69.7	64.8	58.8	52.7										
	DIST FROM SOURCE: 2377 METERS															
	70.5	76.9	82.9	83.8	84.7	84.9	80.5	76.6	72.3	67.7	62.7	66.9	71.0	71.9	77.7	91.3
	72.7	72.7	69.5	63.5	57.5	48.8										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 335) MICROPHONE: ARRAY 05  
 SOUND SOURCE: C-135A (DATE: 16 DEC 80) AL (DBA) OASPL (DB)  
 LOCATION 01 HT AGL 1.5 M ( DATE 05 FEB 87) PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)				AL (DBA)	OASPL (DB)							
	25	40	50	63									
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K
	DIST FROM SOURCE: 66 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
S	DIST FROM SOURCE: 66 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
T	DIST FROM SOURCE: 66 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
A	DIST FROM SOURCE: 134 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
B	DIST FROM SOURCE: 238 METERS												
	OVERALL SAMPLE DURATION: 33 SEC												
	OVERALL SAMPLE DURATION: 33 SEC												
	OVERALL SAMPLE DURATION: 33 SEC												
C	DIST FROM SOURCE: 431 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
D	DIST FROM SOURCE: 753 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
E	DIST FROM SOURCE: 1255 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
F	DIST FROM SOURCE: 1757 METERS												
	OVERALL SAMPLE DURATION: 33 SEC												
	OVERALL SAMPLE DURATION: 33 SEC												
	OVERALL SAMPLE DURATION: 33 SEC												
G	DIST FROM SOURCE: 2087 METERS												
	OVERALL SAMPLE DURATION: 33 SEC												
	OVERALL SAMPLE DURATION: 33 SEC												
	OVERALL SAMPLE DURATION: 33 SEC												
I	DIST FROM SOURCE: 2377 METERS												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												
	OVERALL SAMPLE DURATION: 34 SEC												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 336 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 16 DEC 80 ) ) TEST AA-106-336  
 ( ) ) ) DATE 05 FEB 87  
 ( ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)						
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																					
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K									
	OVERALL SAMPLE DURATION: 32 SEC																					
	99.1	104.7	108.4	111.5	115.4	118.4	121.7	124.7	126.4	125.3	121.4	118.5	117.8	115.9	124.8	132.6						
	114.6	113.8	113.3	113.7	113.0	111.4	109.9	110.1	107.7	106.5	106.5											
S	DIST FROM SOURCE: 75 METERS																					
	OVERALL SAMPLE DURATION: 32 SEC																					
	99.3	104.6	108.2	111.3	115.5	117.4	121.5	125.3	127.6	126.7	122.9	119.6	118.8	114.6	122.4	133.1						
	109.1	103.4	99.1	95.1	97.1	97.8	97.2	99.1	97.9	96.3	95.8											
T	DIST FROM SOURCE: 75 METERS																					
	OVERALL SAMPLE DURATION: 29 SEC																					
	98.8	104.8	108.6	111.7	115.2	119.2	121.9	124.0	124.9	123.0	119.1	117.1	116.5	116.8	126.4	132.1						
	117.0	116.7	116.2	116.7	115.9	114.3	112.8	112.9	110.5	109.3	109.3	103.9	104.5									
A	DIST FROM SOURCE: 134 METERS																					
	OVERALL SAMPLE DURATION: 33 SEC																					
	90.7	96.8	100.7	103.4	107.2	112.0	115.1	117.1	117.0	113.4	107.6	103.8	100.3	98.6	111.5	123.0						
	98.6	99.8	99.0	98.5	99.0	97.8	96.9	96.0	93.1	91.0	90.6	87.8										
B	DIST FROM SOURCE: 238 METERS																					
	OVERALL SAMPLE DURATION: 33 SEC																					
	85.2	91.3	95.4	98.4	102.0	106.8	109.8	111.0	109.3	103.6	95.9	89.0	88.1	91.0	103.7	116.3						
	92.1	92.8	92.6	91.5	91.7	90.7	88.7	87.2	83.5	81.2	79.2											
C	DIST FROM SOURCE: 423 METERS																					
	OVERALL SAMPLE DURATION: 32 SEC																					
	80.1	85.1	89.9	93.6	96.3	100.9	103.2	102.4	96.0	82.9	77.1	78.5	80.2	80.4	93.6	108.1						
	82.2	83.6	83.6	82.8	82.0	80.6	77.9	76.1														
D	DIST FROM SOURCE: 753 METERS																					
	OVERALL SAMPLE DURATION: 33 SEC																					
	74.1	80.0	84.3	86.8	89.9	93.5	95.9	95.0	90.4	79.5	70.4	69.2	69.7	71.3	84.8	101.0						
	72.2	73.4	72.7	71.4	70.7	68.1	65.4															
E	DIST FROM SOURCE: 1255 METERS																					
	OVERALL SAMPLE DURATION: 32 SEC																					
	69.3	73.2	76.1	76.7	79.5	82.0	83.0	81.1	75.2	66.4	62.6	61.7	62.7	63.7	72.4	88.4						
	64.4	64.5	63.0	60.9	58.1	54.0																
F	DIST FROM SOURCE: 1757 METERS																					
	OVERALL SAMPLE DURATION: 32 SEC																					
	59.8	60.0	58.1														57.5	58.9	59.5			
G	DIST FROM SOURCE: 2079 METERS																					
	OVERALL SAMPLE DURATION: 29 SEC																					
	65.4	66.1	66.4														63.2	60.9	62.2	64.4		
	63.8	62.9	60.1	56.3	55.2	55.6											52.7	49.2				
H	DIST FROM SOURCE: 2273 METERS																					
	OVERALL SAMPLE DURATION: 30 SEC																					
	59.4	59.3	57.1	54.7	52.7	50.3											66.4	65.7	61.4	60.5	59.2	61.2
	63.5	66.4																				
I	DIST FROM SOURCE: 2377 METERS																					
	OVERALL SAMPLE DURATION: 30 SEC																					
	55.0	55.8	53.9	53.2	52.5	49.3											55.4					

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-106-337  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 337 ) MICROPHONE: ARRAY 06  
 SOUND SOURCE: C-135A ( DATE: 16 DEC 80 )  
 LOCATION 02 MT AGL 1.5 M ( ) DATE 05 FEB 87  
 ( ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 75 METERS															
	99.0 105.0 109.0 111.5 115.3 118.7 122.0 124.6 126.1 125.0 121.6 119.0 118.2 116.3															
	115.2 114.3 113.9 114.0 113.3 111.9 110.6 111.1 108.7 107.3															
	OVERALL SAMPLE DURATION: 34 SEC															
S	DIST FROM SOURCE: 75 METERS															
	99.2 104.8 108.9 111.3 115.4 117.7 121.7 125.2 127.2 126.4 122.9 119.8 118.8 115.0															
	109.8 104.3 99.7 94.4 95.2 95.3 94.0 95.0 94.9 93.3															
	OVERALL SAMPLE DURATION: 34 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.9 105.1 109.2 111.8 115.2 119.5 122.2 124.0 124.7 123.0 119.7 118.0 117.4 117.3															
	117.5 117.1 116.8 117.0 116.3 114.9 113.6 114.1 111.6 110.2 110.5 105.1 105.7															
	OVERALL SAMPLE DURATION: 34 SEC															
A	DIST FROM SOURCE: 134 METERS															
	91.3 96.9 101.4 103.2 107.2 112.2 115.3 117.1 116.6 113.3 108.0 104.6 101.2 99.0															
	98.6 99.3 98.1 96.9 96.5 95.2 94.2 93.6 91.0 90.1 89.4															
	OVERALL SAMPLE DURATION: 34 SEC															
B	DIST FROM SOURCE: 238 METERS															
	85.6 92.0 96.3 98.5 102.1 107.2 109.8 110.9 108.9 103.6 96.9 91.0 88.1 89.8															
	90.4 92.0 92.4 91.4 91.2 90.3 87.8 86.0 84.8 80.9															
	OVERALL SAMPLE DURATION: 34 SEC															
C	DIST FROM SOURCE: 423 METERS															
	80.9 86.1 91.0 93.8 96.4 101.2 103.2 102.5 96.4 83.9 77.0 77.5 78.3 79.6															
	80.2 80.0 80.0 79.8 79.1 77.9 76.3 74.4															
	OVERALL SAMPLE DURATION: 34 SEC															
D	DIST FROM SOURCE: 753 METERS															
	74.5 80.6 85.5 86.8 89.6 93.4 95.1 94.0 89.1 78.1 68.9 68.5 68.9 70.5															
	71.5 71.9 70.9 69.5 68.2 65.7															
	OVERALL SAMPLE DURATION: 34 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	70.7 75.1 77.3 74.9 74.9 78.8 81.2 78.3 73.0 68.5 64.6 64.3 64.9 64.9															
	68.9 67.5 66.9 62.4 58.2															
	OVERALL SAMPLE DURATION: 34 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	69.2 72.2 73.7 72.0 72.6 74.2 73.3 68.2 63.4 61.3 61.2 61.8 63.0 63.0															
	64.0 64.6 65.2															
	OVERALL SAMPLE DURATION: 34 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	63.8 68.6 71.4 71.0 73.5 74.1 72.6															
	72.6															
	OVERALL SAMPLE DURATION: 32 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	66.3 68.7 69.2 71.3 73.1 71.1															
	71.3															
	OVERALL SAMPLE DURATION: 40 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	63.1 66.3 66.4 69.3															
	69.3															
	OVERALL SAMPLE DURATION: 34 SEC															



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 338 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 16 DEC 80 ) ) TEST AA-106-338  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)		
	25	31.5	40	50	63	80	100	125	160	200			250	315
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	
	DIST FROM SOURCE: 75 METERS													
	99.1	105.7	108.9	111.4	115.3	118.5	121.7	124.4	126.2	125.2	121.4	118.8	118.1	116.2
	115.0	114.3	113.6	113.7	113.0	111.5	110.4	110.9	108.7	107.4				125.0
S	DIST FROM SOURCE: 75 METERS													
	99.2	105.5	108.7	111.2	115.4	117.5	121.4	125.0	127.2	126.6	122.7	119.7	118.6	115.0
	109.6	103.9	98.9	93.8	95.1	95.4	94.6	96.0	95.0	94.0				122.2
T	DIST FROM SOURCE: 75 METERS													
	99.1	105.9	109.1	111.6	115.1	119.2	121.9	123.8	124.8	123.2	119.5	117.7	117.6	117.2
	117.3	117.1	116.6	116.7	116.0	114.5	113.3	113.9	111.6	110.4	110.5	105.3	106.0	126.8
A	DIST FROM SOURCE: 134 METERS													
	91.2	97.8	101.0	103.0	107.0	111.8	114.9	116.7	116.6	113.2	107.7	104.7	101.5	98.7
	97.6	98.0	96.6	94.5	93.2	91.6	90.2	89.3	86.3	84.5				110.1
B	DIST FROM SOURCE: 238 METERS													
	85.5	92.3	95.5	97.7	101.2	105.9	108.5	109.3	107.7	102.5	95.7	89.3	85.0	86.0
	85.2	86.3	86.1	84.5	84.8	83.9	81.6	79.3						100.3
C	DIST FROM SOURCE: 423 METERS													
	80.3	86.3	90.1	92.8	95.3	99.7	101.5	100.9	95.9	83.8	75.0	74.4	75.4	76.0
	77.0	77.7	77.2	76.5	75.6	74.2								90.2
D	DIST FROM SOURCE: 753 METERS													
	73.4	80.4	83.7	85.2	88.3	92.0	93.8	92.5	88.1	77.8	70.0	68.5	68.5	69.6
	70.2	70.8	70.3	68.9	67.4	64.7	59.3	54.3						82.5
E	DIST FROM SOURCE: 1255 METERS													
	71.3	75.6	78.9	79.6	80.6	82.4	80.9	78.2	76.4	70.7	66.0	66.9	66.8	67.7
	68.4	69.3	68.4	67.2	63.1	59.0								76.2
F	DIST FROM SOURCE: 1757 METERS													
	68.3	69.6	72.2		77.2	76.2	74.5	68.7	61.8	60.2	61.1	61.6	62.7	70.1
	63.5	63.4												81.4
G	DIST FROM SOURCE: 2079 METERS													
	63.7	70.9	72.0	73.3	73.3	73.3	73.3	70.8						
H	DIST FROM SOURCE: 2273 METERS													
	66.8	66.3	69.4	72.3	72.1	72.4	70.7							
I	DIST FROM SOURCE: 2377 METERS													
	63.7	65.8	71.1	70.9	70.6	68.7	67.3							60.0

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 339 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 16 DEC 80 ) ) TEST AA-106-339  
 ( ) ) ) ) ) DATE 05 FEB 87  
 ( ) ) ) ) ) PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	ORASPL (DB)											
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	124.7	132.4							
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	122.1			132.8						
	DIST FROM SOURCE: 75 METERS																						
	OVERALL SAMPLE DURATION: 32 SEC																						
99.4	105.1	109.0	111.7	115.0	118.6	121.7	124.6	125.8	125.0	121.3	118.8	118.2	116.3		126.6	132.1							
115.0	114.1	113.5	113.3	112.6	111.3	110.1	110.0	108.5	OVERALL SAMPLE DURATION: 32 SEC								111.0	129.0					
DIST FROM SOURCE: 75 METERS																							
OVERALL SAMPLE DURATION: 33 SEC																							
99.5	104.9	108.8	111.5	115.2	117.7	121.5	125.1	126.9	126.4	122.6	119.6	118.6	115.1	126.6	132.1								
109.6	103.8	98.7	93.4	94.2	94.3	93.4	93.4	94.7	93.6	OVERALL SAMPLE DURATION: 33 SEC						103.6	116.2						
DIST FROM SOURCE: 75 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
99.3	105.3	109.2	111.9	114.8	119.4	121.9	124.0	124.5	122.9	119.4	117.8	117.8	117.3	111.0	129.0								
117.3	116.9	116.4	116.3	115.6	114.2	113.0	113.8	111.5	110.3	110.4	105.2	105.2	105.8			OVERALL SAMPLE DURATION: 33 SEC						91.2	107.6
DIST FROM SOURCE: 134 METERS																							
OVERALL SAMPLE DURATION: 33 SEC																							
99.1	99.9	98.9	97.4	96.8	95.3	93.9	92.8	90.1	88.8	88.1	OVERALL SAMPLE DURATION: 32 SEC						86.2	102.5					
DIST FROM SOURCE: 238 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
86.0	92.2	96.1	98.4	101.5	107.0	109.7	110.9	108.8	103.8	96.9	90.9	89.1	92.2	76.7	77.3								
93.0	93.5	93.3	91.5	90.8	89.2	87.2	85.3	81.2	78.5	OVERALL SAMPLE DURATION: 33 SEC						63.3	77.5						
DIST FROM SOURCE: 423 METERS																							
OVERALL SAMPLE DURATION: 33 SEC																							
80.9	85.8	90.5	93.5	95.3	100.3	102.4	102.2	96.8	83.7	76.8	76.0	76.7	77.3	63.3	77.5								
78.4	78.8	78.1	77.2	76.6	75.3	OVERALL SAMPLE DURATION: 32 SEC						73.5	90.0										
DIST FROM SOURCE: 753 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
75.2	81.7	86.4	88.1	90.4	94.8	97.2	96.9	92.4	82.5	72.5	69.6			69.9	72.4	56.1	57.0						
73.0	73.9	73.3	71.9	70.8	68.1	OVERALL SAMPLE DURATION: 32 SEC						55.6	56.9										
DIST FROM SOURCE: 1255 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
69.4	74.3	78.3	79.7	80.4	83.1	84.0	82.1	77.0	69.1	62.1	62.3			63.4	56.1	57.0							
64.0	64.5	63.6	61.3	58.5	54.4	OVERALL SAMPLE DURATION: 33 SEC						57.1	77.5										
DIST FROM SOURCE: 1757 METERS																							
OVERALL SAMPLE DURATION: 33 SEC																							
57.6	66.4	69.0	71.1	71.3	73.5	OVERALL SAMPLE DURATION: 32 SEC								55.6	56.9								
57.6	57.3	55.9	52.8	49.2	OVERALL SAMPLE DURATION: 32 SEC						54.3	77.5											
DIST FROM SOURCE: 2079 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
57.6	56.3													57.1									
DIST FROM SOURCE: 2273 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
56.3													64.0										
DIST FROM SOURCE: 2377 METERS																							
OVERALL SAMPLE DURATION: 32 SEC																							
54.4	53.3													54.3									

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-34D  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATERSON AFB (EVENT: ) MICROPHONE: ARRAY 06  
 SOUND SOURCE: C-135A (NUMBER 340)  
 LOCATION 02 HT AGL 1.5 M (DATE 16 DEC 80)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	100.0	105.5	108.7	111.4	115.2	118.4	121.7	124.2	125.9	124.6	120.8	118.5	117.8	115.8	124.3	132.2
114.2	113.4	112.9	112.7	112.0	110.7	109.6	109.8	109.0								
S	DIST FROM SOURCE: 75 METERS															
DIST FROM SOURCE: 75 METERS	99.5	105.2	108.5	111.2	115.4	117.5	121.4	124.7	127.0	126.1	122.1	119.4	118.2	114.7	121.8	132.6
109.3	103.3	98.0	93.2	94.5	94.7	94.0	95.3	94.7								
T	DIST FROM SOURCE: 75 METERS															
DIST FROM SOURCE: 75 METERS	100.4	105.8	109.0	111.5	115.0	119.0	121.9	123.6	124.4	122.5	119.0	117.4	117.3	116.6	126.0	131.7
116.4	116.2	115.9	115.7	115.0	113.7	112.5	112.8	111.9	109.1	109.2	103.8	104.7				
A	DIST FROM SOURCE: 134 METERS															
DIST FROM SOURCE: 134 METERS	90.9	97.7	101.0	103.2	107.1	111.8	114.9	116.6	116.4	112.7	107.4	104.8	101.8	98.3	109.7	122.4
96.9	96.5	94.7	93.2	92.8	91.2	89.9	89.3	88.1								
B	DIST FROM SOURCE: 238 METERS															
DIST FROM SOURCE: 238 METERS	85.9	92.4	95.9	98.2	101.7	106.7	109.3	110.1	108.4	103.0	96.6	91.5	88.0	88.6	101.2	115.6
87.5	87.2	86.8	86.2	86.3	85.1	82.9	80.8	76.9								
C	DIST FROM SOURCE: 423 METERS															
DIST FROM SOURCE: 423 METERS	80.5	85.9	90.1	93.0	95.5	100.1	102.0	101.2	96.0	84.0	76.4	75.8	76.9	77.4	90.7	107.1
77.4	78.4	78.6	77.0	76.2	74.7											
D	DIST FROM SOURCE: 753 METERS															
DIST FROM SOURCE: 753 METERS	73.9	80.2	83.8	85.0	87.3	91.2	93.3	92.4	88.1	77.7	68.8	67.5	68.0	69.4	82.2	98.6
70.3	70.5	69.8	68.4	66.9	64.2	58.5	54.1									
E	DIST FROM SOURCE: 1255 METERS															
DIST FROM SOURCE: 1255 METERS	69.7	74.5	77.4	77.0	78.1	80.8	82.5	80.2	74.6	66.1	62.6	63.5	63.9	64.5	73.3	88.2
64.8	65.3	64.5	62.3	59.5	55.0											
F	DIST FROM SOURCE: 1757 METERS															
DIST FROM SOURCE: 1757 METERS	59.7	59.8	57.7	54.8	50.8	71.5	72.2	71.1	67.9	62.2	57.2	58.1	59.2	66.0	78.7	
69.2	72.5	73.1	72.0													
G	DIST FROM SOURCE: 2079 METERS															
DIST FROM SOURCE: 2079 METERS	62.6	66.3	69.0	70.2	70.7	68.6	69.0	68.9	66.1	57.1	57.2	57.0	58.0	63.9	77.2	
58.3	57.5	55.7	53.6	50.9												
H	DIST FROM SOURCE: 2273 METERS															
DIST FROM SOURCE: 2273 METERS	56.9	56.6	54.2	50.8	47.1	70.3	69.0	67.6	55.9	58.1	62.9	76.3				
65.6	67.1	70.0														
I	DIST FROM SOURCE: 2377 METERS															
DIST FROM SOURCE: 2377 METERS	57.8	63.2	64.5	64.9	68.0	66.7	65.1	53.8	54.1	59.7	73.9					
54.3	53.3	51.1	47.8													

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 341 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 16 DEC 80 ) ARRAY O6 )  
 LOCATION 02 HT AGL 1.5 M ( DATE: 05 FEB 87 ) )  
 ( ) PAGE F1 )  
 ) IDENTIFICATION: )  
 ) OMEGA 12.2 )  
 ) TEST AA-106-341 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	99.8	105.2	106.7	110.7	115.0	118.0	121.4	124.5	125.8	124.9	121.2	118.6	118.0	116.0	124.9	132.3
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	99.2	104.9	108.4	110.5	115.1	117.2	121.2	125.0	127.0	126.4	122.5	119.6	118.7	115.0	122.1	132.7
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	100.2	105.5	108.9	110.9	114.9	118.7	121.5	123.9	124.3	122.7	119.3	117.2	117.1	116.8	126.5	131.9
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	91.4	97.3	101.0	102.7	107.0	111.9	114.9	117.1	116.6	113.3	107.8	104.9	102.0	99.1	110.2	122.7
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	86.0	92.2	95.7	97.8	101.5	106.5	109.1	110.5	108.5	103.5	97.4	92.5	88.6	88.8	101.6	115.7
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	80.2	85.5	89.9	92.6	95.6	100.3	102.1	101.8	96.3	84.4	76.7	75.3	76.0	77.3	90.9	107.3
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	74.0	80.3	84.2	85.4	88.8	92.7	95.0	94.3	90.0	80.2	70.7	68.6	69.0	70.5	83.8	100.2
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	68.6	72.4	75.9	77.0	80.4	84.0	86.3	83.7	78.3	68.3	61.6	62.4	62.7	63.2	74.4	90.9
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	59.2	59.5	57.5	54.4	50.5	73.5	74.9	73.1	66.5	56.8	58.1	58.4	65.9	79.1	79.1	79.1
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	59.9	63.4	65.7	65.1	68.7	71.0	68.1	66.1	66.1	63.7	63.7	57.7	58.1	76.2	76.2	76.2
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	56.2	56.0	53.7	51.0	47.4	66.1	68.4	65.8	63.7	55.9	57.5	62.1	73.6	73.6	73.6	73.6
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	53.5	53.0	51.0	58.7	61.0	61.7	63.4	65.8	63.1	61.8	54.9	54.0	59.1	71.2	71.2	71.2

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-342

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( NUMBER 342 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 DEC 80 )

MICROPHONE: )  
 ARRAY 05 )

DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.9	108.0	110.9	113.7	118.1	120.3	123.3	126.2	128.0	127.7	124.6	122.8	124.3	122.7	129.0	135.4
	121.5	118.9	116.4	114.9	115.2	114.8	114.1	115.4	113.5	110.4	110.5	104.5	107.7			
	OVERALL SAMPLE DURATION: 34 SEC															
S	DIST FROM SOURCE: 66 METERS															
	100.5	107.8	110.8	113.5	118.2	119.8	123.3	126.8	129.4	129.1	125.5	123.0	124.0	120.7	127.8	135.7
	115.1	107.0	105.6	109.4	112.8	114.2	114.8	116.5	114.5	108.4	108.0	103.5	106.2			
	OVERALL SAMPLE DURATION: 34 SEC															
T	DIST FROM SOURCE: 66 METERS															
	101.2	108.2	111.1	113.8	118.1	120.8	123.3	125.5	125.8	125.4	123.5	122.5	124.7	124.0	130.0	135.1
	124.0	121.8	119.2	117.1	116.7	115.3	113.3	114.1	112.1	111.8	112.0	105.3	108.8			
	OVERALL SAMPLE DURATION: 34 SEC															
A	DIST FROM SOURCE: 134 METERS															
	92.8	100.6	103.6	105.8	109.8	114.2	116.5	117.9	117.6	112.2	101.0	98.8	104.3	106.0	117.9	124.5
	107.1	108.2	109.0	109.6	109.2	107.1	101.9	103.0	101.1	98.8	97.2	96.3	93.3			
	OVERALL SAMPLE DURATION: 34 SEC															
B	DIST FROM SOURCE: 238 METERS															
	89.7	97.1	100.7	102.8	106.4	110.9	112.4	112.2	108.9	96.1	81.6	87.8	93.6	99.2	113.3	119.1
	101.6	104.5	105.9	106.2	104.6	101.0	98.6	98.4	93.4	91.4	89.7	87.2	83.8			
	OVERALL SAMPLE DURATION: 34 SEC															
C	DIST FROM SOURCE: 431 METERS															
	84.8	92.4	96.7	98.8	102.7	106.6	106.1	100.3	87.4	75.7	73.2	80.2	84.9	87.0	104.5	112.0
	93.1	97.8	99.5	97.1	91.5	91.4	90.4	86.3	80.9	77.4	72.5					
	OVERALL SAMPLE DURATION: 34 SEC															
D	DIST FROM SOURCE: 753 METERS															
	79.2	86.9	91.4	94.4	98.5	102.5	101.9	97.4	85.2	72.3	64.7	70.4	78.3	84.8	94.3	107.3
	89.5	90.7	84.6	81.4	71.2	72.6										
	OVERALL SAMPLE DURATION: 35 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	75.3	72.3	64.4	62.1	62.2										79.9	100.1
	OVERALL SAMPLE DURATION: 36 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	70.9	78.6	83.2	85.4	87.2	85.8	81.9	75.9	67.5							
	OVERALL SAMPLE DURATION: 34 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	60.9	61.1	64.2	65.3											66.3	88.2
	OVERALL SAMPLE DURATION: 60.0 58.5 60.0 60.3 64.1 66.3 88.2															



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-344  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 344 ) MICROPHONE: ARRAY 05  
 SOUND SOURCE: C-135A ( DATE 17 DEC 80 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 05 FEB 87 )  
 ( ( ( ( PAGE F1 ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	100.9	107.1	110.5	113.7	117.0	120.0	123.9	126.1	128.2	127.9	124.8	123.0	124.4	123.0	129.0	135.5
	121.4	117.9	114.6	114.2	115.3	115.1	114.7	115.6	113.3	110.4	110.2	104.1	106.4			
S DIST FROM SOURCE: 66 METERS																
	100.5	106.9	110.4	113.7	117.0	119.4	123.9	126.7	129.6	129.5	125.8	123.7	124.3	121.9	128.5	136.0
	115.0	107.3	106.8	110.4	114.3	115.7	116.0	117.2	114.7	109.9	109.2	103.8	104.7			
T DIST FROM SOURCE: 66 METERS																
	101.1	107.4	110.6	113.8	117.7	120.4	123.9	125.3	126.0	125.4	123.5	122.2	124.5	123.8	129.4	134.9
	123.8	120.8	117.2	116.2	116.2	114.4	112.9	113.2	111.3	110.8	110.9	104.3	107.6			
A DIST FROM SOURCE: 134 METERS																
	92.9	99.7	103.1	105.8	109.3	113.8	117.1	117.8	117.7	112.3	100.5	98.0	103.3	105.3	117.3	124.4
	107.3	109.2	110.0	109.6	106.2	102.0	103.1	102.1	97.7	98.3	95.3	94.2	90.7			
B DIST FROM SOURCE: 238 METERS																
	89.3	96.1	100.1	102.6	105.7	110.4	112.8	112.1	109.1	97.1	82.2	87.3	92.9	97.5	111.6	118.8
	99.8	103.5	105.1	104.9	101.0	96.3	98.2	95.4	89.2	86.9	82.3	79.2				
C DIST FROM SOURCE: 431 METERS																
	84.7	91.2	96.1	98.6	101.9	105.8	106.2	100.7	87.3	76.2	70.5	74.7	81.8	85.0	101.6	111.3
	89.5	93.6	96.6	95.8	88.5	83.7	83.9	81.2	73.2	69.7						
D DIST FROM SOURCE: 753 METERS																
	79.6	86.0	91.0	94.4	98.0	102.1	102.0	96.9	86.1	72.5	66.5	71.5	73.5		89.2	106.9
	76.4	82.3	81.6	74.9	67.4	71.3										
E DIST FROM SOURCE: 1255 METERS																
	77.4	83.0	88.6	91.3	94.1	95.6	91.1	83.3	75.2	63.9	58.9	60.4	66.1	72.8	83.8	100.1
	78.0	78.9	76.8	70.1	67.8	61.9	59.8									
F DIST FROM SOURCE: 1757 METERS																
	72.7	79.5	84.2	86.5	88.5	87.8	84.3	78.7	68.0	61.0	56.3	60.5	63.9	65.1	76.2	93.8
	70.5	71.8	67.4	61.9	58.3	48.8										
G DIST FROM SOURCE: 2087 METERS																
	70.6	76.8	82.3	85.4	85.4	83.6	77.6	68.8	66.0	58.5	58.4	64.3	65.8	68.1	76.8	91.0
	72.4	72.4	70.9	57.5	53.8	49.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-345  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 345 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 DEC 80 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	100.7	106.5	110.4	113.3	117.8	120.1	123.4	126.2	129.1	129.0	124.9	122.9	124.6	123.0	129.1	135.5
	121.3	118.1	114.0	114.7	115.8	115.5	115.1	115.8	113.6	110.6	110.4	104.4	106.9			
S	DIST FROM SOURCE: 66 METERS															
	100.6	106.4	110.3	113.2	117.8	119.6	123.4	126.9	129.5	129.6	126.0	123.6	124.5	122.1	128.7	136.1
	115.8	107.6	107.2	111.1	115.0	116.2	116.4	117.3	115.1	110.1	109.4	104.2	105.8			
T	DIST FROM SOURCE: 66 METERS															
	100.9	106.6	110.6	113.4	117.8	120.6	123.3	125.4	129.9	125.3	123.5	122.1	124.8	123.9	129.5	134.8
	123.6	120.9	117.4	116.6	116.4	114.6	113.3	113.4	111.5	111.1	111.1	104.6	107.9			
A	DIST FROM SOURCE: 134 METERS															
	93.0	99.1	103.0	105.4	109.4	114.1	116.7	118.0	117.5	112.1	99.9	97.4	103.1	105.7	117.9	124.5
	108.4	110.7	111.0	108.7	102.3	106.4	104.9	101.3	101.2	98.6	95.9	94.8	91.5			
B	DIST FROM SOURCE: 238 METERS															
	89.4	95.6	100.1	102.3	105.9	110.8	112.5	112.3	108.7	96.3	82.5	88.7	94.6	98.7	111.5	118.7
	100.7	104.4	105.9	103.6	96.1	98.6	97.9	91.4	88.0	84.9	80.2	78.7				
C	DIST FROM SOURCE: 431 METERS															
	85.0	90.8	95.9	98.2	102.0	106.0	105.6	100.3	86.6	75.7	71.1	73.5	80.7	85.7	101.6	111.1
	91.7	96.3	97.3	91.8	85.1	85.2	85.7	78.9	72.3	70.2						
D	DIST FROM SOURCE: 753 METERS															
	79.4	85.1	90.8	93.9	97.8	102.2	101.5	97.1	85.5	73.2	67.7	69.6	73.8	90.9	106.7	
	79.4	85.8	85.7	69.9	69.8	70.7										
E	DIST FROM SOURCE: 1255 METERS															
	77.5	83.3	88.1	90.5	93.7	95.4	90.7	83.0	75.5	63.4	59.5	65.0	69.4	73.4	84.0	99.3
	77.9	79.9	77.0	68.9	66.7	63.9	60.7									
F	DIST FROM SOURCE: 1757 METERS															
	71.5	77.6	83.1	85.2	87.9	87.0	84.1	78.7	68.1	58.8	55.0	61.6	67.1	72.6	83.2	93.3
	78.0	80.8	76.1	65.4	59.2	55.2										
G	DIST FROM SOURCE: 2087 METERS															
	69.6	75.4	81.2	84.5	84.1	77.9	65.1	58.0	57.7	63.4	65.4	68.6	74.1	89.2		
	71.0	68.6	65.8	52.7												



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-346

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( NUMBER 346 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 DEC 80 )

MICROPHONE: )  
 ARRAY 05 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.4	107.5	110.2	113.2	117.7	120.0	123.5	126.2	128.0	128.1	124.9	123.3	124.7	123.1	129.1	135.6
	121.3	118.0	115.0	114.6	115.4	115.2	114.8	115.8	113.9	111.0	110.4	104.4	107.2			
S	DIST FROM SOURCE: 66 METERS															
	100.1	107.2	110.1	113.2	117.8	119.5	123.6	126.9	129.5	129.7	125.9	123.9	124.7	122.2	128.7	136.1
	116.2	108.3	106.9	110.6	114.2	115.7	115.9	117.3	115.5	111.0	109.2	104.2	106.7			
T	DIST FROM SOURCE: 66 METERS															
	100.7	107.7	110.4	113.3	117.7	120.5	123.5	125.4	125.8	125.4	123.5	122.5	124.7	123.8	129.5	134.9
	123.6	120.7	117.6	116.6	116.2	114.6	113.3	113.4	111.5	111.1	111.3	104.6	107.7			
A	DIST FROM SOURCE: 134 METERS															
	92.6	100.1	102.8	105.4	109.4	114.0	116.9	118.1	117.6	112.0	99.6	98.1	103.2	105.5	117.1	124.4
	107.7	110.1	110.6	107.9	101.6	104.9	102.8	99.6	98.6	97.3	94.5	93.3	90.2			
B	DIST FROM SOURCE: 238 METERS															
	88.9	96.4	99.8	102.3	105.8	110.7	112.7	112.3	108.7	96.2	83.0	87.4	92.6	97.8	110.8	118.7
	100.4	104.1	105.1	101.9	94.3	100.1	97.1	91.7	88.5	85.1	80.6	78.7				
C	DIST FROM SOURCE: 431 METERS															
	84.1	91.5	95.5	99.0	101.8	106.0	106.0	100.4	86.7	74.6	71.5	78.3	84.4	87.3	102.5	111.3
	92.6	97.2	98.1	90.9	86.0	90.3	87.0	78.9	73.7	69.6						
D	DIST FROM SOURCE: 753 METERS															
	78.3	85.6	90.2	93.4	97.4	101.8	101.7	96.9	85.6	72.6	69.6	74.7	77.7			
	81.5	87.0	86.1	72.1	71.1	70.1	66.3									
E	DIST FROM SOURCE: 1255 METERS															
	75.4	82.0	86.6	89.6	93.2	95.2	90.7	82.7	75.5	61.6	58.2	63.7	70.2	78.0	86.9	99.5
	84.4	82.9	71.5	71.0	74.2	64.6	59.7									
F	DIST FROM SOURCE: 1757 METERS															
	70.1	76.9	81.4	83.4	85.6	83.3	79.9	69.3								
	72.9	76.6	73.5	64.8	59.3	53.3										
G	DIST FROM SOURCE: 2087 METERS															
	68.1	74.8	79.4	82.9	81.8	75.0	66.9	58.6	56.5	63.6	70.1	71.1				
	73.9	70.2	64.3	54.1												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 354 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 17 DEC 80 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ( ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-354 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSBPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	98.8	105.0	108.6	111.2	115.1	117.7	121.0	123.8	125.6	124.6	122.4	121.1	123.4	122.6	128.9	133.8
	121.5	119.9	119.1	118.0	116.2	113.8	112.4	113.3	112.0	110.7	111.1	105.4	107.0			
S	DIST FROM SOURCE: 66 METERS															
	98.8	104.6	108.2	110.8	114.9	116.6	120.4	123.7	126.2	125.2	122.2	119.4	121.6	119.7	124.0	132.5
	115.7	112.1	107.7	103.1	103.7	103.1	101.6	102.5	102.0	99.5	100.4	95.6	96.7			
T	DIST FROM SOURCE: 66 METERS															
	98.8	105.4	108.9	111.6	115.3	118.7	121.5	123.9	124.8	123.9	122.7	122.3	124.7	124.4	131.1	134.8
	123.9	122.5	122.0	120.9	119.1	116.6	115.3	116.2	114.8	113.5	114.0	108.2	109.8			
A	DIST FROM SOURCE: 134 METERS															
	90.5	97.6	101.3	103.3	106.3	111.2	113.8	115.1	115.8	112.3	107.8	104.3	100.9	98.0	109.5	121.7
	97.2	96.6	95.8	95.1	93.9	93.0	91.1	89.9	87.7	86.4	83.0					
B	DIST FROM SOURCE: 238 METERS															
	86.5	93.3	97.3	98.8	101.1	105.9	107.7	108.1	107.4	102.2	96.8	91.4	86.6	86.3	99.7	114.3
	85.4	85.7	84.6	83.8	82.6	81.6	78.4	76.7								
C	DIST FROM SOURCE: 431 METERS															
	80.1	86.5	90.7	91.5	93.4	96.7	97.0	96.3	92.9	85.9	80.4	75.9	76.4	77.1	87.9	103.4
	78.1	77.7	76.6	75.1	73.6	71.2	67.3	63.1								
D	DIST FROM SOURCE: 753 METERS															
	69.8	69.4	68.3	66.3	63.0	58.7	67.2	67.7	66.5	61.9	67.9	69.1	70.2	70.1	78.4	93.7
	78.4	81.5	82.1	83.8	87.2	87.2	87.7	86.5	81.9	71.8	67.9	69.1	70.2	70.1	78.4	93.7
E	DIST FROM SOURCE: 1255 METERS															
	71.7	74.6	73.0	72.7	74.2	75.6	75.0	72.9	69.2	65.2	67.2	67.5	67.6	73.2	83.6	
	67.3	66.5	64.0	60.7	55.7	49.2										
G	DIST FROM SOURCE: 2087 METERS															
	60.9	58.6	54.8	49.5	43.8	68.7	68.7	68.7	66.6	61.5	58.7	60.8	61.6	61.9	66.1	75.7
	65.5	65.4														
I	DIST FROM SOURCE: 2377 METERS															
	61.9	63.2	66.2	69.7	71.0	70.6	68.2	64.2	60.8	62.1	63.1	62.6	67.1	76.9		
	61.3	60.1	55.1	48.3												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-355

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 355 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 17 DEC 80 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS		
	100.3	105.7	109.3	111.7	115.8	118.7	121.4	123.9	125.2	125.0	122.8	121.2	123.3	122.8	129.2	133.9
	121.6	119.8	119.2	118.5	117.1	114.8	113.4	114.2	112.6	111.5	112.0					
S	OVERALL SAMPLE DURATION: 34 SEC															
	DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS		
	100.2	105.1	108.8	111.2	115.4	117.3	120.6	123.5	125.6	125.4	122.0	119.1	120.4	118.7	123.0	132.1
	114.4	110.5	106.0	99.9	99.5	98.5	96.1	96.8	96.0	93.7	95.1					
T	OVERALL SAMPLE DURATION: 34 SEC															
	DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS		
	100.4	106.1	109.7	112.2	116.1	119.8	122.1	124.2	124.9	124.6	123.4	122.6	125.1	124.9	131.7	135.2
	124.2	122.5	122.1	121.5	120.1	117.7	116.4	117.2	115.5	114.4	115.0	109.0	111.0			
A	OVERALL SAMPLE DURATION: 36 SEC															
	DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS		
	91.9	98.2	101.8	103.5	106.8	111.9	113.7	114.9	115.1	112.3	108.1	104.5	101.4	97.3	108.8	121.5
	95.6	95.0	94.0	92.4	90.7	89.4	87.2	85.7	83.0	81.6						
B	OVERALL SAMPLE DURATION: 34 SEC															
	DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS		
	87.8	93.8	97.9	99.3	102.1	107.1	108.2	108.6	107.6	103.1	98.2	92.8	89.2	88.6	100.4	115.0
	86.5	86.4	85.7	84.3	82.6	81.6	78.4									
C	OVERALL SAMPLE DURATION: 34 SEC															
	DIST FROM SOURCE:	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS		
	80.7	86.4	90.8	91.7	94.3	98.4	98.4	97.6	94.2	88.3	82.2	77.4	77.7	77.4	88.6	104.7
	78.1	77.3	76.0	74.5	72.5	70.4	66.8	62.5								
D	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS		
	71.6	71.0	69.4	67.0	63.5	59.1										
E	OVERALL SAMPLE DURATION: 34 SEC															
	DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS		
	64.9	63.7	60.9	57.5	52.5	46.8										
G	OVERALL SAMPLE DURATION: 34 SEC															
	DIST FROM SOURCE:	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS		
	60.4	56.4	52.0	48.1												
I	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS		
	65.3	67.2	69.1													
	60.6	57.0	50.8													

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 356 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 17 DEC 80 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-356 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.2	105.1	108.1	111.0	115.0	118.1	121.1	123.7	125.1	124.8	122.5	120.8	123.3	122.6	128.9	133.7
	121.5	119.7	119.2	118.1	116.6	114.2	112.8	113.7	112.2	111.0	111.4					
S	DIST FROM SOURCE: 66 METERS															
	99.2	104.6	107.6	110.6	114.8	116.8	120.5	123.6	125.7	125.4	122.1	119.2	121.1	119.4	123.5	132.3
	115.4	111.5	107.2	101.6	101.0	101.2	99.5	100.1	99.3	96.6	97.3					
T	DIST FROM SOURCE: 66 METERS															
	99.3	105.5	108.5	111.4	115.1	119.0	121.6	123.8	124.4	124.1	122.9	122.0	124.7	124.5	131.3	134.8
	124.0	122.4	122.1	121.1	119.5	117.1	115.7	116.6	115.1	113.9	114.3	108.8	110.4			
A	DIST FROM SOURCE: 134 METERS															
	91.0	97.7	100.7	103.0	106.2	111.4	113.8	115.1	115.4	112.6	108.4	104.8	102.0	98.9	109.5	121.6
	97.9	97.0	95.5	94.4	92.4	91.7	89.4	87.7	87.4	85.2						
B	DIST FROM SOURCE: 238 METERS															
	86.7	93.0	96.4	98.1	100.5	105.4	107.1	107.6	106.4	101.9	96.6	90.8	86.9	86.1	99.1	113.7
	84.4	84.5	84.2	83.2	81.6	80.4	77.1									
C	DIST FROM SOURCE: 431 METERS															
	80.4	86.5	90.4	91.8	93.8	97.2	97.5	96.7	92.8	87.3	81.9	76.7	78.1	78.3	88.5	103.8
	79.2	78.5	77.0	75.6	73.8	71.7	67.9	63.8								
D	DIST FROM SOURCE: 753 METERS															
	74.6	77.7	80.1	80.9	82.7	86.3	86.4	83.9	78.8	72.1	68.0	69.9	70.9	70.8	78.0	92.2
	70.5	70.0	68.9	66.1	63.1	58.7										
E	DIST FROM SOURCE: 1255 METERS															
	71.7	72.8	73.4	73.2	74.6	73.8	72.9	71.2	68.0	65.0	66.0	66.6	66.0		71.7	81.8
	65.8	65.1	62.4	58.8	53.5	47.5										
G	DIST FROM SOURCE: 2087 METERS															
	57.7	55.2	51.1	46.9											63.3	71.6
I	DIST FROM SOURCE: 2377 METERS															
	57.1	55.4	50.1												63.6	72.4

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 357 ) ARRAY OS ) OMEGA 12.2  
 LOCATION D1 MT AGL 1.5 M ( DATE 17 DEC 80 ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.4	105.4	108.4	111.3	114.7	118.0	120.9	123.6	125.0	124.7	122.5	120.9	123.9	122.8	129.1	133.7
	121.7	120.0	119.4	118.5	116.8	114.4	113.0	113.8	112.3	111.3	111.6	107.6				
S	DIST FROM SOURCE: 66 METERS															
	99.2	104.9	108.0	110.8	114.5	116.6	120.2	123.4	125.6	125.2	122.0	119.0	121.1	119.4	123.5	132.1
	115.3	111.5	107.0	101.8	102.0	101.2	99.5	100.3	99.3	96.8	97.6	95.1				
T	DIST FROM SOURCE: 66 METERS															
	99.6	105.9	108.8	111.8	115.0	119.0	121.6	123.8	124.5	124.1	123.0	122.3	124.8	124.7	131.5	134.9
	124.1	122.7	122.3	121.4	119.8	117.3	115.9	116.7	115.2	114.2	114.6	108.8	110.5			
A	DIST FROM SOURCE: 134 METERS															
	91.1	98.0	101.2	103.4	106.0	111.4	113.6	114.8	115.0	112.2	107.7	103.8	100.3	96.3	108.7	121.3
	95.3	95.1	94.3	93.2	91.8	91.0	88.9	87.3	85.3	84.8						
B	DIST FROM SOURCE: 238 METERS															
	86.7	93.6	97.0	98.8	100.7	106.1	107.3	107.7	106.4	101.7	95.9	89.7	83.9	83.1	98.6	113.9
	82.5	82.9	82.2	81.2	79.5	78.3										
C	DIST FROM SOURCE: 431 METERS															
	81.5	87.7	91.7	92.8	94.4	98.4	98.7	97.7	96.9	80.8	76.5	76.9	77.0			
	78.0	77.5	76.6	74.7	72.8	70.5	66.5	62.2								
D	DIST FROM SOURCE: 753 METERS															
	79.5	82.9	83.8	85.1	89.0	88.5	87.5	82.1	73.2	70.1	71.2	71.5	71.0			
	70.6	70.0	68.3	65.7	62.5	58.0										
E	DIST FROM SOURCE: 1255 METERS															
	73.2	74.7	74.8	75.2	74.6	73.9	74.2	72.7	70.2	67.3	68.5	68.0	66.8			
	65.7	64.1	61.4	57.6	52.8											
G	DIST FROM SOURCE: 2087 METERS															
	68.8	67.5	66.3	64.7	62.6	60.6	60.7	61.1	60.0							
	58.9	56.2	52.1													
I	DIST FROM SOURCE: 2377 METERS															
	62.8	65.2	65.8	68.5	70.3	69.3	68.3	65.5	63.1	61.0	60.8	61.3	60.0			
	58.0	56.2	51.2													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-358  
 DATE 05 FEB 67  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 358)  
 SOUND SOURCE: C-135A (DATE 17 DEC 60)  
 LOCATION 01 HT AGL 1.5 M (

MICROPHONE: ARRAY 05

MICROPHONE LOCATION	25	31.5	40	50	60	80	100	125	160	200	250	315	400	500	9L (DBA)	0ASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		128.7	133.6
DIST FROM SOURCE: 66 METERS																
OVERALL SAMPLE DURATION: 35 SEC																
99.0 105.1 108.3 111.2 115.0 118.0 121.1 123.9 125.2 124.8 122.4 120.8 123.2 122.4 121.3 119.5 118.9 117.6 116.1 113.7 112.4 113.4 111.9 110.6 111.1 105.4 107.0																
S	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS																
OVERALL SAMPLE DURATION: 35 SEC																
98.8 104.5 107.8 110.7 114.8 116.6 120.4 123.6 125.7 125.4 121.9 119.2 121.0 119.2 115.0 111.1 106.5 101.6 102.3 101.9 100.6 101.7 100.8 98.4 98.9 95.2 96.4																
T	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 66 METERS																
OVERALL SAMPLE DURATION: 34 SEC																
99.1 105.7 108.8 111.7 115.3 119.0 121.8 124.1 124.7 124.2 122.8 122.0 124.6 124.2 123.7 122.2 121.8 120.8 119.0 116.6 115.3 116.2 114.7 113.5 113.9 108.1 109.8																
A	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 134 METERS																
OVERALL SAMPLE DURATION: 35 SEC																
90.6 97.2 100.7 102.8 105.8 110.8 113.1 114.5 114.8 111.9 107.3 103.5 100.2 96.0 94.1 93.2 92.1 91.2 90.0 89.2 87.2 85.8 83.9 82.9																
B	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 238 METERS																
OVERALL SAMPLE DURATION: 35 SEC																
85.8 92.1 95.7 97.2 99.1 103.8 105.0 105.4 104.0 99.5 93.8 87.6 82.3 82.5 80.9 81.0 80.0 78.7 77.4 76.2																
C	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 431 METERS																
OVERALL SAMPLE DURATION: 34 SEC																
78.5 83.8 87.8 88.2 89.1 92.4 92.5 91.4 87.4 80.5 75.5 72.7 73.3 73.7 74.5 74.0 72.7 71.1 68.9 66.7 62.4																
D	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 753 METERS																
OVERALL SAMPLE DURATION: 35 SEC																
67.5 67.1 65.5 59.5 55.1 75.2 67.1 68.1 68.0																
E	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 1255 METERS																
OVERALL SAMPLE DURATION: 34 SEC																
64.4 63.1 60.3 57.1 52.0 46.1 71.2 71.0 66.9 63.9 65.4 65.9 65.3																
G	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 2087 METERS																
OVERALL SAMPLE DURATION: 34 SEC																
59.6 58.2 54.6 70.9 65.6 66.5 63.2 58.8 56.4 59.1 60.8 61.0 64.9 74.3																
I	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 2377 METERS																
OVERALL SAMPLE DURATION: 34 SEC																
59.0 57.7 54.0 49.9 72.1 67.0 68.7 64.0 61.0 57.9 59.2 59.9 59.6 64.5 75.4																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
OMEGA 12.2  
TEST AA-105-359

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
SOUND SOURCE: C-135A ( NUMBER 359 ) ARRAY 05 )  
LOCATION 01 HT AGL 1.5 M ( DATE 17 DEC 80 ) )  
PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS																
	99.8	105.2	109.1	111.4	115.4	118.3	121.3	123.9	125.7	125.0	122.3	120.8	123.1	122.3	128.8	133.8
	121.4	119.4	119.0	118.1	116.4	114.0	112.7	113.4	111.8	110.7	111.1					
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
S	DIST FROM SOURCE: 66 METERS															
	99.5	104.6	108.6	110.9	115.1	116.9	120.5	123.6	126.1	125.4	121.7	118.7	120.5	118.5	123.0	132.2
	114.2	110.4	106.3	100.7	100.6	99.6	97.6	98.3	96.9	94.8	95.5					
T	DIST FROM SOURCE: 66 METERS															
	100.1	105.8	109.6	111.9	115.7	119.4	122.0	124.2	125.1	124.5	122.9	122.2	124.7	124.3	131.2	134.9
	124.0	122.2	121.9	121.1	119.4	116.9	115.6	116.4	114.7	113.6	114.1	108.4	110.2			
A	DIST FROM SOURCE: 134 METERS															
	91.6	97.9	102.0	103.5	106.7	111.7	114.0	115.3	115.9	112.6	108.0	104.8	101.8	98.1	109.2	121.8
	96.2	95.0	93.9	93.0	91.4	90.3	88.0	86.4	83.5	82.2						
B	DIST FROM SOURCE: 238 METERS															
	87.2	93.4	97.8	99.0	101.7	106.5	108.5	107.8	102.9	97.3	92.3	87.9	87.1		100.1	114.8
	85.4	85.2	84.6	83.7	81.9	80.4	76.8									
C	DIST FROM SOURCE: 431 METERS															
	80.5	86.4	90.9	91.3	93.2	96.2	96.2	95.0	91.5	85.4	79.8	76.1	76.2	76.8	86.9	102.8
	77.4	76.5	75.8	74.2	72.1	70.0	66.2	61.8								
D	DIST FROM SOURCE: 753 METERS															
	78.1	81.7	80.3	81.0	84.2	83.2	80.1	77.1	71.0	68.0	69.6	70.2	70.1		76.6	90.1
	69.5	69.4	67.8	64.8	62.1	57.8										
E	DIST FROM SOURCE: 1255 METERS															
	64.3	63.5	60.7	57.7	52.6	47.2									70.7	82.0
	76.0	75.3														
G	DIST FROM SOURCE: 2087 METERS															
	59.0	57.2	54.7	50.1		69.6									64.5	73.6
	71.8															
I	DIST FROM SOURCE: 2377 METERS															
	59.2	57.8	54.1	49.5	44.3										64.9	75.7
	68.8	64.3	60.4	57.7	60.0	61.2	60.3									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-360

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 360 ) ARRAY 06  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 DEC 80 )  
 ( ) ( ) ( ) ( ) ( ) ( )  
 ( ) ( ) ( ) ( ) ( ) ( )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.6	104.3	107.9	110.6	115.8	118.2	121.8	126.8	125.5	121.0	115.9	115.1	114.4		123.9	132.5
	113.5	113.0	113.0	112.5	110.9	109.6	109.1	109.5	106.7	104.5	103.9	99.0	99.4			
S	DIST FROM SOURCE: 75 METERS															
	98.4	104.1	107.8	110.6	116.1	117.7	122.0	126.0	128.4	127.5	123.2	118.2	115.9	110.2	123.0	133.6
	103.7	99.7	99.6	101.1	105.9	108.0	108.5	109.3	105.5	102.4	100.6	96.5	96.7			
T	DIST FROM SOURCE: 75 METERS															
	98.9	104.5	108.0	110.7	115.4	118.6	121.7	123.8	124.2	121.6	116.2	110.9	114.2	116.5	124.7	131.0
	116.3	115.9	115.4	113.2	110.8	109.7	109.7	107.6	105.8	105.8	100.6	101.1				
A	DIST FROM SOURCE: 134 METERS															
	95.3	99.3	102.5	104.7	109.6	113.6	117.7	120.1	119.7	115.5	106.6	99.2	101.8	102.4	116.2	125.6
	103.8	106.9	107.5	106.7	105.5	103.2	102.0	101.1	96.9	94.7	94.1	90.9	88.0			
B	DIST FROM SOURCE: 238 METERS															
	94.4	94.4	97.8	100.8	104.5	109.0	112.0	113.3	111.3	103.7	90.4	86.9	91.4	96.8	110.7	118.8
	99.8	102.8	104.2	103.2	100.6	98.2	94.3	93.7								
C	DIST FROM SOURCE: 423 METERS															
	83.5	88.7	93.3	97.1	100.2	104.8	105.9	103.4	93.0	83.6	78.9	81.7	84.8	87.6	100.6	110.9
	91.0	93.6	93.5	91.6	91.5	88.5	83.4	78.4								
E	DIST FROM SOURCE: 1255 METERS															
	75.1	81.7	86.7	89.0	92.0	95.5	95.1	91.6	82.0	72.1	66.1	68.3	70.5	72.3	83.2	100.6
	73.7	75.0	73.7	70.8	66.2	59.8										
F	DIST FROM SOURCE: 1757 METERS															
	71.5	77.4	82.2	84.9	87.4	90.2	88.3	83.4	73.0	61.7	55.9	59.2	71.2		79.0	95.0
	73.2	73.6	70.6	64.6	55.9	47.2										
G	DIST FROM SOURCE: 2079 METERS															
	70.0	76.7	81.4	83.2	85.8	87.2	84.1	78.5	72.8	63.9	62.2	64.6	68.4	70.1	75.7	92.3
	70.5	69.1	65.5	59.2	49.8	41.2										
H	DIST FROM SOURCE: 2273 METERS															
	69.1	75.9	80.2	82.3	85.1	86.1	83.0	76.8	71.0	62.9	60.5	64.2	67.8	71.4	75.4	91.3
	70.2	69.4	65.1	58.2												
I	DIST FROM SOURCE: 2377 METERS															
	67.1	74.0	78.2	80.2	82.9	84.3	81.5	74.6	68.3	60.9	59.3	61.8	65.5	67.1	72.5	89.3
	67.1	66.1	61.7	55.5	44.9											



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-361

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: 06  
 SOUND SOURCE: C-135A ( NUMBER 361 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 DEC 80 )  
 ( ( DATE 05 FEB 87 )  
 ( ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)											
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																										
	DIST FROM SOURCE: 75 METERS																										
	98.1	104.2	110.4	115.7	118.0	121.7	124.8	126.9	125.4	120.7	116.4	115.0	114.0	113.1	112.8	112.6	110.9	109.1	108.8	109.9	107.4	105.0	104.0	99.3	99.7		
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										
S	DIST FROM SOURCE: 75 METERS																										
	OVERALL SAMPLE DURATION: 34 SEC																										
	97.9	104.0	108.1	110.4	116.0	117.6	121.7	125.7	128.5	127.4	122.8	118.7	116.0	111.3	104.6	100.2	100.0	99.8	104.5	106.6	108.0	110.3	107.6	104.3	101.4	97.6	97.0
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										
T	DIST FROM SOURCE: 75 METERS																										
	OVERALL SAMPLE DURATION: 34 SEC																										
	98.3	104.4	108.3	110.5	115.3	118.4	121.6	123.6	124.5	121.7	116.2	111.7	113.5	115.6	115.8	115.7	115.5	113.4	110.7	109.4	109.5	107.1	105.6	105.6	100.5	101.3	
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										
A	DIST FROM SOURCE: 134 METERS																										
	OVERALL SAMPLE DURATION: 35 SEC																										
	94.3	99.2	102.8	104.6	109.7	113.6	117.8	119.9	119.7	115.4	107.0	99.2	101.3	101.3	102.1	105.1	106.2	106.6	107.2	104.0	100.3	101.4	97.3	95.5	94.7	91.4	88.4
	OVERALL SAMPLE DURATION: 35 SEC																										
	OVERALL DURATION: 35 SEC																										
B	DIST FROM SOURCE: 238 METERS																										
	OVERALL SAMPLE DURATION: 34 SEC																										
	86.4	93.8	97.9	100.4	104.6	109.1	112.0	113.2	111.5	104.0	91.7	89.0	92.7	97.3	99.5	102.5	102.5	101.3	98.5	95.5	93.4	88.7	87.9				
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										
C	DIST FROM SOURCE: 423 METERS																										
	OVERALL SAMPLE DURATION: 35 SEC																										
	82.6	88.8	93.6	96.8	100.0	104.2	104.6	101.2	93.3	84.1	79.1	83.5	87.1	90.3	92.6	93.9	93.0	90.5	87.3	83.6	79.4						
	OVERALL SAMPLE DURATION: 35 SEC																										
	OVERALL DURATION: 35 SEC																										
E	DIST FROM SOURCE: 1255 METERS																										
	OVERALL SAMPLE DURATION: 32 SEC																										
	74.0	81.5	86.4	89.0	92.4	95.1	95.0	91.6	83.6	75.1	68.8	71.6	73.6	75.9	77.5	78.2	76.7	73.4	69.1	62.2							
	OVERALL SAMPLE DURATION: 32 SEC																										
	OVERALL DURATION: 32 SEC																										
F	DIST FROM SOURCE: 1757 METERS																										
	OVERALL SAMPLE DURATION: 35 SEC																										
	71.5	77.9	83.0	85.2	88.2	90.7	89.1	84.9	76.0	66.7	64.0	68.2	71.2	74.4	76.9	77.4	74.6	68.9	60.1	50.4							
	OVERALL SAMPLE DURATION: 35 SEC																										
	OVERALL DURATION: 35 SEC																										
G	DIST FROM SOURCE: 2079 METERS																										
	OVERALL SAMPLE DURATION: 34 SEC																										
	70.8	77.6	82.5	84.6	87.3	88.4	85.1	80.5	75.9	69.1	66.7	69.1	73.7	76.8	77.5	74.5	71.1	64.1	53.9	44.2							
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										
H	DIST FROM SOURCE: 2273 METERS																										
	OVERALL SAMPLE DURATION: 34 SEC																										
	70.2	76.8	80.9	83.2	86.0	87.1	84.2	78.7	73.2	65.8	61.9	67.4	71.5	74.7	74.2	73.8	69.0	61.2	50.4								
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										
I	DIST FROM SOURCE: 2377 METERS																										
	OVERALL SAMPLE DURATION: 34 SEC																										
	67.8	74.5	78.9	81.3	84.3	85.3	82.5	76.5	70.8	63.6	61.1	65.0	70.4	72.4	72.0	70.7	65.9	58.2	47.0								
	OVERALL SAMPLE DURATION: 34 SEC																										
	OVERALL DURATION: 34 SEC																										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 362 ) ARRAY 06 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 DEC 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-106-362 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	97.8	103.9	107.7	110.6	115.6	117.8	121.6	124.4	126.7	125.4	120.9	115.9	114.8	113.9	123.7	132.3
	113.2	113.0	113.0	112.5	110.6	109.2	108.9	109.5	106.4	104.5	103.7	98.8	99.4			
S	DIST FROM SOURCE: 75 METERS															
	97.5	103.7	107.6	110.6	115.9	117.4	121.8	125.4	128.3	127.4	123.1	118.2	115.7	110.1	122.8	133.4
	103.4	99.7	99.6	100.0	105.1	107.1	108.2	109.3	105.5	102.7	100.2	96.5	96.5			
T	DIST FROM SOURCE: 75 METERS															
	98.0	104.1	107.8	110.6	115.2	118.2	121.5	123.2	124.2	121.6	116.3	110.7	113.7	115.9	124.5	130.8
	115.9	115.9	115.4	113.0	110.7	109.4	109.6	107.2	105.7	105.7	100.3	101.1				
A	DIST FROM SOURCE: 134 METERS															
	94.3	98.9	102.5	104.9	109.7	113.7	118.0	119.8	119.6	115.4	106.4	98.8	101.2	100.9	115.3	125.4
	102.2	105.4	106.1	105.6	104.8	101.2	100.1	100.1	95.7	93.8	93.1	89.6	86.6			
B	DIST FROM SOURCE: 238 METERS															
	90.0	94.7	98.1	101.4	105.2	109.8	112.9	113.7	111.6	102.8	88.1	86.7	92.2	96.5	110.0	119.2
	98.8	102.2	103.9	102.0	97.8	97.6	94.6									
C	DIST FROM SOURCE: 423 METERS															
	83.4	88.7	93.7	98.2	100.9	105.2	104.9	99.0	91.6	82.3	78.2	82.3	86.8	91.6	102.0	110.6
	95.5	97.8	95.5	91.0	88.6	85.7	81.0	77.4								
E	DIST FROM SOURCE: 1255 METERS															
	75.2	83.2	88.3	91.6	94.5	96.2	94.2	86.7	84.4	75.0	67.4	69.3	73.1	76.1	84.9	101.2
	77.4	78.4	77.4	74.2	68.8	61.7										
F	DIST FROM SOURCE: 1757 METERS															
	70.9	79.0	84.1	87.1	88.8	89.7	84.9	84.2	78.7	69.6	65.0	68.1	71.5	73.8	80.7	95.3
	74.1	76.0	73.1	67.8	60.7	51.0										
G	DIST FROM SOURCE: 2079 METERS															
	69.6	77.4	82.3	84.7	85.3	86.0	80.9	78.5	78.8	70.4	64.4	65.4	67.6	69.6	76.1	92.3
	70.0	69.9	66.9	61.8	53.9	49.2										
H	DIST FROM SOURCE: 2273 METERS															
	69.0	76.2	81.1	83.5	85.3	85.3	81.1	74.9	75.6	66.4	59.8	63.7	67.1	70.8	75.8	91.2
	71.1	69.9	66.8	60.6												
I	DIST FROM SOURCE: 2377 METERS															
	67.6	74.3	79.0	81.4	83.1	83.4	79.7	72.3	71.8	64.0	58.9	61.5	65.1	66.1	73.1	89.2
	68.4	67.7	64.2	57.5	47.6											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 363 ) ARRAY 06 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 17 DEC 80 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-106-363 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.2	104.4	107.7	110.7	115.2	118.0	121.1	124.2	126.1	124.1	119.8	116.5	114.9	113.2	123.1	131.7
	112.4	111.7	111.4	111.0	109.2	107.6	108.9	107.0	104.6	104.2	99.1	99.8				
S	DIST FROM SOURCE: 75 METERS															
	98.0	104.1	107.6	110.6	115.5	117.5	121.1	125.0	127.5	125.9	121.6	118.4	116.4	110.9	121.8	132.6
	104.3	98.5	96.3	95.3	99.9	102.5	104.8	108.1	105.9	102.9	100.2	95.7	95.4			
T	DIST FROM SOURCE: 75 METERS															
	98.3	104.6	107.8	110.7	114.9	118.4	121.2	123.2	124.0	121.1	116.3	113.0	112.7	114.6	124.1	130.6
	115.0	114.6	114.3	114.7	113.8	111.7	109.3	109.5	107.8	106.1	106.2	101.0	102.0			
A	DIST FROM SOURCE: 134 METERS															
	94.2	99.0	102.1	104.4	108.9	112.9	116.9	119.0	118.7	114.0	105.9	98.0	99.2	98.5	113.1	124.4
	99.2	101.8	102.1	102.1	102.6	100.2	97.5	97.3	93.6	91.2	90.2	86.9	83.8			
B	DIST FROM SOURCE: 238 METERS															
	88.4	95.2	98.9	102.3	105.6	110.7	113.2	114.1	111.9	103.2	90.5	90.1	92.6	97.0	108.7	119.5
	98.6	100.6	100.7	99.5	98.6	96.1	93.3									
C	DIST FROM SOURCE: 423 METERS															
	83.6	90.0	94.5	98.4	100.5	105.0	103.8	97.9	92.0	82.7	80.2	87.1	91.2	94.6	102.8	110.4
	96.3	97.2	96.4	93.0	90.0	88.0	83.4	79.8								
E	DIST FROM SOURCE: 1255 METERS															
	76.6	84.6	89.4	92.8	95.4	97.2	94.0	87.7	83.5	75.8	70.8	75.6	77.3	82.2	87.9	102.0
	83.5	82.3	79.5	74.5	68.1	62.3										
F	DIST FROM SOURCE: 1757 METERS															
	73.0	81.5	86.2	89.1	89.7	89.8	84.2	85.2	79.2	69.0	66.3	72.0	74.9	75.7	81.9	96.2
	77.1	76.3	73.3	67.5	59.6	50.6										
G	DIST FROM SOURCE: 2079 METERS															
	74.4	81.8	85.6	87.4	87.9	85.4	79.2	78.7	77.1	69.0	67.8	71.0	74.4	76.4	80.1	93.9
	76.6	74.2	69.1													
H	DIST FROM SOURCE: 2273 METERS															
	72.5	81.0	84.5	86.7	87.0	85.1	79.8	76.7	75.0	67.9	66.8	70.2	72.0	75.4	78.7	93.0
	74.1	72.8	69.4													
I	DIST FROM SOURCE: 2377 METERS															
	70.7	79.4	82.4	84.4	85.1	83.2	79.0	74.1	72.3	66.4	67.4	70.5	70.6	72.6	77.4	91.1
	74.4	71.4	67.0													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-364  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 364 ) ARRAY 06  
 LOCATION 02 MT AGL 1.5 M ( DATE 17 DEC 80 ) )  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.1	104.5	108.2	110.5	115.7	117.9	121.8	124.6	126.7	125.4	120.7	115.8	114.6	114.1	123.6	132.3
	113.6	113.0	112.7	112.3	110.3	108.9	108.7	109.1	105.7	102.7	97.8	98.3				
	OVERALL SAMPLE DURATION: 34 SEC															
S	DIST FROM SOURCE: 75 METERS															
	97.9	104.2	108.0	110.4	116.0	117.5	121.9	125.6	128.3	127.4	122.9	118.1	115.4	110.0	122.9	133.4
	104.0	100.2	99.8	100.5	105.5	107.8	108.9	109.7	105.5	103.1	100.7	96.9	97.1			
	OVERALL SAMPLE DURATION: 34 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.4	104.7	108.3	110.5	115.3	118.3	121.7	123.4	124.2	121.6	116.1	110.6	113.7	116.2	124.3	130.9
	116.4	115.9	115.6	115.1	112.5	109.8	108.6	108.4	106.0	104.3	104.1	98.5	99.2			
	OVERALL SAMPLE DURATION: 34 SEC															
A	DIST FROM SOURCE: 134 METERS															
	94.1	99.2	102.6	104.4	109.2	113.3	117.7	119.6	119.2	114.9	105.7	98.6	101.3	101.2	115.3	125.1
	102.2	105.4	106.3	106.2	108.2	100.9	100.7	100.2	96.0	93.9	93.2	89.9	87.0			
	OVERALL SAMPLE DURATION: 35 SEC															
B	DIST FROM SOURCE: 238 METERS															
	88.8	94.6	98.5	100.9	105.1	109.6	113.0	113.6	111.2	102.6	88.6	87.6	91.6	97.2	111.3	119.3
	100.9	104.2	105.5	103.2	100.3	97.3	94.3	92.6	90.3	86.8						
	OVERALL SAMPLE DURATION: 35 SEC															
C	DIST FROM SOURCE: 423 METERS															
	84.0	90.1	95.0	98.4	101.4	105.8	106.0	101.2	92.3	83.2	79.1	84.6	90.0	94.6	104.2	111.7
	97.6	99.2	98.2	94.4	90.9	88.2	85.1	80.5	77.4							
	OVERALL SAMPLE DURATION: 34 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	75.6	84.3	89.7	92.6	95.9	97.6	95.9	88.8	84.0	75.9	70.6	77.9	82.3	84.4	90.7	102.9
	86.2	85.5	83.1	77.1	71.8	67.5										
	OVERALL SAMPLE DURATION: 34 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	71.9	80.4	85.6	87.7	89.2	88.7	85.1	86.8	82.2	71.6	67.3	74.0	76.1	78.0	83.5	96.0
	78.3	78.1	75.2	69.6	61.8	51.9										
	OVERALL SAMPLE DURATION: 34 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	71.5	79.4	84.5	85.6	87.1	85.7	82.2	81.1	73.8	68.8	70.8	73.8	78.7		82.1	93.7
	78.2	76.3	72.0	67.3	56.1											
	OVERALL SAMPLE DURATION: 34 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	70.6	78.3	83.3	84.5	86.0	85.2	82.6	79.5	77.4	69.1	65.5	71.3	74.9	78.7	81.2	92.7
	77.3	75.3	69.8													
	OVERALL SAMPLE DURATION: 34 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	67.2	76.2	80.8	82.2	84.0	83.6	81.8	77.1	73.9	67.1	64.6	68.5	71.0	72.8	76.8	90.5
	72.7	70.4	65.8	60.3	50.2											
	OVERALL SAMPLE DURATION: 34 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-965  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 365 ) MICROPHONE: O6  
 SOUND SOURCE: C-135A ( DATE: 17 DEC 80 ) ARRAY  
 LOCATION 02 HT AGL 1.5 M ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.5	104.6	108.4	110.5	115.6	117.7	121.4	124.4	125.9	124.7	120.0	115.9	114.1	112.9	123.0	131.8
	112.4	111.8	111.9	111.8	110.4	108.5	107.5	108.8	105.9	103.4	102.7	97.9	98.1			
S	DIST FROM SOURCE: 75 METERS															
	98.3	104.3	108.2	110.4	115.9	117.2	121.5	125.2	127.3	126.6	122.0	118.0	115.4	110.0	122.0	132.7
	103.6	98.8	96.0	98.7	103.1	105.1	106.5	108.8	105.2	101.3	99.1	95.9	95.3			
T	DIST FROM SOURCE: 75 METERS															
	98.8	104.9	108.6	110.6	115.3	118.2	121.4	123.4	123.7	121.3	116.0	111.7	112.3	114.6	123.8	130.5
	115.1	114.7	114.8	114.7	113.0	110.3	108.3	108.9	106.4	104.8	104.6	99.2	99.7			
A	DIST FROM SOURCE: 134 METERS															
	94.2	98.9	102.9	104.6	109.1	113.1	117.2	119.5	118.4	114.3	105.5	98.7	101.1	102.1	116.0	124.9
	104.4	107.3	107.5	106.4	105.8	103.0	101.6	100.9	97.3	94.9	94.1	90.7	87.5			
B	DIST FROM SOURCE: 238 METERS															
	88.5	93.9	98.3	101.2	105.0	109.3	112.0	112.9	109.1	99.6	87.7	88.4	93.7	99.4	110.5	118.4
	102.3	104.6	104.0	100.3	99.1	97.2	93.0	90.7	86.8							
C	DIST FROM SOURCE: 423 METERS															
	83.5	89.1	94.0	97.5	100.2	104.3	103.8	99.0	88.8	80.9	77.4	82.1	86.6	90.2	100.5	109.6
	92.9	94.2	94.1	92.4	89.6	85.4	80.8	75.8								
E	DIST FROM SOURCE: 1255 METERS															
	75.3	82.3	87.5	90.4	93.7	96.1	94.2	88.7	79.6	69.9	63.6	69.0	74.1	79.6	86.0	100.9
	80.8	80.9	77.5	72.0	65.0	58.1										
F	DIST FROM SOURCE: 1757 METERS															
	72.3	79.2	84.2	86.6	88.5	89.6	85.0	82.7	74.4	65.9	62.4	68.0	71.3	72.9	78.8	94.9
	73.2	72.9	69.8	64.3	56.0	47.5										
G	DIST FROM SOURCE: 2079 METERS															
	71.6	78.5	83.5	84.9	86.5	85.9	79.9	78.3	75.6	67.7	63.6	64.1	68.5	70.1	76.6	92.3
	72.9	71.1	66.5	59.2	49.1											
H	DIST FROM SOURCE: 2273 METERS															
	70.8	77.8	82.4	84.0	85.6	85.2	79.9	75.2	73.1	64.3	59.8	63.6	67.6	69.9	74.4	91.4
	69.3	68.2	63.8	56.8												
I	DIST FROM SOURCE: 2377 METERS															
	68.5	76.1	80.7	82.4	83.9	84.0	79.2	72.3	68.9	61.6	58.5	63.6	68.4	69.1	73.5	89.9
	69.2	67.2	62.1	54.2	44.2											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: NUMBER 366 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 17 DEC 80 ) ARRAY 06 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 ) TEST AA-106-366  
 ( ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.5	105.3	108.5	110.9	115.4	118.1	121.5	124.5	126.5	124.7	120.2	115.7	114.0	112.8	123.0	132.0
	112.6	111.8	111.4	110.1	108.7	108.2	109.1	105.7	102.9	102.6	97.6	96.1				
	OVERALL SAMPLE DURATION: 33 SEC															
S	DIST FROM SOURCE: 75 METERS															
	98.2	105.0	108.3	110.8	115.8	117.7	121.6	125.4	129.0	126.6	122.4	118.0	115.1	109.1	122.4	133.1
	102.8	99.4	99.5	100.9	105.6	107.5	108.4	109.7	105.3	100.9	100.0	96.2	96.3			
	OVERALL SAMPLE DURATION: 34 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.8	105.6	108.6	110.9	115.0	118.5	121.4	123.4	124.0	120.9	115.7	110.7	112.5	114.6	123.5	130.5
	115.4	114.7	114.4	114.2	112.2	109.6	108.0	108.3	106.1	104.3	104.2	98.7	99.4			
	OVERALL SAMPLE DURATION: 34 SEC															
A	DIST FROM SOURCE: 134 METERS															
	99.9	102.7	104.9	109.3	113.6	117.3	119.7	119.0	114.1	105.1	99.0	102.0	103.0		115.1	125.0
	104.5	106.8	106.2	104.6	103.5	101.7	100.0	98.6	95.1	92.7	92.0	88.5	85.5			
	OVERALL SAMPLE DURATION: 33 SEC															
B	DIST FROM SOURCE: 238 METERS															
	89.4	94.9	98.1	100.8	104.5	109.4	111.9	112.9	110.2	101.4	88.7	86.5	90.8	96.3	108.3	118.2
	99.2	101.4	101.1	99.0	97.6	95.8	93.4									
	OVERALL SAMPLE DURATION: 34 SEC															
C	DIST FROM SOURCE: 423 METERS															
	83.3	89.7	94.1	97.7	100.2	104.9	103.9	99.8	92.3	83.2	78.2	82.0	84.6	87.6	99.3	109.8
	90.5	92.6	92.7	91.4	88.8	84.9	80.8	76.5								
	OVERALL SAMPLE DURATION: 34 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	74.8	82.4	86.8	89.6	92.9	96.4	95.3	90.3	81.3	70.2	65.2	68.5	72.6	77.6	85.7	101.1
	80.1	79.7	77.2	73.3	67.0	59.2										
	OVERALL SAMPLE DURATION: 34 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	72.0	79.5	83.9	86.6	88.5	90.7	87.0	84.0	75.9	64.3	61.1	66.1	70.3	75.2	80.9	95.6
	76.8	75.9	70.8	64.1	55.4	47.1										
	OVERALL SAMPLE DURATION: 33 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	72.9	79.5	83.7	84.9	86.9	86.5	81.6	78.5	74.9	65.9	61.2	64.5	70.5	79.4	77.2	92.8
	73.5	70.5	65.5	57.5	46.9											
	OVERALL SAMPLE DURATION: 33 SEC															
M	DIST FROM SOURCE: 2273 METERS															
	70.6	78.4	82.2	83.9	85.6	85.3	81.0	76.3	72.3	62.2	58.7	63.2	68.2	71.7	75.6	91.6
	72.2	68.6	64.2	56.0												
	OVERALL SAMPLE DURATION: 33 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	68.7	76.4	79.7	81.5	83.2	83.3	80.2	74.5	69.7	60.9	57.3	61.0	65.4	66.4	71.8	89.4
	67.3	64.3	60.9	53.6												
	OVERALL SAMPLE DURATION: 33 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-367  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 367 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 08 JAN 81 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.7	107.8	112.0	113.6	117.0	118.5	121.0	121.7	122.0	120.3	117.1	117.3	118.8	117.2	124.9	130.7
	116.2	116.5	116.2	114.6	112.0	110.2	108.7	108.4	108.5	107.0	108.0	103.7	105.3			
S	DIST FROM SOURCE: 66 METERS															
	103.3	108.2	112.7	114.5	119.1	119.1	121.9	122.2	121.6	118.3	110.2	103.2	105.2	103.6	118.1	129.1
	104.7	105.0	104.4	102.8	103.5	103.6	103.1	104.4	106.6	105.3	107.8	104.4	104.8			
T	DIST FROM SOURCE: 66 METERS															
	102.0	107.4	111.2	112.4	116.0	117.8	119.9	121.2	122.2	121.6	119.7	120.2	121.8	120.1	127.4	131.9
	119.1	119.3	119.1	117.5	114.7	112.7	111.0	110.4	109.8	108.2	108.2	102.9	105.8			
A	DIST FROM SOURCE: 134 METERS															
	95.5	101.8	105.2	105.8	107.3	108.6	105.8	101.8	101.1	100.1	99.8	103.7	105.7	105.3	115.7	118.6
	105.9	107.2	107.7	107.4	105.9	104.2	101.0	99.7	100.3	98.4	97.4	95.6	93.4			
B	DIST FROM SOURCE: 238 METERS															
	93.1	99.3	102.8	101.5	98.4	97.0	91.3	88.6	88.2	88.9	89.5	93.6	96.3	96.6	107.8	110.9
	97.0	98.5	99.6	99.4	99.1	98.1	95.3	91.7	89.9	89.5	86.1	84.9	82.4			
C	DIST FROM SOURCE: 431 METERS															
	88.6	95.1	98.5	95.6	87.5	79.7	78.7	76.1	74.6	76.3	78.2	82.7	85.2	84.2	99.0	103.7
	87.2	89.5	91.4	92.0	91.7	88.7	82.1	80.2	77.6	72.7	70.0	67.7				
D	DIST FROM SOURCE: 753 METERS															
	83.8	89.5	93.4	89.6	82.7	72.2	67.4	64.5	65.0	67.3	70.5	76.5	79.4	79.4	87.8	97.2
	78.6	81.1	81.8	80.5	77.0	70.6	64.6									
E	DIST FROM SOURCE: 1255 METERS															
	79.3	84.5	86.8	81.8	76.9	69.2	63.8	59.9	61.3	63.0	65.2	70.1	75.3	76.4	81.4	91.0
	76.9	76.3	74.2	69.2	63.1											
F	DIST FROM SOURCE: 1757 METERS															
	76.0	79.1	78.9	75.9	72.1	63.6	58.6	56.7	57.0	59.2	60.4	66.0	67.5	69.0	75.0	84.1
	70.1	71.0	67.9	61.1	52.3	49.9										
G	DIST FROM SOURCE: 2087 METERS															
	66.3	65.9	61.7	56.1												
	75.2	75.0	71.7	68.3												
	56.2	59.0	60.3	62.6	64.2	65.0										
I	DIST FROM SOURCE: 2377 METERS															
	68.0	67.2	62.8	50.9	42.4											
	75.1	73.0	70.6													
	61.7	58.3	56.0	57.6	59.8	60.2	64.6	67.8	68.7							
	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-368  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 368 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 08 JAN 81 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	103.1	108.7	111.6	113.9	118.0	118.7	121.1	121.8	122.5	120.2	117.1	117.3	118.7	117.3	124.5	130.7
	116.0	116.1	115.6	114.0	111.4	109.7	108.2	108.0	108.0	106.5	107.6	103.2	104.5			
S	DIST FROM SOURCE: 66 METERS															
	103.6	109.0	112.3	114.8	119.2	119.3	121.9	122.2	122.3	118.1	109.9	103.0	105.2	104.0	118.0	129.2
	104.3	104.6	104.0	102.5	103.2	103.3	102.8	104.1	106.4	105.4	107.8	104.1	104.1			
T	DIST FROM SOURCE: 66 METERS															
	102.5	108.4	110.9	112.8	116.3	118.1	120.1	121.2	122.6	121.7	119.6	120.3	121.6	120.2	127.0	131.8
	118.9	118.9	118.5	116.8	114.1	112.1	110.6	110.0	109.2	107.5	107.4	102.0	104.9			
A	DIST FROM SOURCE: 134 METERS															
	95.8	102.6	104.9	106.3	107.8	109.3	106.1	101.6	101.4	99.7	99.2	102.3	103.9	103.2	113.8	117.7
	103.5	104.9	105.4	105.3	104.3	103.1	100.3	97.6	97.5	97.3	94.8	93.9	91.5			
B	DIST FROM SOURCE: 238 METERS															
	93.3	100.1	102.5	102.2	99.2	97.5	91.8	88.9	89.0	88.5	89.3	92.2	94.0	95.2	106.7	110.5
	95.8	97.3	98.5	98.7	98.5	96.9	91.6	88.6	90.0	87.2	85.4	83.0	80.4			
C	DIST FROM SOURCE: 431 METERS															
	88.8	95.6	97.6	95.6	87.5	77.8	79.3	77.3	78.6	78.5	80.3	85.3	87.9	88.2	99.8	103.9
	89.5	90.8	92.6	92.7	91.6	88.6	83.0	78.9	76.4	75.7	71.9	70.3	68.5			
D	DIST FROM SOURCE: 753 METERS															
	83.9	90.4	92.8	89.6	82.2	66.4	67.6	69.2	70.3	75.8	76.2	78.2	88.9	97.2		
	81.6	84.2	83.5	80.6	75.3	69.3	64.7									
E	DIST FROM SOURCE: 1255 METERS															
	81.0	85.5	86.4	80.9	75.8	60.3	61.5	64.2	67.1	71.5	74.0	76.0	83.8	91.2		
	78.2	79.8	78.2	72.5												
F	DIST FROM SOURCE: 1757 METERS															
	76.9	79.8	78.8	75.8	72.1	61.3	55.5	54.5	57.3	59.4	62.6	68.6	69.0	68.6	73.4	84.0
	69.0	68.4	63.5	57.5	47.6											
G	DIST FROM SOURCE: 2087 METERS															
	73.4	76.4	74.9	71.3	58.4	59.1	61.1	64.0	65.2	69.5	80.0					
	67.0	65.8	58.6													



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 369 ) ARRAY 05 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( DATE 08 JAN 81 ) ) TEST AA-105-369  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 35 SEC															
	102.6	108.2	111.8	113.5	118.1	119.0	121.6	121.9	122.4	120.3	117.5	117.6	119.0	117.4	124.8	130.9
	116.2	115.9	114.2	111.6	110.0	108.6	108.5	108.4	107.2	108.1	103.8	105.0				
S	66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	103.1	108.5	112.4	114.3	119.3	119.5	122.4	122.3	122.2	118.2	110.3	103.4	105.3	103.7	118.4	129.4
	104.5	104.9	104.5	103.2	104.0	104.2	103.8	105.2	107.0	106.1	108.3	104.8	104.7			
T	66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	102.0	107.9	111.2	112.4	116.5	118.4	120.6	121.4	122.6	121.7	120.1	120.5	121.9	120.3	127.3	132.0
	119.0	119.0	118.7	117.0	114.2	112.4	110.8	110.3	109.5	108.0	107.8	102.5	105.3			
A	134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	95.3	102.1	105.0	105.7	107.7	109.3	106.5	101.4	100.4	99.0	99.0	102.4	104.4	103.8	114.2	117.8
	104.1	105.2	105.6	105.6	104.6	103.2	100.3	98.7	98.6	97.0	96.0	94.1	91.7			
B	238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	92.6	99.4	102.4	101.4	99.6	97.6	91.3	87.7	86.0	85.9	86.0	89.0	92.1	93.8	106.1	110.0
	94.5	96.3	98.2	98.7	98.1	96.3	91.0	88.4	87.9	85.9	83.3	80.9	78.6			
C	431 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	87.9	94.8	97.6	95.0	88.8	80.1	79.1	74.3	72.4	72.7	73.8	76.9	78.2	80.2	94.8	102.2
	84.7	85.7	87.4	88.7	87.6	81.7	76.6	75.6	68.9	67.2						
D	753 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	83.1	89.5	92.4	88.2	80.9	71.6	68.6	62.5	64.2	64.4	65.5	70.2	70.8	72.6	82.8	95.9
	74.5	78.1	77.9	73.3	69.4	64.8										
E	1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	79.3	85.2	86.6	80.1	74.8	68.4	59.8	60.1	63.0	64.3	68.8	71.7	71.2	71.2	77.9	90.4
	71.0	73.6	71.6	66.6	59.4											
F	1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	79.9	78.8	76.2	72.4	64.0	56.2	54.4	54.9	56.8	59.6	63.8	64.0	64.1	64.1	68.8	82.5
	64.2	63.7	59.2	54.9	45.1											
G	2087 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	59.8	56.4	75.3	52.9	53.4	55.3	57.3	59.7	60.6	60.3	60.6	60.3	60.3	60.3	63.6	77.4
I	2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	72.5	73.7	73.4	69.4	68.5	57.9	57.5	59.6	59.9	59.0	59.9	59.0	59.0	59.0	62.0	78.5
	56.1	54.5	48.0	42.7												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 370 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE 08 JAN 81 ) ARRAY OS ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-109-870  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	102.7	108.3	111.6	114.2	117.6	118.5	121.1	122.0	122.2	120.5	117.6	119.0	117.2	116.2	124.7	130.8
	116.2	116.3	115.8	113.9	111.5	109.7	108.4	108.0	107.8	108.5	107.7	103.2	104.6			
S	DIST FROM SOURCE: 66 METERS															
	103.1	108.5	112.2	115.0	118.8	119.0	121.9	122.3	122.0	118.3	110.2	103.0	105.2	103.6	117.9	129.1
	104.4	104.6	104.2	102.5	103.4	103.3	103.0	104.2	106.0	105.2	107.8	104.1	104.2			
T	DIST FROM SOURCE: 66 METERS															
	102.3	108.0	110.9	113.1	116.0	117.9	120.1	121.6	122.5	121.9	120.2	120.5	121.9	120.1	127.2	132.0
	119.1	119.1	118.7	116.8	114.2	112.2	110.7	110.0	109.1	107.5	107.6	102.1	109.0			
A	DIST FROM SOURCE: 134 METERS															
	95.9	102.1	105.0	106.5	107.4	108.9	108.0	101.8	101.1	100.3	100.2	109.3	105.2	104.4	114.6	118.1
	104.7	105.6	106.2	105.9	104.9	103.7	101.2	98.8	98.2	97.5	95.8	94.5	92.1			
B	DIST FROM SOURCE: 238 METERS															
	93.2	99.7	102.7	102.5	99.3	97.0	91.9	88.8	88.0	87.9	90.4	93.5	96.1	95.8	106.6	110.6
	96.3	97.5	98.3	97.9	97.7	96.9	93.8	88.9	88.6	89.2	85.5	84.2	81.6			
C	DIST FROM SOURCE: 431 METERS															
	88.4	94.9	97.6	95.9	88.7	75.8	73.2	75.7	75.8	78.2	85.9	89.3	90.6	102.2	105.2	105.2
	94.0	96.6	97.4	94.0	87.3	84.9	83.8	79.0	75.8	74.3	71.5	71.5				
D	DIST FROM SOURCE: 753 METERS															
	82.6	89.2	92.2	89.1	80.8	70.1	63.8	63.9	65.2	66.6	69.3	74.1	77.4	89.2	96.6	96.6
	81.3	85.8	84.3	78.2	74.7	70.1										
E	DIST FROM SOURCE: 1255 METERS															
	78.5	84.3	85.1	79.4	73.9	62.8	62.8	60.2	62.0	64.2	67.8	70.0	72.6	89.9	96.9	96.9
	76.0	79.4	75.3	66.6	56.7											
F	DIST FROM SOURCE: 1757 METERS															
	74.6	78.5	76.5	74.3	69.3	59.4	56.4	54.1	56.0	57.5	59.7	65.4	67.8	70.1	72.5	83.4
	70.0	63.9	60.5	54.7	47.5											
G	DIST FROM SOURCE: 2087 METERS															
	71.7	75.0	72.7	69.4	63.9	53.1	53.8	55.5	57.3	60.5	63.0	63.4	66.3	79.3	79.3	79.3
	62.1	59.9	54.5													
I	DIST FROM SOURCE: 2377 METERS															
	73.5	74.6	71.7	68.8	58.1	57.6	59.8	61.8	59.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1
	57.3	55.7	49.7	41.3												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-37.1

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M  
 ( EVENT: )  
 ( NUMBER 371 )  
 ( DATE 08 JAN 81 )  
 ( )  
 ( )  
 ( )

MICROPHONE: )  
 ARRAY 05 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	102.6	108.7	111.9	113.8	117.9	118.6	121.9	122.2	120.2	117.7	117.4	118.9	117.5		124.7	130.8
	116.3	116.2	115.7	114.0	111.5	109.8	108.6	108.1	107.8	106.6	107.6	103.3	105.0			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	103.0	109.0	112.6	114.7	119.1	119.1	122.1	122.3	122.0	118.0	110.3	103.2	105.1	103.9	117.9	129.2
	104.6	104.7	104.3	102.5	103.3	103.4	102.9	104.1	105.8	105.0	107.8	104.2	104.7			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	102.3	108.4	111.2	112.7	116.2	118.0	120.2	121.5	122.4	121.6	120.3	120.3	121.8	120.4	127.2	131.9
	119.1	119.0	118.6	116.9	114.2	112.3	110.9	110.2	109.2	107.8	107.5	102.2	105.2			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	95.6	102.5	105.1	106.0	107.6	109.0	106.3	101.8	101.0	99.9	100.4	103.9	106.1	105.3	115.0	118.3
	105.2	106.1	106.5	106.3	105.2	103.8	101.0	98.7	99.2	97.8	96.5	94.7	92.8			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	92.5	99.7	102.5	102.0	99.7	97.3	91.0	86.8	85.9	84.6	87.0	91.9	95.5	97.0	108.3	111.2
	98.0	100.0	100.9	100.4	99.7	97.6	93.3	90.8	89.8	89.4	85.7	84.1	81.4			
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	87.3	94.1	96.4	93.9	87.0	78.5	78.1	74.1	70.8	71.4	72.7	79.1	82.0	83.9	98.0	102.4
	88.2	91.0	92.5	91.2	88.2	82.1	79.1	81.1	73.7	74.8	71.0					
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	82.7	89.7	92.1	88.1	79.8											
	75.6	78.1	79.4	76.0	67.8	62.6										
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	78.3	84.5	85.7	78.9												
	74.0	75.3	70.0	66.4												
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	74.1	79.0	77.5	73.5	67.5	58.3	54.9	55.2	53.8	56.6	58.9	63.0	63.9	64.8	68.8	82.7
	65.4	62.6	58.4	52.1												
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	76.0	73.7	68.9	63.9												
	57.9	54.8														
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	72.8	74.7	72.1	68.2												
	56.9	53.4	48.0	40.5												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-372  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 372 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 08 JAN 81 ) )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	124.8	130.7
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
S	102.4	108.4	111.5	113.6	117.9	118.3	121.2	121.5	122.1	120.3	117.6	117.3	119.0	117.4	117.6	129.1
	116.3	116.3	115.9	114.4	112.0	110.1	108.7	108.4	108.0	106.8	107.7	103.4	105.0			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
T	102.6	108.7	112.2	114.4	119.1	118.9	122.1	121.9	122.0	118.2	110.1	103.1	105.4	103.7	127.4	131.9
	104.5	104.4	103.8	102.3	102.8	102.9	102.5	103.7	105.2	104.7	107.1	103.9	104.1			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
A	95.7	102.2	104.7	105.9	107.9	109.0	106.6	101.7	101.0	99.9	100.7	103.4	105.4	104.6	114.8	118.2
	104.8	105.7	106.2	105.9	104.8	103.8	101.9	100.2	98.4	98.2	97.6	95.7	93.8			
	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
B	92.6	99.6	102.1	101.7	99.8	97.2	92.1	88.4	88.1	86.9	88.8	93.3	95.6	95.5	105.8	110.1
	95.0	95.5	96.4	96.2	96.6	96.6	94.8	90.7	87.6	89.3	86.3	83.9	81.7			
	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
C	87.8	94.9	97.1	94.6	88.4	79.1	79.4	76.2	75.1	75.3	77.2	80.7	84.9	84.7	95.5	102.2
	86.8	87.2	88.1	87.8	87.6	83.9	76.5	75.7	72.0	68.6	67.3					
	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
D	68.2	70.1	70.1	69.7	68.7	63.2	OVERALL SAMPLE DURATION: 35 SEC								77.5	95.1
	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 65.9 68.1 67.5															
E	67.4	OVERALL SAMPLE DURATION: 34 SEC													67.0	81.0
	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 54.6 54.5 56.5 58.6 63.4 63.9 63.7															
	OVERALL SAMPLE DURATION: 56.2 56.5 59.4 61.5 60.2															
F	59.2	55.5	53.2	OVERALL SAMPLE DURATION: 34 SEC								63.6	78.6			
	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 58.0 61.0 62.3 60.8															
	OVERALL SAMPLE DURATION: 58.4 54.4 50.4 41.6															
G	72.9	74.8	72.7	67.4	OVERALL SAMPLE DURATION: 34 SEC								63.6	78.6		
	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 56.2 56.5 59.4 61.5 60.2															
	OVERALL SAMPLE DURATION: 58.0 61.0 62.3 60.8															
I	59.2	55.5	53.2	OVERALL SAMPLE DURATION: 34 SEC								63.6	78.6			
	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 56.2 56.5 59.4 61.5 60.2															
	OVERALL SAMPLE DURATION: 58.0 61.0 62.3 60.8															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-373

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 373 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 08 JAN 81 ) )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	FROM SOURCE: 66 METERS															
	DIST FROM SOURCE:	102.4	108.2	111.6	113.7	117.7	118.4	121.2	121.8	122.1	120.3	117.9	117.2	119.0	117.7	124.9
S	66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	102.7	108.5	112.2	114.6	118.9	119.0	122.0	122.2	121.9	118.2	110.5	103.1	105.2	103.9	117.7
T	66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	102.2	107.9	110.9	112.7	116.0	117.8	120.1	121.4	122.3	121.7	120.5	120.1	121.9	120.6	127.5
A	134 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	95.3	101.7	104.5	105.9	107.6	108.9	106.4	101.7	101.3	100.7	101.0	104.1	106.9	106.7	115.5
B	238 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	DIST FROM SOURCE:	92.2	99.1	101.9	101.6	99.2	96.9	90.9	87.2	86.9	86.9	89.3	93.0	96.5	97.5	109.7
C	431 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	87.5	94.5	97.1	95.2	88.4	78.8	78.1	73.6	70.9	73.3	76.0	79.3	83.1	83.2	99.2
D	753 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	73.1	79.5	82.9	80.5	72.0	66.6									86.5
E	1255 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:	77.7	77.0	73.2	68.9	60.7										63.0
F	1757 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	DIST FROM SOURCE:	55.9	54.7						54.2	53.9	56.6	58.1	61.3	62.2	61.0	63.0
G	2087 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:															61.5
I	2377 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	DIST FROM SOURCE:															61.5

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-374  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: MRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 )  
 ) NUMBER 374 ) ARRAY 05  
 ) SOUND SOURCE: C-135A ( DATE 08 JAN 81 )  
 ) LOCATION 01 HT AGL 1.5 M ( )  
 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)											AL (DBA)	OASPL (DB)									
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	125.1	131.0						
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K									
	DIST FROM SOURCE: 66 METERS																					
	OVERALL SAMPLE DURATION: 35 SEC																					
S	102.4	108.4	111.5	113.8	117.5	118.7	121.8	122.3	120.3	118.1	117.6	119.3	117.8	117.6	129.3							
	116.5	116.4	116.2	114.8	112.5	110.7	109.2	108.8	108.1	107.1	107.9	103.3	105.1									
	DIST FROM SOURCE: 66 METERS																					
	OVERALL SAMPLE DURATION: 35 SEC																					
T	102.6	108.7	112.1	114.7	118.7	119.3	122.4	122.3	122.2	119.2	110.6	103.4	105.4	104.1	127.7	132.2						
	104.5	104.3	103.6	101.9	102.8	102.9	102.3	103.7	104.7	104.4	106.7	103.3	103.3									
	DIST FROM SOURCE: 66 METERS																					
	OVERALL SAMPLE DURATION: 35 SEC																					
A	95.3	101.9	104.2	105.5	106.8	108.6	106.3	101.2	99.8	98.2	98.1	101.6	104.2	103.9	113.9	117.4						
	103.9	104.9	105.6	105.7	104.5	102.6	98.8	98.0	98.4	96.6	95.5	93.6	91.7									
	DIST FROM SOURCE: 134 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
B	92.3	99.2	101.9	101.8	99.3	97.5	91.7	86.8	85.0	84.2	84.9	89.6	94.6	95.6	106.8	110.3						
	96.1	97.7	99.1	99.4	98.7	95.6	90.7	90.3	88.4	86.6	83.7	81.5	79.3									
	DIST FROM SOURCE: 238 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
C	87.4	94.4	96.0	94.8	88.1	87.4	90.1	91.8	90.8	86.0	79.5	75.4	75.9	69.1	69.7	97.0	102.3					
	87.4	90.1	91.8	90.8	86.0	79.5	75.4	75.9	69.1	69.7												
	DIST FROM SOURCE: 431 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
D	88.4	91.1	87.3	71.6	76.7	78.8	76.2	68.8	65.8	69.6	69.8	83.3	94.4									
	DIST FROM SOURCE: 753 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
	OVERALL SAMPLE DURATION: 34 SEC																					
F	78.5	74.0	68.3	54.5	53.6	55.0	57.3	59.3	59.6	58.2	61.2	78.0										
	DIST FROM SOURCE: 1757 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
	OVERALL SAMPLE DURATION: 34 SEC																					
G	73.0	74.9	72.5	68.1	53.4	55.3	56.3	57.9	59.6	58.2	61.2	78.0										
	DIST FROM SOURCE: 2087 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
	OVERALL SAMPLE DURATION: 34 SEC																					
I	55.6	52.6	45.5	39.7	57.3	59.3	59.6	58.2	61.2	78.0												
	DIST FROM SOURCE: 2377 METERS																					
	OVERALL SAMPLE DURATION: 34 SEC																					
	OVERALL SAMPLE DURATION: 34 SEC																					

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 375 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 08 JAN 81 ) ARRAY 05 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 ) TEST AA-105-375  
 ) ) ) PAGE F1 ) ) )

MICROPHONE LOCATION	U	S	T	A	B	C	D	F	G	I
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500									
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K									
	DIST FROM SOURCE: 66 METERS									
	102.3 108.3 111.8 114.0 117.9 118.9 121.1 121.8 122.2 120.4 117.7 117.3 119.1 117.6									
	116.4 116.5 116.0 114.5 112.1 110.3 108.9 108.4 108.0 107.1 107.9 103.6 105.2									
	DIST FROM SOURCE: 66 METERS									
	102.5 108.7 112.5 114.9 119.1 119.4 121.9 122.3 122.0 118.4 110.2 109.4 105.3 104.1									
	104.8 104.7 104.3 102.9 103.5 103.7 103.3 104.5 105.5 105.4 107.6 104.2 104.6									
	DIST FROM SOURCE: 66 METERS									
	102.1 108.0 111.1 112.9 116.1 118.2 120.0 121.2 122.3 121.8 120.3 120.2 122.0 120.7									
	119.3 119.3 118.9 117.4 114.8 112.8 111.2 110.5 109.5 108.3 108.2 102.9 105.8									
	DIST FROM SOURCE: 134 METERS									
	95.2 102.1 104.7 106.0 107.5 109.1 106.2 101.6 100.6 99.9 100.0 103.0 104.9 104.2									
	104.6 105.9 106.4 106.4 105.0 103.2 100.5 99.3 98.4 97.2 95.9 94.5 92.3									
	DIST FROM SOURCE: 238 METERS									
	92.3 99.6 102.4 102.1 100.0 97.7 91.8 88.2 86.8 87.0 87.5 91.4 95.3 95.2									
	95.0 96.5 97.8 97.6 97.1 95.7 92.3 88.2 88.2 87.7 84.3 82.5 80.3									
	DIST FROM SOURCE: 431 METERS									
	87.7 94.9 97.3 95.1 88.2 81.0 80.7 77.0 74.8 75.8 78.6 83.0 86.1 85.0									
	85.3 87.0 88.8 89.0 87.8 83.3 75.9 75.6 71.5 68.3									
	DIST FROM SOURCE: 753 METERS									
	82.6 89.6 92.3 89.3 82.6 77.6 73.6 67.7 67.7 69.8 71.6 75.7 76.3 77.3									
	76.5 78.9 78.6 74.2 69.9 68.9									
	DIST FROM SOURCE: 1757 METERS									
	77.2 73.2 68.5 59.9 56.4 53.8 54.2 56.7 58.1 62.6 63.6 63.9									
	64.8 64.1 58.5 52.1									
	DIST FROM SOURCE: 2087 METERS									
	74.8 58.2 57.7 56.1									
	DIST FROM SOURCE: 2377 METERS									
	73.6 74.8 73.1 67.9 57.8 59.2 59.7 58.2									
	55.1 52.4 46.9 40.9									

TABLE: SUMMARY OF LED NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 376 ) MARRAY 05  
 LOCATION 01 MT AGL 1.5 M ( DATE 08 JAN 81 ) )  
 ) IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-376  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	124.9	130.8
	DIST FROM SOURCE:		66 METERS	OVERALL SAMPLE DURATION: 38 SEC												
	102.8	108.2	111.2	113.7	117.6	118.8	120.9	121.9	122.2	120.7	117.9	117.4	118.9	117.5		
	116.1	116.2	115.9	114.5	112.1	110.4	109.0	108.7	108.1	107.2	108.0	109.5	105.1			
S	DIST FROM SOURCE:		66 METERS	OVERALL SAMPLE DURATION: 36 SEC										117.5	129.1	
	103.0	108.5	111.8	114.5	118.8	119.3	121.7	122.3	122.0	118.4	110.2	102.7	104.6			103.3
	103.8	103.9	103.1	101.6	102.4	102.5	102.2	103.8	104.7	105.0	107.1	103.8	103.8			
	DIST FROM SOURCE:		66 METERS	OVERALL SAMPLE DURATION: 37 SEC												
T	102.7	107.9	110.5	112.7	115.9	118.3	119.3	121.3	122.4	122.1	120.5	120.3	121.8	120.4	127.5	132.0
	119.0	119.0	118.8	117.4	114.9	113.0	111.5	111.0	110.0	108.6	108.7	103.2	106.1			
	DIST FROM SOURCE:		134 METERS	OVERALL SAMPLE DURATION: 36 SEC												
	95.6	101.7	104.1	105.6	106.8	108.8	105.9	101.4	100.4	99.3	99.1	101.9	104.2	103.7		
B	103.9	105.2	106.0	106.0	104.6	103.1	100.0	99.1	98.4	96.3	95.6	93.6	91.4	114.2	117.6	
	DIST FROM SOURCE:		238 METERS	OVERALL SAMPLE DURATION: 37 SEC												
	92.6	99.1	101.6	101.6	98.8	97.5	90.9	87.1	84.9	84.1	85.9	89.3	93.0			93.5
	94.5	97.1	99.0	99.1	97.8	94.9	91.4	89.4	86.5	86.3	84.1	81.8	79.3			
C	DIST FROM SOURCE:		431 METERS	OVERALL SAMPLE DURATION: 36 SEC										106.2	109.8	
	88.8	95.1	97.3	95.2	87.7	79.6	79.1	75.2	73.6	74.6	75.6	80.5	84.6			85.9
	89.4	91.3	92.3	91.1	87.3	81.4	80.4	75.9	72.2	69.5	66.4	65.3				
	DIST FROM SOURCE:		753 METERS	OVERALL SAMPLE DURATION: 37 SEC												
D	82.4	89.1	91.6	88.3	79.4	OVERALL SAMPLE DURATION: 37 SEC		98.0	103.1							
	76.5	79.2	77.9	73.7	68.9											
	DIST FROM SOURCE:		1757 METERS	OVERALL SAMPLE DURATION: 37 SEC												
	74.8	59.2	59.1	96.2	57.3	60.8	61.2			60.9						
F	DIST FROM SOURCE:		1757 METERS	OVERALL SAMPLE DURATION: 37 SEC		83.5	95.4									
	74.8	59.2	59.1													
	DIST FROM SOURCE:		2087 METERS	OVERALL SAMPLE DURATION: 37 SEC												
	56.5	55.7														
G	DIST FROM SOURCE:		2087 METERS	OVERALL SAMPLE DURATION: 37 SEC		61.4	77.5									
	74.8	59.2	59.1													
	DIST FROM SOURCE:		2377 METERS	OVERALL SAMPLE DURATION: 37 SEC												
	72.8	74.0	71.0	66.6	57.3			59.4	60.1	58.0						
I	56.0	53.8	46.6	OVERALL SAMPLE DURATION: 37 SEC		61.4	77.5									
	DIST FROM SOURCE:		2087 METERS	OVERALL SAMPLE DURATION: 37 SEC												
	56.5	55.7														
	DIST FROM SOURCE:		2377 METERS	OVERALL SAMPLE DURATION: 37 SEC												



TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 377 ) ARRAY 05 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( DATE 08 JAN 81 ) ) TEST AA-105-377  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	DIST FROM SOURCE: 66 METERS															
	102.6	108.3	111.2	113.6	117.0	118.5	121.1	121.8	122.2	120.2	117.7	117.3	119.1	117.6	124.8	130.8
	116.4	116.4	115.9	114.5	111.9	110.0	108.6	108.3	107.8	106.8	107.6	109.2	105.1			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	102.8	108.5	111.8	114.5	119.0	119.1	122.0	122.2	122.0	118.1	110.2	103.3	105.2	103.9	117.8	129.1
	104.6	104.6	104.0	102.5	103.2	103.3	102.9	104.1	105.0	105.0	107.2	103.9	104.8			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	102.4	108.0	110.5	112.6	116.1	117.9	120.0	121.3	122.4	121.7	120.3	120.2	122.0	120.5	127.4	132.0
	119.3	119.3	118.0	117.3	114.6	112.6	111.0	110.4	109.4	108.1	108.0	102.4	105.4			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	95.3	101.9	104.3	105.6	107.4	108.7	106.0	101.3	99.9	98.9	98.9	101.1	103.1	101.9	113.2	117.1
	102.2	103.9	104.7	104.7	103.7	102.6	100.3	99.1	96.8	95.8	95.8	93.5	91.5			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	92.3	99.1	101.5	101.2	99.3	97.3	91.3	87.6	85.3	84.4	86.3	90.2	93.6	94.3	104.8	109.4
	95.0	96.3	96.1	95.6	95.5	95.0	93.0	89.5	85.7	85.6	84.7	82.5	80.4			
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	88.5	94.9	97.1	94.8	88.1	78.9	79.1	76.7	75.4	75.1	75.4	78.2	82.1	82.1	95.3	102.1
	83.6	86.0	87.7	88.3	88.0	84.3	79.7	77.3	72.9	69.3	68.2	67.3				
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	82.2	88.9	91.3	87.8	80.5	71.3	76.0	61.3	63.3	64.8	66.4	70.5	75.3	78.6	88.3	95.9
	81.7	84.2	82.7	78.4	73.6	69.5	62.2	62.0	61.2							
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	73.1	77.7	76.2	72.5	69.4	60.1	54.1	52.2	52.6	54.6	56.9	60.1	60.9	59.4	64.3	81.9
	58.6	59.6	53.8	44.2												
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	70.5	74.1	72.5	66.8	63.5										60.0	78.0
	54.4	52.6														
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	72.7	73.4	70.6	66.3											58.1	55.9
	53.3	51.6	45.6													

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-378  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 378 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	103.7	108.9	111.3	112.8	116.6	116.3	118.0	118.2	118.2	117.8	117.9	118.7	119.0	116.7	123.8	129.1
	115.5	114.8	113.2	110.7	108.7	106.8	106.4	105.4	105.4	106.5	101.6	104.2				
S	DIST FROM SOURCE: 66 METERS															
	103.8	109.1	111.8	113.6	117.7	116.7	118.9	118.6	117.7	114.8	109.4	102.9	104.2	103.8	115.7	126.4
	103.6	103.7	102.0	100.6	101.1	101.3	101.0	102.5	102.9	103.4	105.9	102.1	103.7			
T	DIST FROM SOURCE: 66 METERS															
	103.6	108.7	110.7	111.9	115.2	115.9	116.9	117.7	118.6	119.5	120.6	121.7	122.0	119.6	126.5	130.8
	118.3	118.2	117.7	116.1	113.5	111.3	109.2	108.4	107.0	106.7	106.9	101.0	104.7			
A	DIST FROM SOURCE: 134 METERS															
	96.7	102.6	104.5	105.2	106.1	106.5	103.0	97.9	96.5	96.4	99.8	103.8	104.9	103.6	114.5	117.2
	104.3	105.0	105.1	105.0	104.6	104.2	102.8	101.2	97.6	97.6	97.7	95.3	93.3			
B	DIST FROM SOURCE: 238 METERS															
	94.4	100.5	102.2	100.8	98.9	96.6	89.8	85.2	83.7	86.5	89.6	91.9	93.6	93.8	105.0	109.6
	94.3	94.4	94.7	94.1	94.2	94.2	94.0	94.1	92.6	92.6	89.7	86.9	83.7			
C	DIST FROM SOURCE: 431 METERS															
	91.6	97.2	99.0	95.7	87.8	81.1	77.8	78.5	75.3	76.0	81.0	84.2	86.3	85.5	95.0	103.6
	86.0	86.0	85.9	84.6	83.7	83.2	83.0	83.1	81.2	80.2	77.2	74.2	71.8			
D	DIST FROM SOURCE: 753 METERS															
	85.0	90.7	92.3	85.7	74.6	76.9	77.7	74.7	74.3	76.7	78.3	76.3	76.7	76.4	84.3	96.3
	75.4	76.5	75.6	73.9	73.4	72.4	70.7	69.4	65.9	60.7	61.7					
E	DIST FROM SOURCE: 1255 METERS															
	84.8	89.6	89.2	79.3	73.5	82.8	84.2	79.7	84.4	89.5	87.0	87.6	86.5	85.6	89.6	97.5
	83.7	82.1	77.3	71.4	66.4	60.9	58.2									
F	DIST FROM SOURCE: 1757 METERS															
	80.3	82.5	80.2	72.9	72.9	76.5	75.2	74.3	71.3	84.2	90.8	91.1	91.4	90.8	93.3	98.3
	86.8	84.5	78.6	71.4	66.6	60.8	56.3									

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-379  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1  
 )

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 379 ) ARRAY 05 )  
 LOCATION D1 HT AGL 1.5 M ( DATE 09 JAN 81 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K															
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC															
	103.2 108.6 111.0 113.1 116.3 116.2 118.0 117.8 118.0 117.5 117.7 118.6 118.4 116.5															
S	115.4 115.2 114.6 113.2 110.7 108.6 106.7 106.1 104.9 104.9 106.0 101.0 103.8															
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC															
	103.4 108.9 111.6 113.9 117.4 116.6 118.9 118.3 117.5 114.6 109.4 102.9 103.6 103.7															
T	103.6 103.4 101.7 100.1 100.6 100.6 100.0 101.4 101.8 102.2 104.9 101.0 102.7															
	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC															
	103.1 108.4 110.4 112.1 114.9 115.7 116.8 117.3 118.4 119.3 120.3 121.5 121.4 119.4															
A	118.3 118.1 117.5 116.1 113.5 111.2 109.2 108.3 106.7 106.5 106.8 100.9 104.7															
	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC															
	95.9 102.2 104.1 105.1 105.6 105.9 102.6 97.5 96.7 97.0 100.2 104.1 104.9 104.3															
B	105.2 106.0 106.1 106.0 105.2 104.3 102.0 99.3 96.6 98.6 97.1 95.1 93.4															
	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC															
	93.6 99.9 101.7 100.7 98.2 95.2 87.8 86.0 84.3 85.6 89.4 94.0 95.2 94.9															
C	95.4 95.3 95.8 95.8 95.8 95.6 95.1 94.8 92.7 92.5 89.7 86.6 83.2															
	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC															
	90.8 97.0 99.1 95.4 86.1 84.3 81.7 78.4 77.9 79.6 81.8 84.0 84.3 83.0															
D	85.2 86.4 86.2 85.0 83.8 83.3 83.2 80.9 81.2 79.3 77.1 72.3															
	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 36 SEC															
	84.3 90.0 91.7 85.6 75.7 73.3 74.4 74.0 72.4 74.7 75.8 74.2 75.1 72.9															
E	72.4 73.9 71.5 69.5 66.6 64.1 62.6 61.9 61.9 60.8															
	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC															
	84.0 89.2 89.1 79.5 72.7 81.3 85.2 80.0 85.6 86.0 90.1 92.4 91.6 89.6															
F	87.2 83.5 78.5 73.1 68.0 62.7 59.6 56.9															
	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC															
	79.3 82.0 79.7 72.0 73.4 77.3 70.3 71.2 76.3 83.4 87.8 88.7 87.4 87.3															
84.8 82.2 78.4 74.4 69.9 64.4 57.9 56.6																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-380  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1  
 )  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 380 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	102.8 108.6 111.1 112.9 116.1 116.1 117.8 117.8 117.5 117.5 118.3 118.3 118.3 116.4															
	115.4 115.2 114.7 113.2 110.9 108.7 107.0 106.3 105.2 105.1 106.1 101.2 104.0															
S	DIST FROM SOURCE: 66 METERS															
	103.0 108.8 111.6 113.7 117.1 116.5 118.7 118.2 117.4 114.6 109.1 102.5 103.4 103.4															
	103.4 103.2 101.7 100.2 100.8 100.9 100.5 102.0 102.2 102.7 105.4 101.5 103.2															
	OVERALL SAMPLE DURATION: 35 SEC															
T	DIST FROM SOURCE: 66 METERS															
	102.7 108.4 110.5 112.0 114.7 115.6 116.7 117.3 118.3 119.2 120.2 121.3 121.3 119.3															
	118.3 118.1 117.5 116.1 113.7 111.3 109.4 108.5 107.0 106.6 106.8 100.9 104.6															
	OVERALL SAMPLE DURATION: 35 SEC															
A	DIST FROM SOURCE: 134 METERS															
	95.7 102.3 104.1 105.0 105.3 105.8 102.4 97.5 96.6 97.2 100.6 104.3 105.6 104.8															
	105.6 106.1 106.3 106.0 105.2 104.3 102.1 99.1 97.0 98.6 97.0 95.2 93.0															
	OVERALL SAMPLE DURATION: 35 SEC															
B	DIST FROM SOURCE: 238 METERS															
	93.9 100.1 101.6 100.4 97.5 94.4 87.0 86.6 85.7 87.7 91.2 92.9 95.1 95.0															
	96.1 97.1 97.2 96.0 95.5 95.1 94.2 94.1 93.3 93.0 91.1 89.2 85.9															
	OVERALL SAMPLE DURATION: 35 SEC															
C	DIST FROM SOURCE: 431 METERS															
	90.1 96.7 98.6 95.1 85.4 83.0 80.7 78.9 73.6 77.7 82.9 86.3 88.4 87.5															
	88.6 86.5 86.3 85.2 84.0 81.6 80.2 80.0 77.8 78.4 76.5 75.1 72.9															
	OVERALL SAMPLE DURATION: 37 SEC															
D	DIST FROM SOURCE: 753 METERS															
	83.6 89.8 91.4 85.3 75.1 70.9 78.0 75.7 77.2 78.0 78.8 81.4 82.8 81.0															
	77.0 76.4 72.8 69.4 67.6 65.2 62.2 62.1 61.5															
	OVERALL SAMPLE DURATION: 35 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	83.0 88.6 88.4 78.5 69.1 75.5 79.1 75.7 80.7 85.7 88.3 92.4 93.4 92.8															
	92.4 90.3 86.5 80.3 73.6 69.1 70.3 68.7 62.2 65.1															
	OVERALL SAMPLE DURATION: 36 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	78.5 81.1 79.2 71.1 70.5 75.2 71.0 73.2 79.3 86.2 88.7 89.3 94.1 90.3															
	88.6 84.4 78.9 73.2 68.9 65.3 59.5 57.2															
	OVERALL SAMPLE DURATION: 35 SEC															



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 382 ) ARRAY 05 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 ) ) TEST AA-105-382 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.8	108.0	111.1	112.6	116.1	115.9	117.3	116.7	115.9	115.9	117.1	116.9	114.8		121.9	127.6
	113.5	113.2	112.6	111.4	109.0	107.0	105.0	104.4	103.1	103.2	104.3	99.4	102.3			
S	DIST FROM SOURCE: 66 METERS															
	102.9	108.2	111.5	113.4	117.1	116.2	118.1	117.3	116.1	112.9	107.3	101.2	101.6	101.3	113.3	125.3
	101.0	100.8	99.3	97.5	98.2	98.4	97.9	99.2	100.3	100.5	103.3	99.7	101.6			
T	DIST FROM SOURCE: 66 METERS															
	102.7	107.8	110.5	111.8	114.8	115.5	116.4	116.5	117.2	117.7	118.6	120.1	119.8	117.7	124.6	129.2
	116.4	116.1	115.6	114.3	111.8	109.7	107.6	106.7	104.9	104.9	105.2	99.1	102.9			
A	DIST FROM SOURCE: 134 METERS															
	96.4	101.8	104.2	104.9	105.4	105.9	102.5	97.5	96.3	96.1	99.4	103.0	104.1	102.4	112.8	116.1
	103.2	103.5	103.2	102.6	102.1	101.6	100.6	100.0	99.0	97.0	95.7	93.7	91.5			
B	DIST FROM SOURCE: 238 METERS															
	93.7	99.0	101.2	99.9	97.6	94.6	88.3	85.2	84.6	86.0	90.1	94.3	95.5	95.6	106.4	109.6
	95.8	96.4	97.0	96.3	96.0	95.8	95.0	94.6	93.2	92.5	89.5	87.1	84.6			
C	DIST FROM SOURCE: 431 METERS															
	89.9	95.4	98.0	94.8	85.8	80.8	77.8	74.7	73.2	75.2	79.6	81.5	82.2	81.5	92.7	102.2
	83.4	84.4	83.7	81.8	80.7	80.7	81.2	81.3	79.1	79.3	77.0	75.2				
D	DIST FROM SOURCE: 753 METERS															
	83.4	88.7	91.0	85.3	75.7	69.2	69.7	65.5	64.0	65.8	68.8	73.6	73.8	71.0	77.9	94.4
	70.6	69.8	68.8	65.8	64.6	63.0	60.4	60.2	60.7							
E	DIST FROM SOURCE: 1255 METERS															
	83.7	88.7	89.3	80.5	74.4	75.6	76.7	74.9	74.2	78.1	80.9	84.3	84.5	82.5	85.4	95.0
	77.4	74.2	70.6	67.7	63.3	58.9										
F	DIST FROM SOURCE: 1757 METERS															
	78.0	81.0	79.8	72.8	69.4	75.7	71.9	67.1	66.2	75.4	82.4	86.0	83.5	77.7	84.4	91.3
	77.8	72.5	67.4	61.2	53.7	49.4										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-383  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 383 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 09 JAN 81 ) ARRAY OS )  
 LOCATION 01 WT AGL 1.5 M ( ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	103.1	108.6	111.5	113.2	116.6	115.9	117.5	117.1	116.9	116.0	116.0	116.6	116.5	115.0	121.9	127.7
	113.8	113.2	112.6	111.4	109.0	107.2	105.1	104.5	103.2	103.5	104.5	99.6	102.6			
S	DIST FROM SOURCE: 66 METERS															
	103.2	109.0	112.1	114.1	117.7	116.5	118.4	117.6	116.6	113.3	107.6	101.2	101.4	101.6	113.4	125.7
	101.3	100.2	98.7	97.1	97.9	98.2	98.0	99.4	99.6	100.6	103.4	99.7	101.7			
T	DIST FROM SOURCE: 66 METERS															
	103.1	108.3	110.8	112.0	115.0	115.2	116.3	116.5	117.2	117.7	118.7	119.6	119.4	117.9	124.6	129.1
	116.7	116.1	115.5	114.3	111.9	109.9	107.7	106.8	105.1	105.1	105.4	99.5	103.4			
A	DIST FROM SOURCE: 134 METERS															
	96.8	102.5	104.7	105.2	105.7	105.6	102.6	97.2	95.7	95.5	98.8	101.8	103.1	102.7	112.6	116.0
	103.1	103.2	103.0	102.6	102.3	101.9	100.8	99.7	97.9	95.5	94.9	93.6	91.1			
B	DIST FROM SOURCE: 238 METERS															
	94.2	99.7	101.7	100.3	97.8	94.2	88.6	86.4	85.3	86.2	90.7	93.6	94.1	94.8	105.6	109.5
	95.9	96.1	96.0	95.0	95.0	94.7	93.8	93.6	92.7	92.2	90.3	88.1	84.7			
C	DIST FROM SOURCE: 431 METERS															
	90.3	96.1	98.5	95.1	87.1	80.9	77.9	73.4	74.5	74.1	77.6	83.3	84.9	84.2	92.7	102.7
	84.6	83.6	83.0	82.0	81.4	80.9	80.2	79.7	77.6	77.6	75.8	75.2				
D	DIST FROM SOURCE: 753 METERS															
	83.8	89.2	91.3	85.8	75.0	63.8	69.0	68.4	65.5	66.7	69.2	72.2	73.8	74.9	80.1	94.8
	73.8	74.1	72.1	68.6	66.7	63.5	60.6	60.3								
E	DIST FROM SOURCE: 1255 METERS															
	83.7	88.7	89.2	80.7	75.1	76.5	75.1	74.5	75.6	76.4	79.3	81.6	82.2	80.4	85.4	94.6
	79.7	78.3	76.0	72.5	68.9	65.3	62.4	58.8								
F	DIST FROM SOURCE: 1757 METERS															
	78.6	81.6	80.3	73.6	70.9	74.7	72.4	70.5	70.1	74.9	78.6	77.9	78.8	77.6	81.0	89.0
	74.8	73.1	68.0	61.6	54.2	48.1										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 384) MICROPHONE: AL  
SOUND SOURCE: C-135A (LOCATION 01) (HT AGL 1.5 M) (DATE 09 JAN 81) (ARRAY OS) (DATE 05 FEB 87) (PAGE F1)

Table with columns: MICROPHONE LOCATION, DIST FROM SOURCE, OBSPL (DB), FREQ BAND (HZ), AL (DB), and OASPL (DB). Rows include U (66 METERS), S (66 METERS), T (66 METERS), A (134 METERS), B (238 METERS), C (431 METERS), D (753 METERS), E (1255 METERS), and F (1757 METERS).



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-385  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 385 ) ARRAY OS  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	SOC	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.8	108.8	111.3	113.0	115.9	117.4	116.5	116.0	115.2	115.3	115.9	115.8	114.1		121.0	127.1
	113.0	112.2	111.6	110.2	107.8	106.0	104.2	103.9	102.6	103.3	104.5	99.7	102.3			
S	DIST FROM SOURCE: 66 METERS															
	102.8	109.1	111.9	113.9	117.1	116.5	118.4	117.1	115.8	112.4	106.9	100.3	100.8	101.0	113.6	125.4
	100.9	100.0	99.0	97.9	98.8	99.4	99.1	100.5	100.6	101.6	104.2	100.5	102.1			
T	DIST FROM SOURCE: 66 METERS															
	102.8	108.4	110.5	111.9	114.3	115.2	116.1	115.8	116.3	116.8	117.9	118.8	117.0		123.6	128.4
	115.8	115.1	114.5	113.1	110.5	108.5	106.5	105.7	104.0	104.4	104.8	98.9	102.5			
A	DIST FROM SOURCE: 134 METERS															
	96.2	102.4	104.4	104.9	105.2	105.6	102.6	96.9	95.5	95.2	98.7	102.0	103.7	103.0	112.5	116.0
	103.3	103.2	102.9	102.2	101.7	101.2	100.5	100.0	98.8	97.2	95.7	93.8	91.5			
B	DIST FROM SOURCE: 238 METERS															
	93.9	99.9	101.7	100.3	97.7	94.5	88.8	86.4	85.8	86.6	90.8	93.7	95.7	96.3	106.4	109.9
	96.9	97.3	97.6	96.2	95.8	95.5	94.6	93.9	91.8	90.6	88.4	86.4	83.6			
C	DIST FROM SOURCE: 431 METERS															
	89.4	95.9	98.0	94.8	87.3	77.1	74.1	73.5	74.1	77.4	81.4	84.9	83.8	82.8	92.4	102.4
	84.7	84.1	83.9	81.3	80.7	80.1	79.4	79.1	76.5	76.3	75.3	74.4				
D	DIST FROM SOURCE: 753 METERS															
	83.5	89.4	91.4	85.6	73.9	65.9	65.9	63.6	65.5	70.5	71.3	74.8	75.9	74.4	79.0	94.8
	71.6	72.3	69.1	65.7	63.4	61.0	58.4	58.5								
E	DIST FROM SOURCE: 1255 METERS															
	83.0	88.5	88.8	79.9	75.2	76.3	78.0	79.0	76.0	77.8	79.2	79.7	81.2	77.9	82.2	94.0
	75.8	72.5	68.9	64.8	59.3	53.6										
F	DIST FROM SOURCE: 1757 METERS															
	78.4	82.0	80.5	73.9	68.1	76.7	76.4	73.8	74.2	77.8	81.2	84.4	85.0	82.7	86.2	92.2
	80.4	77.8	71.6	64.7	54.7	49.0										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2  
 ) TEST AA-103-386  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 ) NUMBER 386 ) ARRAY ) OS  
 ) DATE 09 JAN 81 )  
 SOUND SOURCE: C-135A ( )  
 LOCATION 01 HT AGL 1.5 M ( )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.8	108.5	111.1	112.3	115.8	115.5	116.6	115.5	114.8	113.5	113.4	113.8	113.3	110.9	118.0	125.6
	109.6	108.9	108.3	106.4	103.8	102.3	100.8	100.7	100.3	100.4	101.4	99.7				
S	DIST FROM SOURCE: 66 METERS															
	102.8	108.9	111.7	113.2	116.9	116.1	117.5	116.1	114.9	110.6	104.9	98.1	98.3	97.8	111.2	124.6
	97.8	97.3	96.2	95.4	96.5	96.7	96.2	97.7	98.7	98.9	101.4	97.8	99.2			
T	DIST FROM SOURCE: 66 METERS															
	102.7	108.2	110.4	111.1	114.2	114.9	115.3	114.9	115.1	115.2	116.0	116.8	116.2	113.8	120.5	126.5
	112.5	111.8	111.2	109.2	106.4	104.7	103.0	102.4	101.4	101.5	101.3	100.1				
A	DIST FROM SOURCE: 134 METERS															
	96.4	102.4	104.4	104.3	105.1	105.4	101.9	96.5	94.9	94.5	97.9	101.1	102.0	100.6	110.3	114.8
	100.6	100.9	101.2	100.8	100.3	99.6	97.9	98.2	94.2	93.4	92.0	90.8	88.4			
B	DIST FROM SOURCE: 238 METERS															
	93.9	99.6	101.6	99.7	97.5	94.1	88.0	85.2	83.1	84.7	89.5	94.0	96.2	96.3	105.8	109.5
	96.2	96.6	97.0	96.1	95.9	95.6	94.2	92.5	88.9	87.7	86.9	84.8	81.4			
C	DIST FROM SOURCE: 431 METERS															
	89.6	95.8	98.1	94.5	87.6	77.6	74.9	72.1	72.0	73.2	78.1	81.5	83.6	84.0	93.9	102.4
	85.4	85.7	85.8	84.6	83.5	82.9	81.5	80.3	77.1	76.0	73.8	73.1				
D	DIST FROM SOURCE: 753 METERS															
	83.7	89.5	91.4	85.1	74.2	66.4	64.5	62.3	62.8	67.4	70.6	73.0	73.1	72.9	78.6	94.8
	73.3	71.2	69.4	67.1	65.8	63.1	60.0	59.4								
E	DIST FROM SOURCE: 1255 METERS															
	83.1	88.2	88.5	78.7	74.3	74.5	76.8	77.6	74.3	75.3	77.9	80.2	80.3	77.5	81.5	93.5
	74.4	71.6	67.9	64.4	60.3	59.6										
F	DIST FROM SOURCE: 1757 METERS															
	79.0	81.9	80.5	73.1	67.3	76.2	76.4	74.9	75.5	79.8	85.3	89.0	89.2	86.8	90.2	95.4
	84.4	81.1	74.8	66.7	57.6	52.5										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 387 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 09 JAN 81 ) ARRAY 05 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 ) TEST AA-105-387  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS															
	102.6	108.4	111.2	113.1	115.9	117.6	117.2	117.1	116.6	116.7	117.7	117.7	117.7	115.6	122.6	128.1
	114.5	114.1	113.4	112.0	109.5	107.5	105.6	105.0	103.5	103.9	105.1	100.1	102.8			
S	DIST FROM SOURCE: 66 METERS															
	102.6	108.8	111.8	114.1	117.1	116.5	118.6	117.8	116.9	114.0	108.4	102.1	102.8	102.6	114.0	125.8
	102.3	101.5	100.0	98.5	99.0	99.2	98.8	100.2	100.2	101.4	104.0	100.3	101.8			
T	DIST FROM SOURCE: 66 METERS															
	102.5	108.0	110.5	111.9	114.2	115.2	116.3	116.5	117.3	118.3	119.3	120.6	120.7	118.5	125.3	129.7
	117.4	117.0	116.3	114.9	112.3	110.1	108.1	107.2	105.4	105.5	105.9	99.9	103.6			
A	DIST FROM SOURCE: 134 METERS															
	96.1	102.1	104.2	105.0	105.5	102.3	96.9	95.5	95.9	99.6	103.3	104.9	103.8		113.7	116.6
	104.6	105.1	105.1	104.6	103.8	102.8	100.4	97.5	96.7	97.6	95.9	94.6	92.0			
B	DIST FROM SOURCE: 238 METERS															
	93.4	99.4	101.3	100.2	97.2	94.1	88.7	85.6	83.5	85.9	90.8	94.4	96.5	96.8	108.1	110.5
	97.9	98.8	99.6	99.0	98.8	98.2	96.5	94.2	89.8	88.2	88.2	86.3	83.0			
C	DIST FROM SOURCE: 431 METERS															
	89.4	95.8	97.9	95.3	87.6	77.7	75.7	73.6	73.1	74.8	78.9	82.7	85.1	84.7	96.7	103.0
	87.7	88.2	88.2	87.3	87.0	86.5	85.3	83.5	79.6	78.3	76.5	75.6				
D	DIST FROM SOURCE: 753 METERS															
	89.3	89.2	91.2	89.6	73.8	68.9	67.8	65.0	66.6	69.2	72.5	75.0	76.8	74.4	80.8	94.8
	74.6	73.3	70.8	68.8	67.7	65.8	65.5	66.0	65.1	64.4						
E	DIST FROM SOURCE: 1255 METERS															
	82.8	88.2	88.6	79.3	69.8	68.9	72.0	75.4	72.3	71.7	76.6	79.9	79.2	78.5	82.5	93.3
	78.3	74.4	70.9	65.5	60.5	56.0										
F	DIST FROM SOURCE: 1757 METERS															
	78.6	82.1	81.0	74.3	66.4	73.9	73.9	72.4	72.4	77.7	84.6	89.0	87.9	85.8	90.0	95.0
	84.9	82.2	76.7	70.3	63.3	56.5										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-888  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 388 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 )  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1  
 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.0	106.4	110.0	112.3	115.4	117.1	119.4	119.9	120.3	119.3	117.2	117.5	117.6	116.9	124.1	129.5
	115.4	115.0	114.5	114.2	112.4	110.5	109.2	108.6	106.5	105.6	105.9	101.1	102.2			
S	DIST FROM SOURCE: 66 METERS															
	100.1	106.6	110.5	113.0	116.4	117.5	120.3	119.9	116.7	110.0	102.4	102.1	102.9		114.3	127.2
	102.8	101.9	100.4	99.8	99.6	99.0	98.4	99.1	98.6	99.2	100.5	97.3	98.3			
T	DIST FROM SOURCE: 66 METERS															
	99.9	106.1	109.3	111.4	114.1	116.6	118.3	119.4	120.7	120.9	119.8	120.4	120.6	119.8	126.9	131.0
	118.3	117.9	117.5	117.2	115.3	113.4	112.0	111.3	109.1	108.1	108.2	103.0	104.2			
A	DIST FROM SOURCE: 134 METERS															
	94.9	100.6	103.5	104.6	105.1	107.1	104.2	99.2	97.6	96.2	97.6	100.5	102.1	101.7	109.4	114.9
	101.5	101.1	100.6	99.6	98.4	97.6	95.5	94.5	92.2	91.3	89.1	87.6	86.4			
B	DIST FROM SOURCE: 238 METERS															
	92.3	97.5	100.7	100.2	97.8	96.4	89.1	85.4	84.5	84.3	86.6	89.8	91.5	91.2	97.9	107.0
	90.8	90.2	89.9	88.1	86.2	84.9	82.0	80.0	79.0	77.5						
C	DIST FROM SOURCE: 431 METERS															
	87.1	93.0	96.5	95.2	89.0	77.4	76.1	71.0	70.0	70.5	74.1	78.5	81.6	82.0	87.9	100.8
	81.9	81.1	79.9	77.5	76.1	73.6										
D	DIST FROM SOURCE: 753 METERS															
	79.5	85.3	88.7	85.3	76.4											
	67.8	67.8	65.5	62.7	59.1	54.1										
E	DIST FROM SOURCE: 1255 METERS															
	63.7	62.4	59.2	54.2												
	64.1	59.4	52.6	45.8	37.7	30.2	23.6	17.9	13.2	9.6	7.1	5.4	4.2			
F	DIST FROM SOURCE: 1757 METERS															
	61.3	59.4	54.9	48.3												
	54.9	55.4	57.7	60.9	63.0	64.0	63.3									
G	DIST FROM SOURCE: 2087 METERS															
	70.1	71.3														
	52.1	54.2	56.9	59.6	60.2	60.8	60.3									
	57.5	55.4	51.2													
I	DIST FROM SOURCE: 2977 METERS															
	70.1	71.7	70.1													
	58.8	55.4	50.0	42.1												
	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2  
 ) TEST AR-105-389  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 389 ) ARRAY OS )  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.3	107.1	110.8	112.7	116.7	117.8	120.5	121.0	121.4	119.7	117.1	117.8	118.3	117.3	124.4	130.2
	115.7	115.2	114.9	114.5	112.6	110.4	109.1	108.4	106.6	105.9	106.5	102.1	103.0			
S	DIST FROM SOURCE: 66 METERS															
	101.4	107.3	111.4	113.4	117.7	118.3	121.5	121.4	121.1	117.2	110.1	102.8	103.2	103.8	115.9	128.2
	103.4	102.9	101.8	101.6	102.2	101.6	100.9	102.0	101.5	102.5	104.1	101.4	102.0			
T	DIST FROM SOURCE: 66 METERS															
	101.1	106.8	110.2	111.7	115.4	117.3	119.3	120.4	121.7	121.2	119.7	120.8	121.2	120.2	127.1	131.5
	118.6	118.1	117.8	117.4	115.4	113.1	111.7	110.9	108.8	107.7	108.0	102.8	103.9			
A	DIST FROM SOURCE: 134 METERS															
	94.9	100.6	103.9	104.8	106.2	107.8	105.5	100.6	99.1	97.4	98.1	100.4	101.5	101.0	108.0	115.1
	99.8	98.8	98.4	97.7	96.7	96.0	94.0	93.0	90.6	89.6	87.2	85.3	84.2			
B	DIST FROM SOURCE: 238 METERS															
	92.5	97.5	100.6	99.7	98.5	96.9	90.2	87.0	84.9	82.4	84.4	88.2	90.2	89.3	95.4	106.8
	88.2	87.2	86.7	85.2	83.7	81.8	78.0	75.2								
C	DIST FROM SOURCE: 431 METERS															
	87.6	93.0	96.4	94.5	88.9	77.7	76.3	73.0	73.2	72.3	75.7	78.7	80.5	80.7	86.5	100.6
	80.9	80.1	78.2	75.5	74.1	71.9										
D	DIST FROM SOURCE: 753 METERS															
	80.7	85.9	89.2	85.6	77.2	73.3	62.2	63.6	67.5	68.6	69.1	69.8				
	68.9	68.9	67.2	63.9	60.1	55.6										
E	DIST FROM SOURCE: 1255 METERS															
	82.9	83.6	76.5													
	63.5	61.8	58.6	53.4												
F	DIST FROM SOURCE: 1757 METERS															
	77.1	68.4														
	60.1	58.2	53.6	47.1												
G	DIST FROM SOURCE: 2087 METERS															
	70.6	70.7														
	54.4	52.4														
I	DIST FROM SOURCE: 2377 METERS															
	70.7	71.7	69.8													
	58.5	52.2	46.3													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-390  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 390 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 09 JAN 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	100.7	107.2	110.8	113.1	116.8	118.3	120.9	121.2	121.5	120.2	117.6	118.8	119.2	118.4	125.6	130.0
	116.7	116.3	116.0	115.8	114.2	112.3	110.9	110.3	108.2	107.4	107.6					
S	DIST FROM SOURCE: 66 METERS															
	100.8	107.4	111.3	113.9	117.8	118.7	121.8	121.6	121.1	117.7	110.5	103.5	103.9	104.4	114.8	128.4
	103.8	102.7	100.9	99.7	99.3	98.3	96.5	96.4	95.5	96.2	97.3					
T	DIST FROM SOURCE: 66 METERS															
	100.5	106.9	110.1	112.2	115.4	117.8	119.8	120.8	122.0	121.8	120.2	121.8	122.2	121.3	128.4	132.3
	119.6	119.2	118.9	118.0	117.2	115.2	113.8	113.2	111.1	110.3	110.4	105.3	106.3			
A	DIST FROM SOURCE: 134 METERS															
	94.7	101.0	104.4	105.5	106.7	108.6	106.3	101.2	99.1	97.6	98.4	101.7	102.9	102.5	109.6	116.0
	102.1	101.5	100.7	99.6	97.9	97.0	99.1	94.0	91.7	90.5	88.6	86.6	84.7			
B	DIST FROM SOURCE: 238 METERS															
	92.5	98.0	101.3	100.6	99.3	97.8	91.1	88.1	86.3	85.8	87.4	90.0	91.7	92.0	98.3	107.6
	91.2	90.4	90.1	88.5	86.7	85.4	82.1	78.9								
C	DIST FROM SOURCE: 431 METERS															
	87.7	93.6	97.1	95.6	90.1	79.6	79.6	75.8	74.8	72.9	75.5	79.5	80.2	81.0	86.9	101.4
	81.0	80.3	79.3	76.4	74.3	72.1										
D	DIST FROM SOURCE: 753 METERS															
	81.3	87.0	90.3	86.7	78.7											
	72.9	72.7	70.7	67.5	64.0	59.0										
E	DIST FROM SOURCE: 1255 METERS															
	83.3	83.9	77.1													
	67.6	66.8	63.6	58.9												
F	DIST FROM SOURCE: 1757 METERS															
	64.2	61.9	57.6	50.9												
G	DIST FROM SOURCE: 2087 METERS															
	70.9	74.3	72.1													
	61.0	58.5	54.6													
I	DIST FROM SOURCE: 2377 METERS															
	70.9	73.0	71.7													
	59.7	57.2	52.8	45.8	36.6											
																61.8

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-39:  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A (NUMBER 391) ARRAY 06  
 LOCATION 02 HT AGL 1.5 M (DATE 09 JAN 81)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.0	103.9	107.4	109.2	113.7	114.1	116.3	116.4	114.8	110.9	112.0	113.6	114.1	112.7	121.9	126.0
	111.1	112.6	113.6	111.6	108.7	106.9	104.9	103.4	103.8	99.9	99.2					
S	DIST FROM SOURCE: 75 METERS															
	98.8	103.8	107.6	109.7	114.7	114.6	117.3	117.6	115.5	110.7	108.9	105.4	105.0	103.8	114.3	124.3
	101.4	100.5	101.2	101.9	102.4	102.4	101.7	102.2	100.1	100.3	101.6	97.4	98.0			
T	DIST FROM SOURCE: 75 METERS															
	99.3	103.9	107.2	108.7	112.3	113.4	115.0	114.7	113.9	111.2	113.8	116.3	116.8	115.4	124.5	127.2
	113.6	115.4	116.6	116.5	114.3	111.2	109.2	109.1	107.1	105.2	105.3	101.4	100.1			
B	DIST FROM SOURCE: 238 METERS															
	90.0	96.0	98.6	98.8	98.1	98.0	92.9	87.1	82.1	82.8	88.5	92.3	95.8	96.0	109.3	110.8
	97.5	99.9	101.1	101.1	101.1	100.2	97.2	94.0	89.2	87.0	84.3	82.3				
C	DIST FROM SOURCE: 423 METERS															
	84.8	90.6	93.4	91.4	83.9	78.5	75.2	71.6	69.9	71.6	77.8	82.5	84.1	84.6	98.9	101.1
	86.2	89.5	91.4	91.7	91.1	89.1	85.7	81.0	74.8							
D	DIST FROM SOURCE: 753 METERS															
	82.2	88.2	89.8	84.9	73.6	70.9	70.6	66.3	63.6	65.4	72.3	77.1	79.8	81.3	91.6	95.8
	82.9	85.3	85.9	84.5	81.4	75.2	66.9	62.1								
E	DIST FROM SOURCE: 1255 METERS															
	77.1	83.4	83.7	75.1											80.0	88.3
	74.1	75.0	74.1	70.6	64.8	56.8										
F	DIST FROM SOURCE: 1757 METERS															
	74.0	78.1	76.6												76.4	83.5
	71.8	70.7	68.0	62.4												
G	DIST FROM SOURCE: 2079 METERS															
	74.7	77.6	73.0	69.9											79.8	84.7
	77.0	73.6	69.1	60.8												
H	DIST FROM SOURCE: 2273 METERS															
	73.6	76.1	70.6	68.8											76.4	82.5
	71.7	69.9	65.4	55.2												
I	DIST FROM SOURCE: 2377 METERS															
	70.4	73.7	68.7	66.6											71.5	79.1
	67.3	65.1	60.7													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 392 ) MICROPHONE: ARRAY 06 ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE 09 JAN 81 ) ) ) OMEGA 12.2  
 LOCATION 02 MT AGL 1.5 M ( ) ) ) TEST AA-106-392  
 ( ) ) ) ) ) DATE 05 FEB 87  
 ( ) ) ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.2	103.8	107.5	108.9	113.5	114.0	116.0	114.4	110.7	111.3	113.2	113.8	111.8	110.4	111.9	125.6
	OVERALL SAMPLE DURATION: 38 SEC															
	110.4	111.9	113.2	113.1	111.5	108.9	106.6	106.5	104.6	103.2	103.6	99.7	99.0			
S	DIST FROM SOURCE: 75 METERS															
	98.0	103.8	107.8	109.4	114.6	114.4	117.0	117.2	115.1	110.5	108.3	104.9	104.6	103.2	114.0	124.0
	OVERALL SAMPLE DURATION: 38 SEC															
	100.8	100.4	101.2	101.4	101.9	102.1	101.2	101.9	99.7	99.9	101.4	97.3	98.2			
T	DIST FROM SOURCE: 75 METERS															
	98.4	103.9	107.3	108.3	112.1	113.5	114.7	114.5	113.5	110.9	113.1	115.9	116.6	114.6	124.0	126.8
	OVERALL SAMPLE DURATION: 38 SEC															
	113.1	114.7	116.0	116.0	114.3	111.4	108.9	108.7	106.9	105.0	105.0	101.2	99.6			
A	DIST FROM SOURCE: 134 METERS															
	94.9	100.6	105.1	106.0	109.3	110.5	108.2	99.6	93.7	94.7	99.9	104.0	105.9	105.0	116.5	119.2
	OVERALL SAMPLE DURATION: 38 SEC															
	104.4	105.9	107.5	108.2	108.3	107.1	104.3	102.1	98.3	97.4	96.0	92.7	90.3			
B	DIST FROM SOURCE: 238 METERS															
	89.4	96.2	98.0	98.5	98.1	97.9	92.5	87.3	82.2	83.2	90.3	95.3	98.6	98.6	110.5	111.9
	OVERALL SAMPLE DURATION: 38 SEC															
	99.5	102.5	103.8	103.2	101.4	98.9	95.1	92.1	88.5	86.0	83.3	82.0				
C	DIST FROM SOURCE: 423 METERS															
	84.6	91.3	93.8	91.1	82.3	77.9	76.7	73.8	73.0	74.8	80.8	86.0	89.9	90.7	101.8	103.5
	OVERALL SAMPLE DURATION: 38 SEC															
	92.3	94.9	95.6	94.2	92.7	89.5	83.0	79.7								
D	DIST FROM SOURCE: 753 METERS															
	81.3	88.2	89.6	84.1	73.3	72.3	72.8	69.0	67.2	70.5	76.5	81.5	84.8	85.9	95.6	98.1
	OVERALL SAMPLE DURATION: 37 SEC															
	88.1	90.5	90.0	87.1	83.2	77.5	70.3	65.4	63.0							
E	DIST FROM SOURCE: 1255 METERS															
	77.0	83.8	83.6	74.8											91.6	94.8
	OVERALL SAMPLE DURATION: 38 SEC															
	86.6	86.9	83.9	77.6	70.9	64.8										
F	DIST FROM SOURCE: 1757 METERS															
	72.6	76.8	73.6												83.6	87.5
	OVERALL SAMPLE DURATION: 38 SEC															
	78.7	78.5	72.9	65.1	56.6	48.2										
G	DIST FROM SOURCE: 2079 METERS															
	71.5	73.9	68.9	69.4											82.6	86.6
	OVERALL SAMPLE DURATION: 37 SEC															
	78.9	74.7	69.5	60.9	49.9											
H	DIST FROM SOURCE: 2273 METERS															
	69.9	72.0	67.6	68.0											78.8	82.9
	OVERALL SAMPLE DURATION: 37 SEC															
	75.2	72.0	67.2	57.7	46.1											
I	DIST FROM SOURCE: 2377 METERS															
	67.1	69.2	65.2	65.6											75.4	79.9
	OVERALL SAMPLE DURATION: 37 SEC															
	71.7	68.3	63.3	54.7												



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-393

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 393  
 DATE 09 JAN 81

MICROPHONE: ARRAY OE  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	530	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.3	104.2	107.2	109.0	114.0	114.2	116.3	116.1	114.4	110.6	111.2	113.2	113.7	112.1	121.5	125.7
	110.5	112.2	113.5	113.4	111.1	108.2	106.7	106.7	104.5	102.9	103.4	99.4	98.6			
S	DIST FROM SOURCE: 75 METERS															
	98.2	104.2	107.5	109.5	115.0	114.6	117.3	117.3	115.2	110.4	108.3	104.9	104.7	103.6	114.5	124.2
	101.1	100.9	101.7	102.4	102.9	103.0	102.1	102.7	100.5	100.2	101.5	97.2	97.6			
T	DIST FROM SOURCE: 75 METERS															
	98.5	104.2	107.0	108.4	112.5	113.7	114.9	114.4	113.5	110.8	113.0	115.9	116.5	114.7	124.1	126.9
	113.3	115.1	116.4	116.3	113.0	110.5	108.9	108.0	106.6	104.5	104.8	100.9	99.4			
A	DIST FROM SOURCE: 134 METERS															
	95.0	101.1	104.9	106.4	109.9	110.8	108.4	99.0	93.7	94.7	99.0	104.1	106.2	105.7	117.5	119.9
	105.2	107.1	108.7	109.6	109.6	108.0	104.7	101.6	98.9	98.4	96.4	93.2	90.7			
B	DIST FROM SOURCE: 230 METERS															
	89.5	96.7	98.7	98.8	98.6	98.2	93.0	88.6	83.3	83.7	89.9	94.6	97.6	97.8	110.5	111.8
	98.0	101.5	103.1	103.1	102.3	100.3	95.0	92.1	89.7	88.1	84.7	82.9				
C	DIST FROM SOURCE: 423 METERS															
	84.1	91.5	93.6	91.2	83.2	79.5	77.7	74.6	74.6	76.1	81.0	85.5	89.2	89.5	99.8	102.1
	90.0	92.0	92.9	92.3	90.9	88.6	85.6									
D	DIST FROM SOURCE: 753 METERS															
	81.4	88.7	89.0	84.6	73.5	71.5	71.0	69.3	66.5	69.2	76.1	81.7	85.8	87.1	95.8	98.5
	89.3	90.0	90.1	86.6	82.6	77.5	71.9									
E	DIST FROM SOURCE: 1255 METERS															
	78.1	84.6	83.9	76.1		70.4	64.5	63.7	63.0	66.6	74.7	81.7	85.8	86.5	91.3	94.6
	87.3	86.5	83.1	76.2	69.1	61.0										
F	DIST FROM SOURCE: 1757 METERS															
	74.4	80.1	76.9				70.7	63.7	61.4	64.3	70.0	77.5	80.3	79.2	83.5	87.5
	77.9	78.5	75.1	67.3	58.3											
G	DIST FROM SOURCE: 2079 METERS															
	73.4	77.0	71.4	69.0		70.3	65.0	61.6	61.3	64.3	71.2	75.5	78.1	77.6	81.3	85.8
	77.1	75.3	71.1	62.0	51.7	41.6										
H	DIST FROM SOURCE: 2273 METERS															
	72.3	75.4	69.2	67.5		64.1	58.9	57.5	59.3	62.2	69.2	74.3	76.6	76.5	79.5	84.1
	75.3	72.7	68.9	59.2	47.0											
I	DIST FROM SOURCE: 2377 METERS															
	69.9	73.4	66.5	63.6		62.2	56.7	57.7	59.0	61.4	67.3	71.3	73.2	72.4	76.0	81.1
	71.0	69.5	65.0	56.5	46.9											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-994

STATION 1: WRIGHT-PATTERSON AFB (EVENT) NUMBER 394  
 SOUND SOURCE: C-139A (DATE 09 JAN 81)  
 LOCATION 02 MT AGL 1.5 M

DATE 05 FEB 87  
 PAGE 71

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	1-3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		
	DIST FROM SOURCE: 75 METERS														
	98.2	103.8	107.3	109.0	114.0	113.9	116.2	116.0	114.5	110.6	111.3	113.3	113.9	121.6	125.8
	110.8	112.1	113.6	113.7	111.4	108.5	106.5	106.6	104.5	103.0	103.4	99.6	99.1		
S	DIST FROM SOURCE: 75 METERS														
	98.0	103.7	107.5	109.5	115.1	114.3	117.1	117.1	115.2	110.4	108.2	104.9	104.5	113.7	124.0
	100.7	99.8	100.7	101.1	101.7	101.6	100.5	101.1	98.9	99.2	100.9	97.1	98.3		
	OVERALL SAMPLE DURATION: 30 SEC														
T	DIST FROM SOURCE: 75 METERS														
	98.4	103.8	107.0	108.4	112.6	113.5	114.9	114.4	113.6	110.8	113.0	115.9	116.6	124.3	127.0
	113.5	115.0	116.5	116.6	114.2	111.1	109.0	109.0	106.8	105.0	105.0	101.2	99.8		
	OVERALL SAMPLE DURATION: 30 SEC														
A	DIST FROM SOURCE: 134 METERS														
	95.1	100.8	105.0	106.3	109.9	110.5	108.3	99.7	94.6	95.5	100.7	104.9	106.7	117.4	119.8
	105.6	106.9	105.1	109.9	109.1	107.9	109.3	107.3	98.7	98.1	97.2	93.5	91.3		
	OVERALL SAMPLE DURATION: 30 SEC														
B	DIST FROM SOURCE: 238 METERS														
	89.3	96.3	98.5	98.2	98.1	97.7	92.3	86.5	81.8	82.6	89.6	94.8	97.6	110.1	111.5
	99.0	101.5	102.7	102.6	101.6	99.8	95.6	93.3	90.0	87.2	84.4	82.6			
	OVERALL SAMPLE DURATION: 37 SEC														
C	DIST FROM SOURCE: 423 METERS														
	84.2	91.0	93.2	91.1	83.2	77.3	75.1	71.8	71.0	73.1	79.3	83.6	86.2	99.4	101.5
	88.3	90.7	92.2	92.2	91.2	89.0	85.5	82.6							
	OVERALL SAMPLE DURATION: 37 SEC														
D	DIST FROM SOURCE: 753 METERS														
	81.1	88.0	89.3	84.5	73.1	68.0	68.0	66.4	63.4	65.5	73.3	79.1	83.2	93.6	96.7
	85.6	87.8	88.0	85.5	82.1	76.7	68.9	63.0							
	OVERALL SAMPLE DURATION: 37 SEC														
E	DIST FROM SOURCE: 1255 METERS														
	76.6	84.1	83.8	75.4											
	80.6	81.9	80.4	75.1	68.7	61.0									
	OVERALL SAMPLE DURATION: 30 SEC														
F	DIST FROM SOURCE: 1757 METERS														
	74.1	78.8	76.2												
	78.5	77.8	73.9	65.0	55.4										
	OVERALL SAMPLE DURATION: 30 SEC														
G	DIST FROM SOURCE: 2079 METERS														
	72.7	76.3	71.2	69.6											
	73.1	70.6	65.9	59.2	48.2										
	OVERALL SAMPLE DURATION: 37 SEC														
H	DIST FROM SOURCE: 2273 METERS														
	71.6	74.9	69.2	66.9											
	70.9	68.5	64.5	55.7	44.9										
	OVERALL SAMPLE DURATION: 30 SEC														
I	DIST FROM SOURCE: 2377 METERS														
	68.7	72.1	65.9	64.3											
	69.3	66.7	61.9	53.8											
	OVERALL SAMPLE DURATION: 37 SEC														

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-395

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M  
 ( EVENT: NUMBER 395  
 DATE 09 JAN 81 )  
 MICROPHONE: ARRAY 06  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.8	103.1	107.2	109.0	114.2	119.0	115.9	114.3	110.8	110.0	113.1	113.7	111.6		121.1	125.5
	110.2	111.9	113.1	112.8	110.7	108.0	106.5	104.4	103.0	103.0	103.1	99.2	96.5			
S	DIST FROM SOURCE: 75 METERS															
	98.7	103.2	107.5	109.6	115.3	114.2	116.9	117.1	115.1	110.6	107.9	105.0	104.7	103.2	114.6	124.1
	101.1	101.5	102.4	102.5	103.0	103.3	102.5	103.0	100.7	100.5	101.3	97.1	97.5			
T	DIST FROM SOURCE: 75 METERS															
	98.9	103.1	107.0	108.4	112.7	113.3	114.6	114.2	113.4	110.9	112.6	115.7	116.4	114.3	123.6	126.6
	112.9	114.7	115.9	115.6	113.4	110.2	108.6	108.5	104.4	104.5	104.4	100.6	99.3			
A	DIST FROM SOURCE: 134 METERS															
	93.0	97.5	102.2	103.7	107.2	107.3	105.3	96.8	91.2	92.1	97.1	101.4	103.4	102.2	114.4	116.8
	101.4	103.8	105.8	106.3	106.3	104.9	102.0	99.3	95.2	94.5	93.6	90.0	87.6			
B	DIST FROM SOURCE: 238 METERS															
	90.0	95.6	98.5	98.6	98.5	97.6	92.9	87.3	82.3	82.3	88.1	92.8	95.4	94.5	107.9	109.8
	94.7	97.8	99.7	100.0	99.9	98.7	95.5	92.6	88.6	83.7	82.9					
C	DIST FROM SOURCE: 423 METERS															
	85.1	90.7	93.4	91.7	83.8	76.7	76.5	73.5	72.8	73.0	82.0	86.7	89.3	89.5	100.3	102.4
	90.5	92.5	93.2	92.6	91.8	89.1	84.5	80.3								
D	DIST FROM SOURCE: 753 METERS															
	82.0	87.5	89.2	84.8	73.3	67.6	70.9	67.6	63.8	66.6	73.6	78.6	81.2	81.5	91.8	95.7
	82.4	85.7	86.4	84.4	81.0	76.3	68.3	62.8								
E	DIST FROM SOURCE: 1255 METERS															
	77.6	83.3	83.9	76.2	67.6	62.3	61.9	60.2	61.5	68.2	74.9	77.9	78.5	78.5	85.5	90.2
	79.9	80.6	79.3	74.9	68.7	59.4										
F	DIST FROM SOURCE: 1757 METERS															
	74.1	77.3	75.6			71.5									77.8	83.7
	73.5	72.0	69.3	62.4	53.2											
G	DIST FROM SOURCE: 2079 METERS															
	72.9	75.3	70.8												76.6	82.1
	72.4	70.7	66.2	58.0	48.3											
H	DIST FROM SOURCE: 2273 METERS															
	72.4	73.5	68.4	66.4											77.8	82.6
	73.1	71.2	66.9	56.9	45.7											
I	DIST FROM SOURCE: 2377 METERS															
	69.4	71.2	65.5												74.1	79.4
	68.5	67.5	61.5	52.0												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-396

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 MT AGL 1.5 M

EVENT: NUMBER 396  
 DATE 09 JAN 81

MICROPHONE:  
 ARRAY 06

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.6	104.5	107.4	109.0	113.8	113.9	116.2	115.8	114.4	110.6	111.5	113.2	113.9	112.4	121.7	125.8
	110.8	112.3	113.6	113.7	111.3	108.4	106.7	106.8	104.6	103.2	103.6	99.8	99.2			
	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
S	DIST FROM SOURCE: 75 METERS															
	98.4	104.5	107.6	109.5	114.9	114.3	117.2	117.0	115.1	110.4	108.5	105.0	104.7	103.8	114.2	124.0
	101.1	100.3	101.1	101.9	102.5	102.4	101.4	102.0	99.8	100.0	101.6	97.8	98.6			
T	DIST FROM SOURCE: 75 METERS															
	98.7	104.4	107.1	108.3	112.3	113.4	114.9	114.3	113.5	110.8	113.3	115.9	116.6	115.1	124.3	127.0
	113.6	115.2	116.5	116.6	114.0	110.8	109.0	109.0	106.9	105.0	105.0	101.2	99.8			
A	DIST FROM SOURCE: 134 METERS															
	92.6	98.6	102.3	103.5	106.9	107.7	105.5	96.8	91.9	92.9	98.7	102.4	104.3	103.9	115.2	117.4
	103.4	105.1	106.3	106.8	106.9	105.5	102.9	100.9	96.9	95.6	94.8	91.3	88.9			
B	DIST FROM SOURCE: 238 METERS															
	89.6	96.9	98.7	98.5	98.1	97.8	92.9	87.8	82.6	82.9	89.4	94.0	97.6	98.5	111.5	112.5
	100.2	103.0	104.3	104.1	103.3	101.3	96.6	93.4	91.3	89.0	85.7	83.7	82.0			
C	DIST FROM SOURCE: 423 METERS															
	85.1	92.1	94.0	91.7	83.5	77.4	76.5	74.8	73.5	74.5	80.8	86.2	88.8	90.2	101.9	103.6
	91.9	94.5	95.6	94.9	92.9	89.0	84.4	80.6								
D	DIST FROM SOURCE: 753 METERS															
	81.6	88.7	89.5	84.3	72.6	70.0	70.1	67.4	66.3	69.2	76.3	81.0	83.0	84.3	94.6	97.4
	86.1	88.9	88.9	86.4	83.7	79.0	72.6	66.1	63.1							
E	DIST FROM SOURCE: 1259 METERS															
	78.0	85.4	84.7	75.3												
	86.5	87.3	85.5	79.0	70.9	62.9										
F	DIST FROM SOURCE: 1757 METERS															
	74.2	79.4	76.5	68.7												
	79.4	78.7	73.9	66.4	57.5	50.4										
G	DIST FROM SOURCE: 2079 METERS															
	72.6	76.5	71.1	69.2												
	75.4	74.2	70.0	62.2	51.9											
H	DIST FROM SOURCE: 2273 METERS															
	72.7	75.7	70.0													
	72.2	69.1	66.0	57.6	48.2											
I	DIST FROM SOURCE: 2377 METERS															
	70.2	73.9	66.7	65.9												
	71.2	70.2	65.4	56.7												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-397

STATION 1: WRIGHT-PATERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 MT AGL 1.5 M

EVENT: NUMBER 397  
 DATE 09 JAN 81

MICROPHONE: ARRAY 06

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

25 31.5 40 50 60 63 80 100 125 160 200 250 315 400 500  
 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K

DIST FROM SOURCE: 75 METERS  
 98.8 104.1 107.7 108.6 113.9 114.1 116.1 115.9 114.3 110.8 111.5 113.5 114.0 112.5  
 110.9 112.3 113.4 113.3 111.2 108.6 106.9 104.7 103.5 103.8 99.9 99.5

OVERALL SAMPLE DURATION: 39 SEC  
 98.8 104.1 108.0 109.2 115.0 114.6 117.2 117.1 115.1 110.6 108.5 105.4 105.0 104.1  
 101.5 100.9 101.7 102.6 103.3 103.2 102.3 102.8 100.6 100.7 102.0 98.0 98.8

MICROPHONE LOCATION U S T A B C D E F G H I

AL (DBA) 121.6 124.2 124.2 115.0 110.7 102.2 89.9 84.0 81.1 79.7 78.2

OASPL (DB) 125.8 124.2 126.9 117.2 111.8 103.4 93.1 88.2 85.1 83.5 82.2

DIST FROM SOURCE: 134 METERS  
 92.7 98.2 102.6 103.1 106.9 107.6 105.5 96.7 91.3 92.5 97.9 102.0 103.8 103.4  
 103.1 104.9 106.3 106.7 107.1 105.4 102.0 99.6 96.8 95.8 94.1 90.7 88.3

OVERALL SAMPLE DURATION: 39 SEC  
 90.0 96.4 99.0 98.2 98.1 97.7 92.4 86.9 81.7 82.0 89.0 93.9 96.7 97.1  
 98.5 101.3 102.9 103.2 102.9 101.4 96.6 92.1 89.0 87.3 84.0 82.0

DIST FROM SOURCE: 423 METERS  
 85.0 91.0 93.8 91.3 83.4 76.0 76.3 72.9 70.5 72.9 78.0 82.8 86.2 88.0  
 90.2 93.7 95.5 95.7 94.5 90.5 84.6 80.0

OVERALL SAMPLE DURATION: 25 SEC  
 80.9 87.8 89.5 84.1 72.6 68.4 69.3 67.2 64.5 66.7 73.2 79.0 81.6 82.7  
 84.3 87.1 88.2 85.9 81.1 75.9 67.5 61.0

DIST FROM SOURCE: 1255 METERS  
 77.8 84.5 84.7 75.2  
 84.4 85.5 84.0 77.9 71.5 64.5

OVERALL SAMPLE DURATION: 38 SEC  
 62.1 61.2 62.4 64.3 71.3 77.7 81.6 83.0

DIST FROM SOURCE: 1757 METERS  
 74.6 79.0 77.0 74.3  
 80.0 78.7 74.5 66.6 57.9 51.0

OVERALL SAMPLE DURATION: 39 SEC  
 60.2 64.8 71.9 78.9 80.1 78.9

DIST FROM SOURCE: 2079 METERS  
 73.1 76.1 71.8 68.5 67.0  
 77.6 75.5 71.2 62.7 52.7

OVERALL SAMPLE DURATION: 38 SEC  
 58.4 61.7 69.9 74.4 75.6 77.4

DIST FROM SOURCE: 2273 METERS  
 71.8 74.2 71.0 74.8  
 75.8 74.5 68.6 59.7 48.8

OVERALL SAMPLE DURATION: 38 SEC  
 57.2 59.6 66.9 72.0 74.9 76.7

DIST FROM SOURCE: 2377 METERS  
 69.3 72.1 67.5 66.4 60.8 57.0 57.0 59.8 66.6 72.0 74.2 74.9  
 74.2 72.7 67.3 57.6

OVERALL SAMPLE DURATION: 38 SEC  
 60.8 57.0 57.0 59.8 66.6 72.0 74.2 74.9

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-398

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 398 ) ARRAY 06 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 09 JAN 81 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.8	103.9	107.1	108.7	113.4	113.7	116.0	114.3	110.6	111.2	113.9	114.0	112.7		121.6	125.7
	110.4	111.8	113.2	113.4	111.3	108.7	106.9	104.7	103.4	103.9	100.1	99.5				
	OVERALL SAMPLE DURATION: 37 SEC															
S	DIST FROM SOURCE: 75 METERS															
	98.7	103.9	107.3	109.3	114.5	114.1	117.2	115.1	110.3	108.3	105.1	104.8	104.0		114.5	124.0
	101.4	100.4	101.3	102.3	103.0	102.9	102.1	102.7	100.6	100.5	102.2	98.2	98.9			
	OVERALL SAMPLE DURATION: 37 SEC															
T	DIST FROM SOURCE: 75 METERS															
	98.8	103.8	106.8	108.1	112.0	113.1	114.7	114.3	113.4	110.8	113.0	116.0	116.8	115.4	124.1	126.8
	113.2	114.7	116.1	116.2	114.0	111.1	109.0	109.0	106.8	105.2	105.1	101.4	99.9			
	OVERALL SAMPLE DURATION: 37 SEC															
A	DIST FROM SOURCE: 134 METERS															
	92.8	98.1	102.0	103.4	106.6	107.3	105.5	97.0	91.5	92.3	97.8	102.0	104.2	103.6	114.9	117.1
	103.2	104.5	105.8	106.5	106.9	105.4	102.3	99.6	96.2	96.0	93.9	90.6	88.0			
	OVERALL SAMPLE DURATION: 36 SEC															
B	DIST FROM SOURCE: 238 METERS															
	90.0	96.4	98.5	98.4	97.9	97.5	92.5	87.8	82.8	82.3	88.9	93.8	97.3	98.0	111.0	112.0
	99.2	102.0	103.6	103.5	102.8	101.0	96.6	93.2	91.1	88.5	85.6	83.6	81.6			
	OVERALL SAMPLE DURATION: 37 SEC															
C	DIST FROM SOURCE: 423 METERS															
	84.8	90.8	93.1	90.8	82.5	77.2	75.6	73.8	72.7	73.4	78.8	83.0	85.5	85.8	98.2	100.8
	87.3	90.4	91.7	91.3	89.5	85.9	82.7	80.8								
	OVERALL SAMPLE DURATION: 33 SEC															
D	DIST FROM SOURCE: 753 METERS															
	81.1	87.9	89.2	84.3	72.7	69.7	69.9	67.3	66.0	68.3	74.9	80.3	83.5	84.7	93.4	96.6
	85.8	87.5	87.8	85.5	81.1	75.1	68.6	61.9								
	OVERALL SAMPLE DURATION: 37 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	77.8	84.3	84.0	75.9	60.4	64.8	63.8	64.1	66.3	73.3	80.2	82.8	83.8	89.3	89.3	93.0
	84.5	84.6	82.0	76.4	71.1	63.8										
	OVERALL SAMPLE DURATION: 36 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	74.5	78.3	75.3													
	79.4	79.0	75.3	66.9	57.5	50.8										
	OVERALL SAMPLE DURATION: 37 SEC															
G	DIST FROM SOURCE: 2079 METERS															
	72.7	75.1	69.3													
	76.4	75.1	71.0	62.0	55.2											
	OVERALL SAMPLE DURATION: 42 SEC															
H	DIST FROM SOURCE: 2273 METERS															
	71.8	73.2	67.7													
	74.1	72.1	67.1	58.2												
	OVERALL SAMPLE DURATION: 36 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	69.5	71.0	65.2	66.3												
	71.8	68.9	63.6	55.1	57.4	58.1	56.8	58.0	60.8	67.0	70.4	72.4	72.2	75.5	80.2	80.2

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-399

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 399 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 13 JAN 81 ) )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
----- 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) -----																
U	DIST FROM SOURCE: 66 METERS															
	99.1	106.6	109.8	111.4	116.5	118.3	121.4	122.9	123.9	121.4	118.6	120.0	119.9	118.1	126.2	131.7
	117.0	117.5	117.4	116.8	114.3	112.0	110.6	109.9	107.9	107.3	107.2	101.8	103.6			
S	DIST FROM SOURCE: 66 METERS															
	99.2	106.7	110.2	112.0	117.5	118.6	122.0	123.1	123.5	119.8	113.1	110.1	108.2	107.9	117.9	129.6
	107.0	104.9	103.9	103.2	102.9	102.6	101.8	101.8	101.1	100.9	102.5	98.7	99.0			
T	DIST FROM SOURCE: 66 METERS															
	99.0	106.4	109.3	110.6	115.4	118.0	120.7	122.6	124.2	122.5	121.0	122.8	122.7	120.5	128.9	133.1
	119.8	120.4	120.4	119.7	117.1	114.7	113.3	112.6	110.4	109.8	109.3	103.6	105.8			
A	DIST FROM SOURCE: 134 METERS															
	92.5	100.1	102.8	103.0	104.7	107.3	106.4	104.4	103.5	100.0	99.6	102.2	102.6	101.8	111.3	116.1
	101.6	101.8	101.9	101.4	100.5	100.2	98.9	98.2	96.4	95.5	93.4	91.5	89.0			
B	DIST FROM SOURCE: 238 METERS															
	90.2	97.0	100.0	98.7	95.1	94.7	94.1	91.4	90.2	86.5	86.4	88.4	88.5	88.2	95.3	106.0
	87.5	87.2	87.2	85.6	83.7	82.2	79.0	76.4	73.5							
C	DIST FROM SOURCE: 431 METERS															
	85.2	92.0	94.8	92.9	88.3	76.5	81.1	79.3	75.7	72.0	71.5	73.6	73.9	72.2	80.8	99.0
	73.9	73.3	72.6	70.7	69.2	66.5	62.7	59.6								
D	DIST FROM SOURCE: 753 METERS															
	74.6	81.2	83.9	80.7	75.3	64.0	61.7	60.2	59.9	61.1	64.0	64.7	64.6	70.3	87.7	97.7
	64.1	63.8	62.0	59.9	56.7	52.6										
E	DIST FROM SOURCE: 1255 METERS															
	73.0	78.8	79.9	74.1	66.8	57.5	58.3	58.5	57.1	58.9	61.3	62.2	61.4	65.5	83.6	93.6
	59.9	58.4	55.4	50.9	46.1											
F	DIST FROM SOURCE: 1757 METERS															
	67.6	71.2	69.7	63.7	61.6	54.2	55.0	54.4	56.2	58.5	58.9	57.3	61.0	75.2	90.2	100.2
	55.3	53.1	48.2	43.6												
G	DIST FROM SOURCE: 2087 METERS															
	64.2	67.3	64.7	52.0	51.5	53.5	54.3	54.5	52.9	56.3	70.7					
	50.8	49.3														
I	DIST FROM SOURCE: 2377 METERS															
	64.5	66.6	63.8	54.5	54.3	54.7	56.3	56.5	54.6	58.1	70.3					
	52.0	49.2	44.1	37.7												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-109-400  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 400 ) ARRAY 05  
 LOCATION 01 MT AGL 1.5 M ( DATE 13 JAN 81 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	99.3	106.5	109.5	111.4	116.8	118.1	121.3	122.5	123.8	121.5	118.6	119.9	119.9	118.1	126.2	131.6
	117.0	117.3	117.3	116.6	114.4	112.2	110.8	110.0	108.0	107.5	107.4	102.3	104.1			
S	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE: 66 METERS	99.4	106.7	109.9	112.0	117.7	118.4	121.9	122.7	123.3	119.9	119.1	109.9	108.3	108.0	117.6	129.5
	107.0	104.7	103.5	102.7	102.2	101.8	101.2	101.2	100.5	100.3	101.9	98.4	98.8			
T	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE: 66 METERS	99.2	106.4	109.0	110.7	115.6	117.8	120.6	122.4	124.1	122.6	120.9	122.7	122.8	120.9	128.9	133.1
	119.8	120.2	120.2	119.6	117.3	115.0	113.6	112.7	110.6	110.0	109.8	104.3	106.4			
A	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE: 134 METERS	92.8	100.1	102.5	103.2	104.9	107.1	106.4	104.3	103.8	100.8	100.2	102.6	103.2	102.2	110.9	116.0
	101.8	101.5	101.3	100.9	100.0	99.6	98.0	97.1	95.2	94.2	92.1	90.4	88.8			
B	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE: 238 METERS	90.5	97.1	99.5	98.9	95.3	94.4	93.8	90.5	89.4	86.2	85.8	88.3	88.7	87.8	95.0	105.9
	87.2	87.0	86.2	84.7	83.4	82.4	79.7	77.0	73.3	71.0	67.2					
C	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE: 431 METERS	85.4	91.9	94.3	93.2	89.0	77.8	79.9	79.1	75.2	72.2	73.1	74.0	74.4	74.8	82.0	99.0
	75.7	74.4	73.9	72.1	70.2	67.6	63.9	59.5								
D	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE: 753 METERS	75.0	81.5	83.6	81.3	75.8	66.0	62.8	63.3	61.4	61.9	63.3	66.5	67.0	67.3	72.7	87.9
	66.5	66.4	64.8	61.8	59.1	54.6										
E	OVERALL SAMPLE DURATION: 29 SEC															
DIST FROM SOURCE: 1255 METERS	74.1	78.3	78.8	73.5	66.8											
	60.9	59.5														
F	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE: 1757 METERS	67.6	71.0	69.3	64.3	58.3											
	56.7	54.1	49.9	44.7												
G	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE: 2087 METERS	64.0	68.3	64.6													
	52.8	50.6														
I	OVERALL SAMPLE DURATION: 38 SEC															
DIST FROM SOURCE: 2377 METERS	65.5	62.9														
	54.4	51.0	45.7	39.4												



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-109-401

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 401 ) ARRAY OS )  
 LOCATION 01 MT AGL 1.5 M ( DATE 13 JAN 81 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		126.2	131.7
	DIST FROM SOURCE: 66 METERS															
	99.8	106.0	109.5	111.2	116.6	118.0	121.4	123.1	123.7	121.5	118.8	120.2	120.0	118.1		
	117.1	117.6	117.4	116.7	114.3	112.0	110.6	109.9	107.7	107.2	107.2	101.9	103.8			
	OVERALL SAMPLE DURATION: 35 SEC															
S	DIST FROM SOURCE: 66 METERS															
	99.9	106.1	109.9	111.8	117.5	118.2	122.0	123.2	123.3	119.9	113.1	110.1	108.4	108.0	117.8	129.5
	107.1	105.0	103.7	103.0	102.8	102.4	101.6	101.7	100.9	100.6	102.1	98.4	98.9			
	OVERALL SAMPLE DURATION: 35 SEC															
T	DIST FROM SOURCE: 66 METERS															
	99.7	105.8	109.0	110.5	115.4	117.7	120.7	122.9	124.0	122.6	121.1	123.0	122.9	120.8	128.9	133.2
	119.9	120.5	120.4	119.6	117.2	114.8	113.3	112.5	110.3	109.8	109.4	103.8	106.1			
	OVERALL SAMPLE DURATION: 36 SEC															
A	DIST FROM SOURCE: 134 METERS															
	93.1	99.5	102.4	102.9	104.7	107.0	106.4	104.7	103.4	100.0	99.4	101.9	102.0	101.0	110.4	115.7
	100.8	101.1	101.0	100.6	99.7	99.2	97.8	97.1	95.1	94.2	92.2	90.0	88.0			
	OVERALL SAMPLE DURATION: 35 SEC															
B	DIST FROM SOURCE: 238 METERS															
	90.9	96.4	99.6	98.7	95.4	94.5	94.0	91.5	89.7	86.2	86.1	87.6	88.2	87.3	94.2	105.8
	86.0	85.3	85.3	84.3	83.2	81.7	78.3	75.5	71.7	69.6						
	OVERALL SAMPLE DURATION: 35 SEC															
C	DIST FROM SOURCE: 431 METERS															
	85.6	91.2	94.3	93.0	88.7	77.1	80.6	79.8	75.6	72.1	71.9	73.8	73.9	73.6	80.9	98.8
	74.1	73.3	72.6	70.6	69.1	66.5	62.7	58.0								
	OVERALL SAMPLE DURATION: 35 SEC															
D	DIST FROM SOURCE: 753 METERS															
	75.7	81.1	84.0	81.3	75.5	64.4	63.9	63.0	61.5	63.4	66.6	66.9	66.9	66.9	72.4	88.0
	66.3	65.9	64.1	61.6	58.7	54.3										
	OVERALL SAMPLE DURATION: 35 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	72.5	77.6	78.8	73.3	65.9	62.2	59.4	59.5	58.1	58.1	59.9	62.6	63.2	62.7	66.7	82.8
	61.1	59.9	57.0	52.1	47.4											
	OVERALL SAMPLE DURATION: 35 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	57.2	55.0	50.9	45.5											62.7	72.2
	OVERALL SAMPLE DURATION: 35 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	63.5	64.3	62.1												58.4	68.7
	53.3	51.4														
	OVERALL SAMPLE DURATION: 37 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	53.5	51.0	46.1	39.4											59.5	68.2
	OVERALL SAMPLE DURATION: 42 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-402  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 ) NUMBER 402 ) ARRAY ) OS )  
 ) DATE 13 JAN 81 ) ) )  
 SOUND SOURCE: C-135A ( ) ) )  
 LOCATION 01 HT AGL 1.5 M ( ) ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.4	106.1	109.7	111.6	116.7	118.0	121.0	122.8	123.6	124.0	125.1	126.2	127.1	128.1	126.2	131.6
	117.0	117.3	117.2	116.7	114.4	112.0	110.7	110.0	107.9	107.4	107.4	102.2	104.0			
S	DIST FROM SOURCE: 66 METERS															
	99.6	106.2	110.1	112.3	117.6	118.2	121.6	123.0	123.2	119.7	112.9	110.1	108.3	107.7	117.7	129.4
	106.9	104.5	103.2	102.8	102.5	102.4	101.9	102.0	101.5	101.4	103.2	99.4	99.8			
T	DIST FROM SOURCE: 66 METERS															
	99.3	105.9	109.2	110.9	115.6	117.7	120.3	122.6	124.0	122.5	121.0	122.9	122.9	120.9	128.9	133.1
	119.8	120.2	120.2	119.6	117.3	114.8	112.6	110.4	109.8	109.5	103.8	106.1				
A	DIST FROM SOURCE: 134 METERS															
	93.0	99.6	102.6	103.2	104.8	107.0	106.0	104.5	103.3	99.8	99.1	101.8	102.3	101.2	109.9	115.5
	100.8	100.7	100.4	99.9	99.0	98.4	96.7	95.9	94.0	93.0	90.9	88.9	86.8			
B	DIST FROM SOURCE: 238 METERS															
	90.5	96.5	99.6	98.9	95.4	94.3	93.3	90.8	88.9	85.7	85.6	87.5	87.3	86.2	93.8	105.7
	85.4	85.5	85.7	83.8	82.5	80.9	77.6	75.3	71.7	69.7						
C	DIST FROM SOURCE: 431 METERS															
	85.6	91.3	94.4	93.1	88.8	76.6	79.4	78.2	74.4	71.0	71.5	74.3	75.1	73.1	80.7	98.8
	73.4	73.1	72.2	70.2	68.7	66.2	62.1	57.5								
D	DIST FROM SOURCE: 753 METERS															
	75.6	81.3	84.4	81.7	75.5	64.9	64.1	65.2	64.8	62.8	64.3	67.5	67.7	67.7	73.3	88.3
	66.9	66.9	65.3	62.6	59.5	55.3										
E	DIST FROM SOURCE: 1255 METERS															
	72.8	78.3	79.7	74.6	66.7	62.9	60.8	59.2	59.0	57.5	59.4	62.3	62.6	62.2	66.2	83.5
	60.9	59.4	56.3	52.9	47.1											
G	DIST FROM SOURCE: 2087 METERS															
	64.1	66.5	64.2													
	50.9															
I	DIST FROM SOURCE: 2377 METERS															
	65.4	63.7														
	52.9	50.0	44.4	38.6												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 403 ) ARRAY 06 ) OMEGA 12.2  
 LOCATION 02 MT AGL 1.5 M ( DATE 13 JAN 81 ) ) DATE 05 FEB 87  
 ( ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 35 SEC															
	99.6	105.6	108.5	110.0	114.0	114.5	116.9	116.1	114.9	111.4	108.5	109.5	109.2	108.5	118.1	124.5
	107.6	107.3	108.2	109.3	108.4	106.6	104.6	103.8	101.6	100.7	100.9	96.2	96.0			
S	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	99.7	105.7	108.7	110.5	115.2	114.5	117.1	117.2	115.8	111.4	105.3	101.8	98.4	98.0	111.1	124.0
	96.7	95.2	93.9	95.1	96.7	96.8	96.0	98.3	97.6	98.5	99.1	95.3	94.7			
T	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	99.5	105.5	108.2	109.5	112.3	114.6	115.3	114.6	113.9	111.4	110.4	112.1	112.1	111.3	120.7	125.0
	110.4	110.2	111.1	112.2	111.2	109.4	107.3	106.1	103.6	102.1	102.2	97.0	97.0			
B	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	90.7	97.2	99.6	98.1	94.5	94.9	92.0	88.0	85.2	84.0	86.5	90.1	91.8	92.6	102.6	107.1
	93.0	94.8	96.0	94.7	92.8	91.1	88.2	84.5	82.7							
C	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	85.7	92.1	94.7	90.8	83.2	79.5	79.6	79.9	80.1	80.2	84.1	87.8	90.5	92.2	98.9	102.4
	92.2	93.4	92.2	88.8	85.5	83.4	80.3	74.6	72.4							
E	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	80.1	86.3	85.4	74.6	65.4	67.8	66.8	69.3	70.9	73.3	75.0	79.4	82.6	83.8	85.7	92.4
	80.5	78.3	74.6	68.4	63.3	58.2										
F	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	73.5	76.0	72.9	68.0	64.2		64.4	65.1	68.1	71.5	73.9	77.7	76.6	77.4	80.3	85.6
	75.6	72.6	68.7	60.6	55.3											
G	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	75.2	75.1	73.1	70.4	69.2	62.8	63.2	66.8	68.4	70.4	72.8	75.1	75.5	73.8	77.1	84.1
	71.4	68.3	63.5	54.4	45.2											
H	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	73.7	73.6	72.4	69.5	67.4	62.5	61.0	64.6	68.5	70.8	73.7	75.2	75.5	73.0	76.4	83.5
	69.2	66.1	60.8	51.6												
I	OVERALL SAMPLE DURATION: 28 SEC															
DIST FROM SOURCE:	70.8	70.6	70.3	68.6		62.0	59.1	62.4	65.6	67.3	70.0	72.2	71.9	69.3	73.2	80.5
	67.1	63.8	58.7	50.1												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 405 ) OMEGA 12.2  
 LOCATION 02 MT AGL 1.5 M ( DATE 13 JAN 81 ) TEST AA-106-405  
 ) MICROPHONE: )  
 ) ARRAY 06 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
98.9	104.9	108.2	110.0	114.0	114.6	116.3	115.1	111.7	108.7	109.4	109.3	108.5			118.5	124.7
108.0	108.5	109.6	110.2	108.6	106.2	103.9	103.8	101.8	100.9	100.7	95.9	95.5				
S	DIST FROM SOURCE: 75 METERS															
OVERALL SAMPLE DURATION: 36 SEC																
98.9	104.9	108.4	110.5	115.2	114.6	117.3	117.5	116.1	111.8	105.7	101.7	98.7	98.2		112.0	124.2
97.2	96.9	96.2	97.1	98.5	98.9	98.4	100.7	99.4	99.8	99.1	95.1	94.2				
T	DIST FROM SOURCE: 75 METERS															
OVERALL SAMPLE DURATION: 37 SEC																
98.8	104.8	108.0	109.5	112.4	114.7	119.4	114.6	113.8	111.6	110.4	112.0	112.2	111.3		121.0	125.1
110.8	111.3	112.5	113.1	111.4	108.8	106.2	105.6	103.4	101.7	101.8	96.6	96.4				
B	DIST FROM SOURCE: 238 METERS															
OVERALL SAMPLE DURATION: 36 SEC																
90.3	96.8	99.7	98.4	94.7	94.7	92.4	88.8	86.5	86.0	87.4	90.5	92.3	93.1		103.6	107.5
93.3	94.9	96.4	96.4	94.5	91.6	89.5	85.8	83.9	81.6							
C	DIST FROM SOURCE: 423 METERS															
OVERALL SAMPLE DURATION: 37 SEC																
86.1	92.1	94.9	91.4	83.9	79.2	77.0	78.4	79.2	80.8	83.6	88.3	91.8	93.9		99.0	102.8
93.5	92.9	90.5	89.1	85.7	83.9	81.9										
E	DIST FROM SOURCE: 1255 METERS															
OVERALL SAMPLE DURATION: 37 SEC																
80.4	86.2	85.4	74.2	65.0	69.5	71.2	73.0	73.4	76.1	77.2	79.4	82.4	86.0		97.3	93.1
82.4	80.1	76.4	69.4	64.8	59.3											
F	DIST FROM SOURCE: 1757 METERS															
OVERALL SAMPLE DURATION: 36 SEC																
74.0	77.3	72.1	67.4	65.0	64.6	67.2	69.2	72.6	73.6	76.5	78.9	79.3		81.8	86.2	
76.9	74.4	70.6	63.5	55.9												
G	DIST FROM SOURCE: 2079 METERS															
OVERALL SAMPLE DURATION: 31 SEC																
77.0	76.0	72.5	69.8	69.5	66.5	68.4	69.6	71.8	73.8	76.9	77.8	78.1		80.2	86.1	
74.1	72.4	68.2	59.3	49.8												
H	DIST FROM SOURCE: 2273 METERS															
OVERALL SAMPLE DURATION: 36 SEC																
74.8	71.5	69.1	68.3	65.8	65.4	68.6	71.6	71.4	75.5	76.3	77.7	77.6		80.4	85.7	
75.2	73.1	67.7	58.9	48.4												
I	DIST FROM SOURCE: 2377 METERS															
OVERALL SAMPLE DURATION: 36 SEC																
71.8	73.4	70.0	68.3	64.8	65.8	68.0	71.1	70.2	74.3	75.0	76.3	75.4		78.4	84.0	
73.7	69.9	63.9	55.0													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 406) MICROPHONE: ARRAY 06  
 SOUND SOURCE: C-135A (DATE: 13 JAN 81) DATE 05 FEB 87  
 LOCATION 02 HT AGL 1.5 M (DATE: 13 JAN 81) DATE 05 FEB 87  
 IDENTIFICATION: OMEGA 12.2  
 TEST AA-106-406  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE:	75 METERS														
	98.5	104.7	108.1	109.5	114.0	114.5	116.4	116.1	115.1	111.6	108.5	109.4	108.9	108.3	118.1	124.5
	107.2	107.2	108.4	109.5	108.6	106.6	104.3	103.5	101.6	100.6	100.7	96.2	95.7			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	98.5	104.8	108.4	110.1	115.2	114.4	117.2	117.3	116.0	111.7	105.3	101.7	98.0	97.6	111.1	124.0
	96.0	94.7	93.5	94.6	96.3	96.7	96.5	99.0	97.9	98.7	98.7	95.1	94.1			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	98.4	104.6	107.8	108.9	112.4	114.5	115.4	114.6	114.0	111.6	110.4	112.0	111.8	111.1	120.7	124.9
	110.1	110.1	111.3	112.5	111.5	109.4	106.9	105.6	103.6	102.0	102.0	97.0	96.9			
B	DIST FROM SOURCE: 230 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	90.2	96.8	99.7	98.1	94.8	95.1	93.1	89.3	86.8	85.0	85.7	88.3	90.0	90.0	100.1	106.3
	90.1	91.1	91.4	92.1	90.3	86.1	83.4									
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	85.6	91.7	94.6	91.0	83.3	80.7	79.4	79.8	80.4	80.3	82.4	86.0	89.2	90.9	96.3	101.1
	90.3	90.4	88.9	85.7	82.9	81.2	78.0	72.2								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	79.9	85.9	84.5	74.1	66.8	70.7	73.8	76.5	77.8	78.3	79.9	83.9	85.8	86.6	89.3	94.3
	84.4	82.6	77.8	71.0	70.6	65.0										
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	73.6	76.1	71.8	67.4	65.3	65.1	68.1	71.4	73.9	75.7	79.2	79.9	79.3	82.5	87.1	
	77.6	75.2	69.3	62.1	58.0	52.6										
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	75.8	71.8	69.4	68.7	65.2	65.5	68.5	72.3	74.6	75.9	78.4	78.1	77.3	80.4	86.0	
	74.5	72.3	66.9	58.0	50.7	44.2										
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	74.0	71.4	69.2	67.8	63.2	64.2	68.8	73.1	75.6	76.2	79.4	79.8	79.9	82.2	87.1	
	76.9	73.3	68.0	58.6	49.7	44.7										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	71.1	71.5	69.6	68.3	63.1	64.6	68.6	73.2	74.8	74.9	77.8	78.5	77.5	80.4	85.7	
	75.2	71.8	65.8	55.8	48.6											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 407) MICROPHONE ARRAY 05  
 SOUND SOURCE: C-135A (LOCATION 01) DATE 13 JAN 81  
 IDENTIFICATION: ONCEBA 12.2  
 TEST AA-105-407  
 DATE 05 FEB 87  
 PAGE 71

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	501	AL (DB)	OSPL (DB)
U	1-3 OBSPL (99) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1120	1400	1800	2400	3150	4000	5000	6300	8000	10000	12500	15750	20000	25000
DIST FROM SOURCE: 66 METERS	100.1	106.6	110.1	112.6	116.5	118.4	121.2	122.5	123.6	121.3	118.5	119.7	119.7	118.0	126.1	131.5
DIST FROM SOURCE: 66 METERS	116.8	117.2	117.0	116.6	114.5	112.2	110.6	110.1	108.0	107.3	107.3	101.8	103.9			
DIST FROM SOURCE: 66 METERS	100.2	106.8	110.5	113.2	117.4	118.6	121.8	122.6	123.1	119.6	113.1	109.5	107.7	107.7	117.2	129.3
DIST FROM SOURCE: 66 METERS	106.6	104.2	102.9	102.1	101.0	101.1	100.4	100.3	99.6	99.3	100.7	96.9	97.4			
DIST FROM SOURCE: 66 METERS	100.1	106.5	109.6	111.8	115.4	118.2	120.5	122.4	124.0	122.5	120.8	122.5	122.6	120.4	128.8	133.0
DIST FROM SOURCE: 66 METERS	119.6	120.1	120.0	119.5	117.4	115.1	113.6	112.9	110.7	110.0	109.8	104.1	106.4			
DIST FROM SOURCE: 134 METERS	93.7	99.8	103.0	104.0	104.5	107.4	106.3	104.2	103.2	100.0	99.2	101.4	102.0	100.7	108.3	115.5
DIST FROM SOURCE: 134 METERS	100.6	100.5	100.4	99.3	98.0	97.2	95.5	94.6	92.9	91.8	89.6	88.1	86.2			
DIST FROM SOURCE: 238 METERS	91.1	96.6	99.9	99.3	95.3	94.9	93.3	90.7	88.7	85.0	84.7	86.6	87.4	86.5	93.4	105.8
DIST FROM SOURCE: 238 METERS	85.8	85.0	84.7	82.9	81.7	80.6	77.4	74.9	71.1	68.9						
DIST FROM SOURCE: 431 METERS	86.6	91.6	94.8	93.6	89.3	76.9	78.8	77.3	73.2	68.2	69.6	71.3	71.8	71.0	79.1	99.2
DIST FROM SOURCE: 431 METERS	72.2	71.5	70.9	68.7	67.1	64.7	60.1									
DIST FROM SOURCE: 753 METERS	76.7	81.7	84.6	82.1	75.9	65.6	61.2	63.0	62.6	62.2	63.0	65.9	66.0	66.0	71.7	88.6
DIST FROM SOURCE: 753 METERS	65.4	65.1	63.6	60.9	58.1	53.8										
DIST FROM SOURCE: 1255 METERS	72.9	78.0	79.1	74.3	66.2	62.0										
DIST FROM SOURCE: 1255 METERS	61.8	60.2	57.3	52.7	47.8											
DIST FROM SOURCE: 2087 METERS	64.1	66.1	62.3													
DIST FROM SOURCE: 2087 METERS	52.1	50.0														
DIST FROM SOURCE: 2377 METERS	64.7	65.7	62.9	55.6												
DIST FROM SOURCE: 2377 METERS	53.2	50.4	45.5	39.1												
OVERALL SAMPLE DURATION: 34 SEC	53.2 52.7 52.3 54.3 55.2 55.7 54.6 57.6 69.8															
OVERALL SAMPLE DURATION: 35 SEC	56.1 57.0 56.8 55.5 58.7 69.9															



1-0

1-1

1-25

2-8  
3-15  
3-6  
4-0  
5-5

1-4

2-2

2-0

1-8

1-6



TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( ) NUMBER 408 ( ) ARRAY 05 ( )  
 LOCATION 01 MT AGL 1.5 M ( ) DATE 13 JAN 81 ( ) DATE 05 FEB 87  
 ( ) ( ) ( ) PAGE F1

IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-408 )

MICROPHONE LOCATION	1/3 OBSPPL (DB) FOR GIVEN FREQ BAND (HZ)											AL (DBA)	OASPL (DB)		
	25	31.5	40	50	63	80	100	125	160	200	250			315	400
U	DIST FROM SOURCE: 66 METERS													126.0	131.5
	100.2	106.6	110.2	112.3	116.3	118.4	121.3	122.8	123.4	121.3	119.7	119.6	119.7	117.9	
	116.8	117.0	116.9	116.6	114.4	112.2	110.6	109.9	107.9	107.4	107.2	101.7	103.8		
	DIST FROM SOURCE: 66 METERS													117.1	129.3
	100.3	106.8	110.7	112.9	117.2	118.6	121.8	122.9	123.0	119.6	113.0	109.5	108.0	107.2	
S	DIST FROM SOURCE: 66 METERS													128.7	133.0
	100.0	106.5	109.8	111.6	115.2	118.3	120.6	122.7	123.8	122.5	121.0	122.4	122.6	120.7	
	119.6	119.9	119.5	117.3	115.0	113.5	112.7	110.6	110.1	109.7	104.0	106.3			
	DIST FROM SOURCE: 134 METERS													108.7	115.5
	93.9	100.1	103.2	103.9	104.5	107.6	106.6	104.8	103.5	100.3	99.4	101.5	101.8	100.5	
T	DIST FROM SOURCE: 238 METERS													92.0	106.0
	91.3	96.9	100.2	99.3	95.6	95.5	94.0	91.6	89.4	85.9	85.4	86.1	84.9		
	84.0	82.8	81.0	80.2	79.2	79.2	75.7	73.4	69.3	68.6					
	DIST FROM SOURCE: 431 METERS													80.8	99.4
	86.8	91.9	95.0	93.5	88.9	76.2	80.5	79.1	75.6	71.1	71.5	73.5	74.0	73.4	
B	DIST FROM SOURCE: 753 METERS													72.8	88.9
	77.1	82.0	85.2	82.2	75.6	64.9	63.7	63.9	62.7	62.9	64.0	66.8	67.4	67.3	
	66.7	66.2	64.7	61.9	59.0	54.8									
	DIST FROM SOURCE: 1255 METERS													68.2	84.2
	74.3	79.1	80.3	74.3	66.1	62.3	59.7	60.5	60.1	59.0	60.7	63.5	64.1	64.1	
C	DIST FROM SOURCE: 2087 METERS													57.0	71.1
	66.6	68.0	64.6												
	52.3	50.5													
	DIST FROM SOURCE: 2377 METERS													59.0	72.3
	67.2	67.4	65.1	55.8											
E	DIST FROM SOURCE: 2377 METERS														
	53.3	50.6	45.4	39.6											
	OVERALL SAMPLE DURATION: 35 SEC													59.0	72.3
	OVERALL SAMPLE DURATION: 34 SEC													57.0	71.1
	OVERALL SAMPLE DURATION: 54.6 55.4 55.8 54.5													57.0	71.1

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
OMEGA 12.2  
TEST AA-105-409

STATION 1: MRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: )  
SOUND SOURCE: C-135A ( NUMBER 409 ) ARRAY 05 )  
LOCATION 01 HT AGL 1.5 M ( DATE 13 JAN 81 ) )  
( ) ( ) ( ) ( ) ( ) ( ) ( )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
99.8 106.9 110.4 112.5 116.5 118.3 121.4 122.7 123.3 121.4 118.6 119.5 119.8 117.9	OVERALL SAMPLE DURATION: 35 SEC															
116.8 117.0 116.9 116.5 114.4 112.3 110.8 110.0 107.9 107.2 107.2 101.7 103.7																
S	66 METERS OVERALL SAMPLE DURATION: 35 SEC															
99.9 107.0 110.8 113.1 117.4 118.4 121.9 122.8 122.9 119.7 112.9 109.5 107.9 107.1																
106.4 103.7 102.5 101.4 100.7 100.2 99.3 99.3 98.9 98.1 99.4 95.7 96.4																
T	66 METERS OVERALL SAMPLE DURATION: 35 SEC															
99.7 106.8 109.9 111.8 115.5 118.1 120.7 122.6 123.7 122.6 120.9 122.3 122.7 120.7																
119.6 119.9 119.4 117.3 115.1 113.6 112.8 110.6 110.0 109.8 104.1 106.3																
A	134 METERS OVERALL SAMPLE DURATION: 37 SEC															
99.6 100.5 103.5 104.0 104.8 107.3 106.8 104.7 103.6 100.6 99.5 101.6 102.3 100.9																
100.1 99.8 99.6 98.7 97.1 96.3 94.4 93.4 91.2 89.7 87.8 86.0 84.7																
B	238 METERS OVERALL SAMPLE DURATION: 36 SEC															
90.9 97.2 100.4 99.3 95.8 95.2 94.3 91.6 89.5 86.4 85.5 87.2 87.2 85.9																
84.4 83.7 84.1 82.6 81.6 80.1 76.8 74.2 70.4 68.7																
C	431 METERS OVERALL SAMPLE DURATION: 35 SEC															
86.6 92.4 95.5 93.8 89.4 76.6 81.1 80.4 77.2 72.9 72.8 73.7 74.2 73.4																
74.3 73.6 72.8 70.3 68.6 66.2 62.1 57.6																
D	753 METERS OVERALL SAMPLE DURATION: 35 SEC															
77.0 82.6 85.6 82.8 76.6 64.5 65.4 64.4 65.3 67.5 68.3 68.5 73.7																
67.9 67.0 65.4 62.8 60.0 55.6																
E	1255 METERS OVERALL SAMPLE DURATION: 34 SEC															
74.3 80.1 81.1 75.7 67.9 61.7																
62.5 61.5 58.8 54.3 49.5																
G	2087 METERS OVERALL SAMPLE DURATION: 35 SEC															
66.7 69.5 67.6 58.0 57.0 55.7																
53.3 51.0																

IDENTIFICATION: OMEGA 12.2  
 TEST AA-106-410  
 DATE 05 FEB 87  
 PAGE F1  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 410  
 SOUND SOURCE: C-135A ( DATE 13 JAN 81  
 LOCATION 02 HT AGL 1.5 M ( MICROPHONE: ARRAY 06

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS		
25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
99.1	104.3	107.4	109.1	113.9	113.8	115.8	116.5	115.4	111.1	108.8	109.6	109.3	109.0	118.3	124.5	
108.3	108.1	108.9	109.4	108.3	106.5	104.5	103.7	101.8	100.6	100.7	96.1	96.0				
S	DIST FROM SOURCE: 75 METERS															
99.1	104.4	107.6	109.5	115.0	113.7	116.5	117.6	116.3	111.1	105.7	101.7	98.5	98.0	110.8	123.9	
96.6	95.2	94.2	94.5	96.2	96.6	95.9	97.8	98.0	97.8	98.0	94.8	94.4				
T	DIST FROM SOURCE: 75 METERS															
99.1	104.2	107.2	108.6	112.3	113.8	115.0	114.2	111.2	110.5	112.2	112.2	111.8				
111.1	111.0	111.9	112.4	111.1	109.3	107.2	106.1	103.7	102.3	102.3	97.2	97.2				
B	DIST FROM SOURCE: 238 METERS															
90.9	96.6	99.0	97.9	94.5	95.0	92.4	89.7	87.5	85.5	88.2	91.9	93.3	94.4	103.9	107.6	
94.7	96.1	96.3	95.9	94.8	92.4	88.6	87.1	83.7								
C	DIST FROM SOURCE: 423 METERS															
86.4	91.4	94.0	90.3	83.1	80.3	80.0	80.9	80.7	81.7	84.5	87.6	90.9	92.6	99.8	102.8	
93.5	94.5	93.2	90.0	86.7	83.9	82.5										
E	DIST FROM SOURCE: 1255 METERS															
81.1	86.0	84.9	73.8	65.8	71.7	74.5	75.9	76.5	75.3	78.1	83.6	84.8	86.1	89.8	94.5	
86.0	84.0	79.6	74.4	68.3	65.0											
F	DIST FROM SOURCE: 1757 METERS															
75.8	76.5	73.1	67.8	65.1	66.2	72.4	74.8	76.0	77.4	80.8	82.1	83.4	84.3	86.4	91.0	
81.3	78.6	72.7	66.3	61.4	55.7											
G	DIST FROM SOURCE: 2079 METERS															
77.8	75.8	72.9	69.4	68.5	67.5	73.3	76.3	77.5	78.2	80.5	81.5	82.5	80.8	84.2	90.0	
78.3	76.0	71.2	62.1	54.5	50.5											
H	DIST FROM SOURCE: 2273 METERS															
76.4	76.9	73.9	69.0	60.0										82.6	87.4	
76.9	73.9	69.0	60.0													
I	DIST FROM SOURCE: 2377 METERS															
73.5	71.7	70.3	67.7											81.0	86.5	
73.4	72.2	65.8	56.9	50.6	66.3	68.3	71.1	74.0	73.9	74.5	79.4	79.3	78.0			

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 411 ) ) ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 13 JAN 81 ) ) ) TEST AA-106-411 )  
 ( ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)				AL (DBA)	OASPL (DB)										
	25	40	50	63	80	100	125	160	200	250	315	400	500			
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC															
	98.4	104.5	107.8	109.2	113.4	113.8	116.0	116.3	115.1	111.4	108.8	109.4	108.9	108.5	118.8	124.5
	107.7	108.6	109.8	110.5	109.1	107.0	104.7	104.2	102.3	101.2	101.2	96.7	96.3			
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC															
	98.5	104.6	108.0	109.7	114.6	113.8	116.7	117.4	116.0	111.4	105.8	101.6	98.3	98.1	111.6	123.8
	96.6	96.2	95.7	95.9	97.5	98.1	97.9	99.9	99.1	99.3	99.5	95.8	94.9			
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC															
	98.3	104.4	107.5	108.7	111.8	113.9	115.2	114.8	113.9	111.3	110.6	112.0	111.7	111.3	121.3	125.1
	110.5	111.5	112.7	113.4	112.0	109.7	107.2	106.3	104.2	102.4	102.5	97.5	97.3			
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC															
	89.9	96.6	99.0	97.4	94.1	95.3	91.6	87.7	85.3	85.3	88.6	92.5	94.8	95.6	104.6	107.9
	95.4	97.1	97.5	96.3	94.9	92.4	89.2	87.7	85.6	83.6						
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 36 SEC															
	84.4	91.1	93.7	90.0	82.0	78.2	78.1	77.7	76.6	77.4	81.4	85.3	88.9	91.6	98.2	101.6
	91.9	93.1	91.6	88.1	84.9	81.7	78.9	73.7	71.0							
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 37 SEC															
	79.7	85.7	84.7	74.9	65.0	67.7	69.3	69.6	71.0	71.2	74.6	78.7	81.1	82.2	85.4	91.8
	81.9	78.2	75.0	69.4	64.1	57.9										
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 37 SEC															
	73.9	76.0	72.6	68.0	64.5	65.8	69.2	71.7	71.1	72.2	75.5	79.3	79.0	79.5	81.8	87.0
	75.8	74.3	68.8	61.7	56.0											
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 36 SEC															
	75.2	75.0	72.6	70.0	68.5	67.3	71.4	70.2	71.9	75.4	76.0	77.7	76.8	79.3	85.5	
	73.0	70.8	66.3	57.7	48.0											
M	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 36 SEC															
	73.3	73.2	71.9	69.6	67.6	62.5	65.0	65.6	67.9	70.0	72.5	74.8	75.5	75.1	77.5	83.8
	71.9	68.1	63.9	55.1	46.0											
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 36 SEC															
	70.6	70.9	69.8	68.3	62.4	63.1	64.9	67.3	68.5	70.7	73.4	73.3	73.1	75.8	81.9	
	70.9	67.2	61.5	52.8												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 412 ) ARRAY 06 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 13 JAN 81 ) ) TEST AA-106-412  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.6	104.5	107.1	109.0	113.6	113.9	116.2	116.3	115.0	111.4	108.7	109.4	108.8	108.6	118.4	124.4
	107.6	108.1	109.1	109.8	108.5	106.7	104.6	103.8	101.8	100.5	100.7	96.1	95.9			
S	DIST FROM SOURCE: 75 METERS															
	98.6	104.6	107.3	109.5	114.8	114.0	116.9	117.4	115.8	111.4	105.5	101.8	97.9	97.7	110.8	123.8
	96.1	95.4	94.5	94.9	96.3	96.6	95.7	97.7	97.3	98.0	98.2	94.9	94.6			
T	DIST FROM SOURCE: 75 METERS															
	98.5	104.4	106.9	108.5	112.0	113.9	115.3	114.8	113.9	111.4	110.6	112.1	111.6	111.4	121.0	124.9
	110.4	111.0	112.7	111.4	109.5	107.3	106.2	104.0	102.1	102.3	97.1	96.9				
B	DIST FROM SOURCE: 238 METERS															
	90.3	96.6	98.4	97.4	94.4	95.2	92.3	89.0	86.1	86.1	88.9	93.2	95.5	96.9	105.5	108.5
	97.3	98.9	98.5	96.6	94.7	93.0	89.9	87.9	84.1	82.7						
C	DIST FROM SOURCE: 423 METERS															
	86.2	92.1	93.8	90.0	82.0	79.9	80.5	80.7	80.7	81.8	84.0	87.1	90.3	92.9	98.8	102.3
	92.5	93.6	92.0	88.7	84.7	82.7	80.9									
E	DIST FROM SOURCE: 1255 METERS															
	80.6	86.0	84.1	72.9	65.2	69.2	70.6	73.1	74.7	75.9	77.6	80.9	82.4	85.8	87.5	93.0
	82.0	80.6	77.8	71.6	66.0	62.7										
F	DIST FROM SOURCE: 1757 METERS															
	75.0	76.4	72.1	67.0			67.2	70.5	72.7	75.3	78.6	80.0	80.6	80.8	83.5	88.4
	78.2	76.1	70.9	63.2	56.9	52.5										
G	DIST FROM SOURCE: 2079 METERS															
	77.0	75.5	72.2	69.4	68.0	67.7	71.2	73.8	74.9	76.4	77.3	80.1	81.1	80.9	84.0	89.0
	79.2	76.8	71.9	62.9	56.1											
H	DIST FROM SOURCE: 2273 METERS															
	75.1	74.1	71.8	68.4	64.2	66.9	69.8	73.3	74.8	75.7	79.1	78.7	77.7		80.6	86.5
	74.8	71.3	65.5	56.3	47.1											
I	DIST FROM SOURCE: 2377 METERS															
	72.5	71.7	69.9	67.4	64.3	67.4	70.5	73.3	73.0	74.3	78.2	78.0	77.4		80.0	85.6
	73.9	71.4	64.5	55.5	49.8											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-413  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 413 ) ARRAY OS  
 LOCATION 01 HT AGL 1.5 M ( DATE 19 JAN 81 ) )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)					
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	127.1	132.2	
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
	DIST FROM SOURCE: 66 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
S	101.8	107.2	110.6	112.2	115.8	118.5	121.4	123.1	124.0	122.2	120.1	120.0	120.8	118.8	117.8	129.8	
	117.4	118.2	118.1	117.3	115.6	113.7	112.0	111.2	111.6	107.9	107.8	103.3	103.5				
	DIST FROM SOURCE: 66 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
T	101.3	107.3	111.0	112.9	117.7	118.8	122.0	123.2	123.7	120.5	114.0	110.4	108.7	108.6	129.8	133.8	
	107.3	104.9	103.5	102.1	101.7	101.1	100.3	100.5	106.5	99.0	99.7	96.4	96.3				
	DIST FROM SOURCE: 66 METERS																
	OVERALL SAMPLE DURATION: 37 SEC																
A	99.4	100.1	102.9	103.3	104.3	107.2	109.7	104.0	103.0	99.7	99.2	101.4	102.2	101.5	109.1	115.3	
	101.0	100.7	99.9	99.0	97.6	96.8	95.0	94.2	92.1	90.5	87.9	86.0	84.8				
	DIST FROM SOURCE: 134 METERS																
	OVERALL SAMPLE DURATION: 37 SEC																
B	90.6	96.8	99.9	98.9	95.4	94.5	93.3	90.8	89.0	85.6	84.9	86.0	86.8	85.8	92.6	105.7	
	84.4	84.0	84.2	82.3	80.6	79.2	75.9	73.2	69.2	67.7							
	DIST FROM SOURCE: 238 METERS																
	OVERALL SAMPLE DURATION: 37 SEC																
C	86.3	91.8	94.7	93.2	89.3	78.2	78.2	77.5	79.2	71.1	71.3	72.5	73.8	74.2	80.9	99.2	
	74.2	73.3	73.1	78.8	69.1	66.4	62.0	57.3									
	DIST FROM SOURCE: 431 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
D	75.6	81.5	84.3	81.3	75.2	65.4									69.1	88.0	
	63.2	62.6	60.5	57.6	54.3	50.1											
	DIST FROM SOURCE: 753 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
E	74.1	79.1	80.4	74.1	66.7									64.9	84.1		
	59.6	57.8	54.4	49.7	44.7												
	DIST FROM SOURCE: 1255 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
F	68.9	72.5	73.2	64.1	58.0									60.4	76.5		
	54.8	52.8	48.5	42.6													
	DIST FROM SOURCE: 1757 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
G	51.4	49.2												53.6	55.0		
	DIST FROM SOURCE: 2087 METERS																
	OVERALL SAMPLE DURATION: 38 SEC																
	51.4 51.6 51.1 53.4 54.8 55.0 53.6																



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 ( SOUND SOURCE: C-135A ( DATE: 13 JAN 81 ) ) ARRAY 05 ) OMEGA 12.2  
 ( LOCATION 01 MT AGL 1.5 M ( ) ) ) ) TEST AA-108-415  
 ( ) ) ) ) DATE 05 FEB 87  
 ( ) ) ) ) PAGE 71

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.8	107.2	111.0	113.0	116.9	118.9	122.1	123.0	124.0	122.5	120.2	120.0	120.7	118.8	127.0	132.3
	117.5	118.1	118.0	117.2	115.4	113.5	111.8	111.0	111.1	107.8	107.9	103.2	103.5			
S	DIST FROM SOURCE: 66 METERS															
	101.3	107.4	111.4	113.7	117.7	119.1	122.7	123.1	123.6	120.8	114.1	110.2	108.3	108.5	117.5	130.0
	107.3	104.5	102.9	101.0	100.4	100.0	99.2	99.4	98.9	97.2	97.5	94.9	95.2			
T	DIST FROM SOURCE: 66 METERS															
	102.2	107.1	110.5	112.2	115.9	118.6	121.5	122.9	124.4	123.7	122.6	122.8	123.6	121.6	129.8	133.8
	120.3	121.1	121.0	120.1	118.4	116.4	114.6	113.9	113.9	110.6	110.7	105.9	106.2			
A	DIST FROM SOURCE: 134 METERS															
	93.5	100.0	103.4	104.2	104.6	107.8	106.7	104.5	103.8	101.1	100.5	102.1	102.6	101.5	107.8	115.6
	100.2	99.3	98.0	96.4	94.9	94.2	92.4	91.2	88.6	86.8	84.3	83.9				
B	DIST FROM SOURCE: 238 METERS															
	90.6	96.7	100.2	99.6	95.7	94.5	94.0	91.2	89.6	86.6	86.4	87.8	88.0	86.3	92.4	106.0
	84.4	83.9	82.6	80.7	79.3	77.7	74.3	71.8	67.9							
C	DIST FROM SOURCE: 431 METERS															
	86.2	91.6	95.0	93.8	89.7	78.2	78.3	77.0	72.5	68.7	69.7	71.9	74.1	73.6	80.1	99.4
	74.1	72.5	71.8	69.3	67.5	64.9	60.6	57.1								
D	DIST FROM SOURCE: 753 METERS															
	75.9	81.7	85.1	82.7	76.4	65.2	60.9	62.5	60.1	60.8	61.7	65.0	65.8	66.1	71.2	88.9
	65.2	64.7	62.7	59.9	56.7	52.3										
E	DIST FROM SOURCE: 1255 METERS															
	74.6	79.6	81.3	77.0	70.0	64.1	60.4	58.9	59.4	58.1	59.7	62.4	63.5	63.0	67.2	84.0
	62.0	60.3	57.5	52.8	47.6											
F	DIST FROM SOURCE: 1757 METERS															
	56.8	55.1	50.6	45.2												
	71.3	69.6			57.9	55.4	54.3	54.7	54.9	57.1	59.1	59.6	58.9	62.3	73.4	
G	DIST FROM SOURCE: 2087 METERS															
	66.7	69.5	65.3	58.9												
	54.2	51.9														
I	DIST FROM SOURCE: 2377 METERS															
	68.8	69.5	67.7													
	56.8	53.7	48.2	41.3												



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-416  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 416 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 13 JAN 81 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.6	107.2	110.9	112.7	116.7	118.6	122.0	123.3	124.1	122.4	120.3	120.1	120.7	118.8	127.1	132.3
	117.6	118.0	118.0	117.2	115.6	113.8	112.0	111.4	111.3	108.3	108.3	103.6	103.8			
S	DIST FROM SOURCE: 66 METERS															
	101.4	107.4	111.3	113.3	117.5	118.9	122.5	123.4	123.7	120.6	114.3	110.4	108.2	108.3	117.3	130.0
	107.0	104.1	102.6	100.5	99.6	98.9	97.8	97.8	97.6	96.1	96.8	94.4	94.7			
T	DIST FROM SOURCE: 66 METERS															
	101.0	107.1	110.4	111.9	115.6	118.3	121.3	123.2	124.5	123.6	122.7	122.8	123.6	121.6	129.9	133.9
	120.4	120.9	121.0	120.2	118.6	116.7	114.9	114.3	114.3	111.2	111.1	106.3	106.5			
A	DIST FROM SOURCE: 134 METERS															
	93.5	100.0	103.3	103.7	104.4	107.5	106.4	103.5	100.6	100.0	101.6	101.9	100.7		107.2	115.2
	99.6	98.7	97.6	96.0	94.2	93.2	91.1	90.1	87.9	85.9	82.9	82.2				
B	DIST FROM SOURCE: 238 METERS															
	90.7	96.8	100.2	99.3	95.9	94.6	93.9	91.5	90.1	86.6	85.7	86.0	85.4	84.5	91.7	106.0
	83.5	83.3	82.7	81.1	79.2	77.5	74.0	71.7	67.8							
C	DIST FROM SOURCE: 431 METERS															
	86.3	91.6	94.9	93.4	89.8	77.9	79.1	78.2	74.8	70.9	70.8	72.1	72.5	72.7	79.8	99.3
	72.6	72.3	71.7	69.5	67.8	65.0	61.0	56.9								
D	DIST FROM SOURCE: 753 METERS															
	75.1	80.7	84.0	81.1	75.7	65.7	62.2	58.6	58.9	60.1	63.6	63.4	64.0	69.0	87.7	
	63.0	62.4	60.0	57.5	54.5	50.2										
E	DIST FROM SOURCE: 1255 METERS															
	74.2	79.0	80.8	75.1	67.5											
	60.8	59.4	56.2	51.8	46.9											
F	DIST FROM SOURCE: 1757 METERS															
	72.5	71.6	66.9	60.7												
	56.0	54.5	49.5	44.5												
G	DIST FROM SOURCE: 2087 METERS															
	66.5	69.5	67.8	60.3												
	53.3	50.9														
I	DIST FROM SOURCE: 2377 METERS															
	67.8	69.3	67.9													
	55.5	52.6	47.7	41.1												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-417

STATION 1: MRIGHT-PATERSON AFB ( EVENT: NUMBER 417 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE 13 JAN 81 ) ARRAY 05 )  
 LOCATION 01 MT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)											AL (DBA)	OBSPL (DB)			
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	126.8	132.2
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 66 METERS	OVERALL SAMPLE DURATION: 36 SEC															
101.7	107.1	110.9	112.7	116.7	118.9	121.6	123.1	123.9	122.2	120.3	119.9	120.7	118.7			
117.3	117.8	117.8	117.0	115.2	113.3	111.7	110.8	110.7	107.7	107.7	109.0	109.0	109.3			
DIST FROM SOURCE: 66 METERS	OVERALL SAMPLE DURATION: 36 SEC															
101.4	107.2	111.4	113.4	117.6	119.2	122.2	123.2	123.5	120.5	114.4	110.3	108.4	108.7	117.4	129.9	
107.2	104.5	103.0	101.1	100.4	99.8	99.0	99.0	98.6	96.8	97.4	94.9	94.9	94.9			
T	DIST FROM SOURCE: 66 METERS															
102.0	107.0	110.4	111.8	115.6	118.6	120.9	122.9	124.2	123.4	122.7	122.7	123.6	121.5	129.6	193.7	
120.1	120.7	120.0	118.1	116.3	114.6	113.6	113.6	110.6	110.6	110.5	105.7	105.7	106.0			
DIST FROM SOURCE: 134 METERS	OVERALL SAMPLE DURATION: 37 SEC															
93.9	99.9	103.3	103.7	104.5	107.6	106.0	104.3	103.3	100.4	99.9	101.5	102.0	101.0	107.7	115.3	
100.0	99.2	98.5	97.2	95.4	94.5	92.1	90.9	88.4	86.5	83.4	81.9					
DIST FROM SOURCE: 238 METERS	OVERALL SAMPLE DURATION: 36 SEC															
90.6	96.7	100.3	99.3	95.9	94.6	93.4	91.0	89.5	86.1	86.1	87.1	87.6	86.0	92.3	106.0	
83.5	83.0	83.2	81.8	79.9	78.4	75.0	72.2	68.5	67.1							
DIST FROM SOURCE: 431 METERS	OVERALL SAMPLE DURATION: 35 SEC															
86.5	91.7	95.1	93.6	89.7	76.8	79.0	77.8	73.1	69.4	70.9	72.6	73.7	73.4	80.2	99.4	
73.2	72.7	72.0	69.8	68.1	65.9	62.0										
DIST FROM SOURCE: 753 METERS	OVERALL SAMPLE DURATION: 35 SEC															
76.3	81.9	85.4	82.4	76.8	65.3	61.8	61.5	60.6	59.6	61.8	63.6	64.0	64.3	69.6	89.0	
63.4	63.1	61.1	58.2	55.1	50.9											
DIST FROM SOURCE: 1255 METERS	OVERALL SAMPLE DURATION: 35 SEC															
74.8	79.8	81.7	76.2	69.5	63.3	60.4	58.7	57.6	57.6	59.1	61.8	62.7	62.1	66.2	85.3	
60.7	58.1	56.0	51.4	46.4												
DIST FROM SOURCE: 1757 METERS	OVERALL SAMPLE DURATION: 36 SEC															
70.3	73.4	73.0	67.5	62.1	59.6	58.5	54.6	55.0	55.7	57.6	58.7	58.6	57.2	61.1	78.1	
55.1	53.3	48.8	43.5													
DIST FROM SOURCE: 2087 METERS	OVERALL SAMPLE DURATION: 36 SEC															
68.7	70.1	69.1	61.6											58.2	74.3	
52.1	50.2															
DIST FROM SOURCE: 2377 METERS	OVERALL SAMPLE DURATION: 36 SEC															
69.0	70.3	68.6				59.7	60.0	59.0	56.1	56.3	56.4	58.0	59.8	59.3	61.3	75.0
55.2	52.0	47.1	40.5													

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		( EVENT: )		MICROPHONE: )		IDENTIFICATION: )	
SOUND SOURCE: C-135A		NUMBER 418		ARRAY		OMEGA 12.2	
LOCATION 02 HT AGL 1.5 M		DATE 13 JAN 81		06		TEST AA-106-418	
A/C 10 FT. PAST STAKES						DATE 05 FEB 87	
						PAGE F1	
MICROPHONE LOCATION		1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)		AL		OASPL (DB)	
U	25 31.5 40 50 60 80 100 125 160 200 250 315 400 500						
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 BK 10K						
	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	98.9 104.1 107.0 108.4 113.6 113.4 116.2 116.3 115.4 111.8 110.3 111.6 112.7 112.2						120.4 125.3
	110.7 111.1 111.5 111.4 109.6 107.6 105.8 105.7 104.5 102.6 102.2 97.6 97.2						
S	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	98.8 104.1 107.2 109.0 114.9 113.6 117.0 117.5 116.3 112.0 107.0 104.0 102.1 102.5						114.0 124.2
	100.3 99.5 98.6 98.6 100.9 101.8 101.3 103.4 102.4 101.8 101.0 96.9 96.3						
T	DIST FROM SOURCE: 75 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	98.9 104.1 106.7 107.8 111.8 113.1 115.1 114.6 114.1 111.5 112.1 114.3 115.5 115.0						122.8 126.1
	113.6 113.9 114.4 114.3 112.3 110.0 107.9 107.3 105.9 103.2 103.1 98.3 98.0						
A	DIST FROM SOURCE: 134 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	95.2 100.7 104.6 105.3 108.3 109.5 108.3 102.0 98.3 96.7 98.3 102.1 103.9 104.3						113.7 117.8
	103.4 104.6 105.1 105.3 105.4 103.4 99.0 96.8 94.3 92.2 88.7 85.6 82.6						
B	DIST FROM SOURCE: 238 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	90.1 96.5 98.5 97.9 95.4 94.2 93.3 89.8 87.1 84.7 87.5 91.6 94.4 95.8						106.8 109.0
	96.2 98.4 99.7 99.7 98.8 94.5 89.5 88.8 84.1 82.4						
C	DIST FROM SOURCE: 423 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	84.7 90.6 92.7 90.2 83.4 74.1 78.1 78.2 77.4 78.1 82.3 85.3						98.5 101.2
	88.6 91.4 92.6 92.3 88.4 82.5 76.0 73.9						
D	DIST FROM SOURCE: 753 METERS	OVERALL SAMPLE DURATION: 34 SEC					
	80.8 87.3 88.3 82.7 71.9 68.1 70.5 69.1 67.7 70.1 74.4 81.4 85.1 87.4						92.8 96.5
	88.4 88.6 84.0 80.5 76.9 69.8 64.4 57.5						
E	DIST FROM SOURCE: 1255 METERS	OVERALL SAMPLE DURATION: 34 SEC					
	77.4 83.7 82.8 73.7 65.3 62.4 63.7 64.2 63.8 65.7 70.3 75.9 80.6 82.3						85.6 90.6
	79.9 80.8 77.2 70.4 63.5 56.4						
F	DIST FROM SOURCE: 1757 METERS	OVERALL SAMPLE DURATION: 34 SEC					
	70.0 73.8 70.0 65.2	OVERALL SAMPLE DURATION: 34 SEC					
	72.9 71.5 67.5 59.9 51.7	59.3 61.6 67.0 73.2 76.1 76.0					78.4 82.9
G	DIST FROM SOURCE: 2079 METERS	OVERALL SAMPLE DURATION: 35 SEC					
	72.0 73.3 67.5 66.2	OVERALL SAMPLE DURATION: 35 SEC					
	71.9 69.7 64.4 56.1 46.0	60.6 65.7 73.2 75.9 73.8					77.1 82.2
H	DIST FROM SOURCE: 2273 METERS	OVERALL SAMPLE DURATION: 33 SEC					
	70.1 71.9 66.8 65.6	OVERALL SAMPLE DURATION: 33 SEC					
	71.0 69.1 62.2 52.5 42.2	60.4 63.1 68.0 73.5 75.5 72.6					76.3 81.4
I	DIST FROM SOURCE: 2377 METERS	OVERALL SAMPLE DURATION: 34 SEC					
	67.4 69.2 65.3 64.3	OVERALL SAMPLE DURATION: 34 SEC					
	67.1 64.0 58.3 51.5	68.1 71.7 72.6 68.8					73.0 78.5

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 419 ) ARRAY 06 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 13 JAN 81 ) )  
 A/C 10 FT. PAST STAKES ( ) )

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-419

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OR SPL (DB)
U DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.7	103.9	107.2	108.4	114.0	113.3	115.5	116.1	115.3	111.6	110.3	111.4	112.6	111.6	119.7	124.9
	110.1	110.0	110.4	110.7	109.4	107.3	105.0	104.6	103.5	101.5	101.4	96.6	96.6			
S DIST FROM SOURCE: 75 METERS	98.7	103.9	107.4	108.9	115.2	113.5	116.4	117.3	116.2	111.9	107.1	103.6	101.8	102.1	112.8	123.9
	99.6	98.6	97.2	97.2	99.4	100.0	99.2	101.2	100.4	100.1	99.9	96.0	96.0			
T DIST FROM SOURCE: 75 METERS	98.7	103.8	106.9	107.7	112.1	113.2	114.3	114.5	114.1	111.3	112.2	114.0	115.4	114.5	122.3	125.8
	112.9	112.9	113.3	113.6	112.2	109.9	107.4	106.5	105.3	102.6	102.5	97.5	97.1			
B DIST FROM SOURCE: 238 METERS	90.2	96.1	98.8	98.0	95.5	94.7	92.1	89.1	86.9	86.3	90.0	94.5	97.1	97.8	106.8	109.4
	98.1	100.0	100.3	98.7	96.2	93.5	91.2	87.6	84.1	82.5						
C DIST FROM SOURCE: 423 METERS	84.6	90.1	92.8	90.2	83.4	74.1	75.2	75.7	74.4	75.6	79.3	82.6	86.8	88.9	97.5	100.6
	89.9	92.0	91.8	89.1	84.4	80.8	78.9	72.9								
D DIST FROM SOURCE: 753 METERS	80.8	87.3	88.8	83.2	71.5	70.0	70.9	69.8	68.4	69.6	73.1	78.5	82.1	84.1	89.8	96.0
	85.3	85.7	81.3	77.5	72.9	66.5	58.8									
E DIST FROM SOURCE: 1255 METERS	77.4	83.3	83.1	74.8	66.7	62.7	64.6	66.2	66.1	64.5	66.8	72.8	77.3	81.1	83.3	89.5
	79.2	77.1	73.6	67.3	59.6	52.7										
F DIST FROM SOURCE: 1757 METERS	70.4	73.5	70.4	65.0	63.0											
	70.5	68.1	65.3	58.2	49.3											
G DIST FROM SOURCE: 2079 METERS	72.3	74.0	68.8	66.3	66.1	59.3	57.6	58.8	58.5	59.6	62.8	66.9	71.3	72.1	74.0	80.4
	69.5	66.3	62.6	53.2	42.7											
H DIST FROM SOURCE: 2273 METERS	71.3	73.1	68.0	65.5	65.4	59.1	57.4	58.4	58.8	59.7	63.5	67.8	70.5	71.7	73.6	79.8
	69.4	66.0	61.4	52.2												
I DIST FROM SOURCE: 2377 METERS	68.7	70.7	65.4	64.3												
	66.9	63.5	57.7	48.4												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

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IDENTIFICATION:
OMEGA 12.2
TEST AA-106-420
STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE:
SOUND SOURCE: C-135A (NUMBER 420) ARRAY O6
LOCATION 02 HT AGL 1.5 M (DATE 13 JAN 81)
A/C 10 FT. PAST STAKES (
  
```

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)												AL (DBA)	OBSPL (DB)		
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
U	DIST FROM SOURCE: 75 METERS															
	98.1	103.7	106.8	108.3	113.3	113.1	115.6	115.8	114.8	110.9	109.8	110.8	112.0	111.2	119.4	124.6
	109.7	109.9	110.2	110.2	108.7	107.1	105.1	104.9	103.5	101.7	101.6	97.2	96.7			
S	DIST FROM SOURCE: 75 METERS															
	98.3	103.8	107.0	108.9	114.5	113.3	116.4	117.1	115.9	111.2	106.7	103.1	101.6	101.7	113.4	123.7
	99.7	99.1	98.0	98.4	100.8	101.2	100.5	102.5	101.5	100.9	100.7	97.0	96.5			
T	DIST FROM SOURCE: 75 METERS															
	98.0	103.6	106.5	107.6	111.6	112.9	114.5	114.2	113.4	110.5	111.6	113.5	114.8	114.0	121.8	125.4
	112.4	112.7	113.1	113.0	111.4	109.5	107.3	106.4	104.9	102.3	102.3	97.4	96.9			
B	DIST FROM SOURCE: 238 METERS															
	89.7	96.5	98.9	98.5	96.2	94.1	92.7	89.4	87.3	86.2	90.2	94.3	97.5	98.3	107.0	109.6
	98.3	100.3	100.6	99.0	96.2	92.7	90.4	87.3	82.2							
C	DIST FROM SOURCE: 423 METERS															
	83.7	90.3	92.6	89.8	82.9	74.0	76.6	77.5	77.8	76.6	81.3	84.9	88.7	90.6	97.8	101.0
	91.5	92.5	91.5	88.0	83.8	82.0	78.0	72.4								
D	DIST FROM SOURCE: 753 METERS															
	79.0	86.1	87.4	81.6	72.4	70.5	70.2	70.1	70.4	68.7	73.3	82.0	86.8	88.8	91.9	95.9
	87.0	85.3	83.9	79.2	75.1	69.2	63.9	56.8								
E	DIST FROM SOURCE: 1255 METERS															
	75.4	82.2	81.8	79.1	65.0											
	79.8	78.8	74.5	68.4	61.0	53.7										
F	DIST FROM SOURCE: 1757 METERS															
	68.1	71.8	68.6													
	78.4	76.2	70.8	63.9	56.8											
G	DIST FROM SOURCE: 2079 METERS															
	69.2	72.1	67.4	63.9												
	67.1	65.1	63.4	57.0	44.1											
H	DIST FROM SOURCE: 2273 METERS															
	68.0	71.6	66.4	63.8												
	66.3	65.0	62.4	53.5												
I	DIST FROM SOURCE: 2377 METERS															
	65.6	69.0	64.8	62.5												
	66.5	64.8	61.9	54.4												

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )		NUMBER 421		MICROPHONE: )		IDENTIFICATION: )	
SOUND SOURCE: C-139A ( DATE 13 JAN 81 )		DATE 13 JAN 81		ARRAY 06		OMEGA 12.2	
A/C 10 FT PAST STAKES ( )		( )		( )		TEST AA-106-42: )	
( )		( )		( )		) DATE 05 FEB 87	
( )		( )		( )		) PAGE F1	
MICROPHONE	25 31.5 40 50 60 80 100 125 160 200 250 315 400 500					AL	OASPL
LOCATION	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K					(DBA)	(DB)
U	DIST FROM SOURCE: 75 METERS						
	98.3 103.8 106.7 108.0 113.3 113.1 115.6 115.7 114.6 110.6 109.3 110.1 111.0 110.8					118.5	124.2
	109.0 108.5 108.6 108.0 106.4 104.6 104.1 102.3 100.8 100.9 96.6 96.2						
S	DIST FROM SOURCE: 75 METERS						
	98.3 103.9 107.0 108.5 114.5 113.1 116.4 116.7 115.4 110.7 105.9 101.8 100.0 100.7					111.6	123.4
	98.2 97.1 95.3 95.2 97.4 98.3 97.4 95.5 99.2 99.3 99.7 96.2 95.7						
T	DIST FROM SOURCE: 75 METERS						
	98.3 103.8 106.5 107.4 111.6 113.0 114.6 114.3 113.6 110.5 111.1 112.7 113.8 113.6					121.0	124.9
	111.8 111.4 111.7 110.8 109.1 107.2 106.2 104.4 101.9 101.9 96.9 96.7						
B	DIST FROM SOURCE: 238 METERS						
	90.1 96.3 98.1 97.5 95.2 94.7 92.6 89.6 85.3 83.6 86.3 89.4 91.4 92.2					101.4	106.3
	91.9 93.4 93.4 92.7 92.3 90.6 88.2 84.4 82.3						
C	DIST FROM SOURCE: 423 METERS						
	84.2 90.3 92.2 86.8 81.0 77.8 77.2 77.2 75.2 76.4 80.2 83.1 85.6 87.4					94.1	98.8
	87.4 88.3 87.2 84.7 81.8 78.8 75.3 69.8						
D	DIST FROM SOURCE: 793 METERS						
	80.8 87.4 88.4 82.6 72.2 70.6 71.1 69.1 69.3 69.2 72.8 79.0 82.5 83.8					87.8	94.2
	83.4 82.3 78.4 75.2 70.2 64.8 57.7						
E	DIST FROM SOURCE: 1255 METERS						
	77.5 83.9 83.0 73.8 65.4 64.7 64.4 64.6 64.6 65.3 69.0 74.8 79.2 79.7					82.3	89.4
	77.2 76.5 71.4 65.4 58.5 51.4						
F	DIST FROM SOURCE: 1797 METERS						
	70.2 73.9 70.0 64.8					74.8	80.8
	68.8 67.4 62.9 55.7						
G	DIST FROM SOURCE: 2079 METERS						
	72.0 73.6 67.8 66.1 66.1 58.5 58.6 61.2 60.4 62.4 66.6 71.4 71.7 69.6					73.3	80.4
	68.4 64.6 59.7 51.4 41.2						
H	DIST FROM SOURCE: 2273 METERS						
	70.6 72.3 66.5 64.8					73.4	79.9
	67.7 62.1 57.9 48.1						
I	DIST FROM SOURCE: 2377 METERS						
	68.4 69.9 64.4 63.9					70.0	77.1
	63.9 60.5 55.8 48.5						

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-422

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 422 ) ARRAY  
 LOCATION 02 HT AGL 1.5 M ( DATE 13 JAN 81 ) O6  
 A/C 10FT. PAST STAKES ( )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)  
 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500  
 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
 DIST FROM SOURCE: 75 METERS  
 OVERALL SAMPLE DURATION: 36 SEC  
 98.0 103.8 106.7 108.5 113.3 113.0 119.4 119.8 114.9 110.9 109.1 110.3 111.6 111.3  
 109.4 108.6 108.3 108.8 107.9 106.5 104.6 104.1 102.4 100.7 100.7 96.2 96.0

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	97.5	103.7	106.9	109.0	114.5	113.2	116.1	116.9	115.8	111.0	105.4	102.4	100.5	101.1	111.4	123.4
S	98.6	96.6	94.7	94.8	96.9	97.6	96.8	99.2	98.7	98.8	99.0	95.6	95.6	95.3	121.1	125.0
T	98.4	103.9	106.4	107.8	111.6	112.9	114.4	114.4	113.8	111.1	113.0	114.4	114.4	114.0	104.6	108.2
B	112.2	111.5	111.3	111.7	110.7	109.2	107.3	106.4	104.4	102.0	101.9	96.8	96.6	96.6	97.3	100.8
C	90.1	96.6	98.4	98.4	95.6	94.9	92.4	90.7	88.8	86.4	88.7	92.5	95.3	96.2	104.6	108.2
D	96.2	97.8	97.4	96.1	94.6	91.9	88.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	97.3	100.8
E	84.4	90.6	92.7	90.1	82.6	76.0	77.5	78.4	77.0	78.3	82.7	86.1	88.8	90.0	97.3	100.8
F	90.1	91.3	90.6	88.8	85.7	81.1	76.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	97.3	100.8
G	80.7	87.5	88.6	83.2	71.4	68.1	70.1	69.7	70.9	70.6	75.3	82.3	86.5	88.2	93.0	96.8
H	88.5	88.1	84.9	80.5	75.0	69.2	63.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	93.0	96.8
I	77.4	84.0	83.4	74.5	64.6	61.5	62.5	63.7	64.2	63.0	67.7	75.3	80.4	83.2	85.4	90.7
J	79.8	79.6	76.9	69.4	60.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	85.4	90.7
K	69.9	74.1	70.7	65.1	61.2	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	85.4	90.7
L	74.7	74.0	70.3	60.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	85.4	90.7
M	71.3	73.2	67.8	65.9	64.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	85.4	90.7
N	71.3	68.4	63.8	55.6	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	85.4	90.7
O	69.2	71.3	66.3	64.9	64.9	56.4	55.3	58.5	59.9	61.2	65.5	73.8	76.5	74.8	77.1	82.0
P	71.1	68.7	62.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	77.1	82.0
Q	66.4	68.7	63.9	63.6	63.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	77.1	82.0
R	68.1	64.6	58.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	77.1	82.0
S	56.4	68.7	63.9	63.6	63.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	77.1	82.0
T	68.1	64.6	58.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	77.1	82.0
U	56.4	68.7	63.9	63.6	63.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	77.1	82.0
V	68.1	64.6	58.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	77.1	82.0
W	56.4	68.7	63.9	63.6	63.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	77.1	82.0
X	68.1	64.6	58.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	77.1	82.0
Y	56.4	68.7	63.9	63.6	63.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	77.1	82.0
Z	68.1	64.6	58.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	77.1	82.0

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-423  
 )  
 )  
 ) MICROPHONE:  
 )  
 ) ARRAY 06  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.0	103.2	106.6	108.5	113.2	113.1	115.3	115.8	114.8	110.9	109.2	110.4	111.5	111.2	110.7	124.3
	109.5	108.9	108.7	108.7	108.0	106.5	104.8	104.8	102.6	101.1	101.2	96.9	96.8			
S	DIST FROM SOURCE: 75 METERS															
	97.7	103.1	106.7	109.0	114.4	113.3	116.1	116.9	115.7	111.0	105.5	102.4	100.6	101.7	111.7	123.4
	99.3	98.0	96.4	95.8	97.4	98.1	97.4	99.4	98.6	99.2	99.4	96.1	96.1			
T	DIST FROM SOURCE: 75 METERS															
	98.3	103.3	106.4	107.9	111.4	112.9	114.4	114.3	113.7	110.7	111.2	113.1	114.3	114.0	121.2	125.1
	112.3	111.7	111.6	111.6	110.8	109.2	107.4	106.6	104.7	102.4	102.4	97.5	97.4			
B	DIST FROM SOURCE: 238 METERS															
	89.6	95.7	98.0	98.1	95.1	94.2	92.3	88.5	85.2	82.9	85.2	89.9	92.4	93.4	104.1	107.3
	93.3	95.2	96.1	96.0	96.3	94.4	88.8	86.6	83.7							
C	DIST FROM SOURCE: 423 METERS															
	83.8	89.7	92.2	90.2	83.2	74.0	75.2	74.1	73.4	73.5	76.8	79.6	82.5	83.5	94.2	98.5
	83.9	85.8	87.0	87.3	86.7	82.4	74.8	70.2								
D	DIST FROM SOURCE: 753 METERS															
	80.5	87.0	88.3	83.7	72.3	70.7	69.7	67.7	65.6	66.8	70.8	76.8	79.8	82.2	88.2	94.0
	82.9	83.7	81.2	76.3	73.3	67.0	58.4									
E	DIST FROM SOURCE: 1255 METERS															
	77.6	83.7	83.5	75.3												
	76.7	74.4	72.9	64.7	57.7	49.6										
F	DIST FROM SOURCE: 1757 METERS															
	70.1	73.8	70.8	65.7												
	70.4	69.5	64.9	56.3												
G	DIST FROM SOURCE: 2079 METERS															
	71.8	73.2	69.1	67.5												
	67.2	65.0	61.2	53.4	42.7											
H	DIST FROM SOURCE: 2273 METERS															
	69.9	71.6	67.8	67.1												
	67.0	62.7	57.8	49.2												
I	DIST FROM SOURCE: 2377 METERS															
	67.1	68.8	65.5	65.5												
	63.3	59.6	54.2	48.8												



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB	(	EVENT:	NUMBER 424	MICROPHONE:	ARRAY	OS	DATE 05 FEB 87	IDENTIFICATION:																																			
SOUND SOURCE: C-135A	(	HT AGL 1.5 M	DATE 15 JAN 81	(	(	(	(	OMEGA 12.2																																			
LOCATION 01	(	(	(	(	(	(	(	TEST AA-105-424																																			
(	(	(	(	(	(	(	(	PAGE F1																																			
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																																											
MICROPHONE	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	OASPL																											
LOCATION	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	(DB)	(DB)	(DB)																											
DIST FROM SOURCE:		66 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
101.7		107.5														111.0		113.1		115.8		116.8		118.3		121.3		122.6		121.4		119.2		118.8		119.9		110.2		131.1			
115.8		115.3														115.3		113.7		110.7		108.4		109.1		107.8		105.6		105.6		101.4		101.0									
DIST FROM SOURCE:		66 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
101.4		107.6														111.2		113.6		117.6		118.5		122.1		122.4		122.5		119.6		113.3		106.3		105.7		107.2		118.0		129.2	
107.3		105.2														104.0		103.1		103.7		103.7		103.1		103.9		104.0		103.8		104.8		100.3		98.8							
DIST FROM SOURCE:		66 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
102.0		107.5														110.7		112.5		115.8		119.0		120.3		122.7		122.7		121.6		121.7		122.8		121.0		132.4					
118.5		118.2														118.1		116.4		113.3		110.8		110.2		109.8		106.9		106.7		102.2		102.5									
DIST FROM SOURCE:		134 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
93.0		99.4														102.4		103.8		104.7		105.6		102.9		98.6		97.7		97.3		99.1		101.3		102.5		102.5		111.0		115.0	
101.9		101.7														101.2		100.8		100.5		100.5		99.8		97.8		95.7		94.1		91.3		88.7		86.2							
DIST FROM SOURCE:		238 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
90.5		96.8														100.3		100.4		98.3		92.2		89.0		85.7		85.6		85.0		88.2		91.0		93.4		93.8		100.9		107.3	
92.3		92.1														92.6		91.5		90.3		89.6		87.1		85.3		82.3		80.7		78.4											
DIST FROM SOURCE:		431 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
86.7		93.1														96.4		95.6		92.1		79.5		75.0		73.4		74.8		77.6		79.9		82.4		83.4		90.8		101.4			
83.8		83.6														82.9		81.4		80.6		78.6		75.0		70.0																	
DIST FROM SOURCE:		753 METERS														OVERALL SAMPLE DURATION: 35 SEC																											
82.2		87.9														91.0		87.3		79.6		68.6		62.8		62.2		63.5		66.1		69.2		72.9		75.0		75.0		81.3		94.6	
74.9		75.7														73.7		70.6		68.9		65.5																					
DIST FROM SOURCE:		1255 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
78.0		83.7														84.5		76.6		70.6		60.6		58.6		58.1		58.3		61.9		65.4		67.4		67.1		72.7		88.3			
66.8		66.5														65.2		62.0		58.5		53.6																					
DIST FROM SOURCE:		1757 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
73.7		77.8														75.7		70.0		66.5		57.7		55.5		53.5		53.4		54.4		58.2		60.6		62.0		62.1		66.4		81.6	
61.3		60.3														57.1		53.4		48.4		44.6																					
DIST FROM SOURCE:		2087 METERS														OVERALL SAMPLE DURATION: 35 SEC																											
71.2		74.6														71.4		63.6		59.8		53.3		49.1		49.5		48.6		51.0		54.6		55.8		57.3		56.9		60.9		77.9	
55.9		54.9														52.6																											
DIST FROM SOURCE:		2377 METERS														OVERALL SAMPLE DURATION: 34 SEC																											
72.8		76.0														72.6		62.2		58.1		50.3		52.0		54.3		56.8		59.3		60.3		59.5		63.4		79.2					
57.9		56.7														53.2		48.5		42.2																							

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-425

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 425  
 DATE 15 JAN 81

MICROPHONE:  
 ARRAY 05

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.9	107.8	111.2	112.9	116.4	118.3	121.1	122.0	122.5	121.2	119.1	118.8	119.9	118.0	125.2	131.1
	116.1	115.5	115.7	115.4	113.7	110.5	108.4	108.0	107.7	105.6	105.8	101.1	101.0			
S	DIST FROM SOURCE: 66 METERS															
	101.5	107.8	111.5	113.4	117.2	118.6	122.0	122.6	122.5	119.3	113.2	106.5	105.9	107.3	118.0	129.2
	107.1	105.1	104.3	103.4	103.7	103.7	103.2	103.7	104.0	103.6	104.7	100.3	99.3			
T	DIST FROM SOURCE: 66 METERS															
	102.2	107.8	110.9	112.2	115.5	118.0	120.1	121.4	122.6	122.4	121.5	121.7	122.9	120.9	127.7	132.4
	118.8	118.3	118.6	118.3	116.5	113.1	110.7	110.1	109.6	107.0	106.7	101.8	102.3			
A	DIST FROM SOURCE: 134 METERS															
	92.9	99.6	102.7	103.5	104.3	105.4	101.9	97.6	96.1	95.2	96.4	99.2	101.6	101.9	112.3	115.2
	102.6	103.0	103.3	103.4	103.1	102.5	99.7	97.6	95.3	93.7	91.2	89.0	88.0			
B	DIST FROM SOURCE: 238 METERS															
	90.1	96.9	100.5	100.2	98.4	93.3	88.0	85.8	85.3	85.9	87.6	89.6	91.7	92.7	104.2	108.3
	94.5	96.2	97.4	96.3	95.0	92.9	89.4	87.3	84.3	81.8	80.2					
C	DIST FROM SOURCE: 431 METERS															
	86.1	92.8	96.2	95.1	91.2	79.3	78.2	77.3	77.8	77.2	80.1	84.3	86.6	86.9	94.6	101.8
	87.8	87.4	87.0	85.1	83.9	82.2	79.3	75.3	68.6							
D	DIST FROM SOURCE: 753 METERS															
	82.1	87.8	90.9	86.6	78.6	70.7	69.0	68.3	68.4	71.7	75.2	76.8	78.3	80.2	87.6	95.3
	80.8	82.0	80.8	78.3	75.9	72.5	67.9									
E	DIST FROM SOURCE: 1255 METERS															
	78.0	83.8	84.6	75.7	69.6	65.4	62.5	62.0	60.4	60.5	62.7	67.1	68.9	69.9	75.3	88.4
	69.2	69.3	68.2	65.0	61.3	55.9										
F	DIST FROM SOURCE: 1757 METERS															
	73.3	77.5	75.0	69.3	65.5	58.6	58.5	56.9	54.8	54.9	57.7	61.1	62.3	62.1	67.2	81.3
	62.2	61.3	58.9	54.6	49.7											
G	DIST FROM SOURCE: 2087 METERS															
	70.7	74.3	70.4	63.8	59.3	52.2	50.6	53.6	52.3	51.6	55.6	58.0	58.9	58.4	63.0	77.6
	57.2	57.5	54.6													
I	DIST FROM SOURCE: 2377 METERS															
	72.3	75.5	71.5	63.4	61.7	56.5	50.9	52.4	55.6	57.2	60.1	61.5	61.2	64.7	78.8	
	59.2	57.8	55.0	50.2	43.9	38.2										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-426  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ARRAY 05  
 SOUND SOURCE: C-135A ( NUMBER 426 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 15 JAN 81 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.9	107.4	110.8	112.8	116.8	118.6	121.5	122.6	123.3	122.2	119.6	119.3	120.9	118.9	126.2	131.8
	117.0	117.0	116.5	114.3	111.5	109.7	109.4	109.1	107.1	107.1	107.3	102.7	102.3			
S	DIST FROM SOURCE: 66 METERS															
	101.7	107.4	111.2	113.4	117.6	118.9	122.4	123.2	123.3	120.5	114.0	107.3	107.4	108.8	119.3	129.9
	108.6	106.5	105.4	104.6	105.3	105.3	104.9	105.8	105.8	105.6	105.6	106.5	101.9	100.5		
T	DIST FROM SOURCE: 66 METERS															
	102.1	107.4	110.4	112.1	115.8	118.3	120.4	121.0	123.2	123.4	122.0	122.2	123.8	121.7	128.7	133.1
	119.7	119.8	119.9	119.3	117.0	114.0	111.4	110.9	108.3	108.1	103.4	103.6				
A	DIST FROM SOURCE: 134 METERS															
	92.8	99.0	102.1	103.2	104.3	105.5	102.5	98.0	96.5	96.4	98.3	101.0	103.9	104.6	114.5	116.6
	105.1	105.8	106.1	105.8	104.9	104.2	101.2	99.3	97.1	95.7	94.1	92.4				
B	DIST FROM SOURCE: 238 METERS															
	89.9	96.4	99.8	99.5	97.5	92.3	88.5	85.6	86.1	85.0	87.0	90.2	93.5	95.5	107.8	109.6
	96.7	98.1	99.8	99.6	99.3	98.8	95.2	91.7	88.7	86.2	84.1	82.4				
C	DIST FROM SOURCE: 431 METERS															
	86.2	92.2	95.5	94.6	91.1	80.1	77.4	74.2	74.3	75.3	78.3	81.7	84.2	85.0	93.8	101.1
	85.9	86.7	86.4	84.8	84.1	82.1	78.3	74.3	68.7							
D	DIST FROM SOURCE: 753 METERS															
	81.7	87.3	90.4	86.9	79.0	68.2	65.4	63.9	62.8	66.4	70.3	72.8	73.8	74.1	81.7	94.1
	74.6	75.5	74.6	72.6	70.4	67.0										
E	DIST FROM SOURCE: 1255 METERS															
	77.9	83.4	84.4	76.0	68.5	62.0	60.3	57.9	56.5	57.6	61.6	65.6	67.3	67.4	73.0	88.0
	67.2	67.2	65.2	62.0	58.6	53.1										
F	DIST FROM SOURCE: 1757 METERS															
	73.4	77.8	75.9	67.5	62.8	55.1	53.4	51.5	50.4	53.8	56.5	59.6	61.7	61.2	65.7	81.3
	60.4	59.8	56.7	52.6	47.4											
G	DIST FROM SOURCE: 2087 METERS															
	70.9	78.1	72.3	61.6	56.0											
	57.5	57.2	54.5													
I	DIST FROM SOURCE: 2377 METERS															
	73.3	76.6	73.9	61.3	58.3	54.1										
	58.7	57.3	54.0	48.9	42.6											
	OVERALL SAMPLE DURATION: 36 SEC															
	53.8 56.2 58.7 60.6 59.7															
	OVERALL SAMPLE DURATION: 36 SEC															
	48.7 50.7 54.3 55.7 58.2 58.3															
	OVERALL SAMPLE DURATION: 36 SEC															
	53.8 56.2 58.7 60.6 59.7															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-427  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB	( EVENT: )	NUMBER 427	MICROPHONE: )
SOUND SOURCE: C-135A	( )	DATE 15 JAN 81	( )
LOCATION 01	( )	MT AGL 1.5 M	( )
( )	( )	( )	( )
( )	( )	( )	( )
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)			
25 31.5 40 50 63 80 100 125 160 200 280 315 400 500			AL (DB)
630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K			
DIST FROM SOURCE: 66 METERS			
101.0 107.2 110.0 112.9 116.4 118.3 120.9 121.9 122.4 121.2 119.1 118.5 119.9 110.0			125.0 131.0
115.9 115.4 115.4 115.2 113.5 110.3 107.9 107.7 107.3 105.3 105.5 100.8 100.6			
S DIST FROM SOURCE: 66 METERS			
101.5 107.2 111.1 113.4 117.2 118.6 121.7 122.4 122.3 119.3 113.2 106.3 105.6 106.9			117.7 129.1
106.7 104.5 103.7 102.9 103.5 103.4 102.8 103.6 103.9 103.4 104.4 99.8 98.3			
T DIST FROM SOURCE: 66 METERS			
102.0 107.2 110.5 112.2 115.4 118.0 119.9 121.3 122.6 122.5 121.5 121.4 122.8 120.9			127.6 132.3
118.7 118.2 118.3 118.1 116.3 112.9 110.2 109.7 109.1 106.7 106.4 101.7 102.1			
A DIST FROM SOURCE: 134 METERS			
92.5 98.6 101.9 103.1 103.6 104.8 101.8 97.3 96.3 95.7 97.2 99.0 101.3 101.9			111.2 114.5
102.3 102.9 102.7 102.0 101.5 100.9 98.0 96.0 93.9 92.3 89.3 87.8 87.9			
B DIST FROM SOURCE: 238 METERS			
89.5 95.7 98.9 98.7 96.8 91.0 86.4 82.2 83.4 84.4 86.7 90.0 93.0 94.5			103.9 107.3
94.6 95.2 95.6 94.8 94.2 93.6 91.5 89.7 86.7 84.4 80.7			
C DIST FROM SOURCE: 431 METERS			
85.8 91.9 95.1 94.2 90.7 79.0 72.8 72.3 72.7 74.5 77.6 80.6 82.2 82.9			92.0 100.4
84.7 84.7 84.8 83.3 81.9 80.2 76.8 72.6 68.1			
D DIST FROM SOURCE: 753 METERS			
80.8 84.9 90.0 86.5 77.9 68.1 64.0 63.2 63.7 66.0 69.7 72.3 73.8 73.9			80.3 93.6
78.8 74.5 72.5 70.3 67.9 64.2			
E DIST FROM SOURCE: 1255 METERS			
77.0 82.7 83.8 75.6 69.1 63.1 57.5 57.8 58.1 61.6 66.0 68.2 68.1			73.6 87.5
67.5 67.4 66.3 63.0 59.3 53.9			
F DIST FROM SOURCE: 1757 METERS			
73.1 77.1 75.4 69.3 63.5 55.3 53.0 50.8 50.9 52.3 56.2 59.8 61.3 61.9			66.3 81.0
61.1 60.6 57.7 53.7 48.2			
G DIST FROM SOURCE: 2087 METERS			
70.8 74.5 71.7 64.1 58.0 49.7 48.2 50.4 54.1 56.0 58.7 58.4			62.8 77.9
57.8 57.5 54.7			
I DIST FROM SOURCE: 2377 METERS			
73.0 76.1 72.9 63.5 60.4 54.7 50.8 52.3 52.2 53.5 55.7 58.6 59.5 59.2			63.3 78.4
57.6 57.2 54.0 49.5 43.4			

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )		NUMBER 428		MICROPHONE: )		IDENTIFICATION: )	
SOUND SOURCE: C-135A ( )		DATE 15 JAN 81		ARRAY 05		OMEGA 12.2	
LOCATION OI	HT AGL	1.5 M	(	(	(	(	TEST AA-105-426
LOCATION OI	HT AGL	1.5 M	(	(	(	(	DATE 05 FEB 87
LOCATION OI	HT AGL	1.5 M	(	(	(	(	PAGE F1
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)							
MICROPHONE LOCATION	25	31.5	40	50	60	80	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500
	DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
	102.1	107.4	110.6	112.8	116.7	118.6	121.2
	116.0	115.6	115.4	114.9	112.9	110.3	108.4
	DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
S	101.8	107.4	110.9	113.4	117.5	119.9	122.1
	107.6	105.4	104.6	103.8	103.9	103.5	103.2
	DIST FROM SOURCE:	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS	66 METERS
T	102.4	107.4	110.3	112.2	115.7	118.2	120.2
	118.7	118.3	118.2	117.8	115.6	112.8	110.7
	DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS
A	93.1	99.1	102.2	103.7	104.5	105.5	102.4
	104.2	104.7	104.8	104.4	103.3	102.0	99.1
	DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS
B	90.1	95.9	99.4	99.9	98.1	92.5	88.5
	100.8	102.3	102.7	100.9	98.8	96.4	93.9
	DIST FROM SOURCE:	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS	431 METERS
C	85.8	91.9	95.1	94.7	91.2	79.2	74.8
	88.9	89.3	88.9	88.3	87.9	86.6	84.7
	DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS
D	81.1	86.9	89.5	85.9	77.5	69.2	65.3
	76.0	76.3	75.1	72.5	70.5	67.1	62.1
	DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS
E	77.4	83.0	83.3	74.5			
	69.7	69.3	67.4	64.2	60.9	55.1	
	DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS
F	73.1	77.1	74.5	68.9	64.9	56.5	
	64.0	62.5	59.2	55.5	50.7	46.5	
	DIST FROM SOURCE:	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS	2087 METERS
G	71.1	74.6	70.4	63.7	58.9		
	58.8	57.6	55.9	53.6			
	DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS
I	73.4	76.0	71.7	63.5	62.3	56.4	
	62.2	60.4	57.3	52.6	46.0	38.2	
	DIST FROM SOURCE:	2500 METERS	2500 METERS	2500 METERS	2500 METERS	2500 METERS	2500 METERS
	125.0	131.1	118.1	110.8	101.1	100.8	
	118.2	129.4	107.6	106.3	107.6	99.1	
	127.5	132.4	120.9	123.0	120.9	102.0	
	113.1	116.0	103.9	104.0	103.9	89.5	
	109.4	111.3	100.0	98.1	100.0	91.0	
	97.3	101.9	86.9	85.9	86.9	77.3	
	82.6	93.5	76.5	76.2	76.5	62.6	
	75.2	87.4	70.3	69.3	70.3	55.1	
	68.4	80.9	64.1	63.4	64.1	46.5	
	63.7	77.8	59.5	59.3	59.5	46.5	
	67.1	79.6	63.6	64.0	63.6	46.0	

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-429  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 429 ) ARRAY 06  
 LOCATION 02 HT AGL 1.5 M ( DATE 15 JAN 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.2	104.0	106.6	108.3	113.5	113.1	114.5	112.9	110.0	107.8	110.6	113.2	115.0	114.5	121.9	125.3
	112.3	113.2	113.8	112.5	111.1	109.0	106.9	106.9	105.5	104.3	104.4	100.3	100.3			
S	DIST FROM SOURCE: 75 METERS															
	97.6	103.8	106.6	108.7	114.7	113.8	116.0	114.8	111.2	106.2	103.2	100.6	99.4	100.5	114.8	122.7
	99.9	102.1	102.6	102.6	103.0	103.2	102.5	104.4	103.2	103.6	104.1	101.1	101.3			
T	DIST FROM SOURCE: 75 METERS															
	98.8	104.3	106.6	107.8	111.9	112.3	112.3	109.5	108.4	109.0	113.2	116.1	118.0	117.4	124.5	126.9
	115.2	116.0	116.6	115.3	113.8	111.5	109.0	108.5	107.0	104.9	104.6	99.5	98.8			
A	DIST FROM SOURCE: 134 METERS															
	94.7	100.7	104.3	105.4	109.0	109.8	107.3	94.9	90.8	93.6	98.4	103.3	105.9	106.0	116.6	119.0
	105.1	106.3	107.5	107.8	107.9	106.9	105.4	103.8	99.2	97.2	93.8	90.7	87.1			
B	DIST FROM SOURCE: 238 METERS															
	89.6	96.1	98.0	98.4	97.0	92.1	87.0	84.0	79.9	81.9	86.8	91.8	95.1	94.8	107.9	109.3
	94.7	97.3	98.8	98.9	99.5	99.3	97.3	94.7	89.6	86.9	83.6	81.0				
C	DIST FROM SOURCE: 423 METERS															
	83.0	90.2	92.2	91.0	85.5	73.0	71.6	70.1	70.6	71.7	77.2	81.4	84.5	84.9	96.5	99.6
	84.2	85.6	86.2	87.1	88.4	88.3	86.5	83.5	77.9	73.2						
D	DIST FROM SOURCE: 753 METERS															
	79.6	87.2	88.6	84.5	72.8	61.8	62.2	61.4	59.2	63.3	69.6	74.9	77.8	77.1	86.4	93.4
	77.7	79.0	78.9	77.9	77.0	75.3	71.2	66.0	58.9							
E	DIST FROM SOURCE: 1255 METERS															
	76.3	84.1	84.3	75.5	64.4	58.5	55.0	51.3	52.8	58.3	66.8	70.8	71.1		80.1	88.6
	72.1	73.5	73.7	71.9	70.1	67.2	61.5									
F	DIST FROM SOURCE: 1757 METERS															
	73.4	79.0	76.4	64.6											74.5	82.6
	66.4	69.3	69.0	65.1	62.0	57.1										
G	DIST FROM SOURCE: 2079 METERS															
	71.9	76.8	71.5	63.1											71.1	79.9
	65.4	65.4	64.9	61.4	55.2	47.2										
H	DIST FROM SOURCE: 2273 METERS															
	70.5	75.5	69.1	61.5											68.2	78.2
	62.0	62.4	62.3	57.8	51.4	43.8										
I	DIST FROM SOURCE: 2377 METERS															
	68.7	73.7	66.7	60.3											65.2	76.2
	60.2	58.6	57.6	54.7	49.7											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 430 ) MICROPHONE: ARRAY 06 ) IDENTIFICATION: OMEGA 12.2 )  
 SOUND SOURCE: C-135A ( DATE: 15 JAN 81 ) ) ) TEST AR-106-430 )  
 LOCATION D2 HT AGL 1.5 M ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)												AL (DBA)	OASPL (DB)		
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	122.0	125.5
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.1	103.7	107.1	108.2	114.1	113.6	114.8	113.3	110.4	108.1	110.8	113.5	115.1	114.7		
	112.3	113.5	113.9	112.5	111.2	109.1	107.1	107.0	105.5	104.3	104.5	100.5	100.4			
S	DIST FROM SOURCE: 75 METERS															
	97.5	103.5	107.1	108.6	115.3	114.3	116.3	119.2	111.6	106.5	103.5	100.9	99.7	100.9	115.0	123.1
	100.1	102.6	103.0	102.7	103.1	103.5	102.5	104.3	103.2	103.6	104.2	101.3	101.6			
T	DIST FROM SOURCE: 75 METERS															
	98.6	103.9	107.1	107.7	112.5	112.8	112.8	109.9	108.9	109.2	113.4	116.4	118.1	117.6	124.6	127.0
	115.2	116.3	116.7	115.2	113.9	111.4	109.3	108.6	106.9	104.9	104.7	99.5	98.0			
A	DIST FROM SOURCE: 134 METERS															
	94.6	100.2	104.7	105.2	109.6	110.2	107.5	95.4	90.9	93.5	98.2	103.1	105.5	105.8	116.3	119.0
	104.7	106.2	107.4	107.6	107.6	106.7	104.9	103.0	97.8	96.5	93.3	90.0	86.7			
B	DIST FROM SOURCE: 238 METERS															
	89.7	95.9	98.2	98.2	97.5	92.4	87.3	84.4	80.7	82.2	87.2	92.0	94.8	94.8	107.7	109.2
	94.8	96.9	98.2	98.5	99.1	99.1	97.3	95.2	90.0	86.6	83.9	81.1				
C	DIST FROM SOURCE: 423 METERS															
	83.0	89.7	92.7	90.8	86.0	73.6	71.7	69.7	69.2	71.0	75.9	79.4	82.5	83.6	95.7	99.2
	83.3	85.6	86.8	86.8	87.6	86.9	84.8	82.2	77.4	73.1						
D	DIST FROM SOURCE: 753 METERS															
	79.8	87.1	89.2	84.7	73.5	61.8	62.9	61.1	58.6	60.7	65.7	71.0	74.7	74.7	83.7	93.1
	73.9	74.9	75.3	74.4	75.4	74.2	70.3	65.5	60.1							
E	DIST FROM SOURCE: 1255 METERS															
	76.8	84.2	84.9	75.6	65.8	60.4	57.8	55.5	53.1	55.2	59.3	64.3	67.8	67.6	75.3	88.5
	67.2	69.0	68.4	66.4	65.4	60.7										
F	DIST FROM SOURCE: 1757 METERS															
	73.7	78.9	77.0	64.8											68.5	82.2
	61.5	62.6	61.4	57.6	54.4	49.3										
G	DIST FROM SOURCE: 2079 METERS															
	72.0	76.7	72.9	62.5											66.7	79.5
	61.1	60.9	59.8	54.8	49.0	41.6										
H	DIST FROM SOURCE: 2273 METERS															
	70.5	75.5	70.0	62.2	62.9										65.6	78.1
	59.7	60.0	58.8	54.1	48.4	42.7										
I	DIST FROM SOURCE: 2377 METERS															
	68.5	73.6	67.2	60.7											63.1	76.0
	57.8	57.6	55.7	51.3	47.4											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 431 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-139A ( DATE 15 JAN 81 ) ARRAY 06 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( ) ) ) TEST AA-106-431  
 ( ) ) ) DATE 05 FEB 87  
 ( ) ) ) PAGE F1

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	98.3	103.8	106.8	108.2	114.4	113.5	114.7	113.3	110.7	108.5	111.0	113.7	115.7	115.3	122.4	125.7
	113.2	113.3	114.2	113.1	111.5	109.5	107.3	107.3	105.8	104.5	104.7	100.8	100.9			
OVERALL SAMPLE DURATION: 36 SEC																
S	DIST FROM SOURCE: 75 METERS															
	97.7	103.6	106.9	108.6	115.6	114.1	116.2	115.2	111.8	106.9	103.9	100.8	99.9	101.4	114.9	123.1
	100.7	101.9	102.4	102.7	103.4	103.3	102.5	104.2	103.1	103.4	104.1	101.2	101.9			
OVERALL SAMPLE DURATION: 36 SEC																
T	DIST FROM SOURCE: 75 METERS															
	98.9	104.1	106.8	107.7	112.7	112.7	112.5	109.9	109.1	109.7	113.6	116.6	118.6	118.2	125.0	127.4
	116.1	116.2	117.0	115.9	114.2	112.0	109.6	109.1	107.4	105.4	105.2	100.3	99.5			
OVERALL SAMPLE DURATION: 36 SEC																
A	DIST FROM SOURCE: 134 METERS															
	95.2	100.5	104.6	105.2	110.2	110.2	107.5	95.7	91.8	94.4	98.7	103.6	106.6	106.7	117.0	119.5
	106.1	106.8	107.6	108.1	108.3	107.3	105.5	103.9	99.5	97.9	94.7	91.4	88.4			
OVERALL SAMPLE DURATION: 34 SEC																
B	DIST FROM SOURCE: 238 METERS															
	89.7	96.2	98.3	98.1	97.9	92.3	87.4	84.5	80.9	83.1	87.8	92.4	95.4	95.6	108.6	109.9
	96.0	98.0	99.3	99.4	100.0	100.0	98.2	96.0	90.9	87.6	85.2	82.4				
OVERALL SAMPLE DURATION: 35 SEC																
C	DIST FROM SOURCE: 423 METERS															
	83.3	90.0	92.5	90.8	86.3	73.7	72.7	70.4	69.2	70.7	76.2	80.5	83.5	84.3	96.3	99.5
	84.4	85.7	86.9	87.4	87.9	87.5	85.6	83.1	78.4	74.0						
OVERALL SAMPLE DURATION: 35 SEC																
D	DIST FROM SOURCE: 753 METERS															
	80.0	87.4	89.0	84.4	73.4	62.7	63.9	62.1	60.5	61.5	68.7	72.4	77.9	77.4	88.9	94.1
	78.3	79.9	80.9	81.1	81.1	79.2	74.8	69.5	61.0							
OVERALL SAMPLE DURATION: 35 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	76.8	84.2	84.6	75.2	65.3	59.9	58.0	55.3	54.2	56.4	60.9	67.3	71.1	70.8	79.5	88.7
	70.5	72.3	73.1	71.7	70.0	66.5	61.3									
OVERALL SAMPLE DURATION: 35 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	73.8	78.9	76.0	64.3												
	72.2	74.3	73.8	71.9	68.6	61.4										
OVERALL SAMPLE DURATION: 35 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	72.1	76.5	71.0	62.5	64.7											
	64.3	65.4	66.5	64.7	59.8	52.2										
OVERALL SAMPLE DURATION: 35 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	70.6	74.9	68.6	60.7												
	62.7	62.3	61.8	58.8	54.2	46.9										
OVERALL SAMPLE DURATION: 35 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	68.6	73.2	65.8	59.9												
	60.5	61.5	61.6	59.3	55.3											
OVERALL SAMPLE DURATION: 35 SEC																



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-432

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( NUMBER 432  
 LOCATION 02 ( DATE 15 JAN 81 )  
 ( ( MICROPHONE: )  
 ( ARRAY 06 )  
 ( DATE 05 FEB 87 )  
 ( PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	BK	10K			
	DIST FROM SOURCE: 75 METERS															
	98.3	103.7	106.9	108.3	113.9	113.9	114.0	113.5	110.5	108.2	111.4	113.7	115.7	115.2	122.4	125.7
	112.8	113.5	114.1	112.8	111.3	109.3	107.4	107.5	106.1	104.9	105.0	101.1	101.1			
S	DIST FROM SOURCE: 75 METERS															
	97.8	103.4	106.9	109.7	113.2	114.0	116.3	115.4	111.7	106.6	103.9	101.3	100.3	101.7	115.6	123.1
	101.1	102.7	103.1	103.4	104.0	104.0	103.3	105.1	104.0	104.3	104.9	102.0	102.3			
T	DIST FROM SOURCE: 75 METERS															
	98.8	103.9	106.8	107.8	112.2	112.5	112.5	110.0	108.8	109.4	114.0	116.6	118.6	118.2	124.9	127.3
	115.7	116.9	116.9	115.5	113.9	111.6	109.5	109.0	107.5	105.4	105.0	100.0	99.4			
A	DIST FROM SOURCE: 134 METERS															
	95.2	100.4	104.6	105.4	109.5	110.1	107.4	95.7	91.1	93.8	99.1	103.9	106.7	106.9	117.4	119.6
	106.0	107.3	108.3	108.5	108.9	107.9	105.8	103.6	98.4	96.9	94.2	90.7	87.2			
B	DIST FROM SOURCE: 238 METERS															
	89.7	95.8	98.2	98.2	97.1	92.4	87.1	84.3	80.1	82.2	87.8	92.5	95.9	95.8	109.3	110.3
	96.2	98.8	100.3	100.5	101.0	100.7	98.6	95.9	90.3	88.7	85.6	82.5				
C	DIST FROM SOURCE: 423 METERS															
	83.6	89.8	92.5	91.0	85.9	73.1	72.0	70.2	69.0	70.4	75.8	80.0	83.2	84.2	96.1	99.4
	83.9	86.1	87.1	87.0	87.6	87.1	89.2	82.7	78.5	74.7						
D	DIST FROM SOURCE: 753 METERS															
	80.4	87.3	89.2	85.1	73.5	61.6	64.9	63.1	57.7	59.3	66.5	72.3	76.1	76.1	93.8	93.8
	77.4	78.2	79.1	79.3	79.8	78.4	74.8	69.9	60.9							
E	DIST FROM SOURCE: 1255 METERS															
	77.6	84.4	85.0	76.1	66.0	60.3	58.6	56.9	54.1	54.8	58.6	64.5	69.6	68.9	78.2	80.9
	69.3	72.9	72.3	65.5	66.9	62.8	57.6									
F	DIST FROM SOURCE: 1757 METERS															
	74.4	79.3	76.7	64.7												
	66.3	69.6	70.8	67.9	64.0	57.3										
G	DIST FROM SOURCE: 2079 METERS															
	72.6	77.0	71.5													
	61.6	62.0	62.4	60.6	56.3	49.9										
H	DIST FROM SOURCE: 2273 METERS															
	71.2	75.8	69.5													
	60.4	60.4	59.0	54.4	49.2	42.6										
I	DIST FROM SOURCE: 2377 METERS															
	70.0	74.8	67.0													
	61.7	61.9	60.4	55.7	49.9											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 433 ) ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 15 JAN 81 ) ) ARRAY 06 ) TEST AA-106-433 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	98.7	103.9	107.1	108.6	114.2	113.4	115.0	113.3	110.6	108.4	111.1	113.6	115.4	114.8	122.2	125.6
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	98.1	103.7	107.1	109.0	115.4	114.1	116.5	115.2	111.8	106.8	103.9	101.0	99.8	101.2	115.1	123.1
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	99.1	104.2	107.1	108.0	112.5	112.5	112.7	109.8	109.0	109.5	113.7	116.5	118.4	117.8	124.8	127.2
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 38 SEC															
	95.3	100.6	104.8	105.6	109.7	110.0	107.5	95.3	91.5	94.1	98.9	103.9	106.7	106.9	117.2	119.6
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	90.0	96.1	98.3	98.5	97.5	92.4	87.5	84.7	80.7	82.7	87.9	92.7	95.5	95.6	108.4	109.7
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	83.8	90.2	92.9	91.3	85.9	73.4	72.7	71.7	71.5	71.3	76.3	81.6	85.7	86.2	99.2	101.1
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	80.5	87.4	89.3	84.6	72.8	67.0	67.5	67.4	66.7	71.6	75.8	78.6	78.0	90.2	94.6	
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	77.1	84.2	84.5	74.6	67.3	69.2	67.0	64.1	69.0	72.7	72.5	82.7	89.3			
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	65.5	67.6	66.9	64.8	63.7	58.3	64.6	65.4	65.0	73.6	82.4					
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	72.5	76.5	71.3	64.4	67.4	66.4	61.3	63.0	63.2	64.3	62.7	69.8	80.3			
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	60.5	60.9	60.3	57.4	53.7	46.1	62.3	63.0	62.2	67.5	78.3					
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	69.6	74.2	66.9	63.7	62.2	63.7	61.6	67.7	77.4							

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( HT AGL 1.5 M ( NUMBER 434 ) ARRAY 05 )  
 LOCATION 01 ( DATE 03 FEB 81 ( ) )  
 ) IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-434  
 ) DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	900	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.2	107.2	110.5	112.6	117.7	118.6	121.8	124.0	125.6	125.7	123.3	122.0	122.0	120.6	127.7	133.7
	119.2	118.8	118.1	117.0	114.8	112.6	111.3	110.7	109.6	108.2	108.5					
S	DIST FROM SOURCE: 66 METERS															
	102.1	107.1	110.6	112.8	117.8	117.9	121.7	124.4	126.6	126.6	123.0	119.7	116.0	111.5	121.7	132.7
	105.0	101.1	100.7	102.2	101.8	100.3	98.2	97.2	95.5	95.2	96.4					
T	DIST FROM SOURCE: 66 METERS															
	102.3	107.3	110.5	112.5	117.5	119.3	121.9	123.5	124.4	124.5	123.7	123.5	124.4	123.3	130.1	134.5
	122.1	121.7	121.1	120.0	117.7	115.5	114.2	113.6	112.5	111.1	111.4	106.1	108.1			
A	DIST FROM SOURCE: 134 METERS															
	94.4	99.8	102.5	104.7	108.0	111.4	113.5	114.1	112.5	108.3	103.8	99.9	98.9	97.3	106.9	120.2
	96.2	95.1	93.9	92.2	90.1	88.9	87.1	86.6	86.5	86.8	86.5					
B	DIST FROM SOURCE: 238 METERS															
	89.1	94.4	97.4	99.4	101.2	103.4	104.0	103.5	100.3	93.7	87.9	85.4	86.0	85.2	95.2	110.7
	84.7	83.9	83.8	82.1	80.3	78.7	76.3	75.3	73.9	74.4	73.3					
C	DIST FROM SOURCE: 431 METERS															
	83.3	88.3	91.1	93.3	95.3	94.9	91.9	89.1	84.3	77.5	75.6	77.2	78.9	78.0	85.1	101.4
	78.4	76.9	75.1	72.2	70.1	68.5	65.9	64.2								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AM-105-435  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 435 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 03 FEB 81 )  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.5	107.6	111.1	112.8	117.3	118.7	121.8	124.0	125.7	125.8	129.2	121.4	121.4	119.8	127.2	133.5
	118.3	118.1	117.6	116.6	114.4	112.3	111.0	110.3	109.2	108.0	108.2					
	S DIST FROM SOURCE: 66 METERS															
	101.4	107.6	111.2	112.9	117.4	118.2	121.8	124.4	126.7	126.8	123.0	118.9	115.4	110.2	121.4	132.7
	103.5	100.0	99.6	100.5	100.2	98.7	96.6	95.9	94.9	94.6	95.8					
	T DIST FROM SOURCE: 66 METERS															
	101.6	107.7	111.0	112.6	117.1	119.2	121.8	123.6	124.3	123.4	123.0	123.9	122.6		129.6	134.1
	121.3	121.0	120.6	119.5	117.3	115.2	113.9	113.2	112.2	110.9	111.1	105.6	107.8			
	A DIST FROM SOURCE: 134 METERS															
	93.8	100.2	103.1	105.2	108.0	111.8	114.0	114.6	113.0	108.3	103.0	99.6	99.7	98.6	107.9	120.7
	97.7	97.4	96.3	94.6	92.9	91.9	90.0	89.5	88.8	88.8	89.5					
	B DIST FROM SOURCE: 238 METERS															
	88.7	95.1	98.4	100.1	101.4	104.2	104.9	104.6	101.4	94.0	87.4	86.8	87.6	87.0	96.5	111.5
	86.2	85.7	85.1	83.7	82.1	80.6	78.1	77.6	75.9	75.4	74.1					
	C DIST FROM SOURCE: 431 METERS															
	82.0	88.1	91.7	93.5	95.3	95.3	91.9	89.7	85.1	77.7	74.5	77.0	78.1	78.3	85.1	101.7
	78.0	76.5	75.2	72.5	70.7	68.8	65.9	64.2								

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( ( NUMBER 436 ) ) OMEGA 12.2 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 03 FEB 81 ) ARRAY 05 ) TEST AA-105-436 )  
 ( ( ) ) ) DATE 05 FEB 87 )  
 ( ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.5	106.9	109.9	112.6	117.2	118.3	121.9	123.7	125.3	125.0	122.5	121.1	121.8	120.3	127.4	133.3
	119.1	118.7	117.9	116.6	114.3	112.3	110.9	110.2	109.1	107.8	108.2	103.4	105.2			
S	DIST FROM SOURCE: 66 METERS															
	101.4	106.9	110.0	112.7	117.3	117.6	121.8	124.2	126.4	126.0	122.2	118.8	116.1	111.5	121.5	132.3
	103.5	102.6	103.9	104.0	102.4	100.7	100.0	99.2	99.1	99.8	98.1	98.6				
T	DIST FROM SOURCE: 66 METERS															
	101.6	107.0	109.9	112.4	117.0	118.9	122.0	123.2	123.9	123.7	122.7	122.6	124.2	123.1	129.8	134.0
	122.0	121.7	120.8	119.5	117.1	115.1	113.7	113.0	111.8	110.5	110.9	105.7	107.7			
A	DIST FROM SOURCE: 134 METERS															
	93.7	99.6	101.8	104.7	107.7	110.9	113.7	113.9	112.2	107.4	102.6	98.5	97.9	96.6	106.6	120.0
	96.3	95.1	94.2	92.7	90.9	89.6	87.6	87.1	87.0	86.1	86.2					
B	DIST FROM SOURCE: 238 METERS															
	88.3	94.0	96.7	99.3	100.7	103.1	104.4	103.9	100.7	93.3	87.0	85.4	87.1	87.0	96.0	110.7
	86.3	85.5	84.7	83.1	81.4	79.8	77.1	76.3	75.3	74.8	73.5					
C	DIST FROM SOURCE: 431 METERS															
	82.2	87.4	89.9	92.7	94.2	93.7	91.3	88.8	83.7	76.8	74.5	76.2	78.3	77.6	84.2	100.5
	77.3	75.8	74.1	71.4	69.1	67.2	64.2	62.8								

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 437 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 03 FEB 81 ) ARRAY: 05 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-105-437  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )  
 ( ) ) ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 37 SEC															
	100.8	106.8	110.1	111.9	116.5	117.9	121.1	122.8	124.5	123.8	121.0	119.5	119.8	118.0	125.2	131.9
	116.5	116.4	115.6	114.5	112.0	109.5	108.0	107.0	105.6	104.4	104.9					
S	OVERALL SAMPLE DURATION: 37 SEC															
DIST FROM SOURCE:	100.7	106.8	110.2	112.1	116.7	117.3	121.0	123.3	125.6	124.8	120.6	117.2	114.0	109.1	119.8	131.3
	102.6	99.6	99.1	100.5	100.4	98.8	97.1	96.7	96.6	97.2	98.0					
T	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE:	100.9	106.9	110.0	111.8	116.3	118.5	121.1	122.2	123.2	122.6	121.4	121.0	122.2	120.8	127.5	132.5
	119.4	119.3	118.6	117.4	114.9	112.3	110.8	109.8	108.3	107.0	107.5	102.4	104.2			
A	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	93.2	99.9	102.4	104.6	107.3	111.2	113.2	113.4	111.6	107.0	102.5	98.9	98.3	96.0	105.6	119.6
	94.0	92.7	91.7	90.1	88.4	87.1	85.1	84.6	85.0	84.0						
B	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	88.5	95.1	97.9	99.6	100.8	103.7	103.7	103.0	100.0	93.0	87.7	85.6	86.0	86.5	95.0	110.5
	84.9	84.1	83.2	81.4	79.9	78.2	75.6	74.9	74.3	74.3	74.3					
C	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE:	83.9	90.3	93.1	94.9	96.4	97.0	93.7	90.6	86.3	80.0	76.7	78.8	80.9	80.4	87.3	103.1
	80.3	79.4	77.7	75.0	72.9	70.7	68.0	66.2	64.2							

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-438

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 438 ) ARRAY 06 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 03 FEB 81 ) DATE 05 FEB 87 )  
 ( ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	102.8	107.1	110.4	113.2	119.2	120.2	124.1	126.2	126.6	123.7	118.2	116.5	118.7	118.1	125.8	133.2
	116.6	116.3	115.8	115.0	113.8	112.9	111.0	109.9	109.2	107.0	107.0	103.2	103.6			
S	DIST FROM SOURCE: 75 METERS															
	103.2	107.1	110.4	113.2	119.9	120.1	125.0	127.9	128.9	126.3	120.9	113.8	111.3	107.0	123.2	134.2
	102.0	103.3	105.8	109.1	111.7	112.1	110.0	108.4	106.5	104.0	103.3	100.9	101.4			
T	DIST FROM SOURCE: 75 METERS															
	102.3	107.1	110.5	113.2	118.4	120.4	122.9	123.3	121.5	115.7	110.3	118.2	121.3	121.0	127.4	131.9
	119.5	119.2	118.6	117.4	115.2	113.5	111.8	111.0	110.8	108.7	109.0	104.7	105.1			
B	DIST FROM SOURCE: 238 METERS															
	94.9	101.4	104.2	107.1	110.1	114.0	115.9	112.2	98.8	89.9	93.3	103.3	108.7	111.0	116.1	122.0
	111.1	109.6	105.3	103.7	104.3	101.6	99.9	97.8	95.6	95.7	94.6					
C	DIST FROM SOURCE: 423 METERS															
	85.6	93.0	96.7	99.8	101.0	100.4	92.6	89.6	87.3	82.0	91.3	99.6	103.1	102.8	107.8	111.5
	100.9	103.0	99.3	95.0	94.1	91.9										
G	DIST FROM SOURCE: 2079 METERS															
	80.1	84.9	85.5	84.6	84.6	81.8	84.6	84.9	80.9	77.3	82.1	87.1	87.7	85.1	87.7	96.0
	80.0	73.0	66.2	58.3	50.7	46.6										
H	DIST FROM SOURCE: 2273 METERS															
	79.5	84.4	84.2	83.2	84.0	81.7	82.5	79.1	73.8	72.5	77.4	84.1	84.2	82.4	84.8	93.6
	78.5	71.3	63.1	56.6												
I	DIST FROM SOURCE: 2377 METERS															
	75.3	80.3	79.7	79.5	80.3	78.3	79.3	76.7	72.2	71.7	75.4	82.8	82.3	78.5	82.2	90.6
	74.1	67.7	58.9													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-439  
 )  
 )  
 ) MICROPHONE:  
 )  
 ) ARRAY 06  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( NUMBER 439 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 03 FEB 81 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)  
 MICROPHONE LOCATION 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 (DB)  
 U 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
 DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC  
 102.2 107.5 111.0 112.5 118.9 119.7 123.4 125.2 125.9 123.0 116.9 114.5 116.9 116.6 124.8 132.3  
 115.4 115.3 115.1 113.9 112.5 112.0 110.7 109.7 108.4 106.4 106.2 101.9 102.5

S DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC  
 102.6 107.4 110.9 112.5 119.6 119.5 124.1 126.8 128.0 125.6 119.6 112.7 109.4 105.3 122.4 133.3  
 100.3 100.7 103.4 106.8 110.2 111.6 110.4 109.4 106.6 104.8 103.0 99.4 100.5

T DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC  
 101.8 107.5 111.1 112.5 118.1 119.8 122.5 122.8 121.3 115.2 108.2 115.8 119.5 119.5 126.3 131.1  
 118.3 118.3 118.0 116.5 114.1 112.4 110.9 110.1 109.6 107.5 108.0 103.4 103.9

B DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 23 SEC  
 94.4 101.5 105.2 106.8 110.0 112.9 114.7 112.3 101.8 88.1 91.3 99.8 105.2 107.8 115.0 121.0  
 109.2 110.3 106.3 102.5 103.1 100.0 98.1 96.3 95.8

C DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 35 SEC  
 85.8 93.6 97.8 99.7 101.8 101.9 92.2 87.0 84.0 77.6 86.4 96.8 103.1 105.0 108.2 112.0  
 101.7 102.3 99.6 94.8 95.1 91.1

G DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC  
 78.5 85.9 87.2 84.2 80.9 77.4 77.7 77.7 75.5 72.7 76.6 82.2 84.2 81.9 84.3 93.6  
 78.1 71.6 64.9 57.7

H DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC  
 77.7 84.4 85.3 82.7 79.3 77.3 76.5 72.5 69.4 59.0 74.9 78.4 78.4 76.8 79.2 90.4  
 72.7 67.3 59.2

I DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC  
 73.3 81.6 81.4 76.7 76.8 73.7 70.6 70.5 68.5 64.4 66.9 74.0 73.8 72.0 74.7 86.6  
 68.9 63.3



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 440 ) ARRAY 06 ) OMEGA 12.2 )  
 LOCATION D2 HT AGL 1.5 M ( DATE 03 FEB 81 ) ) TEST AA-106-440 )  
 ) ) ) DATE 05 FEB 87 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	102.5	107.4	111.2	113.0	119.1	119.7	123.6	125.6	126.3	123.3	117.2	115.3	117.5	117.4	125.0	132.7
	116.1	115.6	115.2	114.1	112.6	111.9	110.5	109.7	108.2	106.2	106.1	102.0	102.5			
S	DIST FROM SOURCE: 75 METERS															
	102.8	107.3	111.1	113.1	119.7	119.5	124.4	127.2	128.4	126.0	119.9	113.1	110.2	106.4	122.5	133.6
	101.2	101.1	103.6	106.7	109.7	110.9	109.9	109.0	106.2	104.1	102.9	99.7	100.3			
T	DIST FROM SOURCE: 75 METERS															
	102.2	107.4	111.3	113.0	118.3	119.9	122.7	123.3	121.8	115.7	108.9	116.8	120.1	120.2	126.6	131.5
	119.1	118.5	118.1	116.7	114.4	112.8	111.0	110.4	109.6	107.7	107.9	103.5	104.0			
B	DIST FROM SOURCE: 238 METERS															
	95.8	101.6	105.0	106.4	109.3	112.4	115.6	112.5	100.7	90.4	90.5	99.2	103.6	106.1	114.5	120.9
	107.9	109.3	107.0	102.7	102.1	101.4	98.6	96.9								
C	DIST FROM SOURCE: 423 METERS															
	86.0	93.2	97.8	99.9	101.9	102.7	95.4	87.7	81.7	76.6	81.5	90.8	96.8	100.5	105.9	110.4
	101.4	100.6	98.2	94.3	91.0	89.4										
G	DIST FROM SOURCE: 2079 METERS															
	77.5	84.3	85.0	79.6	82.0	78.5	77.9	76.6	74.4	74.8	75.8	84.7	85.6	82.1	85.3	93.2
	78.2	73.1	64.2	55.6												
M	DIST FROM SOURCE: 2273 METERS															
	76.7	82.1	82.4	77.1	80.7	78.0	76.0	73.3	71.4	70.7	75.7	81.2	80.4	78.9	82.5	90.4
	75.9	70.5	62.8													
I	DIST FROM SOURCE: 2377 METERS															
	74.1	80.2	79.4	75.4	80.0	78.5	75.8	72.6	71.3	69.2	72.8	78.0	78.7	76.0	79.1	88.4
	73.1	67.2	58.1													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A (NUMBER 441) ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M (DATE 04 FEB 81) ) TEST AA-105-441  
 ) MICROPHONE: )  
 ) ARRAY 05 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	102.5	107.9	110.9	113.3	116.8	118.2	120.9	122.5	124.6	124.3	121.6	118.9	119.7	118.5	126.1	132.2
	117.8	117.0	117.0	113.2	110.8	109.2	108.3	107.1	106.0	105.9						
S	DIST FROM SOURCE: 66 METERS															
	102.7	108.0	111.1	113.5	117.0	117.6	121.1	123.3	125.9	125.7	121.9	115.6	112.0	106.7	120.0	131.7
	101.7	100.5	100.1	100.6	100.7	99.5	97.0	96.3	96.2	94.6	95.4					
T	DIST FROM SOURCE: 66 METERS															
	102.2	107.8	110.6	113.1	116.5	118.7	120.7	121.5	122.7	122.5	121.4	120.8	122.4	121.4	128.5	132.7
	120.7	120.8	120.0	118.6	116.1	113.7	112.0	111.1	109.9	108.8	108.7	102.9	105.7			
A	DIST FROM SOURCE: 134 METERS															
	93.7	99.5	102.4	105.1	107.0	110.7	111.9	111.5	110.2	104.6	97.7	95.3	97.4	96.8	105.8	118.4
	96.0	95.2	94.4	93.4	92.3	91.6	89.8	89.2	87.8	87.0	86.1	85.9				
B	DIST FROM SOURCE: 238 METERS															
	91.0	96.8	99.6	101.8	102.9	105.0	104.8	102.4	97.7	88.9	82.9	83.6	85.9	85.9	94.6	111.4
	84.7	84.3	83.9	81.9	80.3	78.8	76.9									
C	DIST FROM SOURCE: 431 METERS															
	85.4	91.2	94.5	96.9	98.3	97.2	91.6	86.1	81.1	74.9	75.2	77.5	79.5	79.0	85.5	103.8
	78.6	77.4	75.8	72.9	70.6	68.2	64.7	62.6								
D	DIST FROM SOURCE: 753 METERS															
	72.1	70.7	67.9	64.4	60.6	56.2										
	84.2	88.7	91.1	91.8	91.4	84.8	76.5	72.7	69.9	70.5	72.8	73.6	73.5			
E	DIST FROM SOURCE: 1255 METERS															
	73.3	79.0	82.9	84.7	84.1	81.4	73.8	72.5	70.4	67.8	66.7	69.1	70.0	69.3	73.5	90.3
	67.6	65.6	61.6	56.4	50.8	45.8										
F	DIST FROM SOURCE: 1757 METERS															
	68.4	73.4	77.1	78.5	78.3	75.8	72.9	71.1	69.9	65.3	62.7	64.3	64.6	64.0	68.3	84.9
	61.9	59.0	53.7	47.3												
G	DIST FROM SOURCE: 2087 METERS															
	64.3	68.7	72.4	73.8	73.0	71.7	65.5	64.4	60.9	57.3	57.9	59.4	60.8	60.0	63.2	79.9
	57.3	54.6														
I	DIST FROM SOURCE: 2377 METERS															
	66.8	67.6	71.3	72.0	72.9	70.1	68.8	68.1	66.9	65.0	63.2	63.4	61.3		64.8	79.2
	58.3	55.0	46.8	46.4	47.8											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A (NUMBER 442 ) ARRAY OS )  
 LOCATION 01 HT AGL 1.5 M ( DATE 04 FEB 81 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-442 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	102.5	108.3	111.6	113.3	117.3	118.5	121.1	123.0	125.1	124.9	122.2	119.5	120.2	119.0	126.7	132.7
	118.3	118.2	117.4	116.1	113.8	111.6	110.3	109.8	108.9	107.7	107.8	102.3	104.9			
S	66 METERS															
DIST FROM SOURCE:	102.7	108.4	111.8	113.4	117.5	117.8	121.2	123.8	126.5	126.3	122.7	116.7	112.9	107.4	121.2	132.3
	103.1	102.5	102.6	104.2	104.6	103.8	102.5	101.9	102.8	100.4	100.9	97.4	98.2			
T	66 METERS															
DIST FROM SOURCE:	102.4	108.2	111.4	113.1	117.0	119.0	120.9	122.0	123.1	122.7	121.7	121.3	122.8	121.8	129.0	139.2
	121.2	121.2	120.3	118.9	116.5	114.3	113.0	112.5	111.3	110.2	110.3	104.5	107.4			
A	134 METERS															
DIST FROM SOURCE:	93.6	100.0	103.2	105.2	107.7	111.1	112.3	112.0	110.5	104.8	97.5	95.3	96.9	95.7	106.1	118.8
	95.4	95.1	94.8	94.5	93.6	93.0	90.8	90.0	89.6	88.6	87.6	86.7				
B	238 METERS															
DIST FROM SOURCE:	91.4	97.5	101.0	102.5	104.0	105.9	105.7	103.4	98.6	90.0	84.5	84.1	86.2	86.1	95.3	112.3
	84.7	84.6	84.2	82.6	80.9	79.2	76.5									
C	431 METERS															
DIST FROM SOURCE:	85.0	91.5	95.1	96.9	99.0	97.9	92.8	88.7	83.6	76.2	74.2	76.9	78.4	77.8	85.4	104.3
	78.1	77.0	75.3	72.8	70.6	68.0	64.8	62.5								
D	753 METERS															
DIST FROM SOURCE:	80.6	86.2	90.8	92.9	94.2	93.8	88.8	84.7	70.0	70.7	74.0	75.2	75.5	99.7		
	74.1	74.1	71.4	69.0												
E	1255 METERS															
DIST FROM SOURCE:	72.0	77.0	80.8	81.9	81.8	79.7	73.1	70.8	69.4	66.6	66.3	68.7	69.0	69.0	72.8	88.2
	67.4	65.1	60.9	55.9	50.0	45.4										
F	1757 METERS															
DIST FROM SOURCE:	58.6	55.4	49.9	59.5	72.6	72.9	71.1	69.2	66.1	65.2	64.7	60.8	59.7	61.9	64.6	79.3
G	2087 METERS															
DIST FROM SOURCE:	64.0	64.7	63.9	64.5	63.8	61.9	59.3	56.8	53.9	55.3	56.7	57.4	56.2	71.3		
	53.2															
I	2377 METERS															
DIST FROM SOURCE:	63.3	63.2	66.1	65.0	67.2	48.1										
	56.2	53.7														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-443  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 443 ) MICROPHONE: ARRAY 05  
 SOUND SOURCE: C-135A ( DATE 04 FEB 81 )  
 LOCATION 01 HT AGL 1.5 M ( )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)													AL (DBA)	OASPL (DB)	
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 32 SEC															
S	102.2	107.4	110.8	112.6	116.4	117.9	120.8	122.5	124.1	124.5	122.2	120.4	121.0	119.9	127.0	132.6
	118.9	118.7	117.7	116.5	114.2	111.8	110.4	109.7	108.6	107.7	107.6	102.0	104.7			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
T	102.4	107.5	111.0	112.8	116.6	117.3	120.9	123.3	125.4	125.9	122.7	117.2	113.6	108.0	120.9	131.8
	103.4	102.7	102.9	104.2	104.6	103.6	101.6	101.0	100.6	98.5	99.4	97.6	97.7			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
A	102.0	107.3	110.5	112.4	116.1	118.4	120.6	121.6	122.3	122.6	121.7	122.2	123.6	122.7	129.5	133.3
	121.8	121.7	120.7	119.4	117.0	114.5	113.1	112.4	111.2	110.4	110.3	104.1	107.2			
	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
B	92.3	98.3	101.3	103.1	105.6	109.4	110.4	110.3	108.5	103.9	98.2	95.0	96.9	96.1	104.7	117.1
	95.3	95.2	94.5	92.7	90.8	89.4	87.2	86.5	84.7	83.0	82.8					
	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
C	91.3	96.8	100.3	101.6	103.1	105.4	105.0	103.2	98.9	91.1	85.9	89.0	89.5	89.8	97.4	111.9
	89.0	88.3	87.5	85.8	84.3	83.1	80.6	81.0	78.4	76.0						
	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
D	81.7	80.4	78.8	76.7	74.1	71.9	68.7	66.0							87.9	104.0
	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	OVERALL SAMPLE DURATION: 33 SEC															
E	79.2	84.9	89.4	90.9	92.0	91.4	84.0	75.3	72.0	70.3	70.8	73.4	74.0	73.7	79.2	97.7
	72.5	71.8	69.0	65.4	61.6	57.2										
	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
F	75.4	79.0	82.8	83.2	83.0	80.0	73.8	70.0	68.5	66.1	65.7	68.4	68.7	67.8	72.0	89.4
	66.3	63.6	59.8	54.4	49.7	45.2										
	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
G	62.9	59.5	54.2	47.2											68.2	82.0
	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	OVERALL SAMPLE DURATION: 33 SEC															
I	68.7	66.6	68.9	67.5	68.0										62.5	76.7
	56.3			46.3	46.8	46.1										
	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-444

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 444  
 DATE 04 FEB 81  
 ARRAY 05

MICROPHONE:  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.6	107.0	109.7	111.5	115.5	116.9	119.3	121.2	123.2	121.1	119.7	119.9	119.2		126.1	131.5
	118.0	117.7	116.8	115.7	113.5	111.0	109.4	108.7	107.6	106.7	106.5	100.9	103.8			
S	DIST FROM SOURCE: 66 METERS															
	101.8	107.1	110.0	111.7	115.7	116.3	119.5	122.0	124.5	124.5	121.4	116.4	112.2	107.2	119.5	130.6
	102.3	101.0	100.7	101.7	101.9	100.9	99.2	98.6	98.0	96.5	97.5	95.2	96.3			
T	DIST FROM SOURCE: 66 METERS															
	101.4	106.9	109.5	111.2	115.2	117.4	119.2	120.2	121.3	121.3	120.9	121.6	122.5	122.0	128.6	132.3
	120.9	120.6	119.7	118.6	116.4	113.8	112.2	111.5	110.4	109.5	109.2	103.3	106.4			
A	DIST FROM SOURCE: 134 METERS															
	91.6	97.6	100.2	102.0	104.5	108.2	109.0	109.0	107.6	102.2	96.0	94.8	97.1	96.8	105.5	116.1
	96.8	96.4	95.7	94.5	93.2	92.1	90.3	89.5	88.4	87.3	86.0	84.7	83.2			
B	DIST FROM SOURCE: 238 METERS															
	90.2	95.8	98.7	100.0	101.5	103.7	103.3	103.1	96.4	88.1	83.2	84.7	86.8	86.4	94.9	110.1
	86.2	85.6	85.2	83.6	82.4	80.6	78.4	77.9								
C	DIST FROM SOURCE: 431 METERS															
	84.1	90.0	93.2	94.8	96.6	95.8	91.0	87.0	81.9	75.7	74.9	77.7	79.6	79.3	85.9	102.4
	79.6	78.3	76.8	74.1	71.7	69.2	66.0	64.3								
D	DIST FROM SOURCE: 753 METERS															
	78.5	84.8	88.8	90.5	91.4	91.0	83.4	75.3	72.3	68.8	69.8	73.6	74.3	74.1	79.3	97.2
	73.0	72.2	69.1	65.6	61.7	57.1										
E	DIST FROM SOURCE: 1255 METERS															
	71.0	76.0	80.1	82.4	82.8	79.9	72.3	68.7	68.0	64.8	63.9	67.0	67.7	67.1	71.2	88.3
	65.5	63.2	59.7	54.0	48.8											
F	DIST FROM SOURCE: 1757 METERS															
	66.6	69.5	70.6	72.6	73.2	69.9	68.7	66.8	64.6	60.8	58.5	61.8	62.5	62.0	65.5	79.8
	59.9	57.0	51.3	44.9												
G	DIST FROM SOURCE: 2087 METERS															
	65.0	66.7	64.4	65.6	64.2	60.7	58.6	55.5	52.5	54.3	57.1	58.0	56.8	59.5	72.5	
	53.7	51.7														
I	DIST FROM SOURCE: 2377 METERS															
	67.8															
	55.3															58.9

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: ) OMEGA 12.2 )  
 SOUND SOURCE: C-135A ( NUMBER 445 ) ) TEST AA-105-445 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 04 FEB 81 ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL	OASPL (DB)		
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	
	DIST FROM SOURCE: 66 METERS													
	102.2	107.3	110.8	112.6	116.2	117.8	120.3	122.5	124.3	124.4	122.3	120.6	121.0	120.1
	118.8	118.7	117.8	116.7	114.3	112.0	110.5	109.7	108.4	107.7	107.6			
	DIST FROM SOURCE: 66 METERS													
	102.5	107.4	111.0	112.8	116.5	117.2	120.4	123.2	125.6	125.6	122.6	117.5	113.4	108.3
	102.9	101.1	100.7	101.4	101.6	100.4	98.1	97.2	96.5	95.4	96.4			
	DIST FROM SOURCE: 66 METERS													
	101.9	107.2	110.6	112.4	116.0	118.4	120.2	121.7	122.6	122.5	121.9	122.3	123.6	123.0
	121.7	121.6	120.8	119.7	117.2	114.9	113.3	112.6	111.3	110.6	110.4	104.5	107.6	
	DIST FROM SOURCE: 134 METERS													
	93.3	98.9	102.1	104.1	106.5	110.1	111.2	111.5	109.9	104.7	99.0	96.6	98.3	97.6
	96.4	95.5	94.2	92.9	91.5	90.5	87.0	87.0	86.9	84.9	85.1			
	DIST FROM SOURCE: 238 METERS													
	90.5	96.1	99.7	101.3	102.7	104.9	104.7	103.2	98.7	90.6	85.1	87.1	89.0	90.5
	90.4	89.5	89.6	88.1	86.3	85.0	82.9	83.2	81.5	79.2				
	DIST FROM SOURCE: 431 METERS													
	84.6	90.3	94.1	96.4	97.8	96.9	92.6	88.9	82.4	77.2	76.6	79.3	81.7	80.9
	80.1	80.0	79.1	76.2	74.8	71.9	69.2	66.8						
	DIST FROM SOURCE: 753 METERS													
	78.6	84.3	88.9	90.9	92.1	91.9	83.7	76.7	72.7	70.5	71.5	75.1	75.7	75.4
	74.2	73.4	70.8	67.1	63.5	59.0								
	DIST FROM SOURCE: 1255 METERS													
	71.9	76.8	81.5	82.9	83.5	80.9	73.4	69.4	68.0	65.3	64.2	67.4	68.0	67.5
	66.1	64.3	60.8	55.6	49.6	45.1								
	DIST FROM SOURCE: 1757 METERS													
	66.5	69.8	74.1	74.7	73.8	70.6	66.5	67.1	65.5	61.0	59.4	63.4	63.9	62.9
	60.7	57.4	52.0	45.7										
	DIST FROM SOURCE: 2087 METERS													
	65.9	69.5	70.2	68.8	66.5	62.0	60.4	57.9	53.2	54.8	57.5	58.6	57.6	
	54.6	52.2												
	DIST FROM SOURCE: 2377 METERS													
	56.1	53.0												
	OVERALL SAMPLE DURATION: 37 SEC													
	61.3 60.6 58.9													

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-446  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB (EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A (NUMBER 446) ARRAY 06  
 LOCATION 02 HT AGL 1.5 M (DATE 04 FEB 81) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.7	105.0	108.2	110.2	116.5	118.1	122.0	124.9	125.8	121.1	114.0	113.4	116.1	115.3	124.3	131.5
	115.1	115.9	114.9	113.5	112.3	112.1	110.5	109.4	107.7	105.8	105.5	101.4	101.9			
S	DIST FROM SOURCE: 75 METERS															
	99.9	104.8	108.1	110.1	117.1	117.6	122.4	126.4	128.0	123.7	116.6	110.7	109.1	103.6	122.0	132.4
	98.9	101.0	104.1	107.4	110.7	112.1	110.7	109.3	106.8	104.7	102.9	99.9	100.5			
T	DIST FROM SOURCE: 75 METERS															
	99.4	105.3	108.4	110.3	115.8	118.4	121.4	122.7	121.4	114.1	106.1	115.1	118.6	118.1	125.8	130.4
	118.0	118.8	117.7	116.0	113.4	112.1	110.3	109.5	108.5	106.7	107.1	102.6	102.9			
A	DIST FROM SOURCE: 134 METERS															
	96.5	101.5	105.7	107.2	113.5	116.7	120.8	121.4	118.6	106.4	93.5	102.2	106.7	108.6	119.4	127.0
	110.1	112.5	112.2	109.6	108.2	106.3	104.8	103.2	100.7	98.2	96.0	94.3	92.0			
B	DIST FROM SOURCE: 238 METERS															
	96.3	102.1	104.1	105.3	109.0	112.0	114.8	112.5	103.1	94.5	93.4	97.5	101.6	104.5	113.9	120.5
	106.8	109.1	107.2	101.9	100.9	100.7	97.1	95.4	92.8	91.1	89.3	88.8	87.0			
C	DIST FROM SOURCE: 423 METERS															
	83.5	91.4	95.1	97.4	99.6	100.0	97.9	93.4	83.9	76.8	81.4	89.1	92.8	96.2	104.3	108.6
	99.0	100.7	97.3	91.8	89.1	86.6	82.8									
D	DIST FROM SOURCE: 753 METERS															
	80.5	89.2	93.1	95.7	96.7	92.8	89.2	87.9	84.8	78.5	81.2	90.6	94.4	95.7	99.2	104.7
	94.5	93.8	89.3	84.5	80.9	76.3	71.3	67.9								
E	DIST FROM SOURCE: 1255 METERS															
	80.6	89.2	92.2	93.1	92.2	87.2	84.8	89.1	85.9	81.6	79.2	86.5	89.8	89.7	92.9	100.9
	88.5	86.5	81.3	73.7	70.3	64.1										
F	DIST FROM SOURCE: 1757 METERS															
	79.2	87.5	90.3	88.5	83.2	76.8	78.4	81.4	79.3	78.8	80.7	87.9	89.6	88.1	90.2	97.6
	84.0	79.7	72.1	64.9	57.0	49.9										
G	DIST FROM SOURCE: 2079 METERS															
	77.4	84.4	85.8	82.6	77.9	76.9	77.7	77.0	75.6	72.3	75.5	81.9	83.1	81.5	83.8	92.5
	77.6	73.0	66.4	57.1	48.0	44.3										
H	DIST FROM SOURCE: 2273 METERS															
	77.5	84.2	85.1	80.3	78.0	78.1	76.0	76.6	74.7	73.4	76.3	82.9	83.6	81.2	84.0	92.3
	77.8	72.4	65.3	55.7												
I	DIST FROM SOURCE: 2377 METERS															
	74.4	81.2	81.2	76.2	76.2	76.0	76.9	77.0	74.4	73.6	77.1	81.0	82.0	79.1	82.3	90.1
	76.1	70.6	62.6	53.1												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST RA-106-447

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-133A ( NUMBER 447 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 04 FEB 81 )

MICROPHONE: )  
 ) ARRAY 06

DATE 05 FEB 87  
 ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DB)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	100.2	105.0	108.2	110.1	116.8	117.9	121.0	125.1	125.6	120.9	113.6	113.9	116.6	115.8	124.5	131.6
	115.6	115.9	114.5	113.5	112.9	112.5	110.8	109.7	108.0	106.1	105.7	101.8	102.2			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 37 SEC															
	100.3	104.8	108.1	110.0	117.4	117.5	122.4	126.7	127.8	129.6	116.2	110.9	109.4	104.7	122.4	132.4
	100.1	102.3	105.4	108.6	111.7	112.7	111.1	109.7	107.4	105.3	103.3	100.5	101.1			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 38 SEC															
	100.0	105.2	108.3	110.1	116.0	118.2	121.2	122.8	120.9	113.0	106.1	115.7	119.2	118.7	126.0	130.5
	118.5	118.8	117.3	115.8	113.9	112.3	110.4	109.7	108.6	106.8	107.2	102.8	103.1			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	96.5	101.3	105.4	106.6	113.5	116.4	120.5	121.3	118.0	105.2	93.3	103.4	108.2	109.8	119.6	126.9
	111.1	113.0	112.5	109.5	107.6	106.9	104.8	103.2	100.6	98.2	95.8	93.8	91.3			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	92.4	99.2	101.9	103.5	108.6	110.7	114.0	112.3	101.9	86.8	85.5	95.5	100.7	103.5	113.0	119.5
	105.4	107.6	106.5	102.2	100.2	100.1	96.0	94.4	92.1	89.9	87.9	87.8	85.9			
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	84.3	91.9	95.4	97.5	100.6	99.4	93.9	88.8	85.1	78.6	87.0	96.2	100.9	102.0	106.9	110.5
	102.4	101.6	97.6	93.8	93.0	89.2	85.9	83.8								
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 38 SEC															
	80.6	88.7	92.1	94.3	96.2	91.6	88.0	86.5	83.5	77.7	80.3	89.2	91.6	92.7	98.0	103.5
	93.9	93.1	89.6	83.9	80.3	75.9	69.4	67.0								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 41 SEC															
	77.5	85.8	88.8	89.9	90.4	83.1	77.9	79.4	79.6	78.9	76.1	85.3	88.2	89.9	91.6	98.3
	87.5	83.8	78.2	71.0	65.9	58.5										
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 37 SEC															
	77.7	84.9	88.2	86.8	81.9	76.2	76.6	79.1	76.8	73.6	75.2	82.8	83.7	82.5	85.2	94.3
	80.7	75.6	67.8	60.9	52.5											
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 37 SEC															
	76.4	82.9	84.1	81.1	78.0	73.0	73.2	77.4	76.0	71.1	72.7	80.9	83.4	80.4	83.2	91.4
	77.4	71.9	63.5	54.1												
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 39 SEC															
	75.3	81.7	82.1	77.6	77.6	73.7	72.8	72.2	68.1	66.5	73.4	79.9	81.2	78.4	81.2	89.5
	75.1	69.2	61.0	51.0												
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	72.4	79.1	79.0	74.4	76.8	71.8	70.0	71.0	69.2	65.5	71.0	76.6	78.2	75.2	78.3	86.7
	72.8	66.4	57.5	47.6												



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	100.2	105.0	108.5	110.1	116.8	118.2	122.2	125.3	126.0	121.3	113.9	114.5	117.3	116.5	125.1	131.9
	116.2	116.3	114.9	114.0	113.7	113.1	111.4	110.3	108.4	106.7	106.3	102.6	103.0			
S	DIST FROM SOURCE: 75 METERS															
	100.5	104.9	108.4	110.1	117.4	117.8	122.8	126.9	128.2	123.9	116.4	111.2	110.2	106.0	123.2	132.8
	101.6	104.0	107.3	110.4	112.7	113.5	111.8	110.6	108.0	106.2	104.5	101.9	102.5			
T	DIST FROM SOURCE: 75 METERS															
	99.8	105.2	108.6	110.2	116.0	118.5	121.4	122.8	121.1	112.9	107.0	116.3	119.8	119.3	126.4	130.8
	119.2	119.2	117.5	115.9	114.5	112.7	110.9	110.0	108.7	107.2	107.5	103.1	103.4			
A	DIST FROM SOURCE: 134 METERS															
	97.1	101.5	106.0	107.2	114.1	117.2	121.4	122.1	118.5	105.4	95.1	105.4	111.1	112.9	121.4	127.9
	113.9	115.5	113.6	110.7	110.0	108.1	105.8	104.2	101.7	99.4	96.9	95.1	92.5			
B	DIST FROM SOURCE: 238 METERS															
	92.1	99.1	101.9	103.4	108.5	111.0	114.6	113.1	103.2	87.4	94.6	99.3	102.4	120.0	113.4	120.0
	105.3	108.2	107.2	103.8	99.9	100.3	98.1	94.9	93.5							
C	DIST FROM SOURCE: 423 METERS															
	84.0	91.3	95.2	97.1	100.1	99.8	96.9	94.3	84.8	77.8	83.2	91.6	96.2	97.8	104.7	108.9
	98.3	99.3	98.2	94.8	90.8	88.8	87.1	85.3								
D	DIST FROM SOURCE: 753 METERS															
	81.3	89.4	93.3	95.7	97.8	94.0	88.6	84.1	80.6	78.3	84.8	94.4	97.1	95.8	100.3	105.6
	95.8	94.1	90.1	85.7	82.3	77.8	71.3	68.4								
E	DIST FROM SOURCE: 1255 METERS															
	78.0	86.0	89.2	90.2	90.6	84.1	80.6	79.9	77.9	75.8	75.0	85.8	89.5	87.6	90.8	98.2
	85.5	83.9	78.3	72.3	68.3	61.5										
F	DIST FROM SOURCE: 1757 METERS															
	77.1	84.7	87.7	85.8	80.5	75.8	78.8	76.5	74.9	73.4	76.4	85.1	86.7	86.2	88.1	95.0
	83.2	78.7	70.6	64.4	58.5											
G	DIST FROM SOURCE: 2079 METERS															
	77.1	84.0	86.0	82.4	77.4	73.6	74.9	78.4	75.4	71.8	76.4	83.5	85.8	82.8	85.4	93.1
	78.9	72.9	66.2	58.2												
H	DIST FROM SOURCE: 2273 METERS															
	75.3	82.3	84.2	79.6	74.1	72.2	73.1	74.2	70.9	69.5	75.4	81.0	82.9	81.0	83.2	90.9
	77.1	71.7	63.4	53.8												
I	DIST FROM SOURCE: 2377 METERS															
	72.9	79.4	80.7	75.9	72.0	70.4	70.8	71.5	68.6	68.3	72.9	78.2	79.4	76.5	79.5	87.6
	73.5	68.1	60.6	50.1												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-449  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 449 ) ARRAY 06  
 LOCATION 02 MT AGL 1.5 M ( DATE 04 FEB 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	99.6	104.8	108.0	109.8	116.7	117.3	121.7	124.9	125.3	121.0	113.8	113.3	115.4	114.8	124.2	131.3
	114.9	115.7	114.9	113.5	112.0	111.8	110.6	109.7	107.5	106.1	105.9	101.5	102.1			
S	DIST FROM SOURCE: 75 METERS															
	99.8	104.6	107.9	109.8	117.3	116.9	122.2	126.3	127.4	123.6	116.5	110.8	108.4	103.2	121.8	132.1
	98.5	100.4	103.5	107.1	110.1	111.7	110.9	109.9	106.5	105.1	103.6	99.9	100.8			
T	DIST FROM SOURCE: 75 METERS															
	99.3	105.0	108.1	109.9	116.0	117.7	121.1	122.7	121.0	114.0	106.2	114.9	117.9	117.7	125.7	130.2
	117.8	118.6	117.8	115.9	113.3	111.8	110.3	109.5	108.3	106.9	107.3	102.6	103.1			
A	DIST FROM SOURCE: 134 METERS															
	96.4	101.4	105.9	106.8	114.0	116.4	120.9	121.8	119.1	106.1	103.2	107.7	109.1	119.7	127.2	
	110.6	113.0	112.9	110.2	107.6	106.2	105.6	103.1	100.5	98.4	96.2	94.3	92.1			
B	DIST FROM SOURCE: 238 METERS															
	98.0	101.5	102.7	104.3	109.5	110.8	114.0	112.9	102.6	90.6	90.0	97.6	101.4	103.5	113.0	119.9
	105.7	108.4	106.3	101.1	100.6	99.6	95.3	93.8								
C	DIST FROM SOURCE: 423 METERS															
	82.9	90.6	94.2	96.2	99.7	98.5	95.8	92.1	81.9	79.6	78.1	87.3	92.4	95.6	103.2	107.6
	97.3	98.7	97.2	92.3	87.6	86.3	83.8									
D	DIST FROM SOURCE: 753 METERS															
	80.1	88.1	91.8	94.2	97.0	92.8	86.4	82.3	77.2	72.8	77.3	85.7	90.3	92.6	97.0	103.1
	93.2	92.1	88.1	82.1	79.2	74.1	68.6									
E	DIST FROM SOURCE: 1253 METERS															
	77.7	85.4	89.1	90.6	91.8	85.1	78.1	78.3	75.7	74.0	75.0	82.6	85.2	86.1	89.6	97.8
	85.6	83.9	79.6	72.1	65.7	61.2										
F	DIST FROM SOURCE: 1757 METERS															
	77.9	85.3	88.4	87.6	84.1	76.8	75.4	77.2	74.1	73.2	76.1	83.4	84.4	83.2	86.0	94.8
	81.1	78.0	69.6	61.9	54.6											
G	DIST FROM SOURCE: 2079 METERS															
	77.3	84.2	86.0	83.2	82.0	78.0	76.9	78.3	75.5	72.1	74.8	81.3	83.4	81.5	83.8	92.8
	78.2	72.7	65.2	56.2	47.8											
H	DIST FROM SOURCE: 2273 METERS															
	76.4	83.7	85.3	81.9	81.1	78.0	77.5	74.7	71.0	71.2	76.6	83.2	84.1	81.2	84.0	92.5
	77.1	71.6	63.3													
I	DIST FROM SOURCE: 2377 METERS															
	73.3	81.1	81.9	78.3	78.0	74.8	74.3	74.8	72.3	69.7	74.7	80.8	82.2	78.2	81.5	89.8
	74.0	68.5	60.5	50.2												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 450 ) ARRAY 05 ) OMEGA 12.2 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 12 FEB 81 ) ) TEST AA-105-450 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	173 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	126.3	134.2
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
S	102.8	108.4	111.5	113.8	118.0	119.9	122.8	124.6	126.4	125.9	122.9	121.7	122.7	120.9	122.7	133.6
	119.9	119.7	118.7	117.6	115.2	113.5	112.5	111.9	110.0	109.4	109.7					
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
T	103.6	108.9	112.1	114.3	118.6	119.6	123.3	125.5	127.5	126.8	123.5	120.2	119.1	114.8	130.6	134.7
	108.4	103.0	102.4	101.7	101.7	100.7	98.7	98.0	99.7	96.9	97.4					
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
A	101.8	107.8	110.8	113.2	117.4	120.2	122.2	123.4	124.9	124.7	122.3	122.8	124.6	123.3	110.8	121.2
	122.8	122.6	121.6	120.6	118.1	116.4	115.4	114.8	112.8	112.3	112.6	108.1	108.9			
	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
B	94.8	100.8	103.8	105.8	109.0	113.1	114.1	114.1	113.3	109.3	104.6	100.3	100.4	100.8	97.9	114.2
	101.3	101.6	101.0	99.9	98.3	97.1	95.3	94.8	93.5	92.7	91.7	90.4	89.0			
	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
C	91.9	97.8	101.2	102.8	104.9	108.2	108.2	105.9	100.3	93.6	87.8	87.1	89.2	88.9	88.0	106.6
	86.7	87.2	86.9	84.9	84.5	83.1	80.4	80.7	79.6							
	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
D	80.5	86.7	91.3	92.7	93.6	94.0	84.8	73.4	70.4	67.6	68.7	71.3	71.5	71.2	78.2	99.6
	70.1	69.7	66.8	63.5	61.0	58.1										
	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
E	75.4	81.9	86.6	87.1	86.9	84.2	76.8	69.4	65.2	63.1	62.5	66.3	67.0	66.3	71.3	93.0
	64.3	62.1	58.4	54.0	49.9	46.5										
	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
F	71.3	78.4	81.9	81.4	78.3	74.4	69.3	65.2	62.3	59.0	59.8	63.4	62.9	61.7	65.6	86.9
	58.7	59.0	49.5	43.7												
	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
G	69.1	76.5	77.8												60.9	81.5
	53.6	50.0														
	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 451 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 12 FEB 81 ) ARRAY OS )  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-451 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	BK	10K			
	DIST FROM SOURCE: 66 METERS															
	102.0	107.8	110.8	113.6	117.6	119.6	122.4	124.0	126.2	125.5	122.4	121.3	122.4	120.6	127.8	133.8
	119.6	119.2	118.3	117.2	114.8	113.0	111.8	111.1	109.0	108.5	109.0					
S	DIST FROM SOURCE: 66 METERS															
	102.7	108.3	111.3	114.1	118.1	119.3	122.8	124.8	127.2	126.3	122.8	119.7	118.8	114.5	122.2	133.1
	108.4	102.0	100.9	99.6	99.5	98.6	96.6	95.9	96.0	94.3	95.8					
T	DIST FROM SOURCE: 66 METERS															
	101.1	107.3	110.2	113.2	117.1	119.9	121.9	123.0	124.9	124.5	121.9	122.5	124.4	123.0	130.2	134.4
	122.4	122.1	121.2	120.2	117.8	115.9	114.7	114.1	111.9	111.4	111.9	107.2	108.2			
A	DIST FROM SOURCE: 134 METERS															
	94.1	100.1	102.9	105.6	108.5	112.8	113.7	113.5	109.7	105.5	101.9	101.8	100.8		110.0	121.0
	100.8	100.4	99.6	98.0	96.5	95.3	93.0	92.3	92.9	90.8	89.7	89.8				
B	DIST FROM SOURCE: 238 METERS															
	91.4	97.5	100.7	102.8	104.6	108.0	108.0	106.3	101.2	93.7	87.9	88.4	90.6	90.6	99.6	114.1
	89.8	89.9	90.0	87.9	86.6	85.1	84.8	84.9								
C	DIST FROM SOURCE: 431 METERS															
	86.1	92.3	95.7	98.4	100.8	101.8	96.4	88.8	86.2	79.4	74.7	76.7	78.6	78.0	87.0	106.6
	78.2	77.5	76.4	73.9	72.4	70.8	69.1	68.1								
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 28 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 452 ) ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 12 FEB 81 ) ) TEST AA-105-452 )  
 ( ) ) ) )  
 ( ) ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	101.8	108.0	111.0	113.2	117.9	119.7	122.7	124.0	126.2	125.5	122.7	121.5	122.5	120.7	128.0	133.9
	119.8	119.4	118.4	117.4	115.0	113.2	112.0	111.4	109.6	109.1	109.3					
S	DIST FROM SOURCE: 66 METERS															
	102.5	108.5	111.6	113.6	118.4	119.4	123.1	124.9	127.2	126.3	123.1	119.9	119.0	114.7	122.4	139.2
	108.8	102.5	101.6	100.6	100.3	99.2	97.1	96.3	95.6	93.6	94.6					
T	DIST FROM SOURCE: 66 METERS															
	101.0	107.5	110.4	112.7	117.3	120.0	122.3	122.9	124.9	124.5	122.2	122.6	124.4	123.2	130.4	134.5
	122.7	122.4	121.3	120.4	117.9	116.1	114.9	114.4	112.5	112.0	112.2	107.7	108.5			
A	DIST FROM SOURCE: 134 METERS															
	93.9	100.2	103.1	105.1	108.5	112.6	113.9	113.2	113.0	109.0	104.9	99.6	98.8	99.2	109.7	120.7
	100.1	99.8	98.4	96.9	95.8	93.9	93.3	92.1	91.4	89.9	88.6	88.6				
B	DIST FROM SOURCE: 238 METERS															
	90.8	97.3	100.5	102.0	104.0	107.4	107.7	105.0	99.5	92.5	86.8	85.3	87.0	85.5	96.2	113.4
	85.2	86.5	84.3	81.8	80.7	79.2										
C	DIST FROM SOURCE: 431 METERS															
	85.3	91.9	95.5	97.7	100.5	101.5	96.2	88.1	85.2	76.2					84.2	106.2
	74.3	74.2	71.0	69.1	67.8											
D	DIST FROM SOURCE: 753 METERS															
	78.6	85.5	89.6	91.5	92.6	93.4	85.0	68.1	65.2	65.7	68.8	68.5	68.8	68.0	76.4	98.6
	67.4	66.4	64.4	61.5	58.0	55.3										
E	DIST FROM SOURCE: 1255 METERS															
	73.5	81.4	85.2	85.4	84.7	82.4	75.0	65.6	61.7	59.6	60.2	63.2	63.4	62.6	68.5	91.3
	61.5	58.9	55.4	50.8	46.3											
F	DIST FROM SOURCE: 1757 METERS															
	68.9	76.6	80.2	79.8	77.1	72.7	66.9	60.9	58.6	56.4	56.6	59.4	58.9	56.9	61.6	85.2
	53.0	49.3	43.6													
G	DIST FROM SOURCE: 2087 METERS															
	66.1	72.8	77.2	76.5	72.5										57.7	81.5
	48.9															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 453 ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 12 FEB 81 ) ARRAY 05 ) OMEGA 12.2  
 LOCATION 01 HT AGL 1.5 M ( ) ) DATE 05 FEB 87 ) TEST AA-105-453  
 ( ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	101.5	107.8	110.9	113.4	117.5	119.6	122.8	124.2	126.0	125.4	122.5	121.6	122.6	120.5	128.2	133.9
	119.7	119.5	118.7	117.7	115.4	113.5	112.3	111.6	109.7	109.4	109.7					
S	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 56 METERS	102.2	108.3	111.5	113.8	118.0	119.2	123.2	125.0	126.9	126.1	122.9	119.9	119.0	114.6	122.3	133.1
	108.8	102.4	101.3	100.0	100.2	99.2	97.1	96.3	96.7	94.6	95.5					
T	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 66 METERS	100.7	107.4	110.2	112.9	117.0	119.0	122.3	123.3	124.8	124.4	122.1	122.8	124.6	123.4	130.6	134.6
	122.6	122.5	121.7	120.7	118.3	116.4	115.2	114.6	112.6	112.3	112.6	107.7	108.9			
A	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 134 METERS	99.7	100.0	103.0	105.2	108.2	112.7	114.1	113.7	113.1	109.3	105.5	101.0	100.2	100.3	109.5	120.8
	100.6	100.3	99.4	97.8	95.7	94.2	91.9	91.3	92.2	88.6	87.5	87.2				
B	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 238 METERS	90.6	97.1	100.5	102.4	104.1	107.9	108.0	105.9	100.2	93.0	87.6	85.4	87.1	87.8	98.1	113.8
	87.6	88.2	88.5	86.5	85.0	83.3	82.7	81.7								
C	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 431 METERS	85.2	91.6	95.2	97.5	99.9	101.4	96.6	87.8	84.2	75.9	71.7	73.3	75.0	73.8	84.9	106.0
	74.8	73.3	72.1	69.9	68.4	66.4	64.1	62.8								
D	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 753 METERS	77.9	84.7	89.1	90.9	91.9	93.1	85.5	73.6	66.0	63.4	64.4	67.1	66.9	67.4	75.5	98.1
	65.5	64.9	61.5	58.2	55.3	52.7										
E	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 1255 METERS	72.4	79.4	83.5	84.1	83.2	79.9	73.5	65.7	63.5	60.4	60.3	63.4	63.8	62.9	67.8	89.7
	60.9	58.1	54.3	49.3	45.2											
F	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 1757 METERS	68.5	75.3	78.9	78.9	77.0	74.7	68.7	63.1	60.7	57.0	57.2	60.5	60.1	58.5	63.0	84.5
	55.7	51.8	48.2													
G	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 2087 METERS	65.6	71.3	74.6	75.5	71.8											
	50.5	47.9														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-105-454

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 454 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 12 FEB 81 ) )  
 ) ) )  
 ) ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	101.6	107.8	110.6	113.7	117.8	119.2	122.3	124.0	126.0	125.2	122.5	121.2	122.2	120.7	127.7	133.6
	119.5	119.2	118.4	117.4	115.2	113.1	111.0	111.1	108.9							
S	DIST FROM SOURCE: 66 METERS															
	102.2	108.2	111.1	113.6	118.2	118.8	122.6	124.7	126.9	125.9	122.7	119.5	118.5	114.5	121.9	132.8
	108.4	101.4	100.1	98.2	97.7	96.7	94.7	94.4	95.7							
T	DIST FROM SOURCE: 66 METERS															
	100.8	107.4	110.1	112.8	117.3	119.6	121.9	123.0	124.9	124.5	122.3	122.5	124.2	123.2	130.3	134.4
	122.4	122.2	121.4	120.4	118.1	116.1	114.8	114.0	111.8	111.4	111.9	107.0	108.2			
A	DIST FROM SOURCE: 134 METERS															
	93.7	100.3	102.9	105.1	108.4	112.2	113.7	113.4	113.0	109.2	105.5	100.7	99.0	98.5	108.1	120.5
	98.7	98.2	97.2	95.0	92.9	91.2	88.7	87.5	86.1	84.7	83.4					
B	DIST FROM SOURCE: 238 METERS															
	90.5	97.1	100.0	101.9	104.1	106.9	107.4	105.9	100.7	92.8	87.4	85.4	85.6	85.9	96.7	113.3
	86.0	84.8	84.8	83.5	82.4	81.0										
C	DIST FROM SOURCE: 431 METERS															
	84.7	91.2	94.4	96.7	99.7	100.1	96.1	87.7	84.0	75.8	71.1	73.2	75.5	75.0	84.8	105.3
	75.7	74.7	73.3	70.7	69.0	67.2	64.6	63.2								
D	DIST FROM SOURCE: 753 METERS															
	78.7	85.3	89.4	91.1	92.3	92.5	84.8	72.9	69.5	66.7	66.4	70.6	70.0	69.4	76.8	98.1
	68.7	68.2	64.9	61.4	58.6	55.2										
F	DIST FROM SOURCE: 1757 METERS															
	69.0	75.5	78.5	78.5	76.4	71.8	67.2	62.2	60.4	59.2	56.8	59.0	59.0	55.7	61.0	83.9
	52.3	48.6	43.6													
G	DIST FROM SOURCE: 2087 METERS															
	67.2	71.9	75.2	74.8												
	50.4															
	OVERALL SAMPLE DURATION: 39 SEC															
	58.9 56.9															





TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 456 ) ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 12 FEB 61 ) ) TEST AA-106-456 )  
 ) ) ) DATE 05 FEB 67 )  
 ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	101.3	106.7	109.7	111.7	117.7	118.8	122.6	124.0	123.6	119.7	113.0	110.1	112.7	112.7	122.7	130.5
	112.8	113.3	113.4	113.0	111.3	109.5	107.9	107.9	106.9	105.9	106.7	103.1	103.5			
S	DIST FROM SOURCE: 75 METERS															
	101.6	106.6	109.7	111.8	118.3	118.6	123.4	125.6	125.6	122.0	115.4	105.4	100.0	96.2	118.7	131.3
	95.7	98.9	100.1	100.7	101.8	102.9	102.3	104.2	104.3	104.3	105.6	103.2	103.6			
T	DIST FROM SOURCE: 75 METERS															
	100.9	106.8	109.7	111.6	116.9	119.0	121.5	121.4	119.4	114.4	107.0	112.3	115.5	115.7	124.7	129.5
	115.8	116.3	116.3	115.8	114.0	112.0	110.2	109.9	108.5	107.1	107.6	103.0	103.5			
C	DIST FROM SOURCE: 423 METERS															
	84.7	91.7	95.3	97.5	99.6	99.5	92.0	91.0	82.0	73.4	74.8	79.6	84.0	85.9	94.5	105.4
	86.2	86.9	86.3	85.3	84.6	83.1	81.8	80.3								
D	DIST FROM SOURCE: 753 METERS															
	80.5	88.5	92.2	94.8	96.0	93.2	83.4	75.8	71.2	67.2	66.6	72.8	75.1	76.4	84.2	100.6
	77.4	77.3	76.6	74.9	72.8	69.4	65.9									
E	DIST FROM SOURCE: 1255 METERS															
	76.4	84.4	88.1	89.8	89.3	84.3	76.4	67.2	63.5	62.0	62.3	67.1	69.1	70.5	76.2	95.0
	71.1	70.2	67.6	63.8	59.0	53.6										
F	DIST FROM SOURCE: 1757 METERS															
	73.8	81.2	85.1	84.9	80.1	73.2										
	63.8	62.7	59.1	52.5	48.4											
G	DIST FROM SOURCE: 2079 METERS															
	72.3	80.1	83.2	82.4	77.3	72.5	66.3	65.4	60.1	58.3	57.7	62.0	63.2	62.2	65.9	87.7
	60.5	56.7	51.6	44.4												
H	DIST FROM SOURCE: 2273 METERS															
	70.4	78.8	81.7	80.6												
	56.4	52.0	47.2													
I	DIST FROM SOURCE: 2377 METERS															
	67.2	75.7	78.5	76.9												
	52.6	49.1														

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-057

MICROPHONE:  
 ) ARRAY 06  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( NUMBER 457 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 12 FEB 81 )

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)							AL (DB)	OASPL (DB)						
	25	31.5	40	50	63	80	100			125	160	200	250	315	400
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		
	DIST FROM SOURCE: 75 METERS														
	OVERALL SAMPLE DURATION: 35 SEC														
	101.3	106.3	109.3	111.6	117.3	118.6	122.1	123.6	123.6	119.7	112.6	108.8	110.8	110.8	130.0
110.5	110.6	110.8	110.9	109.7	107.8	106.1	106.2	104.4	104.8	100.7	100.6				
S	DIST FROM SOURCE: 75 METERS														
	OVERALL SAMPLE DURATION: 35 SEC														
	101.5	106.3	109.3	111.7	118.0	118.5	122.9	125.2	125.6	122.0	114.9	104.7	98.3	93.9	131.0
	92.6	95.4	96.5	97.5	99.3	100.7	100.6	102.7	103.1	103.7	100.3	98.9			
T	DIST FROM SOURCE: 75 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	101.0	106.4	109.3	111.4	116.5	118.8	121.1	121.1	119.6	114.7	107.3	110.9	113.7	113.8	128.7
	113.5	113.8	113.9	112.5	110.4	108.5	108.2	107.1	105.3	105.8	101.0	101.8			
C	DIST FROM SOURCE: 423 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	85.9	92.3	96.1	97.9	99.5	99.3	93.2	90.2	80.6	73.6	74.6	78.6	81.6	83.2	105.5
	83.6	84.9	85.6	85.5	84.5	81.6									
D	DIST FROM SOURCE: 753 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	82.5	90.0	93.8	95.7	96.0	91.4	84.9	79.6	77.5	72.3	71.0	75.6	79.1	81.6	101.4
	82.2	82.5	81.2	78.7	75.4	70.8	67.2								
E	DIST FROM SOURCE: 1255 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	77.2	84.8	88.8	90.1	89.1	83.2	76.5	70.2							
	69.5	68.7	66.1	62.1	58.5	54.7									
F	DIST FROM SOURCE: 1757 METERS														
	OVERALL SAMPLE DURATION: 36 SEC														
	76.4	83.1	87.0	86.6	81.8	74.1									
	64.1	60.6	54.7	48.1											
G	DIST FROM SOURCE: 2079 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	75.1	82.9	86.1	84.5	79.8	74.0	69.1								
	63.5	58.8	52.4	44.8											
M	DIST FROM SOURCE: 2273 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	75.2	81.9	84.8	82.8	78.2	75.4	69.9	68.3							
	62.1	56.8	50.9												
I	DIST FROM SOURCE: 2377 METERS														
	OVERALL SAMPLE DURATION: 34 SEC														
	72.4	79.6	81.9	79.6	77.1	74.1	69.2								
	58.4	53.9	48.8												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-458  
 DATE 05 FEB 87  
 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 458 )  
 SOUND SOURCE: C-135A ( DATE 12 FEB 81 )  
 LOCATION 02 HT AGL 1.5 M ( )  
 MICROPHONE: ARRAY 06

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	101.4	106.7	109.8	111.7	117.7	119.0	122.8	124.3	123.6	119.7	113.4	110.1	112.3	112.7	122.6	130.6
	112.6	112.9	112.8	112.8	111.3	109.5	107.9	107.9	107.0	106.1	107.0	103.3	103.5			
S	DIST FROM SOURCE: 75 METERS															
	101.6	106.7	109.8	111.9	118.5	118.8	123.6	125.9	125.7	122.1	115.9	105.6	100.0	96.9	119.0	131.5
	96.2	98.8	99.6	100.3	101.9	103.2	102.9	105.0	105.6	105.6	106.7	103.8	103.7			
T	DIST FROM SOURCE: 75 METERS															
	101.2	106.8	109.8	111.6	116.9	119.1	121.7	121.6	119.3	114.1	107.3	112.2	115.2	115.7	124.5	129.5
	115.6	115.8	115.7	115.7	114.1	111.9	110.1	109.6	108.1	106.6	107.3	102.7	103.4			
C	DIST FROM SOURCE: 423 METERS															
	85.2	92.5	96.2	98.1	100.7	100.8	91.3	89.5	81.7	73.9	74.9	78.8	81.5	83.4	93.0	106.1
	83.3	84.8	84.8	84.3	83.7	82.2	81.1	78.9								
D	DIST FROM SOURCE: 753 METERS															
	80.7	88.4	92.1	94.7	95.8	93.0	83.7	75.5	73.2	68.9	67.9	72.0	75.0	76.4	84.6	100.7
	76.7	77.5	77.3	75.7	73.4	70.7										
E	DIST FROM SOURCE: 1255 METERS															
	76.9	84.8	88.7	89.9	89.9	84.8	77.1	68.1	63.2	61.1	61.1	65.0	67.7	69.3	75.3	95.4
	69.1	69.4	66.9	63.0	57.7	52.2										
F	DIST FROM SOURCE: 1757 METERS															
	74.3	82.0	85.6	85.1	80.6											
	64.0	62.6	57.0													
G	DIST FROM SOURCE: 2079 METERS															
	74.2	81.8	84.6	83.5	77.8	74.6										
	62.0	58.6														
H	DIST FROM SOURCE: 2273 METERS															
	73.0	81.0	83.4	82.7	76.6	74.5										
	58.5															
I	DIST FROM SOURCE: 2377 METERS															
	70.2	78.4	80.4	79.2	73.0											
	59.0															

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-464

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A HT AGL 1.5 M ( NUMBER 464 ) ARRAY 06 )  
 LOCATION 02 ( DATE 25 FEB 81 ) )  
 ( ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	0ASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	99.1	104.7	108.1	110.4	115.5	117.5	121.5	124.4	126.4	124.6	121.7	119.8	119.1	117.4	124.7	132.5
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 28 SEC															
	99.5	104.9	108.3	110.6	116.3	117.1	121.7	125.2	127.7	126.2	123.5	121.1	120.3	117.9	123.5	133.4
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	98.7	104.5	107.9	110.1	114.5	117.9	121.2	123.5	124.4	121.9	118.8	118.0	117.3	116.9	125.7	131.5
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	93.1	98.9	102.5	104.0	108.2	113.0	117.0	117.9	117.9	113.6	109.6	107.0	101.0	99.0	113.2	124.2
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	91.5	95.2	96.3	99.6	103.0	108.0	111.1	111.9	110.6	103.8	98.2	93.1	88.4	85.0	103.6	117.4
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	80.0	86.4	90.7	92.9	96.4	101.6	104.1	102.9	97.0	86.2	80.7	77.7	77.9	79.0	93.5	108.7
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	75.5	82.4	86.6	89.1	92.2	96.9	99.5	98.0	92.1	78.3	70.1	72.0	72.3	74.7	89.3	104.0
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	70.4	76.9	81.2	83.3	87.0	91.2	93.4	91.5	85.2	72.2	65.3	66.2	67.3	67.9	81.5	98.0
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	65.6	67.2	66.4	63.4	60.4	56.2	61.8	75.9	77.5	80.7	84.9	85.1	82.4	75.1	66.1	74.9
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	64.4	70.0	73.8	75.2	78.3	80.5	80.1	76.9	71.8	61.2	61.1	62.6	70.6	86.3		
H	DIST FROM SOURCE: 2573 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	63.7	67.9	72.8	73.6	76.6	79.3	77.8	74.9	69.0	62.0	59.2	59.9	61.7	68.6	84.6	
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	60.1	65.3	69.7	70.0	72.8	76.2	74.5	71.0	65.0	53.7	56.8	58.0	65.3	81.1		

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 465 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 25 FEB 81 ) ) TEST AA-106-465  
 ) ) ) DATE 05 FEB 87  
 ) ) ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS
98.7	104.5	107.9	110.0	115.8	117.5	121.4	124.4	126.3	124.2	121.5	119.8	119.1	117.3	124.4	124.4	132.4
114.5	112.1	112.0	113.2	112.2	110.5	108.9	108.2	105.7	104.4	103.9						
S	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS
99.0	104.6	108.0	110.2	116.6	117.0	121.6	125.1	127.6	125.8	123.1	120.9	120.2	117.4	123.2	123.2	133.1
112.7	105.3	101.0	97.2	97.7	98.5	98.1	100.3	99.4	98.5	98.0						
T	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS	75 METERS
98.4	104.3	107.7	109.9	114.9	118.0	121.3	123.5	124.4	121.7	118.9	118.2	117.6	117.1	125.4	125.4	131.4
115.7	114.6	114.8	116.1	115.1	113.3	111.7	110.9	108.2	106.8	106.3	101.2	100.3				
A	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS	134 METERS
93.1	98.5	102.3	103.8	108.6	113.1	116.9	118.6	117.8	113.2	109.4	107.4	102.0	99.7	112.3	112.3	124.1
99.2	99.1	98.6	98.6	99.2	98.9	97.5	96.5	93.4	91.8	88.0	84.8					
B	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS	238 METERS
86.8	93.2	96.9	98.6	102.9	107.9	111.1	111.8	110.5	103.4	97.7	92.8	89.2	89.8	104.2	104.2	117.2
90.6	92.2	92.6	92.0	91.7	91.5	89.7	87.7	84.3								
C	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS	423 METERS
79.8	86.3	90.5	92.4	96.4	101.3	103.6	102.0	95.5	84.5	77.8	77.0	78.0	80.4	94.0	94.0	108.1
81.4	83.0	83.7	83.9	83.7	82.8	83.2										
D	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS	753 METERS
75.2	82.2	86.2	88.2	91.7	95.9	97.9	96.3	90.9	76.7	68.4	70.3	71.5	73.9	86.7	86.7	102.7
74.7	76.1	76.0	74.8	73.1	70.8	66.3										
E	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS	1255 METERS
67.6	69.0	69.0	67.2	65.1	61.4											
F	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS	1757 METERS
64.1	65.5	64.7	62.3	58.7	53.1											
G	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS	2079 METERS
62.1	62.0	60.8	57.7	52.9												
H	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE:	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS	2273 METERS
61.0	60.8	59.7	56.1	51.5												
I	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE:	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS	2377 METERS
56.8	56.6	55.5	52.4	48.5												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-466

STATION 1: WRIGHT-PATTERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 MT AGL 1.5 M

EVENT: NUMBER 466  
 DATE 25 FEB 81  
 MICROPHONE: ARRAY 06

DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 75 METERS															
	98.8	104.6	108.2	110.0	116.2	117.7	121.4	124.6	126.6	124.9	121.8	120.0	119.2	117.6	124.8	132.7
S	75 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	99.2	104.8	108.4	110.1	117.1	117.3	121.6	125.3	127.9	126.6	123.6	121.3	120.5	117.9	123.6	133.5
	112.7	105.3	101.4	98.3	99.1	100.1	100.2	102.6	101.1	100.5	99.5	96.3	96.6			
T	75 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	98.3	104.4	108.1	109.8	115.2	118.0	121.2	123.7	124.5	122.2	118.8	118.0	117.3	117.2	125.7	131.6
	116.0	115.4	115.7	116.7	115.3	113.2	111.3	110.5	108.2	106.7	106.2	101.2	100.2			
A	134 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	93.2	98.6	102.7	104.0	109.2	113.4	117.2	119.3	118.4	114.2	109.8	106.8	100.7	100.5	115.1	124.8
	101.2	102.6	103.1	103.6	104.5	104.2	103.0	102.0	98.8	98.2	95.2	92.1	89.2			
B	238 METERS															
	OVERALL SAMPLE DURATION: 15 SEC															
	87.0	94.6	97.7	98.7	99.2	104.1	108.4	112.1	112.9	111.2	104.4	97.8	92.0	90.2	108.6	118.4
	94.3	97.7	98.7	98.5	98.7	98.3	96.4	95.0	92.4	90.2						
C	423 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	80.3	87.1	91.8	93.7	98.4	102.8	105.2	104.0	97.6	85.8	79.7	78.9	80.8	84.2	101.0	110.2
	87.4	90.7	92.1	92.5	92.4	91.5	90.1	87.5	84.0							
D	753 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	75.6	82.5	86.8	88.7	93.2	97.4	100.3	99.0	92.9	78.0	70.5	71.2	73.5	76.9	92.0	104.9
	79.2	81.2	81.8	83.1	83.4	81.3	76.8	73.1								
E	1255 METERS															
	OVERALL SAMPLE DURATION: 31 SEC															
	67.1	68.8	68.9	67.1	65.0	61.2										
F	1757 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	72.2	75.6	77.7	81.4	84.5	83.7	79.8	73.0	62.6	61.0	61.4	63.7	73.2	89.6		
	64.6	65.7	64.6	62.2	58.5	52.6										
G	2079 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	64.2	70.2	74.4	75.6	79.3	81.1	79.2	76.1	70.5	60.2	60.7	62.1	70.1	86.3		
	63.2	63.1	61.8	58.9	54.3	49.6										
H	2273 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	63.6	69.0	72.9	74.0	77.2	80.0	77.8	74.8	67.6	61.8	59.4	61.2	68.8	84.7		
	61.5	61.5	60.8	57.8	53.0	47.3										
I	2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	65.2	69.3	70.5	74.1	76.8	75.1	72.0	63.9	54.1	57.3	56.5	57.9	65.6	81.4		
	58.6	58.5	57.5	54.4	50.2											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST RA-106-467

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 467 )  
 SOUND SOURCE: C-135A ( DATE: 25 FEB 81 )  
 LOCATION 02 HT AGL 1.5 M ( )

MICROPHONE: )  
 ARRAY 06 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	AL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	98.2	104.0	107.9	110.0	115.6	117.2	121.5	124.7	124.7	121.5	119.9	119.2	117.5		124.7	132.5
	114.5	112.5	112.6	113.7	112.5	110.5	108.6	108.1	106.0	104.5	104.0	99.5	98.8			
OVERALL SAMPLE DURATION: 34 SEC																
S	DIST FROM SOURCE: 75 METERS															
	98.5	104.2	108.0	110.2	116.4	116.8	121.7	125.5	127.6	126.4	123.3	121.3	120.6	118.0	123.6	133.4
	112.8	105.3	101.3	98.0	99.3	100.5	100.4	102.7	101.4	100.8	99.9	97.0	96.8			
OVERALL SAMPLE DURATION: 34 SEC																
T	DIST FROM SOURCE: 75 METERS															
	97.8	103.8	107.7	109.9	114.6	117.6	121.3	123.8	124.2	122.0	118.5	117.8	117.2	116.9	125.5	131.4
	115.7	115.1	115.4	116.6	115.4	113.3	111.3	110.4	108.2	106.5	106.1	101.1	100.1			
OVERALL SAMPLE DURATION: 34 SEC																
A	DIST FROM SOURCE: 134 METERS															
	92.8	98.1	102.3	103.9	108.4	112.9	117.2	119.1	117.7	113.6	109.4	107.1	101.1	99.5	113.8	124.4
	99.4	100.2	100.6	101.2	102.4	102.5	101.5	100.8	97.7	96.8	93.3	90.2	87.1			
OVERALL SAMPLE DURATION: 34 SEC																
B	DIST FROM SOURCE: 238 METERS															
	86.0	92.6	96.6	98.5	102.6	107.6	111.3	112.3	110.5	103.8	97.7	92.7	89.1	89.4	103.9	117.4
	89.4	90.9	91.3	90.7	91.0	90.9	89.2	87.1	85.3	81.7						
OVERALL SAMPLE DURATION: 34 SEC																
C	DIST FROM SOURCE: 423 METERS															
	79.5	86.3	91.1	93.3	97.0	101.9	104.7	103.5	97.0	86.2	80.0	78.6	78.6	80.4	94.1	109.2
	81.8	83.0	83.3	82.6	82.2	81.3	80.1									
OVERALL SAMPLE DURATION: 34 SEC																
D	DIST FROM SOURCE: 753 METERS															
	74.0	80.7	85.5	88.0	91.8	96.6	99.6	98.2	91.3	76.2	69.6	70.4	71.6	74.3	88.1	103.9
	75.4	77.1	77.2	76.6	75.6	73.5	68.7	64.6								
OVERALL SAMPLE DURATION: 34 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	70.3	74.7	79.3	81.4	85.1	89.5	92.1	90.5	83.5	69.6	62.5	64.5	65.2	66.4	79.8	96.5
	66.9	68.4	68.4	66.8	64.5	61.2										
OVERALL SAMPLE DURATION: 34 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	69.3	72.7	74.6	77.7	81.4	82.8	78.9	70.9	62.6	60.7	60.9	62.7	71.7	87.4		
	63.4	64.1	62.7	60.1	56.4	51.0										
OVERALL SAMPLE DURATION: 35 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	67.8	70.5	71.3	75.7	77.3	77.3	74.3	68.9								
	61.8	61.7	60.7	57.6	53.2											
OVERALL SAMPLE DURATION: 35 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	68.1	70.4	70.4	73.1	75.3	74.3	71.6	66.9								
	60.4	59.9	58.8	55.3	50.5	46.1										
OVERALL SAMPLE DURATION: 34 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	63.7	66.4	66.5	68.3	71.9	70.9	68.5	63.5	57.4	56.2	57.2	63.5	77.3			
	57.4	56.9	55.4	52.3												
OVERALL SAMPLE DURATION: 28 SEC																

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-468

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 468 ) MICROPHONE:  
 SOUND SOURCE: C-135A ( DATE 25 FEB 81 ) ARRAY 06  
 LOCATION 02 HT AGL 1.5 M ( ) DATE 05 FEB 87  
 ( ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	98.2	104.9	108.3	110.3	115.8	117.7	121.5	124.5	126.3	125.0	121.8	120.4	120.0	118.3	125.5	132.8
	116.0	114.7	114.1	114.6	113.3	111.3	109.8	109.4	107.3	105.8	105.3	100.8				
S	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 75 METERS	98.6	105.0	108.4	110.5	116.6	117.3	121.7	125.2	127.6	126.6	123.5	121.6	121.2	118.8	124.0	133.5
	114.0	107.6	103.8	98.8	99.1	100.2	100.3	102.3	101.2	100.2	99.4	96.5				
T	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 75 METERS	97.7	104.7	108.1	110.2	114.8	118.1	121.3	123.6	124.4	122.4	119.1	118.7	118.2	117.6	126.7	131.5
	117.3	117.2	116.9	117.5	116.2	114.2	112.6	111.9	109.8	108.2	107.7	102.9	102.0			
A	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 134 METERS	93.0	99.0	102.8	104.3	108.6	113.4	117.1	118.8	117.8	114.0	109.7	107.7	102.2	100.6	114.1	124.5
	101.2	102.6	102.8	102.4	102.4	101.8	100.8	99.8	96.8	95.6	92.1	89.2	86.5			
B	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 238 METERS	86.4	93.7	97.3	99.0	103.1	108.6	111.5	112.2	110.8	104.4	98.1	93.4	90.2	90.9	105.9	117.7
	92.1	94.4	94.8	94.5	94.6	94.5	92.9	91.1	88.0	85.8	83.1					
C	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 423 METERS	79.8	87.2	91.6	93.4	97.1	102.3	104.6	102.9	96.1	86.3	79.9	78.1	79.6	82.2	94.8	109.1
	83.0	84.1	84.4	84.5	84.2	83.0	81.8									
D	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 753 METERS	74.0	81.9	86.5	88.4	91.6	96.4	99.0	97.4	91.4	77.6	69.4	69.4	70.8	73.3	87.4	103.5
	75.0	76.3	76.8	75.4	74.0	71.8	66.6									
E	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 1255 METERS	75.9	80.4	82.6	86.3	90.6	92.4	90.1	83.4	70.8	63.5	65.5	66.2	68.2	80.4	97.0	
	69.4	70.3	69.8	68.1	65.5	62.0										
F	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 1757 METERS	71.8	75.7	77.0	80.5	84.8	85.1	80.5	73.9	64.8	62.9	63.2	65.1	74.5	90.0		
	66.0	67.1	66.5	63.8	59.8	53.5										
G	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 2079 METERS	65.2	70.7	73.6	74.9	78.8	81.0	80.1	77.0	70.0	64.4	61.4	62.1	63.3	71.2	86.4	
	64.7	64.1	62.9	59.5	55.1	50.4										
H	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 2273 METERS	70.0	72.5	73.3	76.8	79.6	78.4	75.8	70.2	63.4	58.9	59.7	59.9	61.4	69.3	84.9	
	61.9	62.1	61.0	57.6	52.9	47.1										
I	OVERALL SAMPLE DURATION: 34 SEC															
DIST FROM SOURCE: 2377 METERS	66.9	69.3	70.1	73.6	76.7	75.4	72.7	66.8	55.1	50.0	57.7	59.0	66.5	81.8		
	59.7	59.6	57.9	54.9	52.2											



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		EVENT:		NUMBER 469		MICROPHONE:		IDENTIFICATION:										
SOUND SOURCE: C-135A		LOCATION 01 HT AGL 1.5 M		DATE 25 FEB 81		ARRAY 05		OMEGA 12.2										
								TEST AA-105-469										
								DATE 05 FEB 87										
								PAGE F1										
U	MICROPHONE LOCATION	25	31.5	40	50	60	80	100	120	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
	DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
		99.2	104.3	107.8	109.7	112.7	115.8	118.4	120.5	121.9	122.0	120.9	118.4	119.7	119.5		125.0	130.6
		117.3	115.7	114.9	113.4	111.0	109.1	108.3	108.5	108.7	105.5	105.6	101.3	101.2				
S	DIST FROM SOURCE:	66 METERS																
		98.4	104.0	107.7	109.6	112.6	114.7	117.6	120.4	122.6	122.9	120.6	117.8	118.5	118.5	122.5	130.0	
		115.8	109.9	105.5	99.6	102.4	103.9	104.8	106.0	106.4	104.3	105.0	100.0	99.2				
T	DIST FROM SOURCE:	66 METERS																
		99.9	104.6	108.0	109.8	112.7	116.6	119.0	120.6	121.2	120.7	121.1	118.9	120.7	120.5	126.5	131.0	
		118.4	118.1	117.7	116.3	113.7	111.5	110.2	110.1	110.2	106.4	105.2	102.3	102.5				
A	DIST FROM SOURCE:	134 METERS																
		89.7	96.1	99.9	101.1	103.6	108.4	109.9	111.4	112.0	109.5	107.3	103.5	100.8	98.4	109.6	118.7	
		98.0	97.9	97.8	97.8	97.6	98.0	96.6	95.3	94.0	90.4	86.6						
B	DIST FROM SOURCE:	238 METERS																
		87.0	92.7	97.0	97.8	99.9	104.4	105.6	106.6	105.8	101.8	98.9	94.2	91.2	90.2	101.3	113.1	
		90.0	90.6	90.8	89.8	88.3	87.2	84.3	82.0									
C	DIST FROM SOURCE:	431 METERS																
		81.2	86.4	90.5	91.6	93.9	96.5	97.6	98.0	95.1	89.3	85.4	80.3	78.9	78.5	90.4	104.4	
		80.2	80.4	80.2	78.1	77.3	75.4	71.7	68.3									
D	DIST FROM SOURCE:	753 METERS																
		74.3	79.5	83.8	84.8	86.9	90.1	91.3	91.9	88.0	78.0	68.2	67.4	68.7	70.2	81.9	97.7	
		70.4	71.8	70.8	69.1	67.3	63.5											
E	DIST FROM SOURCE:	1255 METERS																
		72.6	76.8	77.4	79.0	81.1	82.0	81.2										
		64.6	64.9	63.0	60.7	58.0												
F	DIST FROM SOURCE:	1757 METERS																
		66.1	68.4	70.5	71.2	73.4	74.0	73.6	73.5	70.6	67.4	65.7	65.2	64.3	63.9	70.5	81.8	
		63.4	63.7	61.5	57.7	53.4	49.0											
G	DIST FROM SOURCE:	2087 METERS																
		65.4	66.2	68.6	68.0	69.9	71.4	71.0	70.5	67.1	61.5	58.5	59.7	61.5	62.2	67.9	79.0	
		61.8	61.5	59.6	56.1	51.4	49.9											
I	DIST FROM SOURCE:	2377 METERS																
		63.7	66.7	70.1	68.7	70.6	72.8	72.8	72.7	71.3	68.8	66.0	63.6	62.2	62.8	69.3	81.0	
		62.3	61.9	59.1	55.8	52.2	49.1											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-470  
 )  
 ) DATE 05 FEB 67  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 470 ) ARRAY 05  
 LOCATION 01 HT AGL 1.5 M ( DATE 25 FEB 61 ) )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.9	104.5	107.6	109.6	113.2	116.1	119.1	121.2	122.7	122.4	120.5	118.5	120.3	119.4	124.9	130.8
	117.1	115.5	114.7	113.3	111.2	109.2	108.0	108.0	107.8	104.8	104.8	100.3	100.2			
S	DIST FROM SOURCE: 66 METERS															
	99.2	104.2	107.5	109.6	113.1	115.0	118.3	121.1	123.3	123.3	120.3	117.9	118.9	118.1	122.4	130.3
	115.2	109.4	105.1	99.9	102.7	104.0	104.6	105.5	106.0	103.4	103.7	98.9	98.0			
T	DIST FROM SOURCE: 66 METERS															
	100.4	104.8	107.7	109.7	113.3	116.9	119.7	121.3	121.9	121.1	120.7	119.0	121.3	120.5	126.5	131.3
	118.4	118.0	117.5	116.2	113.9	111.5	109.8	109.6	109.1	105.8	105.6	101.3	101.6			
A	DIST FROM SOURCE: 134 METERS															
	91.2	96.7	100.3	101.6	104.6	109.3	110.9	112.2	112.8	109.8	106.3	102.5	99.6	98.2	110.5	119.4
	98.8	99.6	99.7	99.7	99.0	98.9	97.4	96.4	94.2	93.3	90.2	87.7				
B	DIST FROM SOURCE: 238 METERS															
	88.9	93.7	97.6	98.9	101.5	105.6	106.9	108.1	107.2	102.7	98.1	92.7	91.4	92.4	103.6	114.4
	92.6	93.4	93.7	93.4	92.7	91.7	88.5	86.5	84.5	81.2						
C	DIST FROM SOURCE: 431 METERS															
	82.9	88.1	92.2	93.7	96.8	99.5	100.5	100.5	97.5	90.8	86.8	82.2	83.3	84.2	94.2	107.0
	85.3	85.1	84.6	83.6	82.1	80.4	77.2	72.9	67.8							
D	DIST FROM SOURCE: 753 METERS															
	76.4	80.7	85.1	86.8	89.8	93.0	95.2	95.5	92.2	82.0	72.6	70.9	71.7	73.2	85.3	101.0
	73.1	74.4	73.4	71.7	69.6	66.0										
E	DIST FROM SOURCE: 1255 METERS															
	72.5	76.7	81.1	82.4	85.4	87.5	89.1	87.5	82.9	74.3	68.8	69.1	70.3	69.6	78.9	94.7
	68.9	69.6	68.7	66.1	63.3	58.1										
F	DIST FROM SOURCE: 1757 METERS															
	67.8	71.5	74.6	75.1	76.4	78.6	79.4	77.2	72.8	67.0	64.0	64.1	64.8	64.8	71.6	85.8
	64.3	64.4	62.5	59.1	53.4	47.3										
G	DIST FROM SOURCE: 2087 METERS															
	68.9	72.9	73.4	74.1	75.2	76.0	73.7	67.6	60.1	57.4	59.9	62.3	63.8	63.8	69.5	82.8
	63.2	63.4	61.0	57.0	50.5											
I	DIST FROM SOURCE: 2377 METERS															
	68.2	71.7	72.3	73.9	75.2	74.4	71.8	65.9	60.7	58.6	60.6	62.1	62.8	62.8	67.6	81.8
	61.5	60.5	57.3	52.9	46.2											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 471 ) ) OMEGA 12.2 )  
 LOCATION D1 HT AGL 1.5 M ( DATE 25 FEB 81 ) ) ARRAY 05 ) TEST AA-105-471 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE:	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
		99.2	104.5	107.8	110.0	113.5	116.6	119.5	123.4	123.1	123.1	121.2	119.1	121.0	120.3	125.9	131.5
		118.0	116.9	116.3	114.6	112.1	110.0	109.1	109.0	108.6	106.0	106.0	101.6	101.4			
S	DIST FROM SOURCE: 66 METERS																
		98.4	104.2	107.7	110.0	113.5	115.6	118.9	121.3	123.8	124.0	120.9	118.5	119.7	119.2	123.2	130.9
		116.2	110.7	106.3	100.1	102.1	103.3	104.0	105.4	106.0	104.2	105.0	100.3	99.6			
T	DIST FROM SOURCE: 66 METERS																
		99.9	104.9	107.9	110.1	113.5	117.5	120.1	121.4	122.3	121.8	121.4	119.7	122.1	121.2	127.6	132.0
		119.3	119.4	119.1	117.5	114.9	112.6	111.4	111.0	110.5	107.2	106.9	102.6	102.8			
A	DIST FROM SOURCE: 134 METERS																
		90.0	96.5	100.2	101.8	104.5	109.3	110.7	111.4	112.2	109.4	105.9	101.8	97.5	95.8	109.7	118.8
		96.2	97.3	97.9	98.6	98.6	99.4	97.8	96.6	94.5	91.9	88.8	88.3				
B	DIST FROM SOURCE: 238 METERS																
		87.8	93.6	97.8	99.2	101.8	106.5	107.6	107.7	106.4	101.6	96.3	90.0	88.1	89.6	101.5	114.3
		90.9	91.0	91.0	90.5	89.6	88.3	85.3	83.0								
C	DIST FROM SOURCE: 431 METERS																
		81.8	87.7	91.8	93.1	96.3	99.5	100.1	99.6	96.7	89.8	85.6	81.1	81.0	81.5	92.8	106.5
		82.8	83.1	83.0	81.8	80.9	79.2	76.0	71.5								
D	DIST FROM SOURCE: 753 METERS																
		75.3	80.6	85.4	87.2	89.7	94.1	95.5	95.5	90.9	81.4	72.3	70.5	71.6	72.8	85.0	101.2
		72.8	73.8	73.0	71.0	68.9	65.2										
E	DIST FROM SOURCE: 1255 METERS																
		68.2	76.6	80.3	80.8	82.7	86.2	86.5	84.4	78.4	70.6	67.1	68.3	69.3	68.7	76.7	92.3
		68.2	68.2	66.7	64.0	60.3	54.9										
F	DIST FROM SOURCE: 1757 METERS																
		68.6	73.2	76.7	77.5	78.0	80.9	81.7	78.6	74.2	68.8	66.1	65.3	65.5	65.4	73.3	87.8
		65.7	66.4	64.7	60.7	55.2	47.8										
G	DIST FROM SOURCE: 2087 METERS																
		64.0	69.4	72.6	73.4	75.6	78.2	78.9	76.4	70.5	60.4	56.6	58.6	61.1	62.3	69.3	84.7
		62.1	61.9	60.2	55.9	49.7											
I	DIST FROM SOURCE: 2377 METERS																
		58.5	57.8	54.6	49.5	43.1	77.0	76.6	74.2	66.7	58.8	56.7	58.0	59.1	59.4	66.1	82.7

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2  
 TEST AA-105-472  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 472 ) MICROPHONE: ARRAY OS  
 SOUND SOURCE: C-135A ( LOCATION D1 MT AGL 1.5 M ( DATE 25 FEB 81 ) )  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	290	315	400	500	AL (DBA)	OMSPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	90.9	103.9	107.8	109.8	113.5	116.2	118.9	121.1	122.6	122.2	120.5	118.3	120.3	119.6	137.0	115.5
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	98.2	103.6	107.7	109.7	113.5	115.1	118.3	121.1	123.2	123.2	120.4	117.6	119.0	119.6	115.4	110.0
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	OVERALL SAMPLE DURATION: 33 SEC															
	99.5	104.2	107.9	109.9	113.5	117.0	119.5	121.1	121.8	120.9	120.6	118.9	121.3	120.4	118.1	117.5
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	90.0	96.1	100.3	101.8	104.9	109.3	110.7	112.0	112.4	109.5	105.6	103.2	101.1	100.0	100.1	100.8
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	OVERALL SAMPLE DURATION: 35 SEC															
	88.0	93.4	98.1	99.2	101.9	105.9	107.0	107.8	106.9	102.6	98.1	92.4	90.6	91.4	92.0	92.8
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	82.4	87.8	92.7	94.2	97.4	100.1	100.6	100.5	97.0	90.1	85.4	82.1	82.9	84.4	85.8	85.8
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	76.0	80.8	86.1	88.0	90.9	94.5	96.3	96.2	91.7	80.7	72.1	71.6	73.3	75.7	77.2	79.5
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	OVERALL SAMPLE DURATION: 32 SEC															
	71.2	76.3	81.2	82.1	83.6	85.9	86.9	85.0	79.1	69.8	64.9	65.8	68.1	68.4	69.7	68.8
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	66.8	71.5	76.2	76.4	78.4	80.4	80.2	77.4	73.7	68.2	63.5	62.8	63.1	63.6	64.1	64.5
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	63.1	67.6	72.7	73.4	75.8	77.7	77.4	73.3	67.6	60.0	55.8	58.0	60.8	62.0	61.1	60.9
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	OVERALL SAMPLE DURATION: 34 SEC															
	59.9	59.0	56.2	51.3	44.5	76.4	75.8	72.5	75.0	76.4	75.8	72.5	59.6	58.1	59.2	60.5

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( MT AGL 1.5 M ( NUMBER 473 ) OMEGA 12.2  
 LOCATION 01 ( DATE 25 FEB 81 ) TEST AA-105-473  
 ) MICROPHONE: )  
 ) ARRAY 05 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
98.8	104.4	107.4	109.7	113.3	116.4	119.4	121.7	123.6	123.0	120.8	119.2	121.4	120.5	126.1	126.1	131.6
118.4	117.1	116.2	114.6	112.0	110.1	109.3	109.4	108.7	106.2	106.2	101.9	101.7				
S	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE: 66 METERS	98.5	104.2	107.4	109.7	113.3	115.4	118.7	121.8	124.4	124.1	120.8	118.5	120.1	119.3	123.3	131.1
116.5	110.9	106.6	100.3	102.5	103.8	104.5	105.6	106.1	104.3	104.7	100.4	99.5				
T	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE: 66 METERS	99.1	104.6	107.5	109.8	113.3	117.2	119.9	121.6	122.7	121.5	120.8	119.8	122.4	121.5	127.7	132.1
119.6	119.5	119.0	117.6	114.8	112.6	111.5	111.3	110.3	107.6	107.3	103.0	103.2				
A	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 134 METERS	90.0	96.6	100.0	102.0	105.0	109.6	111.1	112.5	113.5	110.3	107.2	103.6	100.6	98.4	110.0	119.7
98.2	98.7	98.2	97.5	97.1	97.7	96.7	96.1	93.6	92.0	88.3	87.9					
B	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 238 METERS	87.0	93.0	96.7	98.3	101.3	105.8	107.0	107.8	107.0	102.0	98.2	93.2	90.0	89.5	101.5	114.1
89.5	90.1	90.4	89.8	88.9	87.8	85.2	83.5									
C	OVERALL SAMPLE DURATION: 35 SEC															
DIST FROM SOURCE: 431 METERS	80.5	86.1	89.8	91.0	93.9	97.3	98.7	99.0	96.1	88.3	81.9	79.3	79.2	79.1	90.3	105.0
79.8	79.9	79.1	77.6	76.4	74.6	71.1	66.8									
D	OVERALL SAMPLE DURATION: 26 SEC															
DIST FROM SOURCE: 753 METERS	73.7	78.7	83.1	84.4	85.8	90.3	92.4	91.6	87.4	78.0	69.7	69.4	69.9	70.9	81.9	97.7
70.7	71.7	70.6	68.7	66.6	62.6											
E	OVERALL SAMPLE DURATION: 33 SEC															
DIST FROM SOURCE: 1255 METERS	70.1	74.6	78.5	79.1	80.1	82.6	85.0	82.9	77.9	70.2	64.6	66.3	66.8	67.0	75.1	90.4
66.6	66.6	65.1	62.6	59.1	53.6											
F	OVERALL SAMPLE DURATION: 36 SEC															
DIST FROM SOURCE: 1757 METERS	66.8	70.5	74.1	75.0	75.7	77.0	79.3	77.9	74.4	67.3	63.3	62.5	63.3	63.1	70.7	85.4
62.6	62.9	60.7	57.1	51.8	46.5											
G	OVERALL SAMPLE DURATION: 13 SEC															
DIST FROM SOURCE: 2087 METERS	64.5	66.7	69.7	70.7	71.9	74.4	73.0	68.9	57.0	58.9	59.1	66.0	80.1			
57.9	59.0	56.8	53.0													
I	OVERALL SAMPLE DURATION: 17 SEC															
DIST FROM SOURCE: 2377 METERS	69.0	72.8	72.4	73.8	76.2	73.9	70.6	65.9	60.9	58.1	58.4	58.8	59.5	65.4	82.0	82.0
58.6	57.5	54.9	50.1	44.2												

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 474 ) ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 25 FEB 81 ) ) TEST AA-106-474  
 ( ) ) ) )  
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 ( ) ) ) )

MICROPHONE LOCATION	1/3 OASPL (DB) FOR GIVEN FREQ BAND (HZ)										AL (DBA)	OASPL (DB)				
U	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	123.7	131.5
	DIST FROM SOURCE: 75 METERS															
	98.5 104.3 107.9 110.3 114.7 117.2 120.4 123.1 125.2 123.7 120.5 118.5 119.1 117.5															
	115.5 113.2 111.4 111.5 110.4 108.8 107.7 107.5															
S	DIST FROM SOURCE: 75 METERS														122.1	132.1
	99.0 104.7 108.2 110.7 115.6 117.0 120.4 123.7 126.5 125.1 121.7 118.6 119.3 116.7															
	112.9 107.8 103.4 97.8 93.5 93.0 92.8 93.6															
T	DIST FROM SOURCE: 75 METERS														125.1	130.9
	98.0 103.8 107.5 109.9 113.5 117.3 120.4 123.3 121.6 118.7 118.4 118.9 118.1															
	117.1 115.5 114.1 114.4 113.4 111.7 110.6 110.4 108.4 106.8 106.5 101.5 100.8															
A	DIST FROM SOURCE: 134 METERS														112.4	124.1
	93.5 98.8 103.1 104.8 108.1 113.5 116.8 118.0 117.4 113.8 110.1 109.3 107.1 103.6															
	102.1 100.9 99.0 96.8 95.2 93.3 90.6 88.6 85.0 82.8															
B	DIST FROM SOURCE: 238 METERS														106.2	118.9
	87.3 93.6 97.8 100.1 103.8 109.2 112.3 113.1 112.5 107.0 102.4 100.1 97.8 94.8															
	94.6 95.2 94.6 92.7 91.2 89.6 86.4 83.8 81.1															
C	DIST FROM SOURCE: 423 METERS														92.7	107.8
	79.9 85.8 90.5 92.3 95.3 100.5 102.6 101.8 97.9 89.8 85.6 83.9 81.5 81.0															
	81.1 81.9 81.3 79.7 78.5 77.3															
D	DIST FROM SOURCE: 753 METERS														88.0	103.2
	75.0 81.1 85.7 88.0 90.4 95.6 97.8 97.5 93.9 84.5 76.9 76.5 75.5 75.7															
	75.9 77.2 76.9 75.1 73.7 71.4 65.9															
E	DIST FROM SOURCE: 1255 METERS														80.8	97.4
	69.2 76.3 80.7 82.5 85.3 90.6 92.2 91.4 87.3 76.8 66.8 66.1 66.4 67.6															
	68.0 68.7 68.0 66.2 63.2 58.5															
F	DIST FROM SOURCE: 1757 METERS														73.5	90.3
	65.0 71.8 75.7 76.7 78.9 84.2 85.4 83.1 75.8 65.7 64.1 63.5 64.0															
	63.7 64.5 62.0 58.4 53.5															
G	DIST FROM SOURCE: 2079 METERS														72.3	87.5
	63.3 70.5 75.2 77.3 79.2 81.4 80.6 78.8 74.5 65.5 64.5 64.6 64.4 64.6															
	65.8 64.9 62.6 58.4 52.3 44.8															
H	DIST FROM SOURCE: 2273 METERS														69.1	85.3
	62.4 67.7 72.9 74.8 76.2 80.2 79.1 75.0 70.8 63.4 61.5 61.6 62.4 62.2															
	62.0 60.8 58.4 53.8 47.4 41.0															
I	DIST FROM SOURCE: 2377 METERS														67.9	83.6
	59.1 65.5 70.4 72.5 74.2 78.2 77.9 74.0 69.0 61.9 59.6 61.0 61.2 61.4															
	61.0 60.0 57.2 52.9 46.3															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-475

STATION 1: WRIGHT-PATERSON AFB  
 SOUND SOURCE: C-135A  
 LOCATION 02 HT AGL 1.5 M ( EVENT: NUMBER 475 DATE 25 FEB 81 )  
 ) MICROPHONE: ARRAY 06 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL	QASPL (DB)
----- 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) -----																
MICROPHONE LOCATION U																
DIST FROM SOURCE: 75 METERS 98.4 104.3 107.7 110.0 114.9 117.2 120.5 123.4 125.4 123.8 120.6 118.5 119.1 117.3 123.6 131.6																
DIST FROM SOURCE: 75 METERS 98.9 104.7 108.1 110.3 115.8 117.0 120.5 124.1 126.8 125.3 122.1 119.2 119.9 117.5 122.6 132.4																
DIST FROM SOURCE: 75 METERS 97.8 103.9 107.3 109.6 113.6 117.3 120.4 122.6 123.4 121.4 118.3 117.7 118.2 117.1 124.7 130.7																
DIST FROM SOURCE: 134 METERS 99.8 99.3 103.1 104.5 108.3 113.4 116.6 118.4 117.7 114.0 110.1 109.7 105.7 102.0 112.4 124.1																
DIST FROM SOURCE: 238 METERS 87.2 93.5 97.3 99.1 103.0 108.1 110.9 111.8 111.0 105.4 101.0 98.3 95.9 91.5 103.6 117.5																
DIST FROM SOURCE: 423 METERS 80.4 86.7 91.1 92.6 96.0 100.5 101.9 101.4 97.8 90.0 84.5 81.6 79.2 79.5 92.1 107.5																
DIST FROM SOURCE: 753 METERS 76.2 82.0 86.1 87.6 90.3 95.3 96.9 96.2 92.2 82.0 75.8 73.9 73.0 73.9 86.6 102.3																
DIST FROM SOURCE: 1255 METERS 71.6 77.8 82.1 83.0 84.8 89.3 90.1 89.4 85.4 75.7 68.3 68.8 70.2 69.4 80.3 96.0																
DIST FROM SOURCE: 1757 METERS 68.3 73.4 76.8 77.3 78.9 81.4 81.9 79.9 75.5 66.4 65.0 65.1 64.8 64.4 72.5 88.2																
DIST FROM SOURCE: 2079 METERS 67.5 74.1 77.4 77.6 78.1 80.8 78.0 77.5 74.5 68.2 64.5 65.6 65.1 65.1 72.2 87.0																
DIST FROM SOURCE: 2273 METERS 66.0 73.0 76.5 76.1 77.0 80.0 77.5 76.2 72.8 65.7 63.1 62.7 62.9 62.9 69.8 85.9																
DIST FROM SOURCE: 2377 METERS 63.3 70.6 73.9 73.1 74.0 77.0 75.4 73.2 69.8 63.5 61.4 62.1 61.2 60.9 67.3 83.2																

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB (EVENT: NUMBER 476)  
 SOUND SOURCE: C-135A (DATE: 25 FEB 81)  
 LOCATION 02 HT AGL 1.5 M ( )  
 IDENTIFICATION:  
 OMEGA 12.2  
 TEST AA-106-476  
 DATE 05 FEB 87  
 PAGE F1

MICROPHONE LOCATION	25	31.5	40	90	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)		
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																	
DIST FROM SOURCE: 75 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
	98.3	104.5	107.7	110.3	114.8	117.2	120.5	122.2	123.4	121.9	118.0	118.2	119.1	118.2	125.2	131.0		
	115.1	112.5	111.4	111.9	110.7	109.0	107.8	107.7	OVERALL SAMPLE DURATION: 34 SEC								123.7	131.5
S	DIST FROM SOURCE: 75 METERS																	
	98.8	104.9	108.0	110.7	115.8	117.1	120.6	123.5	126.4	125.4	122.0	118.7	119.0	116.8	122.1	132.1		
	112.5	107.3	103.7	98.4	94.3	93.7	93.2	93.9	OVERALL SAMPLE DURATION: 34 SEC								122.1	132.1
T	DIST FROM SOURCE: 75 METERS																	
	97.7	104.1	107.3	109.8	113.6	117.3	120.5	122.2	123.4	121.9	118.0	118.2	119.1	118.2	125.2	131.0		
	116.7	114.8	114.0	114.8	113.7	112.0	110.7	110.6	108.5	106.7	106.3	101.4	100.5					
A	DIST FROM SOURCE: 134 METERS																	
	93.2	99.1	102.6	104.4	108.1	113.0	116.4	117.5	117.0	113.8	109.9	109.1	107.2	103.2	111.6	123.7		
	100.7	98.7	96.0	93.1	90.7	88.8	86.4	84.8	80.9	79.3	OVERALL SAMPLE DURATION: 35 SEC						111.6	123.7
B	DIST FROM SOURCE: 238 METERS																	
	87.0	93.6	97.0	99.0	102.6	107.3	110.4	110.7	110.0	104.8	100.6	98.8	96.7	91.4	102.7	116.7		
	87.0	85.4	84.5	83.6	82.6	81.2	78.0	75.8	OVERALL SAMPLE DURATION: 34 SEC								102.7	116.7
C	DIST FROM SOURCE: 423 METERS																	
	80.2	86.7	90.4	91.7	94.5	98.9	100.6	99.4	95.9	89.2	84.6	81.8	78.6	76.7	89.9	106.0		
	77.0	76.7	75.7	75.3	74.0	72.1	OVERALL SAMPLE DURATION: 33 SEC									89.9	106.0	
D	DIST FROM SOURCE: 753 METERS																	
	76.5	83.2	86.9	88.7	91.2	95.6	97.4	96.0	92.1	83.8	77.5	75.8	74.5	74.9	86.7	102.6		
	75.2	75.6	75.3	73.8	71.2	68.5	63.1	OVERALL SAMPLE DURATION: 33 SEC									86.7	102.6
E	DIST FROM SOURCE: 1255 METERS																	
	70.9	77.8	82.2	83.4	85.0	90.0	91.1	88.7	84.8	74.8	67.0	68.5	68.9	68.8	79.7	96.3		
	68.7	69.6	68.3	66.0	63.0	58.7	OVERALL SAMPLE DURATION: 34 SEC									79.7	96.3	
F	DIST FROM SOURCE: 1757 METERS																	
	67.1	73.9	78.5	80.2	82.8	86.2	87.5	84.5	76.0	69.1	65.3	65.9	65.5	66.6	76.1	92.4		
	66.9	68.2	66.6	63.0	58.9	51.8	OVERALL SAMPLE DURATION: 34 SEC									76.1	92.4	
G	DIST FROM SOURCE: 2079 METERS																	
	66.4	73.4	77.3	79.0	82.0	85.4	84.5	82.4	77.6	68.3	65.6	66.0	66.1	67.3	75.3	90.9		
	68.0	67.4	65.7	62.2	56.0	48.0	OVERALL SAMPLE DURATION: 35 SEC									75.3	90.9	
H	DIST FROM SOURCE: 2273 METERS																	
	65.5	72.0	76.3	77.4	79.6	83.9	84.4	80.8	76.7	67.6	64.0	64.6	64.5	65.1	73.0	89.6		
	64.8	63.4	61.3	56.8	50.2	42.3	OVERALL SAMPLE DURATION: 34 SEC									73.0	89.6	
I	DIST FROM SOURCE: 2377 METERS																	
	63.4	70.4	74.4	75.5	77.7	81.8	83.2	79.7	75.6	65.8	63.2	63.9	64.3	64.0	71.9	88.1		
	63.3	62.9	60.4	56.2	49.5	OVERALL SAMPLE DURATION: 34 SEC										71.9	88.1	



TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB		( EVENT: )		MICROPHONE: )		IDENTIFICATION: )	
SOUND SOURCE: C-135A		NUMBER 477		ARRAY 06		OMEGA 12.2	
LOCATION 02	HT AGL 1.5 M	DATE 25 FEB 81				DATE 05 FEB 87	
						PAGE F1	
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)							
MICROPHONE LOCATION	25 31.5	40 50	63 80	100 125	160 200	250 315	400 500
	630 800	1K 1250	1600 2K	2500 3150	4K 5K	6300 8K	10K
DIST FROM SOURCE:	75 METERS						
	98.4	104.0	107.8	110.1	114.7	117.0	119.8
	114.8	112.5	110.6	110.1	108.9	107.0	105.5
	OVERALL SAMPLE DURATION: 35 SEC						
S	DIST FROM SOURCE: 75 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	98.9	104.3	108.1	110.4	115.6	116.8	119.8
	111.4	106.3	102.1	96.4	92.2	91.9	93.7
	OVERALL SAMPLE DURATION: 35 SEC						
T	DIST FROM SOURCE: 75 METERS		OVERALL SAMPLE DURATION: 34 SEC				
	97.9	103.6	107.4	109.7	113.6	117.2	119.8
	116.6	115.0	113.3	113.0	111.8	110.0	108.5
	OVERALL SAMPLE DURATION: 35 SEC						
A	DIST FROM SOURCE: 134 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	93.5	98.8	103.0	104.6	108.1	113.1	115.7
	98.7	97.2	94.8	92.3	91.0	89.6	87.6
	OVERALL SAMPLE DURATION: 35 SEC						
B	DIST FROM SOURCE: 238 METERS		OVERALL SAMPLE DURATION: 33 SEC				
	87.5	93.3	97.6	99.5	103.3	108.2	110.7
	88.7	87.1	86.1	85.1	84.2	82.9	79.7
	OVERALL SAMPLE DURATION: 36 SEC						
C	DIST FROM SOURCE: 423 METERS		OVERALL SAMPLE DURATION: 36 SEC				
	80.9	86.4	91.3	92.9	95.8	100.1	101.2
	80.1	81.2	80.3	79.2	78.0	76.2	
	OVERALL SAMPLE DURATION: 35 SEC						
D	DIST FROM SOURCE: 753 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	75.6	81.6	86.5	88.2	90.5	94.6	96.0
	74.3	75.6	75.2	73.4	72.0	69.1	63.1
	OVERALL SAMPLE DURATION: 35 SEC						
E	DIST FROM SOURCE: 1255 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	71.0	75.2	80.0	81.5	83.8	86.5	86.8
	67.7	68.1	67.4	64.9	61.1	56.7	
	OVERALL SAMPLE DURATION: 35 SEC						
F	DIST FROM SOURCE: 1757 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	66.0	70.5	75.8	76.9	79.3	81.9	80.4
	65.0	65.9	63.3	59.5	54.6		
	OVERALL SAMPLE DURATION: 35 SEC						
G	DIST FROM SOURCE: 2079 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	66.0	71.1	75.3	76.0	78.3	78.9	77.7
	66.9	65.6	63.3	58.8	52.6	44.7	
	OVERALL SAMPLE DURATION: 35 SEC						
H	DIST FROM SOURCE: 2273 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	65.3	71.0	75.1	75.7	77.8	79.5	76.1
	66.6	65.9	63.8	59.4	52.3	43.4	
	OVERALL SAMPLE DURATION: 35 SEC						
I	DIST FROM SOURCE: 2377 METERS		OVERALL SAMPLE DURATION: 35 SEC				
	63.0	69.5	73.4	73.7	76.0	77.8	74.6
	63.8	62.9	60.4	56.6	49.3		
	OVERALL SAMPLE DURATION: 35 SEC						

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 478 ) ARRAY 06 )  
 LOCATION 02 MT AGL 1.5 M ( DATE 25 FEB 81 ) )  
 ) ) )  
 ) ) )  
 ) ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-106-478 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OSPL (DB)
U	DIST FROM SOURCE: 75 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 35 SEC															
	98.6	104.2	107.9	110.1	114.9	117.1	119.8	122.6	124.5	123.5	120.4	118.4	119.2	117.7	123.4	131.2
	115.4	113.2	111.4	111.1	110.0	108.2	106.8									
S	DIST FROM SOURCE: 75 METERS															
	99.1	104.6	108.3	110.4	115.8	117.0	119.8	123.2	125.8	124.8	121.6	118.3	118.9	116.6	121.8	131.6
	112.4	107.5	103.4	97.8	93.7	93.0	94.0									
T	DIST FROM SOURCE: 75 METERS															
	98.0	103.8	107.5	109.7	113.7	117.3	119.8	122.8	122.8	121.5	118.9	118.5	119.5	118.6	125.0	130.8
	117.2	115.5	114.0	114.0	113.0	111.2	109.7	109.7	107.5	105.9	105.5	100.5	99.7			
A	DIST FROM SOURCE: 134 METERS															
	93.5	98.9	103.2	104.4	108.2	113.3	116.0	117.6	116.8	113.4	109.7	108.8	106.8	102.9	111.7	123.6
	101.1	99.8	97.8	95.1	93.2	91.3	89.1	87.7	83.6	81.9						
B	DIST FROM SOURCE: 238 METERS															
	87.3	93.3	97.5	99.0	102.9	107.9	110.0	111.0	110.1	105.0	100.8	99.1	97.4	93.5	103.7	116.9
	91.5	91.3	90.0	87.6	86.1	84.5	81.7	80.3								
C	DIST FROM SOURCE: 423 METERS															
	80.2	86.0	90.5	91.9	95.0	98.9	99.3	98.6	94.6	87.7	82.7	80.9	79.7	79.8	90.9	105.4
	79.6	80.9	80.9	80.0	79.3	77.5										
D	DIST FROM SOURCE: 753 METERS															
	74.6	80.2	85.0	85.7	88.8	92.9	93.1	91.6	86.0	76.2	74.4	74.5	72.9	72.9	83.2	98.8
	72.9	73.8	72.9	71.6	69.4	66.2										
E	DIST FROM SOURCE: 1255 METERS															
	68.6	68.6	67.6	64.9	61.6	56.6	67.1	66.0	61.5	52.7	47.8	45.6	44.9	43.1	57.8	71.1
	75.8	80.1	79.9	79.9	82.6	87.0	87.1	86.0	81.5	72.7	67.8	65.6	65.9	69.1	77.8	93.1
F	DIST FROM SOURCE: 1757 METERS															
	65.6	70.3	75.3	75.5	77.2	81.2	81.2	79.2	73.2	66.3	64.0	64.0	64.0	65.0	73.1	87.2
	65.8	67.0	64.8	61.3	56.4	49.5										
G	DIST FROM SOURCE: 2079 METERS															
	63.8	69.5	74.0	75.0	77.2	79.6	78.9	77.3	71.8	65.4	63.4	64.5	65.0	65.4	72.3	85.8
	66.4	65.8	63.7	59.6	52.9	45.0										
H	DIST FROM SOURCE: 2273 METERS															
	62.7	68.1	72.3	73.2	75.1	78.1	76.7	74.5	70.2	64.1	62.3	62.4	62.9	63.2	69.1	83.8
	62.4	61.4	59.0	54.3	47.6	39.6										
I	DIST FROM SOURCE: 2377 METERS															
	60.8	65.9	70.1	70.6	73.6	75.3	74.3	72.3	67.8	62.6	60.1	61.5	61.9	61.7	67.4	81.3
	61.2	60.0	57.2	52.3	45.6											

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 479 ) ARRAY 05 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 27 FEB 81 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-103-479 )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	ORASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	99.5	105.2	108.5	110.0	114.7	117.1	121.0	124.0	126.5	126.2	124.6	123.8	124.8	122.9	128.4	134.4
	120.8	117.8	115.2	114.2	113.7	113.2	112.5	111.6	109.8	108.9	103.3	103.1				
S	DIST FROM SOURCE: 66 METERS															
	99.2	105.2	108.7	110.1	115.0	116.5	121.0	124.7	127.7	127.7	125.3	124.2	125.2	122.9	128.1	134.9
	120.6	113.3	107.7	108.5	111.2	112.3	112.8	113.5	113.1	111.1	110.1	104.0	103.8			
T	DIST FROM SOURCE: 66 METERS															
	99.7	105.3	108.4	109.8	114.5	117.6	121.1	123.3	124.7	123.9	123.8	123.3	124.5	123.0	128.6	139.7
	121.0	120.0	117.8	116.6	115.2	113.9	112.1	111.3	109.5	107.8	107.4	102.4	102.3			
A	DIST FROM SOURCE: 134 METERS															
	91.4	98.7	102.0	103.6	107.8	112.7	115.6	117.0	117.2	113.2	107.7	99.1	104.1	107.2	119.4	124.5
	110.4	112.8	112.8	109.8	105.8	108.4	104.6	103.6	100.2	99.3	96.5	93.5	90.0			
B	DIST FROM SOURCE: 238 METERS															
	88.6	95.5	99.3	100.8	104.4	109.9	111.8	111.9	108.8	96.9	86.5	92.7	99.8	105.4	114.1	119.2
	108.1	108.7	105.6	103.0	100.2	102.0	100.3	97.6	95.1	93.2	88.0	84.0	81.4			
C	DIST FROM SOURCE: 431 METERS															
	83.7	91.0	95.4	97.4	101.6	106.0	105.2	100.0	89.0	77.7	77.9	86.0	94.2	99.7	104.2	111.6
	99.9	98.6	94.9	90.3	89.8	90.3	86.2	83.0	76.3	73.4						
D	DIST FROM SOURCE: 753 METERS															
	79.1	87.0	92.5	94.7	98.1	103.0	101.2	97.7	88.1	77.8	76.4	86.7	92.6	95.2	99.2	108.1
	94.3	93.8	89.1	82.7	85.4	81.8	76.0	72.8								
E	DIST FROM SOURCE: 1255 METERS															
	75.8	84.4	90.0	91.1	93.0	93.8	88.6	79.8	77.4	68.3	71.6	80.9	82.0	85.9	88.6	99.6
	85.1	82.2	75.9	72.6	71.9	64.6	59.5									
F	DIST FROM SOURCE: 1757 METERS															
	73.3	81.1	86.3	87.4	86.6	83.1	80.4	80.6	76.3	64.5	64.5	74.8	78.9	79.9	83.4	93.9
	78.1	79.0	72.4	65.5	63.8	55.7										
G	DIST FROM SOURCE: 2087 METERS															
	69.8	78.4	84.3	84.7	83.8	82.4	76.7	66.4	69.7	63.4	65.2	75.8	78.7	75.1	79.5	91.2
	74.2	71.9	64.3	64.0	57.9	50.9										
I	DIST FROM SOURCE: 2377 METERS															
	70.1	79.4	85.1	85.1	84.2	85.4	82.3	75.2	65.9	60.0	60.3	72.8	75.4	72.9	76.4	92.2
	69.4	66.4	60.0	60.0	54.1	45.8										

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 480 ) MICROPHONE: ARRAY 05  
 SOUND SOURCE: C-135A ( DATE: 27 FEB 81 )  
 LOCATION 01 HT AGL 1.5 M ( ) DATE 05 FEB 87  
 ( ) ( ) PAGE F1

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
U	DIST FROM SOURCE: 66 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 34 SEC															
	99.7	105.1	107.9	110.0	115.4	116.9	120.9	124.1	126.5	126.3	124.6	123.7	124.9	122.9	128.4	134.4
	120.7	117.8	115.2	114.2	113.8	113.2	112.6	112.6	111.6	109.7	108.7	103.2	103.1			
S	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	99.6	105.0	108.1	110.2	115.7	116.4	120.9	124.8	127.8	127.8	125.3	124.3	125.3	123.0	128.2	135.0
	120.5	113.3	107.8	108.5	111.4	112.5	113.1	113.7	113.2	111.1	109.9	103.9	103.9			
T	DIST FROM SOURCE: 66 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	99.8	105.1	107.8	109.8	115.1	117.4	121.0	123.3	124.6	124.0	123.8	123.1	124.5	122.6	128.5	133.7
	120.9	120.0	117.8	116.6	115.3	113.9	112.1	111.3	109.1	107.7	107.1	102.4	102.1			
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	91.9	98.5	101.5	103.5	108.4	112.5	115.6	117.2	117.3	113.0	107.3	99.7	104.4	107.5	119.3	124.5
	110.4	113.0	112.5	108.6	106.7	108.4	103.7	103.4	99.8	98.7	96.1	93.3	89.9			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	89.0	95.5	99.1	101.1	105.5	110.2	112.2	108.6	95.7	88.2	93.9	100.8	106.4		114.0	119.3
	108.6	108.0	104.4	102.0	101.6	102.5	99.8	98.2	94.0	91.9	86.4	82.2				
C	DIST FROM SOURCE: 431 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	84.2	90.9	95.1	97.5	102.6	106.0	104.9	99.5	90.8	78.2	79.8	88.6	96.9	100.2	104.3	111.7
	98.1	98.7	94.4	90.8	92.1	89.9	87.7	83.4	77.2	74.8						
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	72.4	86.9	92.1	95.0	99.1	103.1	101.2	97.4	88.5	77.5	78.6	88.9	93.7	93.8	98.7	108.1
	94.0	92.9	87.8	82.8	85.1	81.4	76.6	72.7								
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	76.6	84.6	89.9	91.5	93.9	93.8	88.3	80.1	78.1	70.8	74.2	82.9	83.3	85.2	88.9	99.9
	85.0	82.8	76.1	73.2	73.6	65.7	60.3									
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	73.8	81.2	86.1	87.2	87.4	83.4	80.2	80.0	76.8	67.1	68.3	76.4	79.3	81.4	84.1	94.1
	79.8	78.0	71.9	67.5	65.9	57.8										
G	DIST FROM SOURCE: 2087 METERS															
	OVERALL SAMPLE DURATION: 30 SEC															
	69.9	78.2	83.6	84.6	82.9	77.8	66.1	68.5	63.9	68.8	77.7	79.0	74.9		79.6	91.4
	74.3	70.3	64.5	64.4	58.2	50.7										
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	70.1	78.9	84.4	84.9	85.0	85.7	82.8	76.2	65.8	59.4	63.3	75.3	76.5	74.7	77.4	92.4
	70.1	65.3	59.2	58.4	52.2	43.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-481

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 481 ) ARRAY 05 )  
 LOCATION 01 HT AGL 1.5 M ( DATE 27 FEB 81 ) ) DATE 05 FEB 87  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)	
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																
	DIST FROM SOURCE: 66 METERS	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	BK	10K			
	99.8	105.1	108.2	110.2	115.1	117.2	121.4	124.4	126.7	126.8	124.8	124.1	124.9	123.0	128.5	134.6	
	120.8	117.4	114.7	114.3	114.0	113.5	113.0	112.9	111.9	109.6	108.5	103.3	103.1				
S	OVERALL SAMPLE DURATION: 36 SEC																
	DIST FROM SOURCE: 66 METERS	99.6	105.0	108.3	110.4	115.4	116.6	121.4	125.1	128.0	128.4	125.6	124.8	125.2	123.1	128.4	135.3
	120.6	113.1	108.1	109.1	111.9	113.1	113.5	114.0	113.4	110.8	109.3	103.8	103.9				
T	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 66 METERS	99.9	105.1	108.0	110.0	114.8	117.7	121.4	123.5	124.8	124.2	123.8	123.2	124.5	122.9	128.5	133.8
	121.0	119.5	117.2	116.6	115.5	113.8	112.3	111.5	109.7	108.0	107.4	102.8	102.2				
A	OVERALL SAMPLE DURATION: 35 SEC																
	DIST FROM SOURCE: 134 METERS	91.6	98.6	101.6	104.0	108.2	112.9	116.1	117.5	113.0	106.9	100.9	105.1	108.6	119.3	124.7	
	111.4	113.3	112.0	107.4	108.4	107.8	103.5	102.7	100.0	98.8	96.2	93.4	90.0				
B	OVERALL SAMPLE DURATION: 35 SEC																
	DIST FROM SOURCE: 238 METERS	88.7	95.4	99.0	101.4	105.2	110.4	112.4	112.3	108.3	95.6	88.3	93.7	101.0	106.4	113.5	119.3
	108.5	106.5	104.2	100.8	102.3	101.8	99.2	96.7	93.6	91.2	86.2	82.0					
C	OVERALL SAMPLE DURATION: 35 SEC																
	DIST FROM SOURCE: 431 METERS	83.9	91.0	95.2	98.0	102.4	106.4	105.4	99.9	91.0	77.5	78.8	88.4	97.1	100.7	104.0	111.9
	99.0	97.5	92.8	89.7	91.5	88.2	86.4	82.3	75.6	72.4							
D	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 753 METERS	78.8	86.6	91.8	95.0	98.6	103.1	101.6	97.5	88.3	75.8	74.4	85.6	92.2	93.4	97.4	107.9
	92.9	91.7	86.4	80.5	82.3	78.2	72.4										
E	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 1255 METERS	76.3	84.3	89.9	91.7	93.6	93.9	88.6	79.6	77.4	67.2	69.3	81.5	84.0	84.1	88.0	99.8
	83.9	80.9	75.3	73.8	72.6	64.5	59.5										
F	OVERALL SAMPLE DURATION: 35 SEC																
	DIST FROM SOURCE: 1757 METERS	73.9	81.3	85.8	87.6	87.2	83.6	80.1	79.1	76.2	65.0	66.8	78.1	80.0	80.6	84.8	94.2
	81.4	79.3	73.0	67.3	64.0	56.8											
G	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 2087 METERS	70.2	78.5	84.1	85.0	84.4	82.9	78.5	64.8	68.2	63.9	65.0	77.2	77.4	73.3	79.1	91.4
	75.3	70.5	64.1	63.1	58.1	49.6											
I	OVERALL SAMPLE DURATION: 34 SEC																
	DIST FROM SOURCE: 2377 METERS	70.2	79.2	84.6	85.1	84.6	85.8	83.0	76.7	66.7	58.9	60.2	73.8	74.4	72.6	76.3	92.4
	71.2	64.3	58.2	56.0	51.3	40.9											

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 482 ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( DATE: 27 FEB 81 ) ARRAY OS )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	--- 1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) ---															
DIST FROM SOURCE: 66 METERS	99.3	105.0	107.8	110.2	115.3	117.9	121.5	123.5	124.5	124.0	124.0	123.2	124.3	122.8	128.4	133.7
DIST FROM SOURCE: 66 METERS	120.9	117.2	114.7	114.4	114.0	113.5	113.1	113.1	113.9	109.8	108.5	103.2	103.1			
DIST FROM SOURCE: 66 METERS	99.3	105.0	108.2	110.6	116.0	116.9	121.6	125.1	127.8	129.4	125.8	125.0	125.4	123.4	128.6	135.4
DIST FROM SOURCE: 66 METERS	121.0	113.4	108.2	109.2	112.1	113.3	113.8	114.3	113.6	111.2	109.5	103.8	103.9			
DIST FROM SOURCE: 66 METERS	99.3	105.0	107.8	110.2	115.3	117.9	121.5	123.5	124.5	124.0	124.0	123.2	124.3	122.8	128.4	133.7
DIST FROM SOURCE: 66 METERS	120.8	119.2	117.2	116.7	115.3	113.7	112.1	111.3	109.1	107.8	107.3	102.6	102.1			
DIST FROM SOURCE: 134 METERS	91.5	98.5	101.4	104.0	108.7	113.0	116.2	117.4	117.2	112.8	106.7	100.8	104.6	108.1	118.9	124.5
DIST FROM SOURCE: 134 METERS	111.1	112.9	111.7	106.9	107.9	107.1	102.6	102.5	99.6	98.1	95.6	92.8	89.5			
DIST FROM SOURCE: 238 METERS	88.6	95.3	98.9	101.5	105.6	110.5	112.6	112.2	107.9	95.5	87.2	82.0	100.6	106.3	113.2	119.2
DIST FROM SOURCE: 238 METERS	108.4	106.4	103.1	101.6	102.1	99.9	99.7	97.1	93.2	91.3	89.6	81.4				
DIST FROM SOURCE: 431 METERS	83.6	90.6	94.7	97.8	102.6	106.3	105.4	99.7	90.7	76.6	77.0	89.6	95.1	100.0	102.8	111.6
DIST FROM SOURCE: 431 METERS	98.3	95.8	91.8	88.9	89.7	86.4	84.6	79.3	72.2							
DIST FROM SOURCE: 753 METERS	78.7	86.4	91.6	95.0	99.0	103.3	101.7	97.3	88.0	75.7	73.4	83.0	90.7	94.2	96.6	107.9
DIST FROM SOURCE: 753 METERS	91.2	90.2	85.0	80.2	81.4	76.8	72.2									
DIST FROM SOURCE: 1255 METERS	76.5	84.7	89.9	91.8	94.0	94.0	88.9	79.7	76.9	67.1	69.6	80.6	82.2	84.5	87.1	99.9
DIST FROM SOURCE: 1255 METERS	82.8	78.5	74.9	72.8	71.9	64.6	59.4									
DIST FROM SOURCE: 1757 METERS	73.9	81.4	85.7	87.6	87.4	83.3	79.9	79.1	76.2	64.4	63.2	73.4	75.7	76.8	81.7	93.7
DIST FROM SOURCE: 1757 METERS	77.9	77.0	70.2	64.6	62.5	54.2										
DIST FROM SOURCE: 2087 METERS	70.3	78.7	84.1	85.1	84.7	82.9	78.7	65.9	67.6	64.0	65.1	76.0	77.1	73.1	78.5	91.4
DIST FROM SOURCE: 2087 METERS	73.9	70.9	64.0	62.7	58.0	51.2										
DIST FROM SOURCE: 2377 METERS	70.5	78.9	84.2	84.9	84.7	85.8	83.3	76.5	66.0	58.5	60.3	73.0	74.4	70.8	76.1	92.2
DIST FROM SOURCE: 2377 METERS	71.4	66.0	58.7	58.9	52.8	43.2										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-105-483

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: )  
 SOUND SOURCE: C-135A ( NUMBER 483 )  
 LOCATION 01 MT AGL 1.5 M ( DATE 27 FEB 81 )  
 ) MICROPHONE: )  
 ) ARRAY 05 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K		128.6	134.8
	DIST FROM SOURCE: 66 METERS															
	99.0	105.1	108.0	109.9	115.2	117.6	121.7	124.6	127.1	129.1	124.9	125.0	123.0			
	120.9	117.4	114.8	114.5	114.2	113.6	113.1	113.2	112.1	109.7	108.6	103.4	103.4			
	OVERALL SAMPLE DURATION: 34 SEC															
S	DIST FROM SOURCE: 66 METERS															
	98.8	105.2	108.2	110.2	115.5	117.0	121.8	125.3	128.5	128.7	125.8	125.0	125.6	123.1	128.6	135.6
	120.8	113.3	108.1	109.4	112.1	113.2	113.8	114.3	113.6	110.9	109.5	103.9	104.1			
	OVERALL SAMPLE DURATION: 34 SEC															
T	DIST FROM SOURCE: 66 METERS															
	99.1	105.1	107.8	109.7	114.9	118.1	121.7	123.7	125.1	124.5	124.1	123.4	124.3	122.9	128.6	134.0
	120.9	119.5	117.4	116.8	115.6	113.9	112.3	111.7	109.7	108.0	107.5	102.8	102.6			
	OVERALL SAMPLE DURATION: 34 SEC															
A	DIST FROM SOURCE: 134 METERS															
	91.3	98.6	101.7	103.6	108.4	113.2	116.3	117.5	117.6	113.3	107.0	101.0	104.9	108.4	118.9	124.7
	111.3	113.1	111.5	106.7	107.7	106.8	102.4	102.2	99.8	99.1	95.6	92.9	89.6			
	OVERALL SAMPLE DURATION: 34 SEC															
B	DIST FROM SOURCE: 238 METERS															
	88.5	95.3	99.1	100.8	105.3	110.5	112.5	112.2	108.4	96.3	96.5	91.8	99.7	105.7	112.9	119.1
	107.9	106.4	103.2	100.6	101.9	99.9	99.4	96.6	93.3	91.1	85.0	81.0				
	OVERALL SAMPLE DURATION: 34 SEC															
C	DIST FROM SOURCE: 431 METERS															
	83.7	90.9	95.1	97.5	102.5	106.5	105.6	100.0	90.9	77.2	78.0	87.3	96.0	100.2	103.3	111.8
	97.9	96.4	93.7	89.2	90.1	88.4	85.4	82.1	75.5	72.7						
	OVERALL SAMPLE DURATION: 33 SEC															
D	DIST FROM SOURCE: 753 METERS															
	78.9	87.0	92.1	94.8	99.0	103.5	101.8	97.7	88.7	76.1	74.2	84.3	91.1	93.0	96.3	108.0
	90.9	90.5	84.4	79.8	80.9	76.9	71.9									
	OVERALL SAMPLE DURATION: 34 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	77.2	84.9	90.0	91.4	93.8	94.2	89.2	79.8	77.5	67.3	69.6	81.0	82.7	84.5	87.2	99.8
	82.7	79.3	75.1	71.8	70.6	63.0	58.8									
	OVERALL SAMPLE DURATION: 34 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	73.4	81.2	86.0	87.1	87.1	83.3	80.0	80.1	77.1	64.9	63.9	74.1	76.5	77.7	81.8	93.6
	77.4	76.2	70.9	66.7	64.3	55.8										
	OVERALL SAMPLE DURATION: 34 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	70.1	79.0	84.6	84.7	84.6	83.3	79.3	67.0	69.3	64.8	64.4	76.4	76.2	72.5	77.8	91.5
	73.1	68.0	63.4	63.3	57.3	50.8										
	OVERALL SAMPLE DURATION: 34 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	69.8	79.5	84.7	84.8	84.7	86.5	84.0	77.4	66.7	59.8	61.1	73.7	72.8	72.9	76.0	92.6
	70.1	64.3	60.1	58.3	51.7	42.3										
	OVERALL SAMPLE DURATION: 34 SEC															

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 485 ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( DATE: 27 FEB 81 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( ) TEST AA-106-485 )  
 ( ) MICROPHONE: )  
 ( ) ARRAY 06 )  
 ( ) DATE 05 FEB 87 )  
 ( ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 75 METERS															
	98.9	104.9	107.4	109.3	115.1	115.9	119.3	122.3	124.3	124.1	121.6	117.0	114.8	113.9	122.6	130.8
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	99.2	104.6	107.5	109.5	115.9	115.6	119.2	123.0	125.7	125.9	123.6	118.5	116.3	113.8	121.5	131.8
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	98.6	104.3	107.2	109.1	114.1	116.1	119.4	121.4	122.2	121.3	118.8	114.7	112.7	114.0	123.5	129.6
A	DIST FROM SOURCE: 134 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	92.2	98.1	101.3	102.8	107.1	110.9	114.2	116.3	115.2	112.6	108.6	102.9	95.7	95.7	110.9	122.0
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	86.5	93.1	96.0	97.8	101.7	106.2	108.4	109.4	108.0	101.4	93.0	84.0	85.0	89.3	105.8	115.2
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	80.6	87.6	91.4	93.5	97.0	101.4	102.2	98.8	88.5	85.0	74.5	74.3	76.0	79.8	97.3	107.2
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	77.0	84.2	88.0	90.1	93.6	97.5	98.9	95.7	85.9	76.5	69.6	67.5	68.7	71.6	85.8	103.4
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	73.1	80.7	84.9	87.0	90.5	93.7	94.2	90.4	80.2	66.7	61.5	62.4	63.5	66.9	83.8	99.3
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	69.7	76.5	81.1	83.4	86.4	88.9	87.0	82.4	70.9	61.2	56.5	59.3	60.3	63.8	77.8	93.7
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	67.6	74.8	78.2	80.5	84.1	84.5	80.8	77.0	72.3	60.5	56.0	57.1	58.2	61.1	75.0	89.9
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	67.2	73.9	77.6	79.4	82.7	83.6	79.9	74.6	69.8	58.9	52.8	56.7	59.8	68.7	73.5	88.7
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 33 SEC															
	64.7	72.0	75.4	77.3	80.7	81.8	78.5	72.0	66.7	51.9	56.0	58.1	69.2	86.7	86.7	86.7



TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) IDENTIFICATION:  
 SOUND SOURCE: C-135A ( NUMBER 486 ) OMEGA 12.2  
 LOCATION 02 HT AGL 1.5 M ( DATE 27 FEB 81 ) TEST AA-106-486  
 ( MICROPHONE: )  
 ( ARRAY 06 ) DATE 05 FEB 87  
 ( ) PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)										OASPL (DB)				
	25	31.5	40	50	63	80	100	125	160	200		250	315	400	500
U	DIST FROM SOURCE: 75 METERS										123.7				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K		6300	8K	10K	
	OVERALL SAMPLE DURATION: 34 SEC														
S	DIST FROM SOURCE: 75 METERS										132.4				
	99.9	104.9	108.0	110.1	114.7	117.0	120.2	121.5	121.9	121.3		119.4	115.9	115.1	115.7
	OVERALL SAMPLE DURATION: 34 SEC														
T	DIST FROM SOURCE: 75 METERS										124.4				
	116.4	115.5	114.9	114.7	113.3	111.5	109.8	109.2	107.4	105.0		104.4	99.4	98.9	
	OVERALL SAMPLE DURATION: 35 SEC														
A	DIST FROM SOURCE: 134 METERS										115.6				
	93.2	98.4	102.1	104.3	108.6	113.0	116.5	117.8	116.8	114.3		109.7	101.9	99.1	104.1
	OVERALL SAMPLE DURATION: 34 SEC														
B	DIST FROM SOURCE: 238 METERS										109.1				
	87.9	93.7	97.0	98.9	102.6	107.8	110.2	111.0	108.4	100.2		92.0	88.7	90.3	94.2
	OVERALL SAMPLE DURATION: 26 SEC														
C	DIST FROM SOURCE: 423 METERS										101.1				
	82.0	88.0	92.6	94.7	98.0	102.6	101.9	96.9	92.1	86.2		76.6	79.6	82.7	86.5
	OVERALL SAMPLE DURATION: 34 SEC														
D	DIST FROM SOURCE: 753 METERS										88.5				
	78.0	84.5	89.0	91.5	94.8	98.9	99.1	94.5	84.9	78.1		71.2	71.9	73.9	77.0
	OVERALL SAMPLE DURATION: 34 SEC														
E	DIST FROM SOURCE: 1255 METERS										100.2				
	74.4	81.2	86.2	88.4	91.6	95.2	94.5	89.3	77.0	64.5		63.9	66.2	68.9	72.2
	OVERALL SAMPLE DURATION: 29 SEC														
F	DIST FROM SOURCE: 1757 METERS										83.0				
	70.6	76.8	82.3	85.0	87.5	90.5	87.6	81.5	68.9	61.8		58.3	63.6	66.2	70.5
	OVERALL SAMPLE DURATION: 34 SEC														
G	DIST FROM SOURCE: 2079 METERS										79.2				
	68.6	75.2	79.6	82.2	85.7	86.6	81.9	76.2	69.8	60.4		58.5	59.7	63.1	67.1
	OVERALL SAMPLE DURATION: 36 SEC														
H	DIST FROM SOURCE: 2273 METERS										80.2				
	67.8	73.9	78.6	81.0	84.3	85.7	80.7	74.1	67.2	53.9		59.2	62.4	66.0	69.5
	OVERALL SAMPLE DURATION: 34 SEC														
I	DIST FROM SOURCE: 2377 METERS										76.6				
	65.3	72.0	76.5	78.7	82.0	83.7	79.1	71.1	63.8	53.5		58.6	60.0	63.1	68.3
	OVERALL SAMPLE DURATION: 34 SEC														

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-487  
 )  
 )  
 ) DATE 05 FEB 87  
 ) PAGE F1

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE:  
 SOUND SOURCE: C-135A ( NUMBER 487 ) ARRAY 06  
 LOCATION 02 HT AGL 1.5 M ( DATE 27 FEB 81 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	150	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS															
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	OVERALL SAMPLE DURATION: 35 SEC															
	99.4	104.5	107.0	109.1	114.6	115.5	118.8	121.3	123.4	123.8	121.6	116.1	113.0	111.4	121.5	130.1
	110.6	110.4	110.1	109.7	109.1	106.7	105.6	106.4	102.7	100.8						
S	DIST FROM SOURCE: 75 METERS															
	99.4	104.5	107.0	109.3	115.4	115.4	118.7	122.1	125.0	125.6	123.5	118.2	114.8	111.0	121.2	131.3
	104.3	99.3	98.5	97.2	100.6	102.9	104.2	106.5	103.6	100.9						
T	DIST FROM SOURCE: 75 METERS															
	99.5	104.6	107.0	109.0	113.6	115.7	118.8	120.3	120.9	120.4	118.0	111.9	110.1	111.9	121.9	128.5
	113.0	113.2	113.0	112.5	110.7	108.6	106.7	106.2	104.8	101.5	100.7	96.8	96.3			
A	DIST FROM SOURCE: 134 METERS															
	92.6	98.4	101.0	102.6	106.9	110.6	114.0	115.5	114.7	112.6	108.6	102.4	96.0	96.1	110.3	121.6
	97.0	98.0	98.2	98.1	98.0	97.4	95.8	94.7	94.4	89.8	87.0	85.2				
B	DIST FROM SOURCE: 238 METERS															
	87.2	93.4	96.0	97.9	101.5	105.9	108.0	109.0	107.7	101.2	93.4	86.7	80.0	90.4	104.8	114.9
	92.1	94.9	96.2	96.1	95.6	93.6	89.1	87.7	87.9	83.1						
C	DIST FROM SOURCE: 423 METERS															
	81.6	88.0	91.7	93.9	97.3	101.3	101.5	97.4	89.6	86.6	77.0	77.6	80.3	83.4	97.7	107.0
	84.9	87.3	88.9	89.9	90.5	88.8	84.1									
D	DIST FROM SOURCE: 753 METERS															
	77.7	84.4	88.1	90.5	94.0	97.5	98.4	94.5	85.5	79.1	72.5	71.7	73.7	77.4	90.8	103.3
	79.3	82.2	83.2	82.6	81.7	78.8	73.5	68.2								
E	DIST FROM SOURCE: 1255 METERS															
	74.5	80.9	84.8	87.2	90.8	93.9	93.8	89.3	78.2	67.7	64.5	65.1	67.1	71.2	87.1	99.2
	75.0	78.9	80.8	80.5	78.0	72.3	62.8									
F	DIST FROM SOURCE: 1757 METERS															
	70.9	76.7	81.6	84.1	87.0	89.4	87.1	82.2	70.5	63.4	58.6	62.5	64.3	69.5	82.4	94.3
	74.1	78.3	75.7	73.3	70.9	62.7										
G	DIST FROM SOURCE: 2079 METERS															
	68.8	75.3	79.0	81.3	84.9	85.0	81.0	76.4	72.1	60.8	58.1	58.7	61.7	66.3	79.2	90.6
	71.9	74.4	73.1	71.5	64.6	56.0										
H	DIST FROM SOURCE: 2273 METERS															
	67.8	74.4	78.3	80.6	83.7	84.2	80.1	73.7	69.2	59.0	53.5	57.1	59.7	64.7	79.8	89.8
	70.5	75.1	75.4	72.1	62.8	51.4										
I	DIST FROM SOURCE: 2377 METERS															
	65.4	72.3	76.4	78.4	81.6	82.5	78.7	71.2	65.4	53.2						
	67.4	71.0	70.4	65.8	57.7	49.0										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( NUMBER 488 ) ARRAY ) OMEGA 12.2 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 27 FEB 81 ) ) TEST AA-106-488 )  
 ( ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	100.2	105.4	108.0	110.1	115.2	116.5	119.5	122.1	123.6	123.9	123.0	118.6	116.8	115.9	123.9	131.2
	115.2	113.7	112.6	112.2	110.6	109.0	107.6	107.7	106.8	104.7	103.7	99.2	98.6			
OVERALL SAMPLE DURATION: 34 SEC																
S	DIST FROM SOURCE: 75 METERS															
	100.2	105.4	108.0	110.4	116.1	116.5	119.5	123.0	125.2	125.7	124.9	120.6	118.2	115.3	122.8	132.2
	110.0	104.0	101.9	99.0	101.5	103.5	104.0	106.0	105.1	104.6	103.3	99.0	98.5			
OVERALL SAMPLE DURATION: 35 SEC																
T	DIST FROM SOURCE: 75 METERS															
	100.2	105.3	108.0	109.9	114.1	116.6	119.6	121.1	121.0	120.6	119.3	114.6	114.7	116.4	124.7	129.9
	117.5	116.5	115.4	115.1	113.4	111.4	109.6	109.0	107.4	104.8	104.0	99.5	98.8			
OVERALL SAMPLE DURATION: 34 SEC																
A	DIST FROM SOURCE: 134 METERS															
	92.7	98.4	101.3	103.3	106.9	111.1	113.9	115.5	114.2	112.4	109.5	103.5	96.0	97.4	111.8	121.7
	99.4	100.5	100.4	100.3	100.4	100.1	99.1	98.4	94.8	93.5	89.8	86.1	83.9			
OVERALL SAMPLE DURATION: 34 SEC																
B	DIST FROM SOURCE: 238 METERS															
	87.1	93.1	95.5	97.8	101.0	105.9	107.7	109.0	107.0	100.3	93.4	85.3	86.0	90.6	104.7	114.6
	92.7	95.0	95.6	95.5	95.5	94.5	90.9	85.9	83.4	79.0						
OVERALL SAMPLE DURATION: 34 SEC																
C	DIST FROM SOURCE: 423 METERS															
	82.0	88.1	91.4	93.6	96.4	101.1	100.9	96.4	89.7	86.3	75.1	75.8	79.2	82.1	97.8	106.5
	83.7	85.9	88.3	89.9	90.6	89.7	85.5	78.8								
OVERALL SAMPLE DURATION: 34 SEC																
D	DIST FROM SOURCE: 753 METERS															
	78.2	84.7	88.2	90.5	93.4	97.6	98.5	94.8	84.4	78.6	72.1	69.6	71.3	74.4	85.9	103.2
	75.1	75.6	75.5	73.7	72.1	68.8	64.7									
OVERALL SAMPLE DURATION: 34 SEC																
E	DIST FROM SOURCE: 1255 METERS															
	74.0	81.2	85.0	87.7	90.6	94.3	94.1	89.9	78.0	67.7	64.2	64.3	67.9	72.2	85.3	99.5
	75.2	78.2	78.8	77.0	73.9	68.9	60.3									
OVERALL SAMPLE DURATION: 34 SEC																
F	DIST FROM SOURCE: 1757 METERS															
	70.5	77.2	81.6	84.3	86.8	90.0	88.3	83.0	70.2	62.0	58.7	62.0	64.0	69.8	80.5	94.7
	73.1	75.5	72.8	71.4	67.8	58.3										
OVERALL SAMPLE DURATION: 34 SEC																
G	DIST FROM SOURCE: 2079 METERS															
	69.0	75.8	79.2	82.0	85.0	86.1	82.5	78.3	71.9	60.9	58.0	59.1	61.4	64.4	74.3	91.1
	68.7	68.2	65.0	63.9	57.8	50.6										
OVERALL SAMPLE DURATION: 34 SEC																
H	DIST FROM SOURCE: 2273 METERS															
	67.8	74.8	78.4	80.7	83.6	85.2	81.2	76.1	70.4	59.9	53.4	58.1	61.9	65.0	75.3	90.0
	68.2	69.6	68.8	66.9	58.4	48.6										
OVERALL SAMPLE DURATION: 34 SEC																
I	DIST FROM SOURCE: 2377 METERS															
	65.5	73.0	76.4	78.6	81.6	83.6	79.8	73.5	67.6	52.6						
	66.4	68.0	66.4	63.9	55.0	45.6										
OVERALL SAMPLE DURATION: 34 SEC																

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 489 ) MICROPHONE: ) IDENTIFICATION: )  
 SOUND SOURCE: C-135A ( DATE: 27 FEB 81 ) ARRAY 05 ) OMEGA 12.2 )  
 LOCATION 01 HT AGL 1.5 M ( ) ) ) TEST AA-105-489 )  
 ( ) ) ) ) DATE 05 FEB 87 )  
 ( ) ) ) ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															
	DIST FROM SOURCE: 66 METERS															
	99.8 105.7 108.8 110.9 115.8 118.0 121.8 124.6 126.7 126.6 124.3 123.7 124.3 122.8															
	121.1 118.3 115.8 114.0 113.1 112.6 111.8 111.6 110.4 108.8 108.3 102.8 102.4															
S	DIST FROM SOURCE: 66 METERS															
	99.9 105.7 108.9 111.1 116.0 117.5 121.8 125.2 127.9 128.1 125.1 124.1 123.9 122.4															
	120.2 112.7 107.3 107.1 109.5 110.7 111.1 111.6 111.2 109.4 109.0 103.0 102.4															
	OVERALL SAMPLE DURATION: 34 SEC															
T	DIST FROM SOURCE: 66 METERS															
	99.7 105.7 108.6 110.6 115.5 118.5 121.8 123.9 125.1 124.4 123.4 123.3 124.7 123.1															
	121.9 120.7 118.5 116.6 115.1 114.0 112.4 111.6 109.3 108.1 107.6 102.7 102.3															
	OVERALL SAMPLE DURATION: 34 SEC															
A	DIST FROM SOURCE: 134 METERS															
	91.7 99.0 102.2 104.4 108.7 113.6 116.4 117.9 118.1 113.9 107.9 99.9 105.0 107.8															
	110.4 112.6 113.0 111.4 106.6 105.8 106.3 103.3 101.2 99.8 97.3 94.8 92.0															
	OVERALL SAMPLE DURATION: 34 SEC															
B	DIST FROM SOURCE: 238 METERS															
	88.9 95.9 99.9 101.8 105.8 110.9 112.7 112.9 109.6 98.1 88.4 96.3 102.7 107.2															
	109.5 110.2 108.0 104.1 103.5 102.1 99.7 99.6 95.8 94.3 90.2 87.0															
	OVERALL SAMPLE DURATION: 34 SEC															
C	DIST FROM SOURCE: 431 METERS															
	84.2 91.6 95.9 98.5 103.1 106.8 105.5 100.3 90.5 81.1 83.8 93.2 99.9 100.6															
	101.1 102.5 98.2 96.1 94.5 93.6 90.7 87.0 81.0 77.7 73.3															
	OVERALL SAMPLE DURATION: 35 SEC															
D	DIST FROM SOURCE: 753 METERS															
	79.3 87.4 92.6 95.5 99.3 103.3 101.6 98.8 90.1 78.0 78.5 86.7 87.1 93.3															
	94.2 94.8 92.2 87.3 83.9 82.4 76.9 71.8															
	OVERALL SAMPLE DURATION: 32 SEC															
E	DIST FROM SOURCE: 1255 METERS															
	77.0 85.6 90.9 92.3 94.1 94.6 90.0 82.5 80.9 77.2 79.6 84.4 84.8 87.8															
	88.0 87.4 84.9 78.2 75.2 70.8															
	OVERALL SAMPLE DURATION: 34 SEC															
F	DIST FROM SOURCE: 1757 METERS															
	74.2 82.3 86.8 87.7 87.4 84.7 80.2 81.4 79.5 74.5 68.1 77.0 78.4 81.2															
	82.4 81.8 76.2 69.6 66.0 60.6															
	OVERALL SAMPLE DURATION: 34 SEC															
G	DIST FROM SOURCE: 2087 METERS															
	71.0 79.6 85.2 85.6 85.2 85.2 82.1 75.9 74.3 68.9 69.9 75.4 75.2 77.6															
	77.6 75.5 71.2 65.9 61.9 53.8															
	OVERALL SAMPLE DURATION: 34 SEC															
I	DIST FROM SOURCE: 2377 METERS															
	71.4 80.3 85.4 85.0 85.0 87.1 85.2 80.1 71.1 70.2 64.6 67.3 76.0 74.8															
	74.1 71.6 67.3 60.7 55.8 47.1															
	OVERALL SAMPLE DURATION: 34 SEC															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-133A ( NUMBER 490 ) ARRAY OS )  
 LOCATION 01 HT AGL 1.5 M ( DATE 27 FEB 81 ) )  
 IDENTIFICATION: )  
 OMEGA 12.2 )  
 TEST AA-105-49C )  
 DATE 05 FEB 87 )  
 PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
	DIST FROM SOURCE: 66 METERS															
	100.0	105.8	108.7	111.4	115.6	117.7	121.9	124.6	126.7	126.9	124.8	129.8	124.1	122.9	128.1	134.6
	121.0	118.0	115.4	113.8	113.0	112.4	111.6	111.4	110.3	108.4	108.2	102.6	102.2			
S	DIST FROM SOURCE: 66 METERS															
	100.1	105.7	108.8	111.6	115.9	117.2	121.9	125.2	127.9	128.4	125.4	124.3	123.7	122.5	127.4	135.0
	120.2	112.6	107.1	107.0	109.3	110.4	110.9	111.5	111.0	109.0	108.9	102.7	102.1			
T	DIST FROM SOURCE: 66 METERS															
	100.0	105.9	108.6	111.2	115.3	118.2	121.9	124.0	125.1	124.7	124.0	123.3	124.4	123.2	128.8	134.1
	121.6	120.3	118.1	116.3	115.0	113.7	112.2	111.3	109.3	107.8	107.4	102.5	102.2			
A	DIST FROM SOURCE: 134 METERS															
	92.2	99.3	102.2	104.9	108.4	113.2	116.4	117.8	117.9	114.1	108.4	99.7	104.6	107.5	119.4	125.0
	110.1	112.3	112.7	111.1	106.4	105.6	106.1	102.9	100.8	99.4	96.8	93.9	91.6			
B	DIST FROM SOURCE: 238 METERS															
	89.3	96.1	99.6	102.3	105.5	110.7	112.7	112.9	109.8	98.5	88.6	96.3	102.5	106.8	115.6	120.3
	109.2	110.1	108.4	104.1	103.2	102.8	99.7	99.8	95.4	94.6	90.4	87.6				
C	DIST FROM SOURCE: 431 METERS															
	84.6	91.7	95.8	99.0	102.9	106.6	105.7	100.0	90.5	82.2	85.7	94.1	100.6	101.6	107.9	113.2
	101.0	103.2	98.7	96.6	95.4	93.4	91.7	88.0	82.0	79.1	73.9					
D	DIST FROM SOURCE: 753 METERS															
	79.4	87.3	92.5	95.9	98.9	102.9	101.9	98.5	90.8	79.8	80.6	86.7	87.9	94.2	100.1	108.5
	93.8	95.4	92.5	89.9	84.8	82.9	78.3	72.1								
E	DIST FROM SOURCE: 1255 METERS															
	77.6	85.9	90.9	92.8	94.2	94.4	90.3	82.5	81.2	78.4	81.1	85.6	85.0	87.4	92.6	101.3
	87.9	87.1	85.1	79.3	75.5	72.1										
F	DIST FROM SOURCE: 1757 METERS															
	75.0	82.6	86.7	88.2	87.1	84.5	81.0	81.2	79.6	76.7	70.2	76.0	78.1	78.6	85.3	94.8
	81.0	81.0	77.2	70.3	65.9	60.8										
G	DIST FROM SOURCE: 2087 METERS															
	72.4	79.9	85.3	85.7	84.8	84.2	80.0	68.9	72.6	69.1	69.8	76.4	77.4	76.4	81.8	92.5
	77.8	76.1	72.2	67.2	62.7	54.8										
I	DIST FROM SOURCE: 2377 METERS															
	71.7	80.7	85.4	85.6	85.1	86.3	84.6	77.9	72.8	73.4	66.1	69.4	75.1	76.4	79.7	93.3
	75.2	73.3	68.2	61.7	58.6	49.3										

TABLE: SUMMARY OF LEG NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:  
 ) OMEGA 12.2  
 ) TEST AA-106-491

STATION 1: WRIGHT-PATTERSON AFB ( EVENT: NUMBER 491 )  
 SOUND SOURCE: C-135A ( DATE 27 FEB 81 )  
 LOCATION 02 MT AGL 1.5 M ( )  
 ) MICROPHONE: )  
 ) ARRAY 06 )  
 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) AL OASPL (DB)

U  
 MICROPHONE LOCATION  
 25 31.5 40 50 60 80 100 125 160 200 250 315 400 500  
 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K  
 DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC  
 99.2 104.9 107.5 108.9 114.6 115.6 118.2 120.3 121.4 121.1 120.3 115.7 114.1 114.7 121.3 129.0  
 112.9 111.3 110.5 110.0 108.3 106.5 105.1 104.7

S  
 DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC  
 99.3 104.9 107.5 109.1 115.4 115.3 118.0 120.9 122.7 122.7 121.7 116.7 114.9 114.1 119.5 129.6  
 108.8 102.0 97.3 92.2 92.6 93.0 93.0 94.4

T  
 DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC  
 99.1 104.9 107.5 108.8 113.7 115.8 118.4 119.6 119.5 118.8 118.3 114.4 113.2 115.2 122.8 128.4  
 115.0 114.1 113.4 113.0 111.3 109.4 107.9 107.5 105.0 103.1 102.4 96.5 96.1

A  
 DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC  
 90.9 97.0 100.1 101.1 105.5 109.4 112.3 113.7 112.0 109.2 107.0 102.7 98.2 97.0 108.4 119.6  
 97.2 97.5 96.9 96.3 95.6 94.4 92.4 91.1 89.2 85.7 81.4 77.5 76.1

B  
 DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC  
 85.8 92.5 94.8 96.2 99.9 104.6 106.2 106.4 104.8 100.0 95.5 87.5 83.6 85.0 98.2 112.6  
 85.3 85.8 84.8 83.7 83.1 82.1 79.2 78.2

C  
 DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 16 SEC  
 79.1 85.8 89.4 90.5 94.4 99.3 100.1 98.7 91.6 83.0 79.3 73.9 73.1 74.8 88.0 105.2  
 74.8 75.6 75.2 74.4 72.8 70.7

D  
 DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 36 SEC  
 73.9 81.0 84.0 85.1 88.2 92.3 93.5 91.9 86.0 74.5 66.6 65.9 66.0 67.8 81.1 98.6  
 68.4 69.3 67.7 65.7 63.6 60.4

E  
 DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 36 SEC  
 70.4 75.5 77.9 80.7 83.6 83.7 81.5 74.5 63.9 60.2 60.5 62.4 71.0 89.4  
 56.2 51.6

F  
 DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC  
 70.8 72.0 76.2 74.0 71.9 65.5 57.6 58.6  
 60.9 60.8 54.6

G  
 DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC  
 64.8 68.6 69.2 69.6 67.2 60.8 53.8 55.5 56.0

H  
 DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC  
 67.2 68.3 68.6 66.0 63.2 59.9 51.8 53.7 54.9 74.7  
 54.1 52.4 49.6

I  
 DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC  
 65.3 66.5 67.0 66.4 64.2 61.6 58.8 50.8 53.5

TABLE: SUMMARY OF LEO NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: )  
 ) OMEGA 12.2  
 ) TEST AA-106-492  
 STATION 1: WRIGHT-PATTERSON AFB ( EVENT: ) MICROPHONE: )  
 SOUND SOURCE: C-135A ( NUMBER 492 ) ARRAY 06 )  
 LOCATION 02 HT AGL 1.5 M ( DATE 27 FEB 81 ) DATE 05 FEB 87 )  
 ) PAGE F1 )

MICROPHONE LOCATION	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
U	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
DIST FROM SOURCE: 75 METERS																
	99.2	103.8	107.2	109.1	114.5	115.2	118.0	120.5	122.1	121.5	120.2	115.2	114.3	114.6	121.2	129.1
	112.5	111.2	110.3	109.8	108.0	105.8	104.0	103.9								
DIST FROM SOURCE: 75 METERS																
	99.2	103.8	107.2	109.3	115.3	115.0	117.7	121.1	123.3	122.8	121.4	115.8	114.8	113.4	119.3	129.6
	108.4	102.0	96.9	91.7	91.9	92.4	93.0	94.7								
DIST FROM SOURCE: 75 METERS																
	99.2	103.9	107.2	109.0	113.6	115.5	118.2	119.9	120.3	119.5	118.5	114.6	113.7	115.2	122.6	128.6
	114.6	113.9	113.2	112.8	110.9	108.7	106.9	106.6	104.5	102.2	101.3	95.4	94.6			
DIST FROM SOURCE: 134 METERS																
	90.7	96.2	99.9	101.5	105.6	109.2	112.1	113.8	112.5	109.6	106.6	102.0	98.3	97.0	108.0	119.6
	96.0	96.2	95.7	95.3	94.7	93.7	93.7	91.6	89.8	80.1	77.1	73.8				
DIST FROM SOURCE: 238 METERS																
	85.8	91.8	94.7	96.8	100.3	104.5	106.1	106.8	105.4	100.4	95.5	86.9	83.8	85.1	98.5	112.8
	85.5	86.3	85.8	84.1	83.2	82.1	79.7	77.5								
DIST FROM SOURCE: 423 METERS																
	79.7	85.5	89.3	91.5	94.5	99.2	99.9	98.5	91.4	81.9	77.1	72.9	74.9	76.2	88.4	105.1
	76.0	77.2	77.6	77.4	75.2	72.9										
DIST FROM SOURCE: 753 METERS																
	73.7	79.6	83.3	85.6	88.4	92.0	93.2	91.8	86.0	73.7	66.5	66.4	67.3	68.9	82.5	98.5
	70.0	70.8	74.5	72.9	67.9	63.9										
DIST FROM SOURCE: 1255 METERS																
	69.5	74.8	78.0	79.6	81.4	84.3	83.9	81.3	74.9	63.8	60.2	60.8	61.8	63.3	73.0	90.0
	63.9	64.3	63.3	60.4	57.0	52.6										
DIST FROM SOURCE: 1757 METERS																
	69.7	72.6	74.6	75.2	77.2	77.2	75.1	71.2	64.5							
	59.3	54.2	50.7													
DIST FROM SOURCE: 2079 METERS																
	66.5	69.1	71.2	71.9	71.7	71.7	69.4	61.5	53.8							
	55.4	56.3														
DIST FROM SOURCE: 2273 METERS																
	65.0	67.9														
	58.2	55.1	52.8	48.8												
DIST FROM SOURCE: 2377 METERS																
	63.2	65.4	66.7													
	51.9															
	68.1	65.4	61.3													
	51.1															
	59.0	59.0	59.0													
	57.1															

**APPENDIX B**  
**EXCESS SOUND ATTENUATION, ESA, AND METEOROLOGICAL DATA**



DEFINITIONS OF SELECTED OMEGA 13 OUTPUT PARAMETERS AND CODES

THIS TABLE CONTAINS DEFINITIONS OF MOST OF THE OUTPUT PARAMETERS PLUS A COMPLETE LIST OF ALL PRECIPITATION AND CONDITION CODES.

1) TEST NO.	---	THE TEST NUMBER CONSISTS OF THE LOG FILE CODE (AA), STATION CODE (B), ARRAY CODE (CC) AND THE EVENT NUMBER (DDD) IN THE FORM AA-BCC-DDD.	13) D1	---	MEAN WIND DIRECTION IN DEGREES AT THE UPPER WIND SENSOR OF THE FIRST WIND MEASUREMENT POSITION.
2) DATE	---	DATE EVENT DATA WERE ACQUIRED.	14) D2	---	MEAN WIND DIRECTION IN DEGREES AT THE UPPER WIND SENSOR OF THE SECOND WIND MEASUREMENT POSITION.
3) HR-MN	---	EVENT START TIME IN HOURS AND MINUTES.	15) AUD	---	AVERAGE OF D1 AND D2 DEGREES (CALCULATED).
4) T3	---	MEAN AFAMRL FIELD TEMPERATURE IN DEG C: HIGHEST PROBE ABOVE THE GROUND.	16) WU	---	MEAN WIND SPEED COMPONENT ALONG THE SOUND PATH IN METERS/SECOND (CALCULATED).
5) T2	---	MEAN AFAMRL FIELD TEMPERATURE IN DEG C: MIDDLE PROBE ABOVE THE GROUND.	17) SBP	---	STATION BAROMETRIC PRESSURE IN M HG.
6) T1	---	MEAN AFAMRL FIELD TEMPERATURE IN DEG C: CLOSEST PROBE TO THE GROUND.	18) ST	---	STATION TEMPERATURE IN DEGREES C.
7) RH	---	AFAMRL FIELD RELATIVE HUMIDITY IN PERCENT.	19) SRH	---	STATION RELATIVE HUMIDITY IN PERCENT.
8) S1	---	MEAN WIND SPEED IN METERS PER SECOND AT THE UPPER WIND SENSOR OF THE FIRST WIND MEASUREMENT POSITION.	20) SS	---	STATION WIND SPEED IN METERS/SECOND.
9) S2	---	MEAN WIND SPEED IN METERS PER SECOND AT THE UPPER WIND SENSOR OF THE SECOND WIND MEASUREMENT POSITION.	21) SD	---	STATION WIND DIRECTION IN DEGREES.
10) S3	---	MEAN WIND SPEED IN METERS PER SECOND AT THE LOWER WIND SENSOR OF THE FIRST WIND MEASUREMENT POSITION.	22) SHU	---	STATION WIND SPEED COMPONENT ALONG THE SOUND PATH IN METERS/SECOND (CALCULATED).
11) S4	---	MEAN WIND SPEED IN METERS PER SECOND AT THE LOWER WIND SENSOR OF THE SECOND WIND MEASUREMENT POSITION.	23) DURATION	---	OVERALL SAMPLE SOUND DURATION AT THE GIVEN DISTANCE FROM THE SOUND SOURCE IN SECONDS.
12) S1+2	---	AVERAGE S1 AND S2 (UPPER WIND SPEED) IN METERS PER SECOND (CALCULATED).	24) OASPL	---	OVERALL SOUND PRESSURE LEVEL IN DB.
			25) AL	---	A-WEIGHTED OVERALL SOUND LEVEL IN DBA.
			26) ALPHA	---	THERMALLY RELATED SOUND VELOCITY GRADIENT IN M/S (CALCULATED).
			27) BETA	---	WIND SPEED RELATED SOUND VELOCITY GRADIENT IN M/S (CALCULATED).

NOTE THAT ALL WIND DIRECTION MEAN (OR AVERAGE) DATA ARE A "RESULTANT" MEAN RATHER THAN A STRAIGHT ARITHMETIC MEAN. THE STATION DATA ARE FROM METEOROLOGICAL RECORDS WHICH ARE USUALLY TAKEN HOURLY.

CODE PRECIPITATION ----- GROUND CONDITION CODES ----- GROUND COVER ----- CODE

CODE	PRECIPITATION	GROUND SURFACE	VEGETATION	MOISTURE	CODE
0	NONE	HARD PACKED SOIL	BARE	DRY	0
1	LIGHT RAIN	PAVING	THIN GRASS, HT<0.1M	MET GROUND, MET GRASS	1
2	MEDIUM RAIN	SAND/GRAVEL	THIN GRASS, HT>0.1M	ICE	2
3	HEAVY RAIN	PLOWED SOIL	THICK GRASS, HT<0.1M	SNOW, DEPTH<0.02M	3
4	FREEZING RAIN	CALICHE	THICK GRASS, HT>0.1M	SNOW, DEPTH 0.02-.08M	4
5	HAUL	WATER (LAKE)	CROPS, HT<0.5M	SNOW, DEPTH 0.08-0.2M	5
6	FOG	ICE (LAKE)	CROPS, HT>0.5M	SNOW, DEPTH >0.2M	6
7	LIGHT SNOW	FROZED GROUND	SPARSE WOODS, HT<10M	DEW (DRY GROUND)	7
8	MEDIUM SNOW	CRUST ON SNOW	SPARSE WOODS, HT>10M	FROST	8
9	HEAVY SNOW		MOD WOODS , HT<10M	MET GROUND, DRY GRASS	9
10			MOD WOODS , HT>10M		10
11			DENSE WOODS, HT<10M		11
12			DENSE WOODS, HT>10M		12

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE A1

TEST NO.	DATE	START TIME HR-MN	TEMP DEG C			REL HUM X	WIND SPEED M/S			DIRECTION DEG	VECTOR M/S	BAR TEMP REL PRESS DEG HUM %			WIND M/S	DEG	SS	SD	SHU	
			T1	T2	T3		S1	S2	S3			S4	S1+2	D1						D2
AA-101-034	29 NOV 79	11 1	-4.1	-3.6	-3.1	58														
AA-101-036	06 DEC 79	11 14	2.9	3.0	3.2	93	2.0	.9		1.5	316	337	327	.1	.740	-2	93	1	330	.2
-037		15 15	3.7	3.7	3.8	86	2.2	2.9		2.6	223	238	230	-2.5	.738	-1	86	3	230	-2.6
AA-101-038	12 DEC 79	10 50	3.7	4.6	5.6	81	5.8	6.7		6.3	200	215	208	-5.8	.744	6	81	4	330	.8
-039		11 18	4.4	4.5	4.6	81	1.7	1.9		1.5	303	323	313	-2	.744	6	81	4	330	.8
-040		13 10	3.2	3.5	3.8	81	3.7	2.8		3.3	316	332	324	.2	.744	5	81	4	340	1.5
AA-101-041	13 DEC 79	11 30	.9	1.1	1.4	75	3.1	3.2		3.1	332	354	343	1.3	.745	2	75	3	360	2.0
AA-101-043	14 DEC 79	12 6	2.3	2.6	3.9	52	2.2	2.0		2.1	297	305	301	-6	.752	2	51	1	330	.2
AA-101-044	23 JAN 80	11 54	-7.8	-7.5	-7.0	43	4.9			4.9	250			-4.6	.733	-2	43	8	290	-4.0
AA-101-047	29 JAN 80	11 42	-7.2	-6.5	-5.8	45	5.3			5.3	257			-4.7	.749	-6	45	7	310	-1.0
-049		13 27	-6.5	-6.3	-5.1	45	3.2			3.2	280			-2.0	.748	-6	45	6	310	-9
AA-102-051		16 40	-7.0	-6.8	-6.4	53	3.9			3.9	313			.4	.748	-6	53	5	310	.8
AA-101-052	05 FEB 80	13 37	-2.9	-2.7	-2.3	54	3.6	3.5		3.5	128	118	123	1.0	.745	-2	54	5	140	-1
AA-101-054	13 FEB 80	11 26	-1.2	.8	-8	88	2.9	3.1		3.0	216	213	215	-2.9	.748	-6	88	4	170	-1.9
-055		11 53	-1.0	-1	1.0	58	3.7			3.7	223			-3.7	.748	-4	58	4	200	-3.2
-056		12 4	-9	.2	1.0	58	4.2			4.2	195			-3.5	.748	-4	58	5	200	-4.1
AA-102-057		14 43	1.0	2.6	3.3	44	4.4			4.4	209			4.1	.746	1	44	6	220	5.6
-058		14 51	1.5	2.3	2.8	44	3.5			3.5	218			3.4	.746	1	44	6	220	5.6
-059		15 15	1.4	2.4	3.4	40	3.7			3.7	224			3.7	.746	1	40	6	220	5.6
AA-101-060	14 FEB 80	9 54	1.9	1.7	1.3	55	2.8	2.7		2.7	233	230	231	-2.7	.747	2	55	3	260	-2.2
-061		11 9	2.0	2.3	2.3	60	3.4	2.3		2.9	240	266	253	-2.6	.747	2	60	3	270	-2.3
AA-101-065	20 FEB 80	11 19	3.7	4.0	3.9	93	1.2	1.1		1.1	167	165	166	-5	.735	4	93	0		.0
AA-102-067		13 11	4.4	4.7	4.6	93	1.2	1.4		1.3	163	179	171	.7	.735	4	93	2	210	1.5

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE B1

TEST NO.	DATE	START TIME	MR-NR	GRADIENTS		GENERAL CONDITIONS										
				AVE ALPHA	BETA	PRE	GROUND COVER	CIP	VEGE	MOIS	TURE	NUM-BER	AVE HT	MAX HT	BLDG/OBSTACLES	(ARRAY AVERAGE)
AA-101-034	29 NOV 79	11 11		-0.2	0.0	0	2	3	0	0	0	0	0	0	0	0
AA-101-035	06 DEC 79	11 14		-0.1	0.0	1	0	2	1	0	0	0	0	0	0	0
		15 15		0.0	0.0	1	0	2	1	0	0	0	0	0	0	0
AA-101-038	12 DEC 79	10 30		-0.4	0.0	0	0	2	0	0	0	0	0	0	0	0
		11 18		-0.1	0.0	1	0	2	1	0	0	0	0	0	0	0
		13 10		-0.1	0.0	0	0	2	1	0	0	0	0	0	0	0
AA-101-041	13 DEC 79	11 30		-0.1	0.0	0	0	2	1	0	0	0	0	0	0	0
AA-101-048	14 DEC 79	12 06		-0.3	0.0	0	0	2	0	0	0	0	0	0	0	0
AA-101-044	23 JAN 80	11 54		-0.1	0.0	0	0	2	3	0	0	0	0	0	0	0
AA-101-047	29 JAN 80	11 42		-0.2	0.0	0	0	2	0	0	0	0	0	0	0	0
		13 27		-0.2	0.0	0	0	2	0	0	0	0	0	0	0	0
AA-102-091		16 40		-0.1	0.0	0	0	2	0	0	0	0	0	0	0	0
AA-101-082	05 FEB 80	13 37		-0.1	0.0	0	0	2	0	0	0	0	0	0	0	0
AA-101-084	13 FEB 80	11 26		-0.1	0.0	0	0	2	4	0	0	0	0	0	0	0
		11 53		-0.4	0.0	0	0	2	4	0	0	0	0	0	0	0
		12 04		-0.3	0.0	0	0	2	4	0	0	0	0	0	0	0
AA-102-057		14 43		-0.4	0.0	0	0	2	4	0	0	0	0	0	0	0
		14 51		-0.2	0.0	0	0	2	4	0	0	0	0	0	0	0
		15 15		-0.4	0.0	0	0	2	4	0	0	0	0	0	0	0
AA-101-060	14 FEB 80	9 54		-0.1	0.0	0	0	2	3	0	0	0	0	0	0	0
		11 03		-0.1	0.0	0	0	2	3	0	0	0	0	0	0	0
AA-101-065	20 FEB 80	11 19		-0.1	0.0	1	0	2	1	0	0	0	0	0	0	0
AA-102-067		13 11		-0.1	0.0	1	0	2	1	0	0	0	0	0	0	0

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-SOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE C1

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

TEST NO.	DATE	START TIME	METEOROLOGICAL COMMENT
AA-101-034	29 NOV 79	11 1	OVERCAST
AA-101-036	06 DEC 79	11 14	HEAVY DARK CLOUDS , VERY SLIGHT RAIN FOR PAST HOUR
-037		15 15	OVERCAST , HEAVY CLOUDS
AA-101-038	12 DEC 79	10 50	SCATTERED CLOUDS
-039		11 10	MISTING, DARK HEAVY CLOUDS
-040		13 10	OVERCAST
AA-101-041	13 DEC 79	11 30	OVERCAST, READY TO RAIN
AA-101-043	14 DEC 79	12 6	CLEAR, BRIGHT SUNLIGHT
AA-101-044	23 JAN 80	11 54	SNOW ON GROUND, NO ACCUMULATION, OVERCAST, WINDS GUSTING TO 21 KTS
AA-101-047	29 JAN 80	11 42	SUNNY, 30x CLOUD COVER
-049		13 27	SUNNY, 10x CLOUD COVER, WINDS GUSTING TO 16 KTS
AA-102-051		16 40	SUNNY, 5x CLOUD COVER, WINDS GUSTING TO 15 KTS
AA-101-052	05 FEB 80	13 37	OVERCAST
AA-101-054	13 FEB 80	11 26	SUNNY, VERY THIN, HIGH CLOUDS
-055		11 53	SUNNY, VERY BRIGHT, HIGH CLOUDS
-056		12 4	SUNNY, VERY BRIGHT, HIGH CLOUDS
AA-102-057		14 43	BRIGHT, CLEAR, NO CLOUDS
-058		14 51	BRIGHT AND SUNNY, NO CLOUDS
-059		15 15	BRIGHT, SUNNY, NO CLOUDS
AA-101-060	14 FEB 80	9 54	CLOUDY, MAZY
-061		11 3	CLOUDY, MAZY
AA-101-065	20 FEB 80	11 19	OVERCAST, MISTY
AA-102-067		13 11	MISTY, OVERCAST, LOW CEILING

TABLE: METEOROLOGICAL DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 17.1  
 TEST AA-90B-081

PARAMETERS:  
 ALL DATA LISTED

DATE: 02 FEB 87  
 PAGE: A2

TEST NO.	DATE	START TIME	TEMP					REL HUM	AFANRL METEOROLOGICAL DATA					STATION METEOROLOGICAL DATA									
			T3	T2	T1	T0	T4		S1	S2	S3	S4	S1+2	AUG	D1	D2	AUD	MU	SBP	ST	SRH	SS	SD
AA-101-068	21 FEB 80	14 10	6.3	6.4	6.5	6.1	3.7	2.9	3.9	112	116	115	1.4	.737	7	81	4	120	1.3				
-069	14 13	6.4	6.6	6.6	6.1	3.9	4.0	4.0	112	113	113	1.8	.737	7	81	4	120	1.3					
AA-102-070		14 33	6.1	6.3	6.2	6.7	4.8	5.0	4.9	108	111	110	-2.4	.734	6	87	5	90	-3.9				
AA-102-071	22 FEB 80	14 48	7.6	7.9	7.8	8.1	6.1	4.9	5.5	220	238	229	5.5	.734	8	81	7	250	6.7				
-072	14 53	7.7	8.0	7.8	8.1	4.7	5.3	5.5	205	247	226	5.2	.734	8	81	7	250	6.7					
AA-101-073	27 FEB 80	11 57	.7	.6	1.2	3.5	4.9	5.0	5.0	250	276	263	-4.0	.738	1	55	9	290	-4.5				
AA-101-074	01 APR 80	11 3	6.0	6.6	6.5	9.3	1.9	2.8	2.4	202	198	200	-2.1	.743	7	93	1	240	-1.0				
-075	11 22	6.0	6.2	6.3	9.3	1.9	2.7	2.3	262	230	246	-2.2	.743	7	93	1	240	-1.0					
AA-101-076	03 APR 80	11 17	12.1	12.8	13.0	7.7	3.3	3.0	3.2	143	132	137	.1	.740	13	77	3	130	.5				
-077	14 12	14.8	15.3	15.4	8.2	3.2	2.6	2.9	183	91	112	1.1	.737	15	82	4	110	1.7					
AA-101-080	10 APR 80	9 39	3.1	3.3	3.3	10.0	3.4	5.2	4.3	255	219	237	-4.1	.735	5	100	7	260	-6.2				
-081	10 47	3.6	3.8	3.8	9.3	6.3	6.1	6.2	236	236	236	-6.1	.735	5	93	6	260	-5.3					
-082	11 47	5.6	6.1	6.5	8.7	5.0	5.5	5.2	225	220	223	-5.2	.735	6	87	6	270	-4.7					
-083	12 3	5.8	6.3	6.5	8.7	4.6	5.1	4.9	229	203	216	-4.6	.735	6	87	6	270	-4.7					
AA-101-087	11 APR 80	10 51	12.9	14.0	15.1	5.9	1.6	2.1	1.9	177	165	171	-1.0	.741	14	59	3	170	-1.6				
AA-101-088	16 APR 80	10 4	3.8	4.4	6.3	7.5	3.5	3.8	3.6	355	250	302	-7	.745	5	75	5	360	2.4				
AA-101-089	17 APR 80	11 23	10.2	10.9	12.3	4.9	.6	2.0	1.3	115	80	98	1.0	.748	10	43	3	100	1.9				
AA-101-090	18 APR 80	11 6	18.4	17.6	18.7	4.8	1.3	.7	1.0	281	204	242	-8	.747	15	48	2	210	-1.9				
AA-101-092	22 APR 80	11 2	20.7	22.4	23.4	3.8	5.5	4.9	5.2	207	210	209	-4.9	.740	21	38	8	230	-8.2				
AA-102-093		14 10	26.1	27.8	28.2	3.0	4.6	5.0	4.8	211	236	223	4.7	.737	26	30	8	230	8.2				
AA-101-094	06 MAY 80	14 33	22.2	22.8	25.0	2.7	2.0	3.3	2.7	318	9	343	1.3	.719	23	27	2	270	-1.6				
AA-101-095	06 MAY 80	10 26	9.9	9.7	12.1	3.7	3.8	3.3	3.5	335	309	322	.3	.738	10	37	1	360	.7				
AA-102-097		14 52	8.6	8.4	9.3	5.0	3.3	1.4	2.4	251	194	223	2.1	.739	11	50	5	310	.8				

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

PARAMETERS:  
ALL DATA LISTED

IDENTIFICATION:  
OMEGA 19.1  
TEST AA-B09-081

DATABASE:

DATE 02 FEB 87  
PAGE B2

TEST NO.	DATE	START TIME MR-MN	GRADIENTS M/S	GENERAL CONDITIONS				BLDG/OBSTACLES (ARRAY AVERAGE)					
				AVE ALPHA BETA	PRE	GROUND COVER	NUM- BER	AVE HT (M)	MAX HT (M)	VEGE- TION	MOIS- TURE		
AA-101-068	21 FEB 80	14 10	-1	0	2	1	0	0	0	0	0	0	0
-069		14 13	-1	0	2	1	0	0	0	0	0	0	0
AA-102-070		14 33	0	1	0	1	0	0	0	0	0	0	0
AA-102-071	22 FEB 80	14 48	-1	0	2	1	0	0	0	0	0	0	0
-072		14 53	0	0	2	1	0	0	0	0	0	0	0
AA-101-073	27 FEB 80	11 57	-1	0	2	4	0	0	0	0	0	0	0
AA-101-074	01 APR 80	11 3	-1	0	2	1	0	0	0	0	0	0	0
-075		11 22	-1	0	2	1	0	0	0	0	0	0	0
AA-101-076	03 APR 80	11 17	-2	0	2	0	0	0	0	0	0	0	0
-077		14 12	-1	0	2	1	0	0	0	0	0	0	0
AA-101-080	10 APR 80	9 39	-1	1	0	1	0	0	0	0	0	0	0
-081		10 47	-1	0	2	9	0	0	0	0	0	0	0
-082		11 47	-2	0	2	9	0	0	0	0	0	0	0
-083		12 3	-1	0	2	9	0	0	0	0	0	0	0
AA-101-087	11 APR 80	10 51	-4	0	2	0	0	0	0	0	0	0	0
AA-101-088	16 APR 80	10 4	-4	0	2	9	0	0	0	0	0	0	0
AA-101-089	17 APR 80	11 23	-4	0	2	9	0	0	0	0	0	0	0
AA-101-090	18 APR 80	11 6	-1	0	2	0	0	0	0	0	0	0	0
AA-101-092	22 APR 80	11 2	-5	0	2	0	0	0	0	0	0	0	0
AA-102-093		14 10	-4	0	2	0	0	0	0	0	0	0	0
AA-101-094	06 MAY 80	14 33	-5	0	2	0	0	0	0	0	0	0	0
AA-101-096	08 MAY 80	10 26	-4	0	2	0	0	0	0	0	0	0	0
AA-102-097		14 52	-1	1	0	2	1	0	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE C2

TEST NO. DATE START TIME METEOROLOGICAL COMMENT

LOG- STA/ARRAY- EVENT

AA-101-069 21 FEB 80 14 10 (HEAVY OVERCAST  
 -069 14 13 (CLOUDY

AA-102-070 14 33 (MISTING, WINDS GUSTING TO 20 KTS

AA-102-071 22 FEB 80 14 48 (OVERCAST, WINDS GUSTING TO 20 KTS

-072 14 53 (HEAVY OVERCAST, WINDS GUSTING TO 20 KTS

AA-101-073 27 FEB 80 11 57 (HEAVY OVERCAST, WINDS GUSTING TO 28 KTS

AA-101-074 01 APR 80 11 3 (HEAVY OVERCAST

-075 11 22 (HEAVY OVERCAST

AA-101-076 03 APR 80 11 17 (HEAVY OVERCAST

-077 14 12 (HEAVY OVERCAST

AA-101-080 10 APR 80 9 39 (HEAVY OVERCAST, MISTING TYPE RAIN

-081 10 47 (HEAVY OVERCAST, WINDS GUSTING TO 22 KTS

-082 11 47 (OVERCAST, WINDS GUSTING TO 19 KTS

-083 12 3 (WINDS GUSTING TO 19 KTS

AA-101-087 11 APR 80 10 51 (100% CLEAR

AA-101-088 16 APR 80 10 4 (95% CLEAR, WINDS GUSTING TO 25 KTS

AA-101-089 17 APR 80 11 23 (95% CLEAR

AA-101-090 18 APR 80 11 6 (100% CLEAR

AA-101-092 22 APR 80 11 2 (CLEAR

AA-102-073 14 10 (100% CLEAR

AA-101-094 06 MAY 80 14 33 (100% CLEAR

AA-101-096 08 MAY 80 10 26 (70% CLOUD COVER, SUN SHINING DURING TEST

AA-102-077 14 52 (HEAVY OVERCAST, LIGHT RAIN



TABLE: METEOROLOGICAL DATA  
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

PARAMETERS:  
ALL DATA LISTED

IDENTIFICATION:  
OMEGA 13.1  
TEST AA-80B-081  
DATABASE:  
DATE 02 FEB 87  
PAGE A3

		AFAMRL METEOROLOGICAL DATA										STATION METEOROLOGICAL DATA																			
TEST NO.	DATE	START TIME	MR-MN	TEMP			REL HUM X	WIND			DIRECTION	VECT			PRESS			WIND													
				T1	T2	T3		S1	S2	S3		S4	S1+2	D1	D2	DZ	MU	MHG	M/C	M/S	DEG	M/S	DEG	M/S	SD	SMU					
LOG-STA/ARRAY-EVENT																															
AA-101-098	09 MAY 80	10 40		11.6	12.5	14.3	35	2.0	1.9			2.0	260	294	277	-1.3	.741	13	35		3	290								-1.2	
-099		12 29		12.5	12.8	13.9	31	3.2	2.7			2.9	247	262	254	-2.6	.740	15	31		4	310								-1.6	
AA-102-100		14 34		15.9	16.1	17.3	27	1.4	2.9			2.1	251	226	239	2.1	.739	17	27		3	260								2.6	
AA-103-101	09 SEP 80	7 10		17.6	17.0	16.1	79	.1				.1	37		37	.1	.742	18	88		0									.0	
-103		7 24		17.8	17.2	16.4	83	.0				.0				.0	.742	18	88		0									.0	
-105		7 35		17.7	17.5	17.4	84	.0				.0				.0	.742	18	88		0									.0	
-107		7 45		17.9	17.7	17.5	84	.0				.0				.0	.742	18	88		0									.0	
-109		7 55		18.2	18.2	18.3	83	.0				.0				.0	.742	18	88		0									.0	
-111		12 26		26.9	27.4	28.0	69	3.4				3.4	202		202	-3.0	.742	29	62		5	220								-5.1	
-112		12 58		29.6	30.3	31.2	65	3.5				3.5	216		216	-3.4	.741	29	62		5	220								-5.1	
-114		13 10		29.5	31.0	32.7	65	4.0				4.0	210		210	-4.5	.741	29	62		5	220								-5.1	
-116		13 23		30.6	32.3	33.9	63	4.0				4.0	206		206	-3.7	.741	29	62		5	220								-5.1	
-118		13 37		30.6	32.0	33.6	64	3.2	2.6			3.2	217		217	-3.1	.740	30	59		7	240								-7.1	
-120		13 53		30.8	31.6	33.3	64	2.7	1.9			2.7	203		203	-2.5	.740	30	59		7	240								-7.1	
-122		14 8		30.9	32.1	33.4	63	4.3	3.2			4.3	207		207	-4.0	.740	30	59		7	240								-7.1	
AA-104-102		7 17		17.7	17.0	16.4	82	.3				.3	11		11	-.3	.742	18	88		0									.0	
-104		7 30		17.8	17.4	17.1	83	.0				.0				.0	.742	18	88		0									.0	
-106		7 40		17.9	17.5	17.4	84	.0				.0				.0	.742	18	88		0									.0	
-108		7 50		18.1	17.9	18.0	83	.0				.0				.0	.742	18	88		0									.0	
-110		8 1		18.3	18.5	18.5	83	.4				.4	33		33	-.4	.742	18	88		0									.0	
-113		13 4		20.1	21.2	22.8	65	4.3				4.3	202		202	3.8	.741	29	62		5	220								5.1	
-115		13 16		29.8	31.2	32.9	65	4.2				4.2	209		209	4.0	.741	29	62		5	220								5.1	
-117		13 29		29.9	30.1	31.4	64	2.7				2.7	208		208	2.5	.741	29	62		5	220								5.1	
-119		13 47		30.3	31.4	32.0	64	3.8	2.8			3.8	207		207	3.5	.740	30	59		7	240								7.1	
-121		14 3		30.8	32.0	33.2	62	4.0	2.9			4.0	207		207	3.8	.740	30	59		7	240								7.1	
-123		14 13		31.4	32.4	34.4	62	4.7	3.7			4.7	228		228	4.7	.740	30	59		7	240								7.1	
-124		15 18		31.0	31.7	32.9	62	4.5	3.2			4.5	225		225	4.5	.740	31	55		5	250								4.8	

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
OMEGA 19.1  
TEST AA-908-081  
DATE 02 FEB 67  
PAGE 83

PARAMETERS:  
ALL DATA LISTED

TEST NO.	DATE	START TIME	MR-RN	GRADIENTS	GENERAL CONDITIONS															
					AUE ALPH	AUE BETA	ALPHA BETA	PRE	GROUND COVER	VEGE	TATION	NUM-BER	AUE MT	MAX MT	BLDG/OBSTACLES					
AA-101-098	09 MAY 60	10 40																		
-099		12 29																		
AA-102-100		14 34																		
AA-103-101	09 SEP 60	7 10																		
-109		7 24																		
-105		7 35																		
-107		7 45																		
-109		7 55																		
-111		12 26																		
-112		12 38																		
-114		13 10																		
-116		13 23																		
-118		13 37																		
-120		13 53																		
-122		14 8																		
AA-104-102		7 17																		
-104		7 30																		
-106		7 40																		
-108		7 50																		
-110		8 1																		
-113		13 4																		
-115		13 16																		
-117		13 29																		
-119		13 47																		
-121		14 3																		
-123		14 13																		
-124		15 18																		

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE C3

PARAMETERS:  
ALL DATA LISTED

TEST NO.	DATE	START TIME	METEOROLOGICAL COMMENT
AA-101-098	09 MAY 80	10 40	(CLEAR, LITTLE WIND, DRY
-099		12 29	(50 % CLOUD COVER, WINDS GUSTING TO 15 KTS, DRY, NO SUN
AA-102-100		14 34	(60% OVERCAST, WINDS GUSTING TO 13 KTS, SUNNY DURING MEASUREMENTS
AA-103-101	09 SEP 80	7 10	(SUNRISE, DEN
-103		7 24	(DEM
-105		7 35	(DEM
-107		7 45	(DEM
-109		7 55	(DEM
-111		12 26	(HAZY, SCATTERED CLOUDS
-112		12 58	(HAZY, SCATTERED CLOUDS
-114		13 10	(SUN
-116		13 23	(HAZY SUN, SCATTERED CLOUDS
-118		13 37	(HAZY SUN, SCATTERED CLOUDS,
-120		13 53	(HAZY, SUN, SCATTERED CLOUDS
-122		14 0	(HAZY SUN, OVERCAST
AA-104-102		7 17	(DEM
-104		7 30	(DEM
-106		7 40	(DEM
-108		7 50	(DEM
-110		8 1	(
-113		13 4	(HAZY SUN, SCATTERED CLOUDS
-115		13 16	(HAZY SUN, SCATTERED CLOUDS
-117		13 29	(HAZY, SCATTERED CLOUDS
-119		13 47	(HAZY SUN, SCATTERED CLOUDS
-121		14 3	(HAZY SUN, OVERCAST
-123		14 13	(HAZY SUN, OVERCAST
-124		15 18	(95% OVERCAST, WIND GUSTING TO 15 KTS

TABLE: METEOROLOGICAL DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 QWESA 22.1  
 TEST AA-000-003

PARAMETERS:  
 ALL DATA LISTED

DATE OF FEB 67  
 PAGE 04

TEST NO.	DATE	START TIME	TEMP DEG C	RH (%)	WIND HIND	SPEED M/S	AFANAL METEOROLOGICAL DATA					STATION METEOROLOGICAL DATA							
							REL NUM	REL HUM	DIRECTION	VECTOR	BAR TEMP	REL	WIND	PRESS	DEG	MUM	M/S	DEG	M/S
							( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
AA-103-125	10 SEP 60	6 58	11.9	11.6	11.2	90	1.5	1.5	19	1.3	.744	12	02	1	10	.8	.8		
-127		7 11	11.0	11.6	11.2	90	1.6	1.6	19	1.4	.744	12	02	1	10	.8	.8		
-129		7 22	12.1	11.8	11.2	90	2.0	2.0	17	1.7	.744	12	02	1	10	.8	.8		
-131		7 33	12.4	12.2	12.3	90	1.5	1.5	20	1.3	.745	13	77	2	20	1.0	1.0		
-133		7 44	12.6	12.6	12.0	09	1.8	1.8	20	1.5	.745	13	77	2	20	1.0	1.0		
-135		13 0	20.7	21.2	23.5	64	1.7	1.7	04	1.4	.745	21	43	2	30	1.5	1.5		
-137		13 10	21.7	22.6	24.7	65	1.6	1.6	42	1.6	.745	21	43	2	30	1.5	1.5		
-139		13 19	21.4	22.2	24.1	65	.9	.9	357	.6	.745	21	43	2	30	1.5	1.5		
-141		13 29	21.1	22.2	24.2	64	2.4	2.4	0	1.6	.745	21	43	2	30	1.5	1.5		
-143		13 44	21.7	22.6	25.1	65	2.0	2.0	324	.2	.745	21	43	2	30	1.5	1.5		
AA-104-126		7 4	11.8	11.6	11.2	90	1.9	1.9	18	1.7	.744	12	02	1	10	.8	.8		
-128		7 16	11.8	11.6	11.1	90	1.4	1.4	14	1.4	.744	12	02	1	10	.8	.8		
-130		7 28	12.2	12.1	11.9	90	1.9	1.9	20	1.6	.744	12	02	1	10	.8	.8		
-132		7 39	12.5	12.4	12.6	90	1.9	1.9	23	1.7	.745	13	77	2	20	1.0	1.0		
-134		7 50	12.7	12.7	12.9	09	2.0	2.0	13	1.6	.745	13	77	2	20	1.0	1.0		
-136		13 4	21.0	23.4	24.8	65	3.3	3.3	35	3.3	.745	21	43	2	30	1.5	1.5		
-138		13 14	20.4	22.2	24.4	64	3.2	3.2	335	.9	.745	21	43	2	30	1.5	1.5		
-140		13 24	21.7	23.1	25.8	65	1.9	1.9	30	1.8	.745	21	43	2	30	1.5	1.5		
-142		13 36	21.2	23.1	25.1	64	1.8	1.8	48	1.8	.745	21	43	2	30	1.5	1.5		
-144		13 49	21.8	22.8	25.1	64	2.5	2.5	345	1.1	.745	21	43	2	30	1.5	1.5		
AA-103-145	16 SEP 60	7 19	13.5	12.4	11.8	100	.8	.4	76	.7	.738	14	08	0	0	.0	.0		
-147		7 34	13.4	12.4	11.1	100	.4	.0	20	.4	.738	14	08	0	0	.0	.0		
-149		7 47	13.8	13.9	13.1	100	.0	.0	0	.0	.738	14	08	0	0	.0	.0		
-151		8 0	14.8	14.7	14.8	100	.0	.0	0	.0	.738	14	08	0	0	.0	.0		
-153		8 12	15.8	16.1	16.3	100	.0	.0	0	.0	.738	14	08	0	0	.0	.0		
-155		13 12	19.6	19.8	19.4	96	1.9	1.5	188	1.4	.737	20	78	3	100	2.4	2.4		
-156		13 21	19.6	19.7	20.1	96	2.2	1.7	200	1.9	.737	20	78	3	100	2.0	2.0		
-158		13 49	18.9	19.3	19.7	96	2.2	1.9	191	1.7	.737	21	78	3	100	2.0	2.0		
-159		13 51	19.1	19.9	19.9	96	2.6	2.1	191	2.1	.737	21	78	3	100	2.0	2.0		
-160		13 54	19.7	19.7	20.1	95	2.3	2.0	188	1.7	.738	21	78	3	100	2.0	2.0		
AA-104-157		13 42	18.8	18.9	19.2	97	2.4	2.0	197	2.0	.737	21	78	3	100	2.0	2.0		
-161		14 8	20.5	21.3	21.5	94	3.1	2.4	177	1.9	.738	21	78	3	100	2.0	2.0		
-162		14 11	20.6	21.1	21.3	92	4.3	3.2	183	3.0	.738	21	78	3	100	2.0	2.0		
-163		14 13	20.7	21.3	21.5	93	2.8	2.5	190	2.2	.738	21	78	3	100	2.0	2.0		

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
OMEGA 13.1  
TEST AA-808-081

PARAMETERS:  
ALL DATA LISTED

DATABASE:  
DATE 02 FEB 87  
PAGE B4

TEST NO.	DATE	START TIME	HR-MN	GRADIENTS		M/S	GENERAL CONDITIONS										
				AVE ALPHA	BETA		PRE		GROUND COVER		BLDG/OBSTACLES		NUM-BER	AVE HT	MAX HT		
							ALPHA	BETA	VEGE-TATION	MOIS-TURE	ARRAY AVERAGE						
AA-103-125	10 SEP 80	6 58		.2			0	0	2	7	0	0	0	0	0	0	0
-127		7 11		.1			0	0	2	7	0	0	0	0	0	0	0
-129		7 22		.2			0	0	2	7	0	0	0	0	0	0	0
-131		7 33		.0			0	0	2	7	0	0	0	0	0	0	0
-133		7 44		.1			0	0	2	7	0	0	0	0	0	0	0
-135		13 0		.7			0	0	2	0	0	0	0	0	0	0	0
-137		13 10		.7			0	0	2	0	0	0	0	0	0	0	0
-139		13 19		.6			0	0	2	0	0	0	0	0	0	0	0
-141		13 29		.7			0	0	2	0	0	0	0	0	0	0	0
-143		13 44		.8			0	0	2	0	0	0	0	0	0	0	0
AA-104-126		7 4		.1			0	0	2	7	0	0	0	0	0	0	0
-128		7 16		.2			0	0	2	7	0	0	0	0	0	0	0
-130		7 28		.1			0	0	2	7	0	0	0	0	0	0	0
-132		7 39		.1			0	0	2	7	0	0	0	0	0	0	0
-134		7 50		.1			0	0	2	7	0	0	0	0	0	0	0
-136		13 4		.8			0	0	2	0	0	0	0	0	0	0	0
-138		13 14		.8			0	0	2	0	0	0	0	0	0	0	0
-140		13 24		.9			0	0	2	0	0	0	0	0	0	0	0
-142		13 36		.8			0	0	2	0	0	0	0	0	0	0	0
-144		13 49		.7			0	0	2	0	0	0	0	0	0	0	0
AA-103-145	16 SEP 80	7 19		.4		.8	0	0	2	7	0	0	0	0	0	0	0
-147		7 34		.5			0	0	2	7	0	0	0	0	0	0	0
-149		7 47		.2			0	0	2	7	0	0	0	0	0	0	0
-151		8 0		.0			0	0	2	7	0	0	0	0	0	0	0
-153		8 12		.0			0	0	2	7	0	0	0	0	0	0	0
-155		13 12		.1			1	0	2	1	0	0	0	0	0	0	0
-156		13 21		.1			1	0	2	1	0	0	0	0	0	0	0
-158		13 49		.2			1	0	2	1	0	0	0	0	0	0	0
-159		13 51		.2			1	0	2	1	0	0	0	0	0	0	0
-160		13 54		.1			1	0	2	1	0	0	0	0	0	0	0
AA-104-157		13 42		.1		.4	1	0	2	1	0	0	0	0	0	0	0
-161		14 8		.2		.3	0	0	2	1	0	0	0	0	0	0	0
-162		14 11		.1		.7	0	0	2	1	0	0	0	0	0	0	0
-163		14 13		.2		.1	0	0	2	1	0	0	0	0	0	0	0

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BDB-081

DATABASE:

DATE 02 FEB 87  
 PAGE C4

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

PARAMETERS:  
 ALL DATA LISTED

TEST NO.	DATE	START TIME	METEOROLOGICAL COMMENT
AA-103-125	10 SEP 80	6 58	(CLEAR SKY, SUNRISE
-127		7 11	(CLEAR SKIES
-129		7 22	(CLEAR SKIES, BEAUTIFUL DAY
-131		7 33	(CLEAR SKIES
-133		7 44	(CLEAR SKIES
-136		13 0	(95 X CLEAR
-137		13 10	(95 X CLEAR
-139		13 19	(95 X CLEAR
-141		13 29	(100 X CLEAR
-143		13 44	(100 X CLEAR
AA-104-126		7 4	(CLEAR SKIES
-128		7 16	(CLEAR SKIES
-130		7 28	(CLEAR SKIES, BEAUTIFUL DAY
-132		7 39	(CLEAR SKIES
-134		7 50	(CLEAR SKIES
-136		13 4	(95 X CLEAR
-138		13 14	(95 X CLEAR
-140		13 24	(100 X CLEAR
-142		13 36	(100 X CLEAR
-144		13 49	(100 X CLEAR
AA-103-145	16 SEP 80	7 19	(
-147		7 34	(
-149		7 47	(NO WIND, SLIGHT GROUND FOG
-151		8 0	(CLEAR SKIES, STILL SOME GROUND FOG
-153		8 12	(
-155		13 12	(LIGHT RAIN
-156		13 21	(
-158		13 49	(LIGHT RAIN
-159		13 51	(LIGHT RAIN
-160		13 54	(VERY LIGHT RAIN
AA-104-157		13 42	(LIGHT RAIN
-161		14 8	(OVERCAST
-162		14 11	(OVERCAST
-163		14 13	(OVERCAST, QUIT RAINING

TABLE: METEOROLOGICAL DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
IDENTIFICATION: OMEGA 13.1  
TEST AA-BOB-081  
PARAMETERS:  
ALL DATA LISTED  
DATABASE:  
DATE 02 FEB 87  
PAGE 85

TEST NO.	DATE	START TIME HR-MN	TEMP DEG C	T1	T2	T3	RH (%)	S1	S2	S3	S4	AFAMRL METEOROLOGICAL DATA			STATION METEOROLOGICAL DATA				
												REL HUM (%)	WIND	VECT	BAR	TEMP	REL	WIND	M/HG
LOG-STA/ARRAY-EVENT											AUG	DIR	WU	SS	SD	SMU			
										M/S	D1	D2	AUG	D1	D2	AUG			
AA-108-146	16 SEP 80	7 28	13.3	12.0	11.0	88	4	69	0	4	69	69	-3	738	14	88	0	-4.9	
-148		7 40	13.8	13.4	12.3	88	0	0	0	0	0	0	0	738	14	88	0	-4.9	
-150		7 53	14.6	14.0	14.5	88	0	0	0	0	0	0	0	738	14	88	0	-4.9	
-152		8 6	15.2	15.0	15.1	88	0	0	0	0	0	0	0	738	14	88	0	-4.9	
-154		8 21	15.8	16.5	17.1	88	0	0	0	0	0	0	0	738	14	88	0	-4.9	
AA-109-164	17 SEP 80	7 5	18.5	18.3	16.5	100	4.7	177	3.8	4.7	177	177	-2.9	732	19	83	5	210	
-165		7 12	18.6	18.4	18.3	100	4.7	181	3.8	4.7	181	181	-3.2	732	19	83	5	210	
-166		7 20	18.5	18.4	18.3	100	3.6	193	3.0	3.6	193	193	-2.9	732	19	83	5	210	
-170		7 44	18.7	18.4	18.4	100	4.1	222	3.0	4.1	222	222	-4.0	734	19	83	5	270	
-171		7 47	18.5	18.5	18.3	100	3.8	231	2.7	3.8	231	231	-3.8	734	19	83	5	270	
-175		13 12	12.8	13.0	13.4	100	5.5	355	4.3	5.5	355	355	3.2	737	14	88	5	350	
-176		13 22	13.1	13.3	13.2	100	4.2	349	3.4	4.2	349	349	2.1	737	14	88	5	350	
-177		13 24	13.0	13.5	13.3	100	5.5	353	4.1	5.5	353	353	3.1	737	14	88	5	350	
-178		13 28	13.2	13.5	13.5	100	3.9	343	3.2	3.9	343	343	1.6	737	14	88	5	350	
-179		13 34	13.4	13.8	13.9	100	3.3	335	2.8	3.3	335	335	.9	738	14	82	4	350	
AA-108-167		7 27	18.3	18.2	18.2	100	3.9	191	3.3	3.9	191	191	3.1	732	19	83	5	210	
-168		7 30	18.2	18.3	18.2	100	3.3	186	2.7	3.3	186	186	2.4	734	19	83	5	270	
-169		7 33	18.4	18.3	18.2	100	4.3	188	3.5	4.3	188	188	3.2	734	19	83	5	270	
-172		8 4	18.6	18.4	18.3	100	3.9	231	2.7	3.9	231	231	3.9	734	19	83	5	270	
-173		8 23	18.7	18.6	18.5	100	5.3	223	4.1	5.3	223	223	5.3	734	19	83	5	270	
-174		8 27	18.8	18.6	18.6	100	5.1	225	3.6	5.1	225	225	5.0	734	19	83	5	270	
-180		13 51	13.5	13.6	13.8	100	2.7	343	2.4	2.7	343	343	-1.1	738	14	82	4	350	
-181		14 2	14.0	14.3	14.7	96	2.6	355	2.1	2.6	355	355	-1.5	738	14	82	4	350	
-182		14 4	13.8	14.0	14.5	96	3.4	356	2.7	3.4	356	356	-2.0	738	14	82	4	350	
-183		14 6	13.8	13.9	14.4	95	4.1	355	3.0	4.1	355	355	-2.4	738	14	82	4	350	
-185		14 8	14.2	14.3	14.4	95	3.5	347	2.9	3.5	347	347	-1.6	738	14	82	4	350	
-186		14 13	14.0	14.5	15.0	94	3.9	355	3.2	3.9	355	355	-2.3	738	14	82	4	350	
-187		14 14	13.8	13.9	14.5	94	4.3	355	3.4	4.3	355	355	-2.5	738	14	82	4	350	

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION  
OREGON 18/1  
TEST AA-800-001  
DATABASE:  
DATE 02 FEB 87  
PAGE 80

PARAMETERS:  
ALL DATA LISTED

TEST NO.	DATE	START TIME HR-MN	GRADIENTS			GENERAL CONDITIONS												
			RUE ALPHA BETA	AUE ALPHA	CIP-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-	-GROUND COMBITIONS-
AA-108-146	16 SEP 80	7 28	.5			0	0	2	7	7	0	0	0	0	0	0	0	0
-148		7 40	.4			0	0	2	7	7	0	0	0	0	0	0	0	0
-150		7 53	.0			0	0	2	7	7	0	0	0	0	0	0	0	0
-152		8 6	.0			0	0	2	7	7	0	0	0	0	0	0	0	0
-154		8 21	.3			0	0	2	7	7	0	0	0	0	0	0	0	0
AA-103-164	17 SEP 80	7 51	.0	.7	-.7	1	0	2	1	1	0	0	0	0	0	0	0	0
-166		7 12	.1	-.8	-.7	1	0	2	1	1	0	0	0	0	0	0	0	0
-166		7 20	.1	-.5	-.5	1	0	2	1	1	0	0	0	0	0	0	0	0
-170		7 44	.1	-1.3	-1.2	1	0	2	1	1	0	0	0	0	0	0	0	0
-171		7 47	.1	-1.4	-1.4	1	0	2	1	1	0	0	0	0	0	0	0	0
-173		13 12	.1	.9	.8	1	0	2	1	1	0	0	0	0	0	0	0	0
-176		13 22	.0	.5	.5	1	0	2	1	1	0	0	0	0	0	0	0	0
-177		13 24	-.1	1.0	1.0	1	0	2	1	1	0	0	0	0	0	0	0	0
-178		13 28	-.1	.4	-.3	0	0	2	1	1	0	0	0	0	0	0	0	0
-179		13 34	-.1	.2	-.1	0	0	2	1	1	0	0	0	0	0	0	0	0
AA-104-167		7 27	.0	.6	.6	1	0	2	1	1	0	0	0	0	0	0	0	0
-168		7 38	.0	.6	.6	1	0	2	1	1	0	0	0	0	0	0	0	0
-169		7 33	.1	.7	.8	1	0	2	1	1	0	0	0	0	0	0	0	0
-172		8 4	.1	1.5	1.6	1	0	2	1	1	0	0	0	0	0	0	0	0
-173		8 23	.1	1.5	1.5	1	0	2	1	1	0	0	0	0	0	0	0	0
-174		8 27	.1	1.8	1.9	1	0	2	1	1	0	0	0	0	0	0	0	0
-180		13 51	-.1	-.2	-.2	1	0	2	1	1	0	0	0	0	0	0	0	0
-181		14 2	-.2	-.4	-.5	0	0	2	1	1	0	0	0	0	0	0	0	0
-182		14 4	-.2	-.5	-.7	0	0	2	1	1	0	0	0	0	0	0	0	0
-183		14 6	-.1	-.8	-.9	0	0	2	1	1	0	0	0	0	0	0	0	0
-185		14 8	-.1	-.4	-.4	0	0	2	1	1	0	0	0	0	0	0	0	0
-186		14 13	-.2	-.5	-.7	0	0	2	1	1	0	0	0	0	0	0	0	0
-187		14 14	-.2	-.6	-.8	0	0	2	1	1	0	0	0	0	0	0	0	0



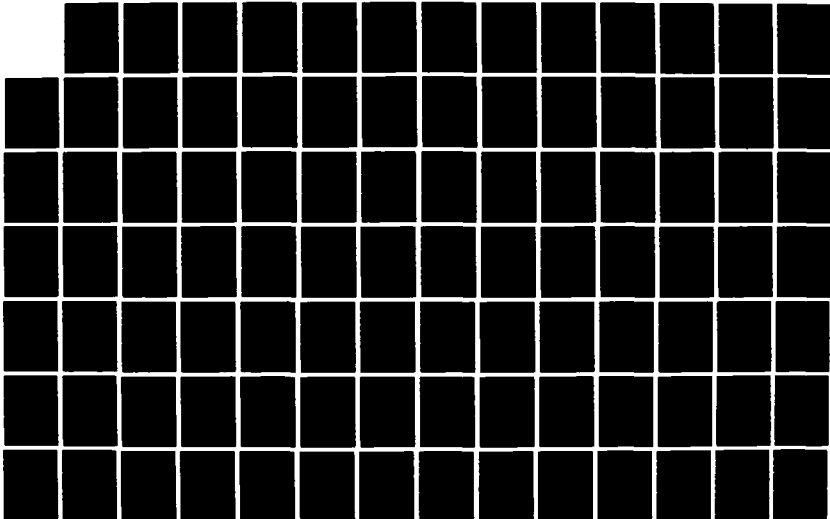
NO-A191 209

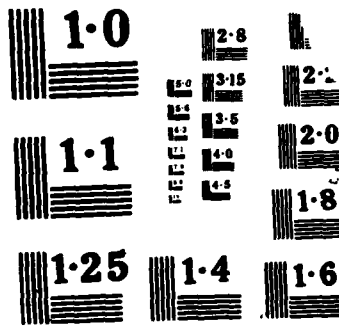
OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1  
EXPERIMENTAL STUDY FOR (U) HARRY G ARMSTRONG AEROSPACE  
MEDICAL RESEARCH LAB WRIGHT-PATTE. R G PONELL JUN 87  
AMRL-TR-84-617-VOL-1 F/G 20/1

6/0

UNCLASSIFIED

NL





IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-001

DATE 02 FEB 87  
 PAGE CS

PARAMETERS:  
 ALL DATA LISTED

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

DATABASE:

TEST NO. DATE START TIME MR-MN METEOROLOGICAL COMMENT

LOG- STA/ARRAY- EVENT

AA-100-146 16 SEP 80 7 28 (VERY SLIGHT GROUND FOG AROUND PERIMETER OF FIELD

-148 7 40 (SLIGHT GROUND FOG

-150 7 53 (SLIGHT GROUND FOG

-152 8 6 (SLIGHT GROUND FOG

-154 8 21 (SLIGHT GROUND FOG

AA-103-164 17 SEP 80 7 5 (LIGHT RAIN

-165 7 12 (LIGHT RAIN

-166 7 20 (LIGHT RAIN

-170 7 44 (LIGHT RAIN, HEAVY CLOUDS

-171 7 47 (LIGHT RAIN, HEAVY CLOUDS

-175 13 12 (LIGHT RAIN & FOG

-176 13 22 (LIGHT RAIN

-177 13 24 (LIGHT RAIN

-178 13 28 (QUIET RAINING

-179 13 34 (HEAVY CLOUDS, NO MIST

AA-104-167 7 27 (LIGHT RAIN HEAVY CLOUDS

-168 7 30 (LIGHT RAIN

-169 7 33 (LIGHT RAIN

-172 8 4 (LIGHT RAIN, HEAVY LOW CLOUDS

-173 8 23 (HEAVY CLOUDS, LIGHT RAIN

-174 8 27 (LIGHT RAIN

-180 13 51 (FINE RAIN, LOW CLOUDS

-181 14 2 (

-182 14 4 (

-188 14 6 (

-189 14 8 (

-185 14 13 (

-187 14 14 (

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION: OREGON 13.1  
 TEST AA-200-001

DATABASE:

ALL DATA LISTED

DATE 02 FEB 67  
 PAGE 16

AFAPRL METEOROLOGICAL DATA

STATION METEOROLOGICAL DATA

TEST NO.	DATE	START TIME (HR-MN)	TEMP DEG C			REL HUM %	WIND DIR (M/S)	WIND SPOD (M/S)	WIND DIR (DEG)	WIND VECT (M/S)	WIND PRESS (MMHG)	BAR TEMP REL (M/S)	WIND DIR (M/S)	WIND SPOD (M/S)
			T1	T2	T3									
AA-103-188	19 SEP 60	7 1	9.6	9.3	0.0	95	0.1	3	3	0.0	745	12 02	0	0
-189		7 3	9.7	9.7	0.2	95	0.0			0.0	745	12 02	0	0
-192		7 21	9.8	9.4	0.0	96	0.8	218	218	0.5	745	12 02	0	0
-193		7 23	9.8	9.6	0.1	95	0.0			0.0	745	12 02	0	0
-194		7 25	9.8	9.3	0.4	95	0.0			0.0	745	12 02	0	0
-200		7 32	10.3	8.2	0.1	95				0.0	745	11 07	0	0
-201		7 34	10.8	8.6	0.4	95				0.0	745	11 07	0	0
-202		7 36	11.0	9.6	0.7	95				0.0	745	11 07	0	0
-203		7 38	11.0	9.9	0.7	94				0.0	745	11 07	0	0
-204		8 0	11.0	9.8	0.7	94				0.0	745	11 07	0	0
-205		8 2	11.2	10.1	0.5	94	0.5	88	88	0.0	745	11 07	0	0
-205		8 14	11.7	12.2	10.9	96	0.0			0.0	745	11 07	0	0
-207		12 53	19.7	20.9	22.4	73	1.6	48	48	1.1	746	21 50	3	0
-208		12 55	20.1	21.6	23.1	74	1.3	61	61	1.4	746	24 50	3	0
-208		12 57	20.7	21.7	24.0	70	0.0			0.0	745	24 50	3	0
-210		12 59	20.2	21.8	23.8	70	1.0	51	51	0.9	745	24 50	3	0
AA-104-190		7 12	9.8	9.6	0.2	96	0.5	24	24	0.5	746	12 02	0	0
-191		7 14	9.8	9.5	0.1	96	0.0			0.0	746	12 02	0	0
-195		7 28	10.1	8.3	7.0	94				0.0	745	11 07	0	0
-196		7 39	10.1	8.5	7.1	94				0.0	745	11 07	0	0
-197		7 42	10.0	8.8	7.2	94				0.0	745	11 07	0	0
-198		7 44	10.1	8.9	7.4	94				0.0	745	11 07	0	0
-199		7 46	10.2	9.2	7.5	95				0.0	745	11 07	0	0
-211		13 16	21.8	23.0	24.7	68	0.4	305	305	0.4	745	24 50	3	0
-212		13 21	21.4	23.4	24.8	68	0.3	44	44	0.1	745	24 50	3	0
-213		13 35	21.4	22.0	24.8	68	1.3	311	311	1.2	745	26 42	3	200

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-90B-081

PARAMETERS:  
 ALL DATA LISTED

DATE 02 FEB 87  
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TEST NO.	DATE	START TIME HR-MN	GRADIENTS		GENERAL CONDITIONS		BLDG/OBSTACLES			
			AVE ALPHA	AVE BETA	PRE	GROUND COVER	NUM- BER	AVE HT (M)	MAX HT (M)	
AA-103-188	19 SEP 80	7 1	.4		0	0	0	0	0	0
-189		7 3	.4		0	0	0	0	0	0
-192		7 21	.4	-.3	.2	0	0	0	0	0
-193		7 23	.4		0	0	0	0	0	0
-194		7 25	.3		0	0	0	0	0	0
-200		7 52	.4		0	0	0	0	0	0
-201		7 54	.5		0	0	0	0	0	0
-202		7 56	.5		0	0	0	0	0	0
-203		7 58	.5		0	0	0	0	0	0
-204		8 0	.5		0	0	0	0	0	0
-205		8 2	.4		0	0	0	0	0	0
-206		8 14	.2		0	0	0	0	0	0
-207		12 53	-.6	.7	.1	0	0	0	0	0
-208		12 55	-.7		0	0	0	0	0	0
-209		12 57	-.7		0	0	0	0	0	0
-210		12 59	-.8	.1	-.7	0	0	0	0	0
AA-104-190		7 12	.4	.0	.4	0	0	0	0	0
-191		7 14	.4		0	0	0	0	0	0
-195		7 33	.7		0	0	0	0	0	0
-196		7 39	.6		0	0	0	0	0	0
-197		7 42	.6		0	0	0	0	0	0
-198		7 44	.6		0	0	0	0	0	0
-199		7 46	.6		0	0	0	0	0	0
-211		13 16	-.6	.0	-.6	0	0	0	0	0
-212		13 21	-.7	-.2	-1.0	0	0	0	0	0
-213		13 35	-.8	.0	-.8	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-808-081  
 DATABASE:  
 DATE 02 FEB 67  
 PAGE 06

PARAMETERS:  
 ALL DATA LISTED

TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-103-189	19 SEP 60	7 1	(LIGHT GROUND FOG
-189		7 3	(LIGHT GROUND FOG
-192		7 21	(LIGHT GROUND FOG
-193		7 23	(
-194		7 25	(
-200		7 52	(
-201		7 54	(
-202		7 56	(
-203		7 58	(
-204		8 0	(
-205		8 2	(
-206		8 14	(
-207		12 53	(
-208		12 55	(
-209		12 57	(
-210		12 59	(

LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-104-190		7 12	(DRAIN, LIGHT GROUND FOG
-191		7 14	(LIGHT GROUND FOG
-195		7 33	(LIGHT GROUND FOG
-196		7 39	(
-197		7 42	(
-199		7 44	(
-199		7 46	(
-211		13 16	(
-212		13 21	(
-213		13 25	(

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-208-081  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE 17

TEST NO.	DATE	START TIME	TEMP DEG C			REL HUM %	WIND			SPEED			DIRECTION			VECTOR			PRESS			M/S		
			T1	T2	T3		S1	S2	S3	S4	S1+2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13
AA-103-214	23 SEP 80	7 0	13.0	13.8	13.5	74	2.8	2.5	2.8	0	0	0	0	1.9	.740	14	02	4	0	2.7				
-215		7 10	13.0	13.7	13.4	75	2.9	2.3	2.9	356	356	356	356	1.7	.740	14	02	4	0	2.7				
-216		7 12	13.8	13.8	13.5	75	2.8	2.2	2.8	358	358	358	358	1.8	.740	14	02	4	0	2.7				
-220		7 33	13.6	13.6	13.3	76	2.6	2.0	2.6	356	356	356	356	1.6	.740	14	02	4	0	2.7				
-221		7 35	13.6	13.6	13.3	76	3.2	2.3	3.2	359	359	359	359	2.0	.741	14	02	3	0	1.7				
AA-104-217		7 21	13.7	13.7	13.4	75	2.1	1.7	2.1	356	356	356	356	-1.3	.740	14	02	4	0	-2.7				
-218		7 23	13.7	13.7	13.3	75	2.3	2.0	2.3	356	356	356	356	-1.4	.740	14	02	4	0	-2.7				
-219		7 24	13.7	13.6	13.3	75	2.5	2.1	2.5	360	360	360	360	-1.7	.740	14	02	4	0	-2.7				
-222		7 41	13.6	13.6	13.4	76	3.5	2.8	3.5	9	9	9	9	-2.7	.741	14	02	3	0	-1.7				
-223		7 43	13.6	13.6	13.5	76	2.9	2.2	2.9	360	360	360	360	-1.9	.741	14	02	3	0	-1.7				
-224		7 46	13.6	13.6	13.4	76	1.9	1.4	1.9	357	357	357	357	-1.2	.741	14	02	3	0	-1.7				
AA-103-235	24 SEP 80	6 59	9.9	9.4	8.6	82	.8	.4	.8	0	0	0	0	.6	.742	9	87	0	0	.0				
-236		7 1	9.9	9.1	8.2	82	.8	.6	.8	14	14	14	14	.7	.742	9	87	0	0	.0				
-237		7 3	9.9	9.1	8.1	82	1.1	.6	1.1	0	0	0	0	.7	.742	9	87	0	0	.0				
-238		7 4	10.0	9.0	8.2	82	1.2	.8	1.2	36	36	36	36	1.2	.742	9	87	0	0	.0				
-243		7 24	9.8	9.4	8.7	83	1.4	1.1	1.4	31	31	31	31	1.3	.742	9	87	0	0	.0				
-244		7 26	9.6	9.5	8.7	83	1.1	.7	1.1	0	0	0	0	.7	.742	9	87	0	0	.0				
-245		7 27	9.9	9.4	8.7	83	.7	.3	.7	41	41	41	41	.7	.742	9	87	0	0	.0				
-246		7 29	10.2	9.3	8.6	83	1.1	.7	1.1	47	47	47	47	1.1	.742	10	02	0	0	.0				
-247		7 31	10.1	9.2	8.6	83	1.2	.8	1.2	26	26	26	26	1.1	.742	10	02	0	0	.0				
-248		7 32	9.9	9.2	8.5	83	.5	.2	.5	25	25	25	25	.5	.742	10	02	0	0	.0				
-257		15 0	21.2	22.0	23.3	67	1.7	.2	1.7	56	56	56	56	1.7	.741	20	46	0	0	.0				
-258		15 1	21.0	21.5	22.7	67	2.1	.2	2.1	64	64	64	64	2.1	.741	20	46	0	0	.0				
-259		15 3	21.4	22.2	23.2	67	2.0	.2	2.0	101	101	101	101	1.2	.741	20	46	0	0	.0				
-260		15 4	21.3	22.1	23.3	67	2.1	.2	2.1	107	107	107	107	1.1	.741	20	46	0	0	.0				
-261		15 6	22.1	22.7	24.8	67	1.4	.2	1.4	106	106	106	106	.8	.741	20	46	0	0	.0				

IDENTIFICATION:  
 ) OMEGA 13.1  
 ) TEST AA-008-001

PARAMETERS:  
 ) DATABASE:  
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 )  
 ) DATE OF FEB 87  
 ) PAGE BY

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

ALL DATA LISTED

TEST NO.	DATE	START TIME HR-MN	GRADIENTS		GENERAL CONDITIONS										
			AVE ALPHA	BETA	PRE	GROUND COVER	BLDG/OBSTACLES	NUM- AVE	MAX HT	NUM- AVE	MAX HT	NUM- AVE	MAX HT	NUM- AVE	MAX HT
AA-103-214	23 SEP 80	7 8	.1	.3	.4	0	0	2	7	0	0	0	0	0	0
-215		7 10	.1	.4	.5	0	0	2	7	0	0	0	0	0	0
-216		7 12	.1	.5	.5	0	0	2	7	0	0	0	0	0	0
-220		7 33	.1	.5	.6	0	0	2	7	0	0	0	0	0	0
-221		7 35	.1	.7	.8	0	0	2	7	0	0	0	0	0	0
AA-104-217		7 21	.1	.4	.9	0	0	2	7	0	0	0	0	0	0
-218		7 23	.1	.2	.1	0	0	2	7	0	0	0	0	0	0
-219		7 24	.1	.4	.3	0	0	2	7	0	0	0	0	0	0
-222		7 41	.1	.7	.6	0	0	2	7	0	0	0	0	0	0
-223		7 43	.1	.6	.6	0	0	2	7	0	0	0	0	0	0
-224		7 45	.1	.3	.3	0	0	2	7	0	0	0	0	0	0
AA-103-225	24 SEP 80	6 59	.3	.4	.6	0	0	2	7	0	0	0	0	0	0
-226		7 1	.4	.3	.6	0	0	2	7	0	0	0	0	0	0
-237		7 3	.4	.4	.8	0	0	2	7	0	0	0	0	0	0
-238		7 4	.4	.5	.9	0	0	2	7	0	0	0	0	0	0
-243		7 24	.2	.4	.6	0	0	2	7	0	0	0	0	0	0
-244		7 26	.2	.3	.5	0	0	2	7	0	0	0	0	0	0
-245		7 27	.2	.5	.7	0	0	2	7	0	0	0	0	0	0
-246		7 29	.4	.5	.9	0	0	2	7	0	0	0	0	0	0
-247		7 31	.3	.4	.7	0	0	2	7	0	0	0	0	0	0
-248		7 32	.3	.4	.7	0	0	2	7	0	0	0	0	0	0
-257		15 0	.5	.5	.7	0	0	2	7	0	0	0	0	0	0
-258		15 1	.4	.4	.6	0	0	2	7	0	0	0	0	0	0
-259		15 3	.3	.3	.5	0	0	2	7	0	0	0	0	0	0
-260		15 4	.4	.4	.6	0	0	2	7	0	0	0	0	0	0
-261		15 6	.6	.6	.8	0	0	2	7	0	0	0	0	0	0



TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-001

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE C7

TEST NO. DATE START TIME METEOROLOGICAL  
 HR-MN COMMENT

LOG- STA/ARRAY- EVENT

AA-103-214 23 SEP 80 7 8 (LIGHT CLOUDS  
 -215 7 10 (LIGHT CLOUDS  
 -216 7 12 (LIGHT CLOUDS  
 -220 7 33 (LIGHT CLOUDS  
 -221 7 35 (LIGHT CLOUDS  
 AA-104-217 7 21 (LIGHT CLOUDS  
 -218 7 23 (LIGHT CLOUDS  
 -219 7 24 (LIGHT CLOUDS  
 -222 7 41 (LIGHT CLOUDS  
 -223 7 43 (LIGHT CLOUDS  
 -224 7 46 (LIGHT CLOUDS  
 AA-103-235 24 SEP 80 6 59 (CLEAR DAY  
 -236 7 1 (CLEAR DAY  
 -237 7 3 (CLEAR DAY  
 -238 7 4 (CLEAR DAY  
 -243 7 24 (CLEAR DAY  
 -244 7 26 (CLEAR DAY  
 -245 7 27 (CLEAR DAY  
 -246 7 29 (CLEAR DAY  
 -247 7 31 (CLEAR DAY  
 -248 7 32 (CLEAR DAY  
 -257 15 0 (CLEAR DAY  
 -258 15 1 (CLEAR DAY  
 -259 15 3 (BRIGHT CLEAR DAY  
 -260 15 4 (CLEAR DAY  
 -261 15 6 (CLEAR DAY

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-209-001  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE 08

TEST NO.	DATE	START TIME	TEMP DEG C			REL HUM	SPEED M/S				WIND	STATION METEOROLOGICAL DATA			STATION METEOROLOGICAL DATA					
			T3	T2	T1		RH	S1	S2	S3		S4	S1+2	D1	D2	AUD	NU	SBP	ST BRN	SS
AA-104-229	24 SEP 80	7 12	9.6	8.5	8.1	82	1.2	.3	1.2	1.2	0	0	0	0	0	0	0	0	0	0
-240		7 13	9.5	8.4	7.9	82	1.0	.6	1.0	1.2	0	0	0	0	0	0	0	0	0	0
-241		7 15	9.5	8.3	7.9	82	1.1	.6	1.1	1.5	15	0	0	0	0	0	0	0	0	0
-242		7 16	9.5	8.6	7.9	82	.8	.3	.8	1.0	10	0	0	0	0	0	0	0	0	0
-249		7 39	9.7	9.1	8.6	83	1.4	1.1	1.4	28	28	0	0	0	0	0	0	0	0	0
-250		7 40	9.6	9.3	8.6	83	1.0	.6	1.0	4	4	0	0	0	0	0	0	0	0	0
-251		7 42	9.7	9.5	8.7	83	1.1	.9	1.1	33	33	0	0	0	0	0	0	0	0	0
-252		7 43	9.6	9.5	8.8	83	1.1	.7	1.1	0	0	0	0	0	0	0	0	0	0	0
-253		7 45	9.7	9.5	8.9	83	1.0	.7	1.0	0	0	0	0	0	0	0	0	0	0	0
-254		7 46	9.7	9.5	8.9	83	.8	.2	.8	0	0	0	0	0	0	0	0	0	0	0
-255		7 48	9.7	9.5	8.9	83	1.0	.7	1.0	0	0	0	0	0	0	0	0	0	0	0
-256		7 49	9.7	9.5	8.9	83	1.0	.7	1.0	0	0	0	0	0	0	0	0	0	0	0
-262		15 17	22.2	24.3	26.7	67	1.3	.7	1.3	62	62	0	0	0	0	0	0	0	0	0
-263		15 18	23.4	24.8	26.5	67	.7	.7	.7	328	328	0	0	0	0	0	0	0	0	0
-264		15 24	21.9	22.1	24.3	66	1.2	.7	1.2	310	310	0	0	0	0	0	0	0	0	0
-265		15 26	21.8	22.0	23.9	67	1.0	.7	1.0	289	289	0	0	0	0	0	0	0	0	0
-266		15 28	21.7	21.7	23.6	67	1.7	.7	1.7	287	287	0	0	0	0	0	0	0	0	0
AA-103-267	25 SEP 80	7 10	13.6	12.7	12.6	88	.6	.0	.6	31	31	0	0	0	0	0	0	0	0	0
-268		7 14	13.7	13.2	12.8	88	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-269		7 17	13.8	13.6	13.3	88	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-270		7 19	13.9	13.9	13.6	88	.4	.0	.4	309	309	0	0	0	0	0	0	0	0	0
-271		7 22	14.0	13.9	13.8	88	.3	.0	.3	251	251	0	0	0	0	0	0	0	0	0
-277		7 50	14.2	14.0	14.0	82	.5	.0	.5	60	60	0	0	0	0	0	0	0	0	0
-278		7 51	14.3	14.0	14.1	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
AA-104-272		7 20	13.9	13.7	13.7	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-273		7 32	13.9	13.7	13.7	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-274		7 34	13.9	13.6	13.6	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-275		7 36	13.9	13.7	13.6	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-276		7 38	13.9	13.8	13.7	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-279		8 0	14.4	14.2	14.3	82	.0	.0	.0	0	0	0	0	0	0	0	0	0	0	0
-280		8 2	14.4	14.1	14.2	82	.4	.4	.4	45	45	0	0	0	0	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATE: 02 FEB 87  
 PAGE: 30

TEST NO.	DATE	START TIME HR-MN	GRADIENTS		M/S		GND COND		VEGE		TATION		NUM-BER		AVE		BLDG/OBSTACLES	
			AUE ALPHA	BETA	AUE ALPHA	BETA	PRE	CIP	ITA	SUR	VEGE	TATION	NUM	BER	AVE	HT	MAX	HT
AA-104-239	24 SEP 80	7 12	.3	-.3	.0	0	0	0	0	2	7	0	0	0	0	0	0	0
-240		7 13	.3	-.4	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-241		7 15	.4	-.5	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-242		7 16	.3	-.4	-.2	0	0	0	0	2	7	0	0	0	0	0	0	0
-249		7 39	.2	-.3	.0	0	0	0	0	2	7	0	0	0	0	0	0	0
-250		7 40	.2	-.3	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-251		7 42	.2	-.3	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-252		7 43	.2	-.3	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-253		7 45	.2	-.2	.0	0	0	0	0	2	7	0	0	0	0	0	0	0
-254		7 46	.2	-.5	-.3	0	0	0	0	2	7	0	0	0	0	0	0	0
-255		7 48	.2	-.2	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-256		7 49	.2	-.3	-.1	0	0	0	0	2	7	0	0	0	0	0	0	0
-262		15 17	-.8			0	0	0	0	2	0	0	0	0	0	0	0	0
-263		15 18	-.7			0	0	0	0	2	0	0	0	0	0	0	0	0
-264		15 24	-.6			0	0	0	0	2	0	0	0	0	0	0	0	0
-265		15 26	-.5			0	0	0	0	2	0	0	0	0	0	0	0	0
-266		15 28	-.5			0	0	0	0	2	0	0	0	0	0	0	0	0
AA-103-267	25 SEP 80	7 10	.2			0	0	0	0	2	7	0	0	0	0	0	0	0
-268		7 14	.2			0	0	0	0	2	7	0	0	0	0	0	0	0
-269		7 17	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-270		7 19	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-271		7 22	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-277		7 50	.0			0	0	0	0	2	7	0	0	0	0	0	0	0
-278		7 51	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
AA-104-272		7 30	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-273		7 32	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-274		7 34	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-275		7 36	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-276		7 38	.1			0	0	0	0	2	7	0	0	0	0	0	0	0
-279		8 0	.0			0	0	0	0	2	7	0	0	0	0	0	0	0
-280		8 2	.1	.0	.0	0	0	0	0	2	7	0	0	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 18.1  
 TEST AA-268-001  
 DATE 02 FEB 67  
 PAGE 09

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:

TEST NO. DATE START TIME METEOROLOGICAL COMMENT  
 HR-MN

LOG- STA/ARMY- EVENT

AA-104-239 24 SEP 60 7 12 (CLEAR DAY  
 -240 7 13 (CLEAR DAY  
 -241 7 15 (CLEAR DAY  
 -242 7 16 (BRIGHT CLEAR DAY  
 -249 7 39 (CLEAR DAY  
 -250 7 40 (CLEAR DAY  
 -251 7 42 (CLEAR DAY  
 -252 7 43 (CLEAR DAY  
 -253 7 45 (CLEAR DAY  
 -254 7 46 (CLEAR DAY  
 -255 7 48 (CLEAR DAY  
 -256 7 49 (CLEAR DAY  
 -258 15 17 (CLEAR DAY  
 -259 15 18 (CLEAR DAY  
 -264 15 24 (CLEAR DAY  
 -265 15 26 (CLEAR DAY  
 -266 15 28 (CLEAR DAY

AA-103-267 25 SEP 60 7 10 (HEAVY CLOUD COVER  
 -268 7 14 (HEAVY CLOUD COVER  
 -269 7 17 (HEAVY CLOUD COVER  
 -270 7 19 (HEAVY CLOUD COVER  
 -271 7 22 (HEAVY CLOUD COVER  
 -277 7 50 (HEAVY CLOUD COVER  
 -278 7 51 (HEAVY CLOUD COVER

AA-104-272 7 30 (HEAVY CLOUD COVER  
 -273 7 32 (HEAVY CLOUD COVER  
 -274 7 34 (HEAVY CLOUD COVER  
 -275 7 36 (HEAVY CLOUD COVER  
 -276 7 38 (HEAVY CLOUD COVER  
 -279 8 0 (CALM, MEDIUM OVERCAST, SOME BREAKS IN THE CLOUD COVER  
 -280 8 2 (CALM, MEDIUM CLOUD COVER, SOME BREAKS IN THE CLOUDS

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-081  
 DATABASE:  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE 89

TEST NO.	DATE	START TIME HR-MN	TEMP DEG C			RH (%)			WIND SPEED M/S			DIRECTION VECTOR M/S			STATION METEOROLOGICAL DATA			
			T3	T2	T1	S1	S2	S3	S4	S1+2	AUG	D1	D2	AUD	HU	SBP	ST	SRH
AA-103-281	30 SEP 80	14 15	24.8	26.0	27.8	74	2.4	1.9	2.4	128	.4	.739	24	44	3	100	1.6	
-282		14 17	24.1	25.9	27.8	73	4.1	3.2	4.1	103	2.4	.739	24	44	3	100	1.6	
-283		14 19	24.8	26.1	27.5	73	2.4	1.9	2.4	137	.1	.739	24	44	3	100	1.6	
-284		14 21	25.1	26.8	28.3	73	2.7	2.2	2.7	158	-.9	.739	24	44	3	100	1.6	
-285		14 22	25.1	26.1	27.7	73	1.4	1.2	1.4	122	.4	.739	24	44	3	100	1.6	
-291		14 44	24.8	26.7	28.4	73	3.4	2.7	3.4	123	.9	.738	24	44	3	140	.0	
-292		14 47	25.0	25.9	28.0	73	2.9	2.3	2.9	103	1.7	.738	24	44	3	140	.0	
-293		14 48	25.5	26.2	28.0	72	.9	.8	.9	77	.8	.738	24	44	3	140	.0	
-294		14 50	26.2	27.4	29.0	73	1.4	1.2	1.4	126	.3	.738	24	44	3	140	.0	
-295		14 53	25.5	27.2	28.8	72	1.7	1.4	1.7	147	-.2	.738	24	44	3	140	.0	
AA-104-286		14 30	24.5	26.1	27.6	73	1.9	1.5	1.9	151	.4	.738	24	44	3	140	.0	
-287		14 31	25.5	26.3	28.0	73	1.8	1.5	1.8	98	-1.1	.738	24	44	3	140	.0	
-288		14 33	25.6	26.7	28.7	74	2.2	1.9	2.2	91	-1.7	.738	24	44	3	140	.0	
-289		14 34	26.3	26.7	28.9	73	.9	.8	.9	43	-.9	.738	24	44	3	140	.0	
-290		14 37	26.0	27.3	29.0	73	1.8	1.4	1.8	163	.7	.738	24	44	3	140	.0	
-296		15 13	26.0	27.8	28.8	72	2.5	2.0	2.5	150	.5	.738	24	44	3	140	.0	
-297		15 25	25.1	26.5	28.2	72	2.9	2.3	2.9	110	-1.4	.738	24	44	3	140	.0	
AA-103-299	01 OCT 80	7 0	12.4	10.2	9.0	88	1.1	.0	1.1	87	.8	.738	13	88	0	.0	.0	
-300		7 2	12.2	10.4	9.1	88	.9	.0	.9	89	.7	.738	13	88	0	.0	.0	
-301		7 3	12.1	10.3	9.5	88	.7	.0	.7	89	.6	.738	13	88	0	.0	.0	
-302		7 5	12.1	10.2	9.5	88	.7	.0	.7	89	.6	.738	13	88	0	.0	.0	
-303		7 7	12.1	10.4	9.3	88	.6	.0	.6	89	.5	.738	13	88	0	.0	.0	
-309		7 32	12.0	11.3	10.0	94	.0	.0	.0	126	.0	.738	12	94	1	150	-.2	
-310		7 33	12.0	11.4	10.4	94	.4	.0	.4	133	.0	.738	12	94	1	150	-.2	
-311		7 35	12.0	11.5	10.8	94	.4	.0	.4	141	.0	.738	12	94	1	150	-.2	
-312		7 36	11.9	11.4	10.7	94	.5	.0	.5	141	.0	.738	12	94	1	150	-.2	
-313		7 38	12.0	11.5	10.8	94	.8	.0	.8	134	.1	.738	12	94	1	150	-.2	
-319		7 59	12.2	12.1	11.5	94	.9	.5	.9	129	.2	.738	12	94	1	150	-.2	
-320		8 0	12.3	12.2	11.6	94	.9	.6	.9	132	.1	.738	12	94	1	150	-.2	
-321		8 1	12.4	12.4	11.8	94	.9	.4	.9	132	.1	.738	12	94	1	150	-.2	
-322		8 3	12.5	12.5	11.9	94	.9	.6	.9	132	.1	.738	12	94	1	150	-.2	
-323		8 8	12.8	12.7	12.4	94	.9	.3	.9	126	.2	.738	12	94	1	150	-.2	

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-001

PARAMETERS:  
 ALL DATA LISTED

DATE 02 FEB 87  
 PAGE 09

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

TEST NO.	DATE	START TIME	MR-MN	GRADIENTS	AVE ALPHA	AVE BETA	AVE ALPHA	AVE BETA	PRE	GROUND COVER	VEGETATION	MOISTURE	NUM-BER	AVE HT	MAX HT	BLDG/OBSTACLES
LOG-STA/ARRAY-EVENT				M/S	BETA	BETA	ALPHA	ALPHA	CIP-	VEGE-TATION	TATION	TURE		(M)	(M)	(ARRAY AVERAGE)
AA-103-281	30 SEP 80	14 15			.1	-1.5			0	0	2	0	0	0	0	0
-282		14 17			.6	-2			0	0	2	0	0	0	0	0
-283		14 19			.6	-6			0	0	2	0	0	0	0	0
-284		14 21			.7	-9			0	0	2	0	0	0	0	0
-285		14 22			.5	-1			0	0	2	0	0	0	0	0
-291		14 44			.8	-2			0	0	2	0	0	0	0	0
-292		14 47			.7	-4			0	0	2	0	0	0	0	0
-293		14 48			.5	-1			0	0	2	0	0	0	0	0
-294		14 50			.6	-6			0	0	2	0	0	0	0	0
-295		14 53			.7	-1			0	0	2	0	0	0	0	0
AA-104-286		14 30			.7	-1			0	0	2	0	0	0	0	0
-287		14 31			.5	-2			0	0	2	0	0	0	0	0
-288		14 33			.7	-3			0	0	2	0	0	0	0	0
-289		14 34			.6	-2			0	0	2	0	0	0	0	0
-290		14 37			.7	-2			0	0	2	0	0	0	0	0
-296		15 13			.6	-1			0	0	2	0	0	0	0	0
-297		15 25			.7	-4			0	0	2	0	0	0	0	0
AA-103-299	01 OCT 80	7 0			.7				0	0	2	7	0	0	0	0
-300		7 2			.7				0	0	2	7	0	0	0	0
-301		7 3			.5				0	0	2	7	0	0	0	0
-302		7 5			.5				0	0	2	7	0	0	0	0
-303		7 7			.6				0	0	2	7	0	0	0	0
-309		7 32			.4				0	0	2	7	0	0	0	0
-310		7 33			.4				0	0	2	7	0	0	0	0
-311		7 35			.2				0	0	2	7	0	0	0	0
-312		7 36			.2				0	0	2	7	0	0	0	0
-313		7 38			.2				0	0	2	7	0	0	0	0
-319		7 59			.1	.3			0	0	2	7	0	0	0	0
-320		8 0			.2	.0			0	0	2	7	0	0	0	0
-321		8 1			.2	.1			0	0	2	7	0	0	0	0
-322		8 3			.2	.0			0	0	2	7	0	0	0	0
-323		8 8			.1	.2			0	0	2	7	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE C9

TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-103-281	30 SEP 80	14 15	(BRIGHT CLEAR DAY
-282		14 17	(BRIGHT CLEAR DAY
-283		14 19	(BRIGHT CLEAR DAY
-284		14 21	(BRIGHT CLEAR DAY
-285		14 22	(BRIGHT CLEAR DAY
-291		14 44	(
-292		14 47	(
-293		14 48	(BEAUTIFUL
-294		14 50	(
-295		14 53	(
AA-104-286		14 30	(BRIGHT CLEAR DAY
-287		14 31	(BRIGHT CLEAR DAY
-288		14 33	(BRIGHT CLEAR DAY
-289		14 34	(BRIGHT CLEAR DAY
-290		14 37	(CLEAR DAY
-296		15 13	(BEAUTIFUL
-297		15 25	(
AA-103-299	01 OCT 80	7 0	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-300		7 2	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-301		7 3	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-302		7 5	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-303		7 7	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-309		7 32	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-310		7 33	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-311		7 35	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-312		7 36	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-313		7 38	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-319		7 59	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-320		8 0	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-321		8 1	(BRIGHT CLEAR DAY
-322		8 3	(BRIGHT CLEAR DAY
-323		8 8	(BRIGHT CLEAR DAY

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-001

DATABASE:  
 DATE 02 FEB 87  
 PAGE A10

TEST NO.	DATE	START TIME	TEMP DEG C			RH (%)	SPEED M/S			DIRECTION DEG	VECTOR M/S	PRESS Hg	BAR TEMP DEG	WIND M/S	DEG	SS	SD	SMU			
			T1	T2	T3		S1	S2	S3										S4	S5	S6
AA-104-304	01 OCT 80	7 17	12.5	11.4	9.5	88	1.2	0.0	0.0	126	126	13	13	88	0	0	0				
-305		7 19	12.3	11.5	10.4	88	1.5	0.0	0.0	128	128	13	13	88	0	0	0				
-306		7 21	12.3	11.5	10.5	88	1.0	0.0	0.0						0	0	0				
-307		7 22	12.2	11.2	9.9	88	1.0	0.0	0.0						0	0	0				
-308		7 24	12.2	11.2	10.0	88	1.3	0.0	0.0	126					0	0	0				
-314		7 44	12.0	11.7	11.1	94	1.8	0.4	0.4	131	131	12	12	94	1	150	2				
-315		7 46	12.0	11.7	11.2	94	1.8	0.3	0.3	133	133	12	12	94	1	150	2				
-316		7 47	11.9	11.7	11.3	94	1.0	0.5	0.5	135	135	12	12	94	1	150	2				
-317		7 49	11.9	11.7	11.3	94	1.0	0.6	0.6	130	130	12	12	94	1	150	2				
-318		7 50	12.0	11.8	11.4	94	1.1	0.7	0.7	127	127	12	12	94	1	150	2				
-324		8 15	13.3	13.3	13.7	94	1.7	0.4	0.4	132	132	12	12	94	1	150	2				
-325		8 17	13.4	13.4	13.9	94	1.7	0.4	0.4	119	119	12	12	94	1	150	2				
-326		8 18	13.5	13.7	14.1	94	1.4	0.0	0.0	128	128	12	12	94	1	150	2				
-327		8 20	13.6	13.8	14.4	94	1.4	0.0	0.0	115	115	12	12	94	1	150	2				
-328		8 22	13.7	13.7	14.3	94	1.7	0.2	0.2	127	127	12	12	94	1	150	2				
-329		8 24	13.9	14.0	14.5	94	1.4	0.0	0.0	141	141	12	12	94	1	150	2				
AA-105-330	16 DEC 80	7 29	11.0	11.1	11.0	86	1.9	2.6	1.6	2.4	2.2	20	72	46	2.0	735	-1	86	5	20	4.1
-331		7 31	11.0	11.1	11.0	80	2.7	2.0	2.3	1.8	2.4	16	82	49	2.0	736	-1	80	4	10	3.2
-332		7 34	11.0	11.0	11.0	80	2.8	2.5	2.5	2.2	2.6	27	52	39	2.5	736	-1	80	4	10	3.2
-333		7 36	11.0	11.0	11.0	80	2.3	2.2	2.0	1.9	2.3	13	47	30	2.0	736	-1	80	4	10	3.2
-334		7 39	11.1	11.1	11.1	80	2.8	2.7	2.4	2.4	2.8	34	59	46	2.7	736	-1	80	4	10	3.2
-335		7 41	11.1	11.1	11.1	80	3.2	2.9	2.9	2.6	3.0	44	57	51	3.0	736	-1	80	4	10	3.2
AA-106-336		7 51	11.2	11.2	11.1	80	3.4	3.9	3.0	3.3	3.6	42	77	60	3.4	736	-1	80	4	10	3.2
-337		7 53	11.2	11.2	11.2	80	2.6	3.7	2.1	3.1	3.1	48	77	63	2.9	736	-1	80	4	10	3.2
-338		7 56	11.2	11.2	11.2	80	2.8	3.5	2.4	3.0	3.1	27	86	57	2.7	736	-1	80	4	10	3.2
-339		8 7	11.3	11.3	11.3	80	2.9	3.5	2.5	2.9	3.2	47	79	68	2.9	736	-1	80	4	10	3.2
-340		8 9	11.3	11.3	11.3	80	2.7	3.5	2.4	3.1	3.1	44	71	57	2.7	736	-1	80	4	10	3.2
-341		8 11	11.3	11.3	11.2	80	3.0	3.7	2.7	3.2	3.3	37	74	56	3.1	736	-1	80	4	10	3.2



TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
OMEGA 13.1  
TEST AA-BOB-081

PARAMETERS:  
ALL DATA LISTED

DATE 02 FEB 87  
PAGE 810

TEST NO.	DATE	START TIME HR-MN	GRADIENTS		M/S		PRE		SURFACE		VEGETATION		MOISTURE		NUM-BER		BLDG/OBSTACLES	
			AUE ALPHA	BETA	AUE ALPHA	BETA	CIP	ITA	TION	FACE	TATION	TURE	NUM-BER	AUE MT (M)	MAX MT (M)	(ARRAY AVERAGE)		
AA-104-304	01 OCT 80	7 17	.7		0	0	0	0	0	0	2	7	0	0	0	0	0	0
-305		7 19	.4		0	0	0	0	0	0	2	7	0	0	0	0	0	0
-306		7 21	.4		0	0	0	0	0	0	2	7	0	0	0	0	0	0
-307		7 22	.5		0	0	0	0	0	0	2	7	0	0	0	0	0	0
-308		7 24	.5		0	0	0	0	0	0	2	7	0	0	0	0	0	0
-314		7 44	.2	.1	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-315		7 46	.2	.1	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-316		7 47	.1	.0	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-317		7 49	.1	.1	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-318		7 50	.1	.0	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-324		8 15	.1	.0	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-325		8 17	.1	.1	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-326		8 18	.1	.1	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-327		8 20	.2	.2	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-328		8 22	.2	.1	0	0	0	0	0	0	2	7	0	0	0	0	0	0
-329		8 24	.1	.3	0	0	0	0	0	0	2	7	0	0	0	0	0	0
AA-105-330	16 DEC 80	7 29	.4	.4	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-331		7 31	.4	.4	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-332		7 34	.4	.4	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-333		7 36	.5	.5	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-334		7 39	.6	.6	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-335		7 41	.5	.5	0	0	0	0	0	0	2	1	0	0	0	0	0	0
AA-106-336		7 51	.7	.7	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-337		7 53	.8	.8	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-338		7 56	.6	.6	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-339		8 7	.7	.7	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-340		8 9	.5	.6	0	0	0	0	0	0	2	1	0	0	0	0	0	0
-341		8 11	.6	.7	0	0	0	0	0	0	2	1	0	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE C10

TEST NO.	DATE	START TIME HR-MIN	METEOROLOGICAL COMMENT
AA-104-304	01 OCT 80	7 17	(BRIGHT, CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-305		7 19	(BRIGHT, CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-306		7 21	(BRIGHT, CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-307		7 22	(BRIGHT, CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-308		7 24	(BRIGHT, CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-314		7 44	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-315		7 46	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-316		7 47	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-317		7 49	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-318		7 50	(BRIGHT, CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-324		8 15	(BRIGHT CLEAR DAY
-325		8 17	(BRIGHT CLEAR DAY
-326		8 18	(BRIGHT CLEAR DAY
-327		8 20	(BRIGHT CLEAR DAY
-328		8 22	(BRIGHT CLEAR DAY
-329		8 24	(BRIGHT CLEAR DAY
AA-105-330	16 DEC 80	7 29	(100% OVERCAST, LOW CLOUDS, NO FOG
-331		7 31	(100% OVERCAST, LOW CLOUDS, NO FOG
-332		7 34	(100% OVERCAST, LOW CLOUDS, NO FOG
-333		7 36	(100% OVERCAST, LOW CLOUDS, NO FOG
-334		7 39	(100% OVERCAST, LOW CLOUDS, NO FOG
-335		7 41	(100% OVERCAST, LOW CLOUDS, NO FOG
AA-106-336		7 51	(100% OVERCAST, LOW CLOUDS, NO FOG
-337		7 53	(100% OVERCAST, LOW CLOUDS, NO FOG
-338		7 56	(100% OVERCAST, LOW CLOUDS, NO FOG
-339		8 7	(100% OVERCAST, LOW CLOUDS, NO FOG
-340		8 9	(100% OVERCAST, LOW CLOUDS, NO FOG
-341		8 11	(100% OVERCAST, LOW CLOUDS, NO FOG

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-001  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE 111

TEST NO.	DATE	START TIME HR-MN	TEMP DEG C			RH %	SPEED M/S				DIRECTION DEG			VECTOR M/S			STATION METEOROLOGICAL DATA								
			T3	T2	T1		S1	S2	S3	S4	S1+2	D1	D2	AUD	MU	M	HG	C	%	BAR TEMP	REL	WIND	SS	SD	SHU
AA-105-342	17 DEC 80	8 2	-7.6	-8.7	-10.6	79	.6	.0	.5	.0	.3	126	.1	.742	-8	79	0	.0							
-343		8 8	-7.2	-8.0	-10.0	79	.6	.0	.0	.0	.3	129	.1	.742	-8	79	0	.0							
-344		8 10	-7.1	-7.8	-10.0	79	.7	.0	.3	.0	.3	124	.1	.742	-8	79	0	.0							
-345		8 12	-7.1	-7.5	-9.7	79	.8	.0	.7	.0	.4	126	.1	.742	-8	79	0	.0							
-346		8 14	-7.1	-8.1	-9.4	79	.7	.0	.3	.0	.3	126	.1	.742	-8	79	0	.0							
-354		13 13	-6	.9	1.2	59	3.5		3.0		3.5	162	-1.4	.737	-1	59	4	180	-2.7						
-355		13 17	-5	.1	1.3	59	3.9		3.6		3.9	178	-2.5	.737	-1	59	4	180	-2.7						
-356		13 18	.0	.3	2.0	59	3.3		2.9		3.3	168	-1.6	.737	-1	59	4	180	-2.7						
-357		13 20	-.3	.1	1.6	59	2.9		2.6		2.9	158	-1.0	.737	-1	59	4	180	-2.7						
-358		13 22	.0	1.0	2.1	59	3.9		3.6		3.9	195	-3.3	.737	-1	59	4	180	-2.7						
-359		13 23	-.1	1.0	.9	59	3.3		3.2		3.3	188	-2.5	.737	-1	59	4	180	-2.7						
AA-106-360		13 42	.4	1.6	2.5	55	2.9		2.6		2.9	189	2.2	.737	-1	55	5	210	4.9						
-361		13 45	.5	2.2	2.7	55	3.4		3.2		3.4	196	2.9	.737	-1	55	5	210	4.9						
-362		13 50	.1	2.7	2.8	55	3.7		3.3		3.7	172	2.0	.737	-1	55	5	210	4.9						
-363		13 54	.2	1.9	2.3	55	3.7		3.3		3.7	166	1.7	.737	-1	55	5	210	4.9						
-364		13 57	-.4	1.2	1.4	55	4.1		3.5		4.1	173	2.3	.737	-1	55	5	210	4.9						
-365		14 1	1.1	2.3	2.9	55	3.1		2.8		3.1	184	2.2	.737	-1	55	5	210	4.9						
-366		14 6	.7	2.6	3.1	55	4.0		3.2		4.0	169	2.0	.737	-1	55	5	210	4.9						
AA-105-367	08 JAN 81	10 30	-11.3	-10.8	-10.3	41	1.0	1.2	1.0	1.2	1.1	133	.2	.745	-14	60	5	0	3.4						
-368		10 31	-11.8	-10.7	-10.8	40	1.4	1.2	1.2	1.2	1.2	142	.6	.745	-13	61	2	40	2.0						
-369		10 34	-11.8	-10.5	-10.7	41	1.5	1.0	1.2	1.2	1.3	129	.1	.745	-13	61	2	40	2.0						
-370		10 35	-12.3	-10.9	-10.9	41	1.7	1.6	1.6	1.5	1.6	137	.4	.745	-13	61	2	40	2.0						
-371		10 37	-12.2	-11.1	-11.0	42	1.8	1.3	1.7	1.2	1.6	140	.3	.745	-13	61	2	40	2.0						
-372		10 39	-11.6	-10.4	-10.2	43	1.7	1.4	1.7	1.4	1.6	137	.4	.745	-13	61	2	40	2.0						
-373		10 41	-12.2	-11.1	-11.0	43	2.1	1.6	1.9	1.4	1.8	138	.2	.745	-13	61	2	40	2.0						
-374		10 43	-12.3	-11.4	-11.3	43	2.0	1.6	1.8	1.5	1.8	132	.5	.745	-13	61	2	40	2.0						
-375		10 45	-11.7	-10.8	-10.6	43	2.2	1.4	2.0	1.4	1.8	131	.7	.745	-13	61	2	40	2.0						
-376		10 46	-11.7	-10.1	-9.9	43	2.1	1.6	1.9	1.5	1.8	129	.7	.745	-13	61	2	40	2.0						
-377		10 48	-10.5	-9.3	-9.2	42	1.6	1.4	1.6	1.3	1.5	127	.3	.745	-13	61	2	40	2.0						

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-908-081

PARAMETERS:  
 ALL DATA LISTED

DATE 02 FEB 87  
 PAGE 811

TEST NO.	DATE	START TIME HR-MN	GRADIENTS		M/S		PRE		GENERAL CONDITIONS		BLDG/OBSTACLES (ARRAY AVERAGE)	
			AUE ALPHA	BETA	AUE ALPHA	BETA	CIP	ITA	VEGE	TATION	NUM-BER	AUE HT
AA-105-342	17 DEC 80	08 20	.7	.0	.7	.0	0	0	2	0	0	0
-343		08 00	.6	.0	.8	.0	0	0	2	0	0	0
-344		08 10	.7	.2	.8	.0	0	0	2	0	0	0
-345		08 12	.6	.0	.6	.0	0	0	2	0	0	0
-346		08 14	.5	.1	.6	.0	0	0	2	0	0	0
-354		13 13	-.4	-.3	-.7	.0	0	0	2	0	0	0
-355		13 17	-.4	-.4	-.8	.0	0	0	2	0	0	0
-356		13 18	-.5	-.3	-.8	.0	0	0	2	0	0	0
-357		13 20	-.4	-.2	-.6	.0	0	0	2	0	0	0
-358		13 22	-.4	-.4	-.9	.0	0	0	2	0	0	0
-359		13 23	-.2	-.2	-.4	.0	0	0	2	0	0	0
AA-106-360		13 42	-.4	.4	-.1	.0	0	0	2	0	0	0
-361		13 45	-.4	.4	-.1	.0	0	0	2	0	0	0
-362		13 50	-.5	.3	-.2	.0	0	0	2	0	0	0
-363		13 54	-.4	.3	-.1	.0	0	0	2	0	0	0
-364		13 57	-.4	.6	-.2	.0	0	0	2	0	0	0
-365		14 1	-.4	.3	.0	.0	0	0	2	0	0	0
-366		14 6	-.5	.7	.2	.0	0	0	2	0	0	0
AA-105-367	08 JAN 81	10 30	-.2	.0	-.2	.0	0	0	2	5	0	0
-368		10 31	-.2	.0	-.2	.0	0	0	2	5	0	0
-369		10 34	-.2	.1	-.1	.0	0	0	2	5	0	0
-370		10 35	-.2	.0	-.3	.0	0	0	2	5	0	0
-371		10 37	-.2	.0	-.2	.0	0	0	2	5	0	0
-372		10 39	-.3	.0	-.3	.0	0	0	2	5	0	0
-373		10 41	-.2	.0	-.2	.0	0	0	2	5	0	0
-374		10 43	-.2	.1	-.1	.0	0	0	2	5	0	0
-375		10 45	-.2	.0	-.2	.0	0	0	2	5	0	0
-376		10 46	-.4	.0	-.3	.0	0	0	2	5	0	0
-377		10 48	-.2	.0	-.2	.0	0	0	2	5	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATABASE:

DATE 02 FEB 87  
 PAGE C11

PARAMETERS:  
 ALL DATA LISTED

TEST NO. DATE START TIME METEOROLOGICAL COMMENT

LOG- STA/ARRAY- EVENT

TEST NO.	DATE	START TIME	METEOROLOGICAL COMMENT
AA-105-342	17 DEC 80	8 2	(CLEAR DAY
-343		8 8	(CLEAR DAY
-344		8 10	(CLEAR DAY
-345		8 12	(CLEAR DAY
-346		8 14	(CLEAR DAY
-354		13 13	(CLEAR
-355		13 17	(CLEAR
-356		13 18	(CLEAR
-357		13 20	(CLEAR
-358		13 22	(CLEAR
-359		13 23	(CLEAR
AA-106-360		13 42	(CLEAR
-361		13 45	(CLEAR
-362		13 50	(CLEAR
-363		13 54	(CLEAR
-364		13 57	(CLEAR
-365		14 1	(CLEAR
-366		14 6	(CLEAR

TEST NO.	DATE	START TIME	METEOROLOGICAL COMMENT
AA-105-367	08 JAN 81	10 30	(LIGHT CRUST ON SNOW. CLEAR
-368		10 31	(LIGHT CRUST ON SNOW. CLEAR
-369		10 34	(LIGHT CRUST ON SNOW. CLEAR
-370		10 35	(LIGHT CRUST ON SNOW. CLEAR
-371		10 37	(LIGHT CRUST ON SNOW. CLEAR
-372		10 39	(LIGHT CRUST ON SNOW. CLEAR
-373		10 41	(LIGHT CRUST ON SNOW. CLEAR
-374		10 43	(LIGHT CRUST ON SNOW. CLEAR
-375		10 45	(LIGHT CRUST ON SNOW. CLEAR
-376		10 46	(LIGHT CRUST ON SNOW. CLEAR
-377		10 48	(LIGHT CRUST ON SNOW. CLEAR

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-001  
 DATABASE:  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE 112

TEST NO.	DATE	START TIME	TEMP			REL HUM			AFAMRL METEOROLOGICAL DATA			WIND			STATION METEOROLOGICAL DATA								
			T3	T2	T1	T3	T2	T1	S1	S2	S3	S4	S1+2	AUG	D1	D2	AUD	WU	SBP	ST SRH	SS	SD	SMU
AA-105-378	09 JAN 81	8 48	-16.1	-16.3	-16.0	50	50	50	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-379		8 50	-16.1	-16.1	-15.9	50	50	50	0	0	0	0	0	0	0	0	0	.742	-18	68	0	0	0
-380		8 51	-15.5	-15.1	-14.4	50	50	50	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-381		8 52	-15.3	-14.8	-13.5	51	51	51	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-382		8 57	-16.9	-17.1	-17.0	52	52	52	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-383		8 58	-17.3	-17.3	-17.0	52	52	52	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-384		8 59	-17.4	-17.4	-17.2	52	52	52	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-385		9 1	-17.2	-17.3	-17.2	53	53	53	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-386		9 2	-17.4	-17.3	-17.2	53	53	53	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-387		9 3	-17.2	-17.3	-17.2	53	53	53	0	0	0	0	0	0	0	0	0	.742	-18	65	0	0	0
-388		14 9	-6.2	-6.2	-6.1	52	52	52	3.0	1.6	2.8	1.4	2.3	2.99	293	296	-1.1	.760	-8	67	3	290	-1.2
-389		14 12	-6.1	-6.2	-6.0	53	53	53	2.9	1.5	2.7	1.7	2.2	2.75	317	296	-1.1	.760	-8	67	3	290	-1.2
-390		14 14	-6.2	-6.1	-5.9	53	53	53	3.0	1.8	2.8	1.6	2.4	2.78	302	290	-1.2	.760	-8	67	3	290	-1.2
AA-105-391		14 38	-6.0	-6.0	-5.8	53	53	53	3.2	3.0	2.9	3.1	3.1	3.11	282	297	1.1	.760	-8	67	4	280	2.3
-392		14 42	-6.2	-6.3	-6.1	54	54	54	3.8	2.4	3.5	2.2	3.1	284	291	288	1.6	.760	-8	67	4	280	2.3
-393		14 44	-6.3	-6.3	-6.1	54	54	54	3.5	3.7	3.2	3.4	3.6	280	316	298	1.2	.760	-8	67	4	280	2.3
-394		14 45	-6.4	-6.3	-6.2	54	54	54	3.0	2.6	2.8	2.2	2.8	283	308	295	1.1	.760	-8	67	4	280	2.3
-395		14 47	-6.2	-6.2	-6.1	54	54	54	2.6	2.4	2.2	2.1	2.5	293	302	298	.9	.760	-8	67	4	280	2.3
-396		14 49	-5.9	-5.9	-5.8	55	55	55	2.7	2.7	2.6	2.6	2.7	281	291	286	1.5	.760	-8	67	4	280	2.3
-397		14 50	-6.1	-6.1	-6.0	54	54	54	3.0	2.9	2.8	2.8	3.0	270	311	291	1.3	.760	-8	67	4	280	2.3
-398		14 52	-6.1	-6.2	-6.1	54	54	54	3.1	2.4	2.9	2.2	2.7	276	301	288	1.4	.760	-8	67	4	280	2.3
AA-105-399	13 JAN 81	8 7	-5.9	-6.0	-5.9	53	53	53	2.5	2.4	2.3		2.5	181	194	181	-1.7	.737	-7	67	4	200	-3.2
-400		8 11	-5.9	-5.9	-5.8	53	53	53	2.9	2.6	2.6		2.9	180	191	180	-1.9	.737	-7	67	4	200	-3.2
-401		8 13	-5.9	-5.9	-5.8	51	51	51	3.4	2.6	3.0		3.4	178	196	178	-2.1	.737	-7	67	4	200	-3.2
-402		8 14	-5.8	-5.9	-5.8	50	50	50	2.6	2.4	2.4		2.6	179	179	179	-1.7	.737	-7	67	4	200	-3.2
-407		8 35	-5.6	-5.7	-5.6	50	50	50	3.1	2.8	2.8		3.1	184	184	184	-2.2	.737	-7	67	4	190	-2.8
-408		8 37	-5.6	-5.6	-5.6	52	52	52	3.3	2.9	2.9		3.3	180	180	180	-2.1	.737	-7	67	4	190	-2.8
-409		8 38	-5.6	-5.6	-5.6	52	52	52	3.9	3.5	3.5		3.9	177	177	177	-2.4	.737	-7	67	4	190	-2.8
-413		13 7	-1.5	-1.4	-1.2	43	43	43	3.5	3.1	3.4	3.2	3.3	199	193	196	-2.7	.735	-4	58	5	210	-4.4
-414		13 11	-1.3	-1.1	-0.9	44	44	44	2.9	3.8	2.8	3.8	3.3	202	196	199	-2.9	.735	-4	58	5	210	-4.4
-415		13 14	-1.4	-1.0	-1.0	47	47	47	3.9	3.4	3.6	3.3	3.6	189	201	198	-3.0	.735	-4	58	5	210	-4.4
-416		13 16	-1.4	-1.1	-1.0	43	43	43	3.8	2.6	3.5	2.7	3.2	190	192	191	-2.5	.735	-4	58	5	210	-4.4
-417		13 18	-1.5	-1.3	-1.2	44	44	44	3.5	2.7	3.4	2.6	3.1	198	182	190	-2.4	.735	-4	58	5	210	-4.4

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATE 02 FEB 87  
 PAGE B12

PARAMETERS:  
 ALL DATA LISTED

METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

TEST NO.	DATE	START TIME	HR-MN	GRADIENTS		GENERAL CONDITIONS											
				AUE ALPHA	BETA	PRE	CIP	IT	UR	UFE	MOIS	TURE	NUM-BER	AUE HT	MAX HT		
AA-105-378	09 JAN 81	0 48		-1		0	8	2	5	0	0	0	0	0	0	0	0
-379		0 50		-1		0	8	2	5	0	0	0	0	0	0	0	0
-380		0 51		-2		0	8	2	5	0	0	0	0	0	0	0	0
-381		0 52		-4		0	8	2	5	0	0	0	0	0	0	0	0
-382		0 57		0		0	8	2	5	0	0	0	0	0	0	0	0
-383		0 58		-1		0	8	2	5	0	0	0	0	0	0	0	0
-384		0 59		-1		0	8	2	5	0	0	0	0	0	0	0	0
-385		9 1		0		0	8	2	5	0	0	0	0	0	0	0	0
-386		9 2		-1		0	8	2	5	0	0	0	0	0	0	0	0
-387		9 3		0		0	8	2	5	0	0	0	0	0	0	0	0
-388		14 9		-1		0	8	2	5	0	0	0	0	0	0	0	0
-389		14 12		0		0	8	2	5	0	0	0	0	0	0	0	0
-390		14 14		-1		0	8	2	5	0	0	0	0	0	0	0	0
AA-106-391		14 38		-1		0	8	2	5	0	0	0	0	0	0	0	0
-392		14 42		-2		0	8	2	5	0	0	0	0	0	0	0	0
-393		14 44		-1		0	8	2	5	0	0	0	0	0	0	0	0
-394		14 45		-1		0	8	2	5	0	0	0	0	0	0	0	0
-395		14 47		0		0	8	2	5	0	0	0	0	0	0	0	0
-396		14 49		0		0	8	2	5	0	0	0	0	0	0	0	0
-397		14 50		-1		0	8	2	5	0	0	0	0	0	0	0	0
-398		14 52		0		0	8	2	5	0	0	0	0	0	0	0	0
AA-105-399	13 JAN 81	8 7		0		7	0	2	5	0	0	0	0	0	0	0	0
-400		8 11		0		7	0	2	5	0	0	0	0	0	0	0	0
-401		8 13		0		7	0	2	5	0	0	0	0	0	0	0	0
-402		8 14		0		7	0	2	5	0	0	0	0	0	0	0	0
-407		8 35		0		0	0	2	5	0	0	0	0	0	0	0	0
-408		8 37		0		0	0	2	5	0	0	0	0	0	0	0	0
-409		8 38		0		0	0	2	5	0	0	0	0	0	0	0	0
-413		13 7		-1		0	0	2	5	0	0	0	0	0	0	0	0
-414		13 11		-1		0	0	2	5	0	0	0	0	0	0	0	0
-415		13 14		-1		0	0	2	5	0	0	0	0	0	0	0	0
-416		13 16		-1		0	0	2	5	0	0	0	0	0	0	0	0
-417		13 18		-1		0	0	2	5	0	0	0	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
OMEGA 19.1  
TEST AA-DOB-081

PARAMETERS:  
ALL DATA LISTED

DATABASE:  
DATE 02 FEB 87  
PAGE C12

TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-105-378	09 JAN 81	8 48	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-379		8 50	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-380		8 51	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-381		8 52	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-382		8 57	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-383		8 58	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-384		8 59	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-385		9 1	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-386		9 2	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-387		9 3	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-388		14 9	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-389		14 12	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-390		14 14	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
AA-106-391		14 38	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-392		14 42	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-393		14 44	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-394		14 45	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-395		14 47	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-396		14 49	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-397		14 50	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-398		14 52	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
AA-105-399	13 JAN 81	8 7	(100% OVERCAST
-400		8 11	(100% OVERCAST
-401		8 13	(100% OVERCAST
-402		8 14	(100% OVERCAST
-407		8 35	(100% OVERCAST
-408		8 37	(100% OVERCAST
-409		8 38	(100% OVERCAST
-413		13 7	(100% OVERCAST
-414		13 11	(100% OVERCAST
-415		13 14	(100% OVERCAST
-416		13 16	(100% OVERCAST
-417		13 18	(100% OVERCAST



IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE A13

METEOROLOGICAL DATA WHICH SATISFY PARAMETERS

AFAMRL METEOROLOGICAL DATA

TEST NO.	DATE	START TIME	MR-MN	TEMP DEG C				RH %	REL HUM %	SPEED M/S				DIRECTION DEG	VECTOR M/S	BAR PRESS Hg	TEMP REL DEG	WIND DEG	M/S	SD	SMU
				T1	T2	T3	T4			S1	S2	S3	S4								
AA-106-403	13 JAN 81	0 23		-5.7	-5.8	-5.7	48	3.4	3.1	3.4	186	186	2.5	.737	-7	67	4	200	3.2		
-405		0 26		-5.7	-5.7	-5.7	49	3.4	3.2	3.4	180	180	2.3	.737	-7	67	4	200	3.2		
-406		0 27		-5.7	-5.7	-5.6	48	3.5	3.2	3.5	182	182	2.4	.737	-7	67	4	200	3.2		
-410		0 45		-5.5	-5.4	-5.4	49	3.3	2.9	3.3	177	177	2.0	.737	-7	67	4	190	2.8		
-411		0 47		-5.4	-5.4	-5.4	49	3.3	3.0	3.3	176	176	2.0	.737	-7	67	4	190	2.8		
-412		0 50		-5.4	-5.4	-5.3	49	3.4	3.0	3.4	176	176	2.0	.737	-7	67	4	190	2.8		
-418		13 31		-1.1	-1.1	-1.1	39	3.3	2.8	3.0	193	193	2.4	.735	-4	58	3	200	2.7		
-419		13 35		-1.4	-1.4	-1.4	43	3.4	2.7	3.1	188	188	2.4	.735	-4	58	3	200	2.7		
-420		13 37		-1.3	-1.3	-1.3	40	2.8	2.6	2.5	187	187	2.1	.735	-4	58	3	200	2.7		
-421		13 39		-1.2	-1.2	-1.2	42	2.8	2.6	2.7	192	192	2.2	.735	-4	58	3	200	2.7		
-422		13 40		-1.3	-1.0	-1.0	41	3.3	2.9	3.1	195	185	2.4	.735	-4	58	3	200	2.7		
-423		13 42		-1.2	-1.1	-1.0	40	2.9	2.7	2.8	196	179	2.2	.735	-4	58	3	200	2.7		
AA-105-424	15 JAN 81	0 19		-4.5	-4.6	-4.3	67	1.1	1.1	1.1	303	302	303	303	303	302	303	303	303	303	
-425		0 21		-4.5	-4.5	-4.4	67	1.0	1.2	1.1	320	294	307	307	307	294	307	307	307	307	
-426		0 22		-4.4	-4.5	-4.4	67	1.1	1.1	1.1	318	292	305	305	305	292	305	305	305	305	
-427		0 23		-4.5	-4.5	-4.4	68	1.2	1.0	1.0	318	326	322	322	322	326	322	322	322	322	
-428		0 25		-4.4	-4.4	-4.3	67	1.2	1.0	1.0	312	337	324	324	324	337	324	324	324	324	
AA-106-429		0 33		-4.5	-4.5	-4.4	69	1.0	1.0	1.0	316	313	316	316	316	313	316	316	316	316	
-430		0 34		-4.5	-4.5	-4.4	69	1.4	1.2	1.2	303	316	303	303	303	316	303	303	303	303	
-431		0 36		-4.4	-4.4	-4.3	69	1.2	1.0	1.2	289	322	306	306	306	322	306	306	306	306	
-432		0 37		-4.4	-4.4	-4.3	69	1.0	1.1	1.1	309	299	309	309	309	299	309	309	309	309	
-433		0 39		-4.4	-4.3	-4.2	69	1.4	1.1	1.1	316	282	316	316	316	282	316	316	316	316	
AA-105-434	03 FEB 81	9 16		-14.5	-14.2	-13.9	34	5.2	6.1	4.8	262	242	252	252	252	242	252	252	252	252	
-435		9 26		-14.4	-14.3	-14.5	34	4.7	6.1	4.5	266	244	255	255	255	244	255	255	255	255	
-436		9 28		-14.7	-14.4	-14.1	35	6.3	4.8	5.7	249	255	252	252	252	255	252	252	252	252	
-437		9 29		-14.4	-14.0	-13.7	35	5.2	6.1	4.8	247	252	250	250	250	252	250	250	250	250	
AA-106-438		9 38		-14.5	-14.2	-13.8	34	7.2	4.8	6.4	220	250	235	235	235	250	235	235	235	235	
-439		9 43		-14.3	-14.0	-13.7	34	5.7	5.4	5.1	225	234	230	230	230	234	230	230	230	230	
-440		9 48		-14.1	-13.7	-13.3	35	5.9	3.8	5.3	240	250	245	245	245	250	245	245	245	245	

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-SOB-081

PARAMETERS:  
 ALL DATA LISTED

DATE 02 FEB 87  
 PAGE 813

METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

TEST NO.	DATE	START TIME	HR-MN	GRADIENTS	PRE	GROUND COVER	VEGETATION	MOISTURE	NUM-BER	AUE	MAX HT	BLDG/OBSTACLES
LOG-STA/ARRAY-EVENT				(M/S)	(CIP)	(SUR)	(FACE)	(TATION)	(TURE)	(M)	(M)	(ARRAY AVERAGE)
AA-105-403	13 JAN 81	0 23		.4	.4	7	0	2	5	0	0	0
-405		0 26		.3	.3	0	0	2	5	0	0	0
-406		0 27		.4	.4	0	0	2	5	0	0	0
-410		0 45		.0	.4	0	0	2	5	0	0	0
-411		0 47		.0	.3	0	0	2	5	0	0	0
-412		0 50		.0	.3	0	0	2	5	0	0	0
-418		13 31		.2	.1	0	0	2	5	0	0	0
-419		13 35		.1	.1	0	0	2	5	0	0	0
-420		13 37		.1	.2	0	0	2	5	0	0	0
-421		13 39		.1	.2	0	0	2	5	0	0	0
-422		13 40		.1	.2	0	0	2	5	0	0	0
-423		13 42		.1	.1	0	0	2	5	0	0	0
AA-105-424	15 JAN 81	0 19		.1	.1	0	0	2	4	0	0	0
-425		0 21		.0	.0	0	0	2	4	0	0	0
-426		0 22		.0	.0	0	0	2	4	0	0	0
-427		0 23		.0	.0	0	0	2	4	0	0	0
-428		0 25		.0	.1	0	0	2	4	0	0	0
AA-106-429		0 33		.0	.0	0	0	2	4	0	0	0
-430		0 34		.1	.1	0	0	2	4	0	0	0
-431		0 36		.0	.0	0	0	2	4	0	0	0
-432		0 37		.1	.0	0	0	2	4	0	0	0
-433		0 39		.1	.0	0	0	2	4	0	0	0
AA-105-434	03 FEB 81	9 16		.1	.6	.8	0	2	3	0	0	0
-435		9 26		.0	.4	.3	0	2	3	0	0	0
-436		9 28		.1	.1	.1	0	2	3	0	0	0
-437		9 29		.1	.8	.9	0	2	3	0	0	0
AA-106-438		9 38		.2	1.4	1.2	0	2	3	0	0	0
-439		9 43		.1	1.1	.9	0	2	3	0	0	0
-440		9 48		.2	1.0	.8	0	2	3	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE C13

TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-106-403	13 JAN 81	0 23	(100% OVERCAST
-405		0 26	(100% OVERCAST
-406		0 27	(100% OVERCAST
-410		0 45	(100% OVERCAST
-411		0 47	(100% OVERCAST
-412		0 50	(100% OVERCAST
-418		13 31	(100% OVERCAST
-419		13 35	(100% OVERCAST
-420		13 37	(100% OVERCAST
-421		13 39	(100% OVERCAST
-422		13 40	(100% OVERCAST
-423		13 42	(100% OVERCAST
AA-105-424	15 JAN 81	0 19	(100% OVERCAST, MET SNOW, VERY HAZY
-425		0 21	(100% OVERCAST, MET SNOW, VERY HAZY
-426		0 22	(100% OVERCAST, MET SNOW, VERY HAZY
-427		0 23	(100% OVERCAST, MET SNOW, VERY HAZY
-428		0 25	(100% OVERCAST, MET SNOW, VERY HAZY
AA-106-429		0 33	(100% OVERCAST, MET SNOW, VERY HAZY
-430		0 34	(100% OVERCAST, MET SNOW, VERY HAZY
-431		0 36	(100% OVERCAST, MET SNOW, VERY HAZY
-432		0 37	(100% OVERCAST, MET SNOW, VERY HAZY
-433		0 39	(100% OVERCAST, MET SNOW, VERY HAZY
AA-105-434	03 FEB 81	9 16	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST
-435		9 26	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST
-436		9 28	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST
-437		9 29	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST
AA-106-438		9 38	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST
-439		9 43	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST
-440		9 48	(HAZY, WINDBLOWN ICE & SNOW, SOX OVERCAST

TABLE: METEOROLOGICAL DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
OMEGA 13.1  
TEST AA-BOB-081

PARAMETERS:  
ALL DATA LISTED

DATE 02 FEB 87  
PAGE A14

DATABASE:

TEST NO.	DATE	START TIME	TEMP			REL HUM	AFAMRL METEOROLOGICAL DATA				STATION METEOROLOGICAL DATA										
			T1	T2	T3		S1	S2	S3	S4	S1+2	AUG	D1	D2	AUD	WU	SBP	ST	SRH	SS	SD
AA-105-441	04 FEB 81	08 22	-12.4	-12.4	-12.4	39	4.9	4.3	4.4	3.9	4.6	247	249	248	-4.3	.744	-14	78	4	250	-3.8
-442		08 23	-12.4	-12.4	-12.3	39	4.3	4.5	4.0	4.1	4.4	246	255	250	-4.1	.744	-14	78	4	250	-3.8
-443		08 27	-12.2	-12.1	-12.1	39	4.0	4.2	3.6	3.7	4.1	251	257	254	-3.7	.744	-14	78	4	250	-3.8
-444		08 28	-12.2	-12.1	-12.3	39	4.5	3.6	4.0	3.2	4.1	251	265	258	-3.6	.744	-14	78	4	250	-3.8
-445		08 30	-12.0	-12.0	-12.0	40	3.9	4.5	3.5	4.0	4.2	258	261	259	-3.6	.744	-13	72	6	250	-5.8
AA-106-446		08 38	-12.0	-11.8	-11.8	40	4.7	4.6	4.4	3.9	4.7	253	265	259	4.0	.744	-13	72	6	250	5.8
-447		08 40	-11.9	-11.8	-11.7	40	5.1	4.9	4.6	4.0	5.0	242	253	248	4.7	.744	-13	72	6	250	5.8
-448		08 41	-12.0	-11.8	-11.6	40	5.1	4.5	4.5	3.8	4.8	239	260	250	4.5	.744	-13	72	6	250	5.8
-449		08 43	-11.7	-11.6	-11.5	40	5.6	5.1	5.0	4.7	5.3	258	263	260	4.5	.744	-13	72	6	250	5.8
AA-105-450	12 FEB 81	13 10	-10.3	-9.5	-7.9	23	1.8	1.6	1.6	1.5	1.7	224	183	204	-1.5	.761	-14	51	3	190	-2.0
-451		13 12	-10.0	-8.5	-6.7	26	2.2	2.2	2.0	2.1	2.2	182	184	183	-1.5	.761	-14	51	3	190	-2.0
-452		13 29	-9.2	-8.1	-7.6	26	1.5	1.5	1.3	1.4	1.5	184	198	191	-1.2	.761	-14	51	3	190	-2.0
-453		13 32	-9.4	-8.4	-7.8	26	2.1	2.0	2.0	1.8	2.1	211	152	182	-1.2	.761	-12	43	2	220	-2.0
-454		13 48	-9.1	-8.0	-6.6	30	2.5	3.5	2.4	3.1	3.0	202	202	202	-2.7	.761	-12	43	2	220	-2.0
AA-106-455		13 56	-9.3	-8.2	-6.9	37	2.6	1.5	2.3	1.4	2.0	178	177	177	1.3	.761	-12	43	2	220	2.0
-456		13 58	-9.6	-8.2	-7.2	42	2.2	2.6	1.9	2.4	2.4	152	194	173	1.3	.761	-12	43	2	220	2.0
-457		14 1	-9.2	-6.3	-5.6	33	2.7	1.5	2.5	1.3	2.1	183	207	195	1.6	.761	-12	43	2	220	2.0
-458		14 6	-9.2	-7.5	-6.8	41	1.9	1.9	1.8	1.9	1.9	174	187	180	1.3	.761	-12	43	2	220	2.0
AA-105-469	25 FEB 81	12 59	8.0	8.9	10.1	42	2.7	1.3	2.6	1.2	2.0	5	334	349	1.2	.742	7	53	2	350	1.1
-470		13 1	7.8	8.6	10.2	42	1.8	3.0	1.7	2.8	2.4	25	359	12	1.8	.742	7	53	2	350	1.1
-471		13 2	8.0	9.0	10.2	42	2.8	2.1	2.6	2.1	2.4	3	3	3	1.7	.742	7	53	2	350	1.1
-472		13 4	8.0	9.0	10.2	42	2.7	1.9	2.3	1.7	2.3	6	34	20	1.9	.742	7	53	2	350	1.1
-473		13 5	8.2	9.1	10.7	42	2.4	3.3	2.0	3.2	2.8	335	12	353	1.6	.742	7	53	2	350	1.1
AA-106-464		08 33	3.6	3.6	4.0	50	2.4	2.3	2.2	2.2	2.3	4	25	14	-1.9	.742	3	75	4	340	-1.3
-465		08 34	3.7	3.7	4.1	51	1.9	2.0	1.7	2.0	2.0	2	6	4	-1.4	.742	3	75	4	340	-1.3
-466		08 36	3.7	3.8	4.4	52	2.5	2.3	2.2	2.2	2.4	4	356	360	-1.6	.742	3	75	4	340	-1.3
-467		08 37	3.6	3.7	4.1	52	2.5	2.4	2.2	2.1	2.5	14	358	6	-1.8	.742	3	75	4	340	-1.3
-468		08 39	3.5	3.5	4.1	52	2.9	2.6	2.5	2.5	2.8	21	9	15	-2.3	.742	3	75	4	340	-1.3
-474		13 16	9.2	10.5	11.5	42	1.5	2.0	1.5	1.9	1.7	349	347	348	-9	.742	7	53	2	350	-1.1
-475		13 18	8.0	8.7	10.2	41	1.8	1.1	1.6	1.0	1.5	15	276	326	-4	.742	7	53	2	350	-1.1
-476		13 19	8.3	7.8	11.1	41	2.5	1.0	2.1	1.0	1.8	319	230	274	.5	.742	7	53	2	350	-1.1
-477		13 26	9.4	9.9	11.7	42	2.3	2.4	2.1	1.0	2.4	350	23	7	-1.7	.742	7	53	2	350	-1.1
-478		13 29	9.1	10.3	11.6	42	1.3	2.7	1.3	2.6	2.0	290	26	338	-9	.742	7	53	2	350	-1.1

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS: ALL DATA LISTED DATABASE: DATE 02 FEB 87 PAGE B14

TEST NO.	DATE	START TIME	MR-MN	GRADIENTS		M/S		PRE		GENERAL CONDITIONS		BLDG/OBSTACLES				
				AUE ALPHA	BETA	AUE ALPHA	BETA	GROUND COVER	MOIS	TURE	NUM	AUE	MAX	HT	HT	
AA-105-441	04 FEB 81	0 22		.0	-.7	-.7	0	0	0	2	3	0	0	0	0	0
-442		0 23		.0	-.6	-.6	0	0	0	2	3	0	0	0	0	0
-443		0 27		.0	-.7	-.7	0	0	0	2	3	0	0	0	0	0
-444		0 28		.1	-.7	-.6	0	0	0	2	3	0	0	0	0	0
-445		0 30		.0	-.6	-.6	0	0	0	2	3	0	0	0	0	0
AA-106-446		0 38		-.1	.7	.7	0	0	0	2	3	0	0	0	0	0
-447		0 40		-.1	1.1	1.1	0	0	0	2	3	0	0	0	0	0
-448		0 41		-.1	1.0	.9	0	0	0	2	3	0	0	0	0	0
-449		0 43		-.1	.6	.6	0	0	0	2	3	0	0	0	0	0
AA-105-450	12 FEB 81	13 10		-.5	-.2	-.7	0	0	0	2	3	0	0	0	0	0
-451		13 12		-.7	-.1	-.9	0	0	0	2	3	0	0	0	0	0
-452		13 29		-.3	-.2	-.5	0	0	0	2	3	0	0	0	0	0
-453		13 32		-.4	-.1	-.5	0	0	0	2	3	0	0	0	0	0
-454		13 48		-.5	-.3	-.9	0	0	0	2	3	0	0	0	0	0
AA-106-455		13 56		-.5	.2	-.3	0	0	0	2	3	0	0	0	0	0
-456		13 58		-.5	.2	-.4	0	0	0	2	3	0	0	0	0	0
-457		14 1		-.7	.2	-.5	0	0	0	2	3	0	0	0	0	0
-458		14 6		-.5	.1	-.4	0	0	0	2	3	0	0	0	0	0
AA-105-469	25 FEB 81	12 59		-.5	-.1	-.4	0	0	0	2	0	0	0	0	0	0
-470		13 1		-.5	-.1	-.4	0	0	0	2	0	0	0	0	0	0
-471		13 2		-.5	-.2	-.3	0	0	0	2	0	0	0	0	0	0
-472		13 4		-.5	-.4	-.1	0	0	0	2	0	0	0	0	0	0
-473		13 5		-.5	.2	-.4	0	0	0	2	0	0	0	0	0	0
AA-106-464		0 33		-.1	-.2	-.2	0	0	0	2	0	0	0	0	0	0
-465		0 34		-.1	-.1	-.2	0	0	0	2	0	0	0	0	0	0
-466		0 36		-.2	-.2	-.4	0	0	0	2	0	0	0	0	0	0
-467		0 37		-.1	-.3	-.4	0	0	0	2	0	0	0	0	0	0
-468		0 39		-.2	-.4	-.5	0	0	0	2	0	0	0	0	0	0
-474		13 16		-.5	-.1	-.6	0	0	0	2	0	0	0	0	0	0
-475		13 18		-.5	-.1	-.5	0	0	0	2	0	0	0	0	0	0
-476		13 19		-.7	.0	-.7	0	0	0	2	0	0	0	0	0	0
-477		13 26		-.5	-.3	-.1.8	0	0	0	2	0	0	0	0	0	0
-478		13 29		-.5	-.1	-.6	0	0	0	2	0	0	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE C14

TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-105-441	04 FEB 81	0 22	(BRIGHT, SUNNY, CLEAR DAY
-442		0 23	(BRIGHT, SUNNY, CLEAR DAY
-443		0 27	(BRIGHT, SUNNY, CLEAR DAY
-444		0 28	(BRIGHT, SUNNY, CLEAR DAY
-445		0 30	(BRIGHT, SUNNY, CLEAR DAY
AA-106-446		0 38	(BRIGHT, SUNNY, CLEAR DAY
-447		0 40	(BRIGHT, SUNNY, CLEAR DAY
-448		0 41	(BRIGHT, SUNNY, CLEAR DAY
-449		0 43	(BRIGHT, SUNNY, CLEAR DAY
AA-105-450	12 FEB 81	13 10	(CLEAR
-451		13 12	(CLEAR
-452		13 29	(CLEAR
-453		13 32	(CLEAR
-454		13 48	(CLEAR
AA-106-455		13 56	(CLEAR
-456		13 58	(CLEAR
-457		14 1	(CLEAR
-458		14 6	(CLEAR
AA-105-469	25 FEB 81	12 59	(90% CLEAR
-470		13 1	(90% CLEAR
-471		13 2	(90% CLEAR
-472		13 4	(90% CLEAR
-473		13 5	(90% CLEAR
AA-106-464		0 33	(100% CLEAR, LIGHT FROST
-465		0 34	(100% CLEAR, LIGHT FROST
-466		0 36	(100% CLEAR, LIGHT FROST
-467		0 37	(100% CLEAR, LIGHT FROST
-468		0 39	(100% CLEAR, LIGHT FROST
-474		13 16	(90% CLEAR
-475		13 18	(90% CLEAR
-476		13 19	(90% CLEAR
-477		13 26	(90% CLEAR
-478		13 29	(90% CLEAR

TABLE: METEOROLOGICAL DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE 815

STATION METEOROLOGICAL DATA

TEST NO.	DATE	START TIME HR-MN	TEMP DEG C	T1	T2	T3	REL HUM %	S1	S2	S3	S4	S1+2	D1	D2	AUG	AUG	DIRECTION DEG	VECTOR --M/S--	BAR PRESS M HG	TEMP REL HUM %	WIND M/S	WIND DEG	SMU
AR-105-479	27 FEB 81	7 15	-2.3	-3.7	-4.9	86	1.3	1.3	.9	1.3	1.3	60	91	.8	.748	-2	86	2	100	1.0			
-480		7 17	-2.3	-3.6	-4.8	86	1.1	1.1	.8	1.1	1.1	55	85	.9	.748	-2	86	2	100	1.0			
-481		7 18	-2.4	-3.8	-5.0	86	1.4	1.3	1.0	.9	1.4	116	62	.9	.748	-2	86	2	100	1.0			
-482		7 20	-2.3	-3.7	-4.8	86	1.3	1.3	1.0	.9	1.3	113	59	.9	.748	-2	86	2	100	1.0			
-483		7 21	-2.2	-3.9	-4.8	86	1.3	1.3	.9	1.0	1.3	112	59	.9	.748	-2	86	2	100	1.0			
-489		7 43	-2.0	-2.9	-2.9	86	1.5	1.7	1.3	1.4	1.6	100	43	71	1.3	.748	-2	86	2	80	1.8		
-490		7 45	-1.8	-2.7	-2.6	86	1.5	1.3	1.3	1.1	1.4	91	39	65	1.2	.748	-2	86	2	80	1.8		
AR-106-485		7 29	-2.0	-3.4	-4.1	86	1.4	1.3	1.0	1.0	1.3	118	61	90	.9	.748	-2	86	2	100	-1.0		
-486		7 31	-2.0	-3.3	-4.2	86	1.4	1.3	1.0	.9	1.3	113	63	88	.9	.748	-2	86	2	80	-1.8		
-487		7 32	-1.9	-3.6	-4.1	86	1.3	1.3	1.0	1.1	1.3	100	59	79	-1.1	.748	-2	86	2	80	-1.8		
-488		7 34	-2.0	-3.6	-4.0	86	1.5	1.4	1.1	1.2	1.4	100	57	78	-1.2	.748	-2	86	2	80	-1.8		
-491		7 51	-1.6	-1.8	-1.6	86	1.9	1.9	1.5	1.6	1.9	107	60	84	-1.4	.748	-2	86	2	80	-1.8		
-492		7 53	-1.5	-1.6	-1.4	86	2.0	1.5	1.8	1.2	1.8	109	58	83	-1.3	.748	-2	86	2	80	-1.8		

METEOROLOGICAL STATISTICS:

MINIMUM	(-17.4	-17.4	-17.2	23	.0	.0	.0	.0	0	0	0	3	0	-6.1	.719	-10	27	0	0	-8.2
MAXIMUM	(31.4	32.4	34.4	100	7.2	6.7	6.4	4.7	6.3	360	359	360	5.8	.761	31	100	9	360	0.2	
AVERAGE	(7.4	7.5	7.8	71	2.2	2.4	1.7	1.9	2.2	151	243	134	-1.1	.742	7	72	2	256	.1	
STANDARD DEVIATION	(11.8	11.9	12.2	20	1.5	1.6	1.4	1.2	1.5	99	100	98	2.1	.006	12	17	2	90	2.6	
NUMBER OF DATA POINTS	(415	415	415	415	404	165	308	106	404	362	150	362	415	415	415	415	415	304	415	

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATE 02 FEB 87  
 PAGE 315

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

TEST NO.	DATE	START TIME	HR-MN	LOG-STA/ARRAY-EVENT	GRADIENTS	GENERAL CONDITIONS											
						AUE	AUE ALPHA	BETA	PRE	GROUND COVER	BLDG/OBSTACLES	NUM-BER	AUE	MAX	MT	MT	
AA-105-479	27 FEB 81	7 15			.5	.4	.9	0	0	2	7	0	0	0	0	0	0
-480		7 17			.5	.4	.9	0	0	2	7	0	0	0	0	0	0
-481		7 18			.5	.5	1.0	0	0	2	7	0	0	0	0	0	0
-482		7 20			.5	.4	1.0	0	0	2	7	0	0	0	0	0	0
-483		7 21			.5	.5	1.0	0	0	2	7	0	0	0	0	0	0
-489		7 43			.2	.4	.6	0	0	2	7	0	0	0	0	0	0
-490		7 45			.1	.3	.4	0	0	2	7	0	0	0	0	0	0
AA-106-485		7 29			.4	.3	.1	0	0	2	7	0	0	0	0	0	0
-486		7 31			.4	.4	.0	0	0	2	7	0	0	0	0	0	0
-487		7 32			.4	.4	.0	0	0	2	7	0	0	0	0	0	0
-488		7 34			.4	.4	.0	0	0	2	7	0	0	0	0	0	0
-491		7 51			.0	.4	-.4	0	0	2	7	0	0	0	0	0	0
-492		7 53			.0	.3	-.4	0	0	2	7	0	0	0	0	0	0

METEOROLOGICAL STATISTICS:

MINIMUM	( -.9	-1.4	-1.8
MAXIMUM	( .7	1.8	1.9
AVERAGE	( -.1	.0	-.1
STANDARD DEVIATION	( .3	.5	.6
NUMBER OF DATA POINTS	( 415	250	250



TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DATE 02 FEB 87  
 PAGE C15

TEST NO.	DATE	START TIME HR-MIN	METEOROLOGICAL COMMENT
AA-105-479	27 FEB 81	7 15	(50% CLOUD COVER
-480		7 17	(50% CLOUD COVER
-481		7 18	(50% CLOUD COVER
-482		7 20	(50% CLOUD COVER
-483		7 21	(50% CLOUD COVER
-489		7 43	(20% CLOUD COVER
-490		7 45	(20% CLOUD COVER
AA-106-485		7 29	(40% CLOUD COVER
-486		7 31	(40% CLOUD COVER
-487		7 32	(40% CLOUD COVER
-488		7 34	(20% CLOUD COVER
-491		7 51	(20% CLOUD COVER
-492		7 53	(20% CLOUD COVER

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-503-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE 01

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-101-034	29 NOV 79	11 1	-0.6	-0.9	-0.8	-0.8	0.5	-0.6	0.3	0.9	1.7	3.1	4.9	6.9	9.7	11.0	20.6		
AA-101-036	06 DEC 79	11 14	1.1	0.3	0.2	0.1	0.4	-0.3	0.0	0.9	1.8	4.7	10.9	19.6	15.8	12.4	28.6		
-037	15 15	1.1	0.5	0.2	0.5	0.9	-0.3	0.5	1.1	1.6	2.9	4.9	9.4	12.4	12.6	30.4			
AA-101-038	12 DEC 79	10 50	2.1	2.0	1.9	2.6	2.8	2.4	3.1	3.8	4.7	6.6	8.3	11.2	15.1	17.7	32.2		
-039	11 18	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
-040	13 10	1.5	1.2	0.7	0.9	0.9	-0.1	0.5	1.1	2.1	6.2	14.0	15.2	10.2	6.6	29.5			
AA-101-041	13 DEC 79	11 30	0.2	-0.1	0.3	0.1	0.7	0.2	1.0	1.3	1.5	2.1	6.8	14.1	11.7	7.8	42.0		
AA-101-043	14 DEC 79	12 6	-0.8	-0.4	-0.1	-0.2	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-1.5	1.9	6.3	5.5	29.5		
AA-101-044	23 JAN 80	11 54	-1.8	-1.4	-0.9	-1.3	0.4	-0.6	0.3	1.1	2.6	4.2	5.7	9.0	11.7	13.6	29.6		
AA-101-047	29 JAN 80	11 42	-1.4	-1.1	-1.0	-1.5	-0.1	-0.6	0.5	0.3	1.1	1.8	3.3	4.9	6.1	42.9			
-049	13 27	-1.3	-0.7	-0.3	-0.4	0.5	-0.6	0.3	0.5	1.0	2.5	4.7	10.9	15.1	10.8	30.4			
AA-101-052	05 FEB 80	13 37	-1.9	-1.7	-1.4	-1.7	-0.8	-2.2	-1.6	-1.5	-1.1	0.3	3.3	10.5	13.3	8.9	29.1		
AA-101-054	13 FEB 80	11 26	-1.7	-1.6	-1.2	-1.8	-0.8	-2.0	-0.6	1.3	6.9	16.1	17.8	14.5	12.5	10.8	34.5		
-055	11 53	-1.6	-1.5	-1.0	-1.7	-0.9	-0.9	-0.2	1.4	6.1	14.7	19.5	19.1	18.5	18.3	39.4			
-056	12 4	0.2	-0.2	0.0	-1.2	0.1	-1.2	0.6	2.3	6.9	16.2	20.5	18.7	17.4	16.5	37.5			
AA-101-060	14 FEB 80	9 54	-0.5	-0.4	-0.1	-0.9	0.3	-0.9	0.1	1.2	5.1	12.2	17.9	16.2	13.5	11.7	47.5		
-061	11 3	1.4	4.4	4.7	4.7	5.5	4.9	5.7	7.0	9.8	16.1	21.9	29.0	22.0	21.1	31.4			
AA-101-065	20 FEB 80	11 19	-0.7	-0.6	-0.6	-1.0	-0.2	-1.5	-1.0	-0.5	1.4	3.6	3.0	2.4	5.2	11.7	32.2		
AA-102-067	13 11	5.5	3.7	2.7	2.2	2.5	0.9	-0.2	0.0	1.4	1.4	0.2	-1.8	-1.4	0.4	29.5			
AA-101-068	21 FEB 80	14 10	-5.4	-3.1	-2.8	-3.1	-2.5	-3.6	-3.5	-3.8	-3.3	-3.0	-3.1	-2.5	-0.9	2.7	29.6		
-069	14 13	-1.8	-0.6	-0.9	-0.3	-0.8	-0.8	-1.3	-1.4	-1.5	-1.6	-0.9	0.6	4.4	7.3	30.8			
AA-102-070	14 33	5.1	2.2	2.3	1.1	1.8	0.8	-0.6	0.7	2.2	2.3	1.7	1.4	0.8	2.3	31.3			
AA-102-071	22 FEB 80	14 48	4.9	3.8	2.1	1.2	1.2	-0.1	-2.0	-1.5	2.1	4.4	6.1	8.3	12.5	7.5	22.8		
-072	14 53	5.2	2.8	2.7	1.2	0.5	0.2	-1.8	-1.7	0.2	3.3	7.0	9.7	11.1	7.6	34.4			
AA-101-073	27 FEB 80	11 57	6.4	2.1	0.1	1.7	3.5	9.4	15.7	17.2	16.6	15.1	12.3	9.9	9.2	22.7			
AA-101-074	01 APR 80	11 3	1.1	0.7	0.7	0.5	1.9	0.2	0.9	1.7	2.5	4.0	6.9	11.3	15.9	16.0	41.5		
-075	11 22	1.1	0.4	0.0	-0.3	2.1	0.0	1.1	2.1	3.0	4.4	7.1	11.5	15.7	15.0	33.5			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE E1

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																OSPL AL (DB) (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000							
AA-101-034	29 NOV 79	11 1	11.3	12.9	11.9	11.0	10.8	9.5	9.9	10.1											2.2	8.3
AA-101-036	06 DEC 79	11 14	8.3	5.5	.6	-2.2	-2.1	-2.2	.2	.8											3.2	3.4
-037		15 15	11.3	11.8	11.5	12.0	12.2	10.4	11.2	10.7											2.9	8.7
AA-101-038	12 DEC 79	10 50	17.1	16.7	15.4	14.9	14.7	12.8	13.4	13.5											5.6	11.8
-039		11 18	6.4	5.0	1.5	-3	-8	-1.5	.0	.5											.2	3.4
-040		13 10	2.8	1.3	-8	-6	.3	.6	2.2	3.4											1.7	4.2
AA-101-041	13 DEC 79	11 30	4.8	4.5	1.8	.6	1.0	.2	2.7	3.7											1.0	3.1
AA-101-043	14 DEC 79	12 6	5.2	.5	-1.7	-2.1	-3.2	-3.8	-3.7	-3.4											-3.2	-4
AA-101-044	23 JAN 80	11 54	14.3	12.8	12.2	12.1	11.5	10.5	11.2	11.4											2.3	8.4
AA-101-047	29 JAN 80	11 42	7.4	4.7	3.4	2.2	1.8	1.2	2.0	2.5											1.8	1.3
-049		13 27	7.9	2.9	.8	-6	-7	.9	.4	.8											-1.3	1.4
AA-101-052	05 FEB 80	13 37	6.5	4.7	5.1	5.3	4.4	2.3	1.4	.6											-.1	.2
AA-101-054	13 FEB 80	11 26	8.6	6.4	6.7	6.8	5.8	5.0	5.6	5.4											4.9	4.5
-055		11 53	18.0	16.3	16.6	16.5	16.2	15.4	16.1	16.5											-3	
-056		12 4	15.5	13.5	13.7	13.3	13.4	12.7	13.0	13.4											12.7	11.8
AA-101-060	14 FEB 80	9 54	9.8	7.0	6.9	6.4	5.6	4.1	4.3	4.2												
-061		11 3	20.8	19.2	19.8	19.5	18.8	17.4														
AA-101-065	20 FEB 80	11 19	18.8	10.5	6.6	3.9	2.7	.6	.3	-.2											-1.2	-9
AA-102-067		13 11	4.5	6.9	7.3	2.6	-2.7	-3.9	-3.7	-1.7											-1.4	-1.6
AA-101-068	21 FEB 80	14 10	6.9	2.8	-.4	-2.6	-2.8	-1.5	-.5	-1.9											-3.4	-2.7
-069		14 13	10.5	6.7	3.4	.9	-1.7	-.5	-.7	-1.0											-1.6	-1.1
AA-102-070		14 33	4.2	4.0	4.5	4.5	2.1	2.1	1.7	1.4											-1.2	-.9
AA-102-071	22 FEB 80	14 48	1.6	-3.0	-4.0	-2.3	-2.1	-1.4	-.3	.8											1.6	-.3
-072		14 53	.4	-4.1	-5.4	-2.8	-4.4	-3.4	-2.1	-1.6											.0	-2.1
AA-101-073	27 FEB 80	11 57	8.1	6.7	6.8	5.9	5.7	3.9	4.5	3.6											4.6	4.5
AA-101-074	01 APR 80	11 3	15.3	13.2	13.1	12.8	14.2	12.7	14.2	12.8												
-075		11 22	14.2	11.5	9.2	6.9	7.9	5.6	6.2	4.7											5.5	7.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 ) ONEDA 13.1  
 ) TEST 00-000-001

PARAMETERS:  
 ) DATABASE:  
 ) DISTANCE 134 M )  
 ) ) )  
 ) ) )  
 ) DATE 02 FEB 67 )  
 ) PAGE 52 )

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-101-076	03 APR 80	11 17	1.2	.5	.4	.2	1.7	.1	.8	1.5	2.6	4.5	7.5	12.1	17.0	16.0	30.4		
-077	14 12	1.1	.5	.1	.0	1.4	-.2	.5	1.4	2.6	4.6	8.5	17.6	18.6	14.3	38.2			
AA-101-080	10 APR 80	9 39	1.3	1.1	1.1	1.2	2.7	1.5	1.9	2.7	3.3	4.7	6.5	8.6	10.9	12.1	19.6		
-081	10 47	1.0	.9	.6	.8	2.0	1.0	1.9	2.7	3.5	5.2	6.9	9.2	12.2	15.5	34.4			
-082	11 47	1.1	.7	.8	.8	2.6	.8	2.2	3.6	4.8	6.2	8.0	10.9	14.3	17.6	31.3			
-083	12 3	1.0	.7	.5	.9	1.8	1.5	2.0	2.8	3.7	5.1	7.1	11.0	15.7	19.2	32.1			
AA-101-087	11 APR 80	10 51	1.4	1.1	.8	1.1	2.3	.7	1.4	2.3	3.0	4.3	6.5	9.1	12.8	19.8	32.6		
AA-101-088	16 APR 80	10 4	.8	.5	-.2	-.8	.7	-.1	.4	.8	2.2	4.9	10.0	17.7	16.4	11.0	34.4		
AA-101-089	17 APR 80	11 23	.9	.4	.3	.3	1.8	.0	.9	2.0	2.9	4.4	6.5	8.4	11.2	13.3	29.5		
AA-101-090	18 APR 80	11 6	.5	.2	.0	.0	1.5	-.2	.6	1.6	2.4	3.7	5.6	7.9	10.5	12.4	32.1		
AA-101-092	22 APR 80	11 2	.6	.7	.9	1.2	3.3	1.9	3.6	5.1	6.6	8.3	10.5	14.0	18.5	21.3	38.3		
AA-101-094	06 MAY 80	14 33	-1.8	-1.6	-1.5	-1.3	.2	-.6	1.2	2.8	4.5	7.5	11.8	15.7	13.7	11.8	29.5		
AA-101-096	08 MAY 80	10 26	-1.8	-1.7	-.2	-.2	.5	1.6	2.8	2.4	2.6	6.2	12.5	13.0	9.4	6.5	24.1		
AA-101-099	09 MAY 80	12 29	-1.5	-1.4	-1.2	-1.0	.8	-.6	1.0	2.7	4.7	7.4	10.6	12.9	13.9	15.1	29.5		
AA-103-101	09 SEP 80	7 10	2.6	2.4	2.0	2.2	2.7	2.2	2.7	4.5	6.9	12.4	19.6	18.5	15.8	13.1	30.9		
-103	7 24	3.1	3.0	2.4	2.9	3.3	2.8	3.6	5.2	8.0	13.8	22.7	18.7	15.6	11.2	29.5			
-105	7 35	3.0	3.2	2.6	3.1	3.4	2.9	3.9	5.4	8.1	13.5	21.6	19.5	16.5	12.0	32.2			
-107	7 45	3.4	3.2	2.7	3.4	3.4	3.2	4.0	5.4	8.1	13.2	20.5	18.7	15.8	11.6	34.4			
-109	7 55	2.7	2.3	1.8	2.5	2.7	2.3	3.1	4.5	6.9	11.6	17.8	18.2	16.0	12.3	30.4			
-111	12 26	2.4	2.6	2.4	3.3	3.6	3.4	4.2	5.4	7.1	10.1	12.9	14.4	17.6	19.6	40.7			
-112	12 58	2.5	2.7	2.8	3.6	4.9	4.6	5.8	7.6	9.2	12.4	14.8	16.9	22.4	25.6	30.4			
-114	13 10	2.5	2.5	2.2	3.3	4.0	3.9	5.0	6.9	8.1	10.7	12.8	15.1	20.1	21.7	32.6			
-116	13 23	2.5	2.4	2.5	3.2	4.0	3.6	4.4	5.9	7.8	10.7	13.3	14.2	18.4	21.8	30.4			
-118	13 37	3.4	3.4	3.4	4.5	4.9	5.1	5.9	7.1	8.8	11.7	14.4	15.8	20.0	22.5	32.2			
-120	13 53	3.2	3.0	3.1	4.0	4.7	4.6	5.8	7.1	8.8	11.7	14.6	16.6	21.3	23.0	29.1			
-122	14 8	2.7	2.6	2.7	3.2	4.1	4.1	5.3	6.6	8.3	10.9	12.7	14.0	18.8	21.3	28.6			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE E2

PARAMETERS:  
 ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (MR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OMSP L (DB)	AL (DBA)
AA-101-076	03 APR 80	11 17	14.0	11.3	9.2	7.9	8.7	6.5	4.6	4.9	5.5	6.2	6.2	6.2	2.6	6.2	
-077		14 12	10.6	6.2	3.0	.9	-1.7	.0	-4.4	.6	.3	1.6	.4	.4	4.3	4.8	
AA-101-080	10 APR 80	9 39	11.7	11.5	11.5	10.8	11.5	10.1	11.3	9.6					4.8	9.5	
-081		10 47	17.0	16.0	15.9	15.2	15.9	14.0							4.3	10.1	
-082		11 47	19.7	19.6	19.4	18.9	19.2	17.5							5.1	11.7	
-083		12 3	19.4	18.5	16.0	16.2	15.9	11.6							3.1	7.5	
AA-101-087	11 APR 80	10 51	16.8	16.3	15.7	15.2	15.5	13.4	14.3						5.1	11.3	
AA-101-088	16 APR 80	10 4	5.7	1.5	.8	.0	1.8	1.4	4.2						2.1	4.9	
AA-101-089	17 APR 80	11 23	14.4	14.5	15.4	15.4	16.0	14.0	15.3						4.5	11.0	
AA-101-090	18 APR 80	11 6	12.4	11.5	12.3	13.1	13.8	11.8							4.1	9.6	
AA-101-092	22 APR 80	11 2	22.7	22.3	22.0	21.0	21.0	18.5	19.7	18.2					6.9	14.9	
AA-101-094	06 MAY 80	14 33	10.0	6.4	4.4	2.2	2.0	-1.3	-7	-2.0	-1.4	-0.8	-2.6	-5.3	4.3	4.6	
AA-101-096	08 MAY 80	10 26	4.6	2.3	1.8	1.2	2.4								1.5	4.0	
AA-101-099	09 MAY 80	12 29	16.1	15.4	16.0	15.9	16.4	14.3							4.6	11.9	
AA-103-101	09 SEP 80	7 10	10.3	8.0	4.7	2.6	1.5	-7	3.7	5.0	3.3	2.6	5.2	2.0	2.5	6.9	6.1
-103		7 24	7.9	5.0	1.5	-1.2	2.2	5.7	3.0	6.5	6.1	4.7	7.5	5.3	6.1	7.0	5.5
-105		7 35	7.9	4.8	.9	-1.7	.7	3.7	5.0	5.0	7.1	3.7	7.1	5.2	6.2	7.1	5.4
-107		7 45	7.7	5.2	1.5	-1.4	-1.3	-1.8	4.1	5.4	4.7	3.7	4.8	2.9	4.4	6.9	4.5
-109		7 55	9.4	7.9	5.0	2.1	.1	-2.7	-1	1.5	2.6	-5	1.8	1.4	6.4	4.7	
-111		12 26	20.6	21.1	19.7	19.7	19.8	16.7	17.4						7.1	14.2	
-112		12 58	24.0	24.4	23.8	24.1	23.9	20.5	22.2	23.6					10.2	17.8	
-114		13 10	20.7	21.2	21.2	22.0	22.2	18.9	20.3	21.5	21.2				9.1	16.4	
-116		13 23	23.2	23.6	23.6	23.9	23.9	20.7	21.7	23.1	22.5				8.9	16.9	
-118		13 37	23.3	23.6	24.1	24.7	24.6	21.3	22.5	22.4	22.1				9.7	17.1	
-120		13 53	23.1	24.5	24.5	24.8	24.8	21.3	22.3	23.0	21.5				9.9	17.6	
-122		14 8	21.4	22.4	22.2	22.3	22.4	19.2	20.3	21.4	20.4				9.1	16.2	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE 03

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-104-102	09 SEP 80	7 17	.5	.3	-.1	.4	1.0	.2	.5	2.3	6.0	13.2	19.5	9.4	6.9	6.1	32.7			
-104		7 30	.4	.8	-.1	.7	1.4	-.2	.6	2.3	5.9	13.1	20.3	10.0	8.2	7.0	34.5			
-106		7 40	.3	.6	-.3	.4	1.5	-.3	.5	2.2	5.4	11.9	19.3	11.9	8.9	7.2	38.9			
-108		7 50	.1	.8	-.2	.8	1.5	-.2	.8	2.4	5.7	12.3	19.2	11.8	8.9	7.2	32.7			
-110		8 1	.1	.5	-.2	.5	1.4	-.4	.6	2.4	6.2	13.5	22.0	10.8	8.2	6.4	39.4			
-113		13 4	-.4	-.8	-1.5	-.7	-.2	-1.5	-1.7	-.2	3.6	11.3	20.0	8.0	4.2	2.6	35.4			
-115		13 16	-.4	-.4	-1.0	-.2	.7	-1.0	-.9	.4	4.1	11.0	18.4	9.7	6.5	4.8	35.4			
-117		13 29	-.4	-.4	-1.0	-.2	.0	-.9	-.9	.4	3.8	11.0	18.4	9.5	6.1	5.6	30.9			
-119		13 47	-.4	-.2	-1.2	-.2	-.2	-1.0	-.0	.0	3.2	10.1	17.7	10.1	5.7	5.6	32.7			
-121		14 3	-.8	-.7	-1.8	-.9	-.4	-1.5	-1.5	.0	4.0	12.1	20.9	11.1	6.5	4.7	30.0			
AA-103-125	10 SEP 80	6 58	2.3	1.6	1.2	1.4	1.5	1.0	1.5	2.3	3.8	7.5	13.4	20.9	17.1	13.5	30.4			
-127		7 11	2.2	1.8	1.8	1.9	2.2	1.7	1.9	2.5	3.9	7.1	12.1	20.8	16.8	13.6	29.7			
-129		7 22	1.2	1.6	1.7	2.0	2.2	1.7	2.2	2.6	4.0	7.1	11.6	20.4	18.9	16.6	29.5			
-131		7 33	2.6	2.2	1.8	2.2	2.3	1.7	2.1	2.9	4.3	7.9	13.7	21.0	16.4	12.1	29.1			
-133		7 44	2.5	1.9	1.7	1.8	1.8	1.4	1.8	2.4	3.9	7.4	12.8	20.7	17.9	14.7	29.1			
-135		13 0	1.6	1.4	1.5	1.9	2.3	1.6	1.9	2.6	3.6	5.4	7.3	10.1	15.5	15.9	29.5			
-137		13 10	1.4	1.2	1.0	1.3	1.7	1.1	1.6	2.2	3.3	5.3	8.2	12.4	16.7	14.6	30.4			
-139		13 19	1.2	1.1	1.0	1.6	1.9	.9	1.3	2.1	3.0	5.0	6.6	9.5	14.5	14.2	30.4			
-141		13 29	1.3	1.0	.8	1.3	1.5	.8	1.3	2.0	3.0	5.1	8.2	13.4	18.5	14.4	30.4			
-143		13 44	1.2	.8	.7	.9	1.3	.4	1.0	1.7	2.8	4.7	7.2	11.1	15.3	13.2	30.4			
AA-104-126		7 4	.9	1.2	.2	1.0	1.6	.2	-.1	.5	2.1	5.7	8.8	11.8	14.4	11.4	38.5			
-128		7 16	.8	1.2	.2	.7	1.8	.1	-.3	.4	2.3	5.5	9.4	13.6	16.0	12.6	31.3			
-130		7 28	1.2	1.5	.5	1.2	2.0	.6	-.3	.9	2.7	6.1	9.5	13.2	15.7	12.4	31.3			
-132		7 39	.8	1.4	.4	1.0	2.0	.3	.1	.7	2.5	5.6	8.8	11.7	13.8	11.9	31.3			
-134		7 50	1.1	1.4	.5	1.2	2.1	.4	.1	.9	2.5	5.7	8.7	11.0	13.5	12.5	30.4			
-136		13 4	.0	.3	-.6	-.1	.7	-.6	-.7	-.1	1.3	4.0	6.9	5.1	7.4	8.7	30.4			
-138		13 14	.1	.4	-.8	-.1	.5	-.3	.3	1.0	2.5	5.0	7.4	6.2	9.0	12.3	29.5			
-140		13 24	.7	.5	-.4	.4	1.3	.1	.6	1.6	3.3	5.5	8.0	6.2	9.0	11.7	30.8			
-142		13 36	-.2	-.6	-1.5	-.9	-.3	-1.0	-.8	.2	1.9	4.3	6.6	5.5	8.4	10.7	28.2			
-144		13 49	-.2	-.4	-1.3	-.9	-.6	-1.1	-.6	.2	1.6	4.0	6.6	4.8	7.7	10.0	29.5			
AA-103-145	16 SEP 80	7 19	1.6	1.6	1.1	1.5	1.5	1.1	2.2	3.6	6.2	12.4	23.2	16.6	12.0	7.7	38.0			
-147		7 34	1.8	1.7	1.2	1.9	1.8	1.5	2.5	3.7	6.2	11.8	21.4	18.5	14.7	11.9	34.4			
-149		7 47	1.2	1.7	1.2	2.1	1.7	2.0	2.5	3.4	5.9	11.4	19.8	17.9	14.4	11.8	29.5			
-151		8 0	1.4	1.9	1.5	2.3	1.9	2.0	2.5	3.5	5.5	9.7	15.5	17.6	14.7	13.3	30.4			
-153		8 12	2.2	2.1	1.9	2.6	2.0	2.6	3.1	4.0	5.7	9.5	15.3	18.8	17.0	15.0	30.9			
-155		13 12	2.4	2.4	2.1	2.7	2.7	2.5	3.2	4.1	5.9	9.3	13.7	17.7	18.4	16.8	30.4			
-156		13 21	2.2	2.5	2.1	3.0	2.9	2.6	3.4	4.5	6.1	9.2	13.0	16.7	19.2	19.7	29.5			
-158		13 49	2.3	2.4	2.2	2.9	3.2	2.7	3.4	4.6	6.2	9.2	12.7	15.8	18.2	18.3	32.2			
-159		13 51	2.4	2.5	2.4	3.0	3.3	2.9	3.4	4.5	6.2	9.4	13.3	17.0	19.3	18.0	32.2			
-160		13 54	2.9	2.4	2.2	2.8	3.1	2.5	3.2	4.4	6.0	9.2	13.0	16.8	19.5	18.9	33.1			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 134 M

DATE 02 FEB 87  
 PAGE E3

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-102	09 SEP 80	7 17	4.2	2.4	1.7	-7	-8	2.3	6.1	4.2	2.9	3.0	5.0	1.8	4.0	3.1	2.8
-104		7 30	5.7	3.2	1.4	7	-5	-1.5	1.4	3.8	2.9	1.1	3.3	4	2.2	3.3	2.7
-106		7 40	6.3	4.3	2.9	1.8	2	-1.9	-1.9	1.2	2.3	1.6	2.6	1.4	1.4	3.0	2.3
-108		7 50	6.0	4.1	2.6	1.9	-1	-3.0	-2.4	1.0	2.3	1.3	2.8	1.0	2.1	3.4	2.5
-110		8 1	4.8	1.9	1.1	-4	0	1.8	2.7	3.2	4.3	1.7	3.5	1.8	3.7	3.4	2.6
-113		13 4	-1	-3.2	-4.8	-3.5	-1.1	-2.2	-1.9	1.7	1.1	-6	1.2	-5	1.9	1.6	-2
-115		13 16	2.4	-6	-2.9	-3.2	-3.0	-8	1	1.6	1.6	-9	1.4	-3	1.6	2.3	1.7
-117		13 29	3.7	8	-1.6	-2.1	-3.5	-2.6	1.2	1.9	3.0	1.7	1.9	1.6	3.4	2.4	1.2
-119		13 47	3.8	1.4	-8	-1.4	-2.2	-8	1.8	2.4	4.6	1.7	1.9	2.7	2.2	2.2	1.9
-121		14 3	1.7	-1.6	-3.6	-2.8	1.3	-7	-1.8	1.6	1.5	1.7	1.9	2.7	2.2	1.9	1.8
AA-103-125	10 SEP 80	6 58	9.4	6.4	3.2	2.1	4.5	2.9	3.2	6.4	6.6	4.1	6.6	2.8	3.0	5.1	6.2
-127		7 11	9.9	6.5	2.3	-9	-4	1.7	2.9	3.1	4.5	1.1	4.5	1.5	2.0	5.0	4.9
-129		7 22	12.4	9.2	5.9	3.4	3.0	3.7	5.9	6.3	7.6	3.2	7.1	3.3	3.2	5.7	7.3
-131		7 33	7.8	5.3	3.4	3.0	7.0	2.4	4.0	6.4	6.8	3.4	5.8	2.6	4.1	5.5	6.3
-133		7 44	11.6	8.9	5.5	3.5	5.4	5.4	5.1	8.2	7.7	5.6	8.7	4.1	4.1	5.5	7.8
-135		13 0	13.5	11.0	8.4	6.3	5.0	2.0	3.8	4.7	4.7	2.8	2.9	1.7	2.0	5.0	7.1
-137		13 10	11.3	9.2	6.1	3.7	1.5	2	1.1	2.1	2.1	-1.5	3.0	-1	1.8	4.5	4.8
-139		13 19	12.9	12.0	10.3	8.6	6.9	3.7	5.3	5.7	5.4	3.1	7.0	4.1	4.1	4.6	8.0
-141		13 29	10.2	7.0	3.4	1.0	-1	-2.8	1.0	1.5	2.0	-6	2.8	-1	1.1	4.0	4.2
-143		13 44	9.3	7.5	4.3	1.3	0	-3.0	-1.3	-2	1.8	-1.0	1.3	-1.9	1.7	3.7	3.6
AA-104-126		7 4	8.9	7.4	6.0	6.8	5.8	3.5	3.2	3.9	5.5	3.7	5.6	3.1	6.3	3.0	5.5
-128		7 16	9.9	8.4	7.1	7.4	5.9	3.6	3.6	4.6	6.8	4.5	6.8	4.3	7.6	2.9	5.9
-130		7 28	9.6	8.4	7.2	7.7	6.3	3.7	3.3	4.0	6.2	4.1	5.9	3.2	6.1	3.3	5.9
-132		7 39	9.6	8.6	8.1	9.3	8.8	6.8	7.6	8.5	9.2	8.8	11.0	8.9	11.6	3.2	7.4
-134		7 50	9.5	8.4	7.3	8.6	8.6	6.5	7.0	8.2	9.1	8.0	10.4	8.1	11.4	3.2	7.1
-136		13 4	7.9	7.3	6.7	8.1	8.6	6.5	6.8	8.5	10.2	8.0	10.4	8.1	11.4	2.1	5.8
-138		13 14	13.9	14.6	16.6	16.6	17.2	15.8	16.6	17.2	15.8	16.6	17.2	15.8	16.6	3.0	8.1
-140		13 24	13.2	14.0	11.7	13.1	13.7	12.4	13.1	13.7	12.4	13.1	13.7	12.4	13.1	3.5	7.9
-142		13 36	12.2	12.7	13.3	14.1	14.8	14.3	14.1	14.8	14.3	14.1	14.8	14.3	14.1	2.2	6.9
-144		13 49	11.2	11.2	11.1	12.9	14.0	12.8	12.9	14.0	12.8	12.9	14.0	12.8	12.9	2.2	6.6
AA-103-145	16 SEP 80	7 19	2.5	-7	-3.7	-2.0	2.5	-1.8	3.3	5.6	7.2	5.0	8.2	6.4	7.1	4.9	2.7
-147		7 34	7.2	3.3	-1.5	-2.1	4.7	2.9	3.0	7.4	8.1	6.2	10.0	7.9	8.3	6.0	5.1
-149		7 47	7.9	4.9	1.9	-2.1	-2.0	1.2	5.3	2.1	4.2	3.0	5.7	4.0	5.1	5.5	3.9
-151		8 0	10.5	8.6	5.5	3.4	1.7	-1.3	2.2	1.6	1.5	-2.0	1.6	-2.6	-1.0	5.6	4.8
-153		8 12	12.3	10.2	7.3	5.0	3.2	-1	1.0	1.1	1.8	-1.7	1.2	-2.3	-3	6.2	5.8
-155		13 12	14.7	13.6	11.9	11.1	10.2	6.6	8.5	9.1	8.4	6.6	10.0	7.4	8.5	7.3	11.1
-156		13 21	19.1	19.1	18.4	18.5	18.1	15.0	16.6	17.1	16.2	14.8	17.2	14.8	17.2	7.8	15.1
-158		13 49	17.3	18.1	18.1	17.4	16.7	13.8	16.1	16.8	15.5	15.1	17.0	15.1	17.0	7.7	14.4
-159		13 51	16.2	16.1	15.2	15.1	14.9	11.8	14.1	15.1	14.8	13.4	15.6	13.4	15.6	7.9	13.8
-160		13 54	17.9	18.2	17.4	17.0	16.0	12.9	14.1	14.8	14.5	12.8	15.6	12.2	15.6	7.9	14.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION: )  
 OMEGA 13.1 )  
 TEST AA-BOB-081 )  
 DATABASE: )  
 DISTANCE 134 M )  
 DATE 02 FEB 87 )  
 PAGE D4 )

PARAMETERS:  
 ALL DATA LISTED

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-157	16 SEP 80	13 42	.6	.8	-2	.4	1.1	-9	-1	1.3	4.3	10.3	19.2	13.0	10.0	7.5	31.3		
-161		14 0	.6	.9	-4	.5	1.4	-4	.5	1.5	4.4	10.8	20.4	12.7	8.3	6.0	24.6		
-162		14 11	.4	.7	-5	-1	.9	-8	.1	1.3	4.3	10.6	20.2	11.5	7.5	5.2	29.5		
-163		14 13	.8	.6	.4	1.1	.4	1.1	.1	1.4	4.3	10.6	20.5	13.4	8.4	6.8	35.3		
AA-103-164	17 SEP 80	7 5	7.7	7.7	7.2	7.9	8.6	8.3	8.8	9.7	10.5	12.6	14.6	16.6	23.2	26.2	33.5		
-165		7 12	7.7	7.6	7.4	8.0	8.5	8.0	8.6	9.5	10.2	12.2	14.2	16.5	23.3	25.9	36.2		
-166		7 20	7.8	7.7	7.6	8.0	8.6	8.3	8.6	9.4	10.3	12.3	14.2	16.1	22.4	25.0	31.3		
-170		7 44	8.0	7.7	7.6	8.0	8.1	8.4	8.8	9.3	9.7	11.8	13.9	15.7	20.3	23.8	35.3		
-171		7 47	7.8	7.3	7.0	7.5	7.8	7.9	8.5	9.1	10.0	12.0	13.8	15.2	19.6	22.5	32.1		
-175		13 12	6.9	6.6	6.1	6.3	6.7	6.0	7.3	8.0	9.5	12.9	18.3	24.2	22.3	19.4	29.0		
-176		13 22	6.8	6.8	6.2	6.6	6.8	6.4	7.3	7.9	9.0	12.1	17.0	23.9	22.4	19.2	29.5		
-177		13 24	7.3	6.9	6.8	7.1	7.3	6.9	7.8	8.6	9.5	12.6	16.9	25.2	24.6	21.5	32.6		
-178		13 28	7.2	6.6	6.3	6.8	7.3	6.7	7.5	8.3	9.3	12.4	17.1	25.7	23.0	20.0	34.8		
-179		13 34	6.9	6.8	6.6	7.0	7.3	7.0	7.9	8.8	9.8	12.6	16.9	25.3	23.9	21.7	30.1		
AA-104-167		7 27	-7	-7	-1.0	-3	.1	-1.7	-1.7	-8	1.5	6.5	13.2	18.7	16.0	8.8	35.8		
-168		7 30	-1.0	-4	-1.4	-8	-6	-3.1	-2.3	-1.3	1.5	6.4	13.8	16.6	12.1	4.6	32.7		
-169		7 33	-4	-1	-1.2	-7	-6	-3.1	-2.1	-1.1	1.6	6.7	14.4	16.7	12.4	5.0	30.5		
-172		8 4	-4	-1.6	-1.8	-1.4	-2.0	-3.4	-3.3	-2.5	.6	5.7	14.8	14.8	7.0	1.7	33.6		
-173		8 23	-7	-1.2	-2.1	-1.8	-1.8	-2.6	-4.1	-4.0	-3.2	.3	6.3	15.2	12.9	3.5	-1.6	37.6	
-174		8 27	-7	-1.2	-1.6	-1.4	-2.2	-3.7	-3.6	-2.8	.5	6.3	15.0	13.8	4.5	-1.0	25.6		
-180		13 51	-4	-4	-9	-2	.4	-7	-9	-3	1.6	4.8	7.4	7.8	11.0	11.4	33.6		
-181		14 2	-8	-1	-9	.0	.4	-9	-1.1	-3	1.7	5.1	8.3	8.3	12.5	12.5	30.4		
-182		14 4	-7	-3	-9	.1	.4	-8	-1.0	-3	1.6	5.1	8.0	7.8	11.5	11.9	31.3		
-183		14 6	-1.0	-2	-9	-4	.1	-1.2	-1.5	-7	1.3	5.2	8.7	9.4	12.8	10.3	30.4		
-185		14 8	-4	-4	-1.1	-1	.2	-1.0	-1.3	-5	1.3	4.9	8.0	8.1	12.5	12.5	28.7		
-186		14 13	-6	-3	-1.1	-2	-1	-1.0	-1.5	-5	1.4	5.0	7.9	7.6	11.2	11.6	32.2		
-187		14 14	-8	-4	-1.2	-3	-2	-1.1	-1.1	-1	1.5	4.9	7.3	6.4	9.0	9.4	34.5		
AA-103-188	19 SEP 80	7 1	1.8	1.6	1.4	2.0	2.0	1.7	2.5	3.2	4.6	7.9	13.3	23.2	20.5	16.6	30.9		
-189		7 3	2.0	2.0	1.9	2.5	2.7	2.6	3.0	3.4	4.8	8.2	13.1	22.7	20.7	18.2	32.4		
-192		7 21	2.1	2.0	1.7	2.0	2.7	2.7	2.3	2.9	4.4	7.5	12.6	20.5	17.1	13.6	29.9		
-193		7 23	2.0	1.8	1.7	2.1	2.3	2.1	2.4	2.9	4.2	7.4	12.7	21.6	17.7	14.3	31.3		
-194		7 25	1.8	1.5	1.0	1.2	.9	.6	.6	1.2	2.9	6.9	13.6	17.4	13.3	9.5	30.9		
-205		8 2	1.9	1.7	1.3	1.9	1.8	1.7	2.1	2.7	4.2	7.7	12.9	20.5	17.1	13.5	29.5		
-206		8 14	2.2	1.9	1.9	2.5	2.5	2.6	2.7	3.2	4.4	7.2	11.8	21.0	18.2	14.9	32.2		
-207		12 53	1.6	.9	.7	1.1	1.4	1.2	1.8	2.3	3.2	5.1	7.3	9.3	13.8	13.8	30.5		
-208		12 55	1.7	.9	.7	1.2	1.5	1.2	2.0	2.5	3.5	5.2	7.5	10.0	14.5	15.0	31.3		
-209		12 57	1.8	.9	.8	1.3	1.6	1.4	2.0	2.7	3.8	5.4	7.5	9.9	14.6	15.6	30.9		
-210		12 59	1.5	.8	.7	1.3	1.5	1.4	1.7	2.3	3.1	4.8	7.0	9.0	13.3	13.6	30.9		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE E4

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-157	16 SEP 80	13 42	5.1	2.6	-1	1.0	5.0	3.3	4.3	5.3	3.2	3.6	5.1	2.2	4.2	2.8	3.7
-161		14 8	5.1	3.9	2.5	2.7	3.1	4.6	5.0	5.6		4.5	6.4	3.4	5.0	3.2	4.7
-162		14 11	3.4	1.5	.1	.8	1.8	.7	2.0	2.5	1.7	1.1	2.5	.5	3.3	2.7	2.8
-163		14 13	5.0	2.7	.3	.7	3.6	3.8	3.9	4.5	4.9	3.4		2.4	4.6	3.0	3.8
AA-103-164	17 SEP 80	7 5	25.8	24.7	23.0	22.1	21.2	17.3	18.2	19.2	19.7	17.6	18.7	15.3		12.7	19.0
-165		7 12	25.1	23.2	21.3	20.4	20.2	16.5	17.4	18.1	18.7	16.9	18.3	15.2		12.6	18.5
-166		7 20	24.9	24.3	23.8	23.9	23.6	20.0	20.6	21.6	21.4	19.1	21.9			12.5	19.2
-170		7 44	25.0	25.8	25.9	26.8	27.4	24.7	26.0	27.1	27.5	25.5				12.2	19.0
-171		7 47	23.4	24.1	24.4	25.5	25.9	22.9	23.7	24.7	22.2					11.9	18.6
-175		13 12	14.9	11.0	7.5	6.0	7.3	7.7	9.6	11.6	11.2	8.9	11.9	8.1		10.5	11.3
-176		13 22	15.1	11.3	7.7	5.4	6.5	7.7	9.0	10.4	10.4	8.0	11.4	8.1	7.5	10.2	10.7
-177		13 24	18.1	15.6	13.3	11.3	10.1	9.4	12.2	13.9		11.6	15.1	10.5		11.4	14.2
-178		13 28	17.5	15.3	12.5	10.2	9.4	8.7	11.3	12.8	13.1	10.4	13.1	9.3		10.9	13.9
-179		13 34	18.9	15.7	12.8	10.9	10.0	8.1	11.5	14.1	13.1	11.9	14.1	10.7		11.3	13.7
AA-104-167		7 27	3.5	2.3	.4	1.6	4.8	4.7	6.3	8.0		6.2	8.6	6.9	9.4	2.0	4.8
-168		7 30	.7	.1	-.3	1.5	3.3	4.1	4.8	5.9	5.2	5.0	6.7	5.7	7.4	1.5	3.7
-169		7 33	2.3	1.9	1.5	2.7	4.7	5.8	6.7	7.1		6.5	7.8	7.1	8.9	1.8	4.7
-172		8 4	-1.5	-3.4	-4.9	-5	-1	.3	3.1	4.5	3.5	4.4	5.9	5.5	6.8	.1	1.0
-173		8 23	-4.2	-4.7	-2.9	-1.2	-1.8	1.6	2.2	4.3		4.8	6.5	5.9	7.4	-.6	.2
-174		8 27	-4.1	-4.9	-3.3	-.6	-1.2	2.4	3.0	5.9	5.3	6.3	7.7	7.7	9.2	-.4	.9
-180		13 51	10.0	9.5	6.6	11.5	12.8	11.3	12.8	14.4	14.5					2.5	8.1
-181		14 2	9.0	8.0	6.6	8.7	9.0	7.2	8.6	10.7	9.8	11.1				2.4	7.1
-182		14 4	9.3	9.2	6.9	10.0	10.4	8.4	9.9	11.6	9.9		9.9			2.4	7.3
-183		14 6	6.7	6.0	4.7	6.6	6.6	4.4	5.6	7.4	6.5	7.3				1.9	5.8
-185		14 8	9.3	8.8	6.8	8.8	8.4	6.1	6.8	8.2	8.2					2.2	6.6
-186		14 13	9.3	8.9	7.4	10.5	11.4	10.0	11.9	14.0						2.1	7.4
-187		14 14	8.2	7.9	5.9	10.3	12.0	11.1								2.1	6.3
AA-103-188	19 SEP 80	7 1	12.7	10.1	6.8	4.0	3.2	2.7	6.2	7.4	7.7	5.8	8.9	4.5		6.0	8.1
-189		7 3	13.9	10.5	7.2	4.5	2.8	1.8	7.4	7.9	8.4	6.3	9.7	4.3		6.5	8.3
-192		7 21	8.8	5.9	2.0	-1.5	-2.0	-1.7	4.3	4.5	4.9	2.5	5.8	2.0	2.6	5.2	4.4
-193		7 23	10.5	7.4	3.6	.1	-4	.0	4.5	6.2	6.1	4.0	7.3	2.8	4.1	5.5	5.8
-194		7 25	5.5	2.2	-1.6	-3.0	1.4	.9	.9	2.9	3.3	1.9	4.2	2.0	2.5	3.7	3.3
-205		8 2	8.8	5.8	2.2	-8	-1.5	-1.9	3.6	4.9	2.4	2.1	5.2	2.2	3.5	5.1	4.5
-206		8 14	10.3	6.8	2.4	-1.4	-2.2	-2.8	1.6	3.7	4.1	2.0	4.7	2.2	2.0	5.5	4.5
-207		12 59	12.1	10.8	8.6	6.9	6.2	3.9	6.0	6.9	8.0	6.0	9.5			4.7	8.1
-209		12 55	12.9	11.7	10.6	10.3	10.2	7.1	8.6	9.5	10.3	9.2	12.1			5.2	9.7
-209		12 57	14.2	13.2	11.7	10.3	9.6	7.1	8.9	9.4	9.9	8.1	9.7			5.2	9.9
-210		12 59	12.2	11.6	10.8	10.6	10.5	7.7	9.8	10.8	11.5	9.8	12.2			4.8	9.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION: )  
 OMEGA 13.1 )  
 TEST AA-BOB-081 )

PARAMETERS: )  
 DATABASE: )  
 DISTANCE 134 M )  
 ALL DATA LISTED )  
 DATE 02 FEB 87 )  
 PAGE D5 )

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-190	19 SEP 80	7 12	3.8	3.8	3.3	3.6	4.1	2.6	2.7	4.0	6.2	11.0	16.3	20.0	17.8	13.0	29.5		
-191		7 14	4.1	3.7	3.0	3.4	3.9	2.4	2.5	3.8	6.0	10.9	16.2	19.8	17.6	12.4	31.3		
-195		7 33	3.0	3.4	2.7	2.9	3.5	2.3	2.2	3.5	6.3	11.7	18.1	22.5	13.8	8.5	29.1		
-196		7 39	3.6	3.2	2.9	2.9	3.5	2.5	2.4	3.6	6.3	11.5	17.3	23.7	16.4	10.9	22.9		
-197		7 42	2.8	3.2	2.9	3.0	3.6	2.4	2.4	3.7	6.3	11.6	17.5	23.8	16.5	11.1	28.2		
-198		7 44	2.6	2.9	2.8	3.1	3.4	2.5	2.5	3.6	6.2	11.1	16.4	21.6	15.4	10.2	29.5		
-199		7 46	3.2	3.1	2.6	2.9	3.4	2.3	2.5	3.7	6.3	11.0	16.0	21.2	16.7	11.2	30.0		
-211		13 16	3.9	3.7	2.6	3.6	4.1	3.2	2.8	3.9	6.1	9.2	10.9	8.1	10.5	11.8	29.1		
-212		13 21	4.3	3.6	2.7	3.8	4.1	3.1	3.1	4.1	6.3	9.0	11.0	8.7	11.1	11.5	29.1		
-213		13 35	3.2	3.2	2.1	3.0	3.3	2.3	1.8	3.1	5.4	8.4	9.9	7.9	10.4	11.7	31.4		
AA-103-214	23 SEP 80	7 8	3.0	2.0	1.2	1.2	1.6	1.3	2.8	3.4	3.8	6.8	13.3	21.7	18.3	15.9	30.4		
-215		7 10	3.1	2.0	.9	1.0	1.4	1.1	2.5	3.2	3.7	7.0	14.2	20.3	15.0	12.0	30.4		
-216		7 12	.9	1.4	.9	1.2	1.5	1.4	2.3	3.2	3.9	7.0	13.8	22.0	18.8	16.0	29.1		
-220		7 33	1.0	1.4	1.0	1.4	1.8	1.8	3.3	3.9	4.2	7.3	14.0	21.5	18.0	15.8	27.7		
-221		7 35	2.1	1.1	.8	.8	1.3	1.0	2.2	2.7	3.6	6.7	14.1	20.7	16.8	14.3	29.1		
AA-104-217		7 21	1.1	1.7	.8	1.7	2.0	.9	1.1	2.3	4.3	9.3	13.6	14.8	15.1	11.1	30.5		
-218		7 23	1.1	1.7	.8	1.9	2.1	.9	1.1	2.3	4.3	9.4	14.0	15.3	15.3	11.7	27.8		
-219		7 24	1.2	1.9	.9	2.0	2.0	1.0	1.2	2.4	4.4	9.3	13.4	14.1	14.7	11.4	30.5		
-222		7 41	1.3	1.5	.7	1.5	2.0	.8	.9	2.0	4.2	8.9	13.5	16.3	14.8	10.9	29.6		
-223		7 43	1.4	1.9	1.0	1.8	2.1	1.0	1.0	2.1	4.4	9.1	13.7	16.9	15.1	11.4	30.4		
-224		7 46	.2	1.2	.7	1.2	1.7	.5	1.7	.5	1.7	3.9	8.6	13.0	15.8	14.3	30.0		
AA-103-235	24 SEP 80	6 59	1.5	2.6	2.4	2.9	2.9	3.0	3.4	4.3	6.4	11.1	19.8	18.9	15.8	11.5	30.9		
-236		7 1	1.8	2.6	2.5	3.2	3.2	3.1	3.4	4.3	6.3	11.1	19.5	18.9	15.5	11.9	31.4		
-237		7 3	2.0	3.1	2.9	3.6	3.5	3.4	4.0	5.0	7.0	11.8	20.1	21.3	18.5	14.8	32.7		
-238		7 4	2.2	2.9	2.7	3.6	3.7	3.7	4.2	5.2	7.2	11.8	20.0	21.5	18.5	16.0	31.4		
-243		7 24	2.9	2.7	2.5	3.5	3.6	3.6	4.3	5.4	7.4	12.0	20.0	22.1	18.5	15.1	31.8		
-244		7 26	3.3	3.1	3.1	3.8	3.8	3.7	4.7	5.5	7.5	12.2	20.3	22.1	19.4	16.2	31.8		
-245		7 27	3.1	3.0	2.7	3.6	3.6	3.6	4.1	5.1	7.1	11.7	19.7	21.9	19.0	14.5	31.8		
-246		7 29	2.8	2.9	2.7	3.7	3.8	3.7	4.6	5.5	7.2	11.3	19.8	21.9	18.6	15.2	31.3		
-247		7 31	3.1	3.1	2.9	3.4	3.3	3.3	4.1	5.2	7.3	11.6	19.0	21.0	17.7	14.9	32.2		
-248		7 32	2.4	2.8	2.5	3.5	3.7	3.8	4.6	5.4	7.1	11.5	19.2	20.8	17.7	15.0	31.3		
-257		15 0	2.0	2.5	2.1	2.7	2.9	2.6	3.3	4.1	5.7	8.8	12.8	17.4	18.4	15.3	31.8		
-258		15 1	2.4	2.4	2.1	2.8	2.9	2.5	3.4	4.1	5.7	9.0	13.2	17.5	18.3	15.4	31.3		
-259		15 3	2.2	2.3	2.0	2.7	2.8	2.6	3.4	4.1	5.6	8.7	12.5	16.1	18.0	15.4	31.3		
-260		15 4	2.4	2.5	2.1	2.9	3.1	2.5	3.3	4.2	5.6	8.8	12.6	16.5	17.9	15.4	32.2		
-261		15 6	2.3	2.5	2.3	2.9	3.2	2.8	3.5	4.4	5.8	8.7	11.7	14.5	17.5	15.9	31.3		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE 15

PARAMETERS:  
 ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (MR-MN)	530	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-190	19 SEP 80	7 12	10.5	8.9	7.5	7.1	4.8	2.0	1.3	4.4	6.9	3.5	6.0	2.9	4.7	6.0	6.6
-191		7 14	9.6	8.0	6.3	5.7	3.6	.7	.1	3.6	6.8	2.5	4.8	2.0	3.5	5.7	5.8
-195		7 33	4.4	1.8	.1	.5	3.4	1.8	1.8	6.6	6.2	4.8	7.7	4.7	6.7	5.3	3.9
-196		7 39	8.0	5.8	3.8	2.6	2.8	4.2	6.4	5.8	8.1	3.7	6.5	3.2	5.5	5.7	5.8
-197		7 42	8.1	5.7	4.1	3.4	3.3	3.7	5.8	6.6	8.2	5.2	7.7	4.3	6.6	5.8	6.0
-198		7 44	7.1	5.1	3.4	2.1	.8	.4	2.4	6.3	5.4	3.0	5.7	2.9	4.5	5.4	4.3
-199		7 46	8.5	6.9	5.0	3.3	2.0	.6	1.7	7.2	7.4	3.5	6.1	3.5	5.3	5.6	5.3
-211		13 16	12.2	12.5	14.4	16.6	16.9	15.8	17.0	18.1						6.1	10.3
-212		13 21	12.0	11.2	12.5	14.7	15.3	14.4								6.3	9.7
-213		13 35	11.4	10.8	12.4	15.5	15.9	14.8								5.2	8.9
AA-103-214	23 SEP 80	7 8	12.4	10.6	9.5	6.7	7.2	4.6	7.6	10.9	11.3	12.1	14.8	15.3		6.2	10.0
-215		7 10	8.3	6.5	4.6	1.7	3.3	2.8	5.8	7.4	9.2	8.7	11.4	12.7		5.5	6.8
-216		7 12	13.0	11.5	8.9	4.9	5.3	2.4	5.5	6.2	5.0	4.9	6.7	4.7		6.0	8.2
-220		7 33	12.1	11.3	9.4	5.2	6.4	4.4	7.0	7.2	6.0	5.3	6.4			6.3	8.7
-221		7 35	10.8	9.7	8.2	3.9	5.2	3.1	6.1	6.2	6.2	4.2	6.7	4.1		5.4	7.6
AA-104-217		7 21	9.4	7.8	6.3	6.3	4.2	1.0	.7	.6	1.0	-1.2	.8	-2.0	-2.0	4.0	4.3
-218		7 23	10.3	8.6	6.6	7.2	5.3	2.1	.6	.9	2.5	.6	1.6	-.9	1.2	4.3	5.3
-219		7 24	10.0	8.3	7.0	7.6	6.2	3.5	2.6	2.4	3.1	1.2	2.3	-.7	1.6	4.4	6.0
-222		7 41	9.2	7.4	6.1	6.1	3.5	.6	-.4	-.3	.6	-1.8	-1.0	-3.1	-1.0	3.7	3.8
-223		7 43	9.9	8.3	6.9	6.7	4.2	1.5	.5	.4	1.0	-1.7	-.6	-3.5	-1.6	3.9	4.4
-224		7 46	10.3	8.5	6.9	6.8	4.4	1.5	.8	.7	1.3	-.7	.3	-2.5	-.2	3.5	4.5
AA-103-235	24 SEP 80	6 59	8.0	5.5	1.8	-.4	.1	1.3	3.5	4.2	3.6	2.6	5.4	1.1	1.3	6.4	5.2
-236		7 1	9.3	7.1	3.2	.9	2.6	3.7	4.4	6.3	5.7	4.6	7.4	2.8	2.7	6.8	6.8
-237		7 3	12.3	9.9	6.1	3.5	4.5	5.9	5.5	8.5	7.1	6.5	9.0	3.1		7.7	8.9
-238		7 4	14.0	12.1	7.5	5.1	5.7	6.8	6.8	8.9	8.6	8.1	10.6	5.4		8.0	9.9
-243		7 24	12.0	9.4	5.9	3.7	4.0	4.3	6.5	8.7	7.9	6.9	9.2	2.0		8.0	8.5
-244		7 26	13.3	11.1	8.1	6.2	6.8	6.3	7.3	9.4	9.3	8.0	11.1			8.3	10.2
-245		7 27	10.2	7.6	4.8	3.2	4.4	4.2	4.7	7.5	7.2	5.7	8.5	3.2	4.2	7.6	7.7
-246		7 29	12.0	10.3	6.7	3.6	3.0	3.9	7.8	7.8	8.9	6.6	9.9	4.8		7.9	8.8
-247		7 31	12.7	11.2	7.5	4.7	4.1	4.4	7.0	8.1	8.4	6.9	9.8	4.5		7.8	9.2
-248		7 32	13.0	11.1	7.3	4.5	4.2	4.5	7.4	8.0	9.0	7.0	10.2	5.3		8.0	9.2
-257		15 0	12.7	11.2	8.2	5.3	3.8	.5	1.7	2.5	3.1	.3	2.9	.3	1.7	6.5	7.0
-258		15 1	12.8	11.2	9.0	7.4	5.4	1.8	3.2	3.8	4.2	1.6	4.4	1.5	2.3	6.8	8.1
-259		15 3	12.9	11.8	9.3	6.6	5.0	1.7	3.2	3.7	3.8	1.0	3.7	.1	.6	6.7	8.0
-260		15 4	13.3	12.5	11.0	9.8	8.0	4.5	6.1	6.7	6.7	4.7	7.4			7.1	10.0
-261		15 6	14.0	13.8	13.1	12.6	11.8	8.2	10.0	10.7	10.8	8.9	11.1			7.4	11.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 134 M

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

DATE 02 FEB 87  
 PAGE D6

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12	2.2	2.1	.8	1.3	1.9	.2	.7	1.7	3.7	8.2	13.2	14.4	13.5	11.1	29.5
-240		7 13	2.1	1.7	.7	1.2	1.7	.1	.6	1.7	3.5	8.3	13.4	14.5	13.0	10.9	31.3
-241		7 15	1.7	1.9	.5	1.2	1.6	.0	.6	1.5	3.5	8.3	13.7	14.6	12.9	10.8	30.4
-242		7 16	1.7	1.8	.6	1.1	1.6	.2	.5	1.5	3.5	8.3	13.8	14.7	13.0	10.5	31.8
-249		7 39	1.5	1.5	.5	1.1	1.5	-.1	.5	1.5	3.5	8.4	13.6	15.2	12.9	10.6	30.4
-250		7 40	1.4	1.5	.4	1.0	1.4	-.2	.3	1.5	3.4	8.4	13.6	14.8	12.7	10.1	32.6
-251		7 42	1.4	1.4	.4	.9	1.3	-.1	.3	1.4	3.5	8.3	13.4	14.6	12.7	10.5	32.6
-252		7 43	1.1	1.6	.4	.9	1.3	-.1	.3	1.4	3.4	8.4	13.5	15.2	12.8	10.2	32.6
-253		7 45	1.3	1.5	.3	.8	1.3	-.2	.1	1.3	3.3	8.2	13.3	14.5	12.2	9.5	30.4
-254		7 46	1.1	1.4	.4	.9	1.4	-.2	.2	1.3	3.4	8.3	13.7	14.6	11.9	9.4	32.6
-255		7 48	1.7	1.8	-.1	.4	.8	-.8	-.3	.9	3.1	8.0	13.3	14.6	11.9	9.1	45.6
-256		7 49	1.7	1.7	-.2	.3	.7	-.8	-.3	.9	3.1	7.9	13.0	13.9	11.5	8.6	35.3
-257		15 17	1.1	.8	-.2	.7	.6	-.4	-.2	.1	2.3	7.0	10.0	7.8	9.2	10.0	32.2
-258		15 18	1.3	.5	-.9	.0	-.2	-1.0	-1.0	-.6	1.5	6.5	10.0	7.7	8.1	6.9	30.0
-254		15 24	1.3	1.2	-.2	.5	.4	-.5	-1.2	-1.5	-.5	3.5	5.9	4.9	8.2	8.7	21.5
-255		15 26	1.4	.5	-.4	.4	.6	-.1	-.1	-.1	2.3	7.2	10.8	10.8	10.5	8.6	32.2
-256		15 28	1.6	1.2	-.9	-.1	-.3	-1.2	-1.2	-.6	2.0	7.8	13.0	12.3	10.4	6.3	33.1
AA-103-267	25 SEP 80	7 10	1.9	1.2	1.0	1.3	1.5	1.5	2.1	3.3	5.5	10.3	17.8	18.1	15.6	12.8	31.3
-268		7 14	2.0	1.2	1.0	1.7	1.4	1.2	1.9	3.2	5.4	10.2	17.6	17.5	14.5	12.0	31.3
-269		7 17	2.1	1.6	1.4	1.8	1.6	1.7	2.2	4.6	9.6	16.8	18.5	15.9	12.9	12.9	33.1
-270		7 19	2.2	1.7	1.5	1.9	1.7	1.5	2.3	3.3	5.4	9.6	16.2	17.6	15.2	12.8	31.8
-271		7 22	2.0	1.6	1.5	1.9	2.0	1.8	2.5	3.5	5.5	9.6	15.6	17.8	15.9	13.6	32.2
-277		7 50	1.8	1.6	1.4	1.8	1.8	1.4	2.3	3.3	5.2	9.4	15.4	17.9	15.8	13.3	21.9
-278		7 51	2.3	1.9	1.7	1.9	2.1	1.7	2.4	3.4	5.4	9.5	15.7	18.0	15.6	12.8	30.9
AA-104-272		7 30	.4	.2	-.7	.0	.7	-1.0	-.5	.5	2.7	7.2	13.3	13.2	9.4	6.2	36.2
-273		7 32	.3	.0	-.8	-.1	.4	-1.3	-.8	.3	2.5	7.1	13.3	12.8	9.4	6.7	31.3
-274		7 34	.3	.0	-.8	-.2	.2	-1.2	-.8	.2	2.4	6.9	13.0	13.0	9.7	6.6	32.2
-275		7 36	.3	.3	-.7	.1	.6	-1.0	-.5	.4	2.6	7.3	13.6	13.4	9.4	6.1	36.7
-276		7 38	.4	.4	-.5	.1	.8	-.9	-.5	.5	2.8	7.7	14.0	14.0	10.0	6.9	31.3
-279		8 0	.2	.2	-.5	.1	.7	-1.0	-.4	.7	2.7	6.9	11.8	12.9	10.7	7.8	32.2
-280		8 2	.1	.1	-.7	.0	.7	-.9	-.5	.5	2.5	6.9	11.8	12.7	10.1	7.2	40.2
AA-103-281	30 SEP 80	14 15	1.5	2.1	1.8	2.8	2.6	2.3	3.0	4.0	5.7	8.6	12.3	15.0	15.7	15.2	32.2
-282		14 17	1.9	2.0	1.6	2.7	2.7	2.5	2.9	4.0	5.7	8.8	12.3	15.0	16.2	16.9	31.3
-283		14 19	1.8	2.3	2.2	3.3	3.5	3.2	3.7	4.9	6.5	9.1	12.3	15.2	19.1	21.5	31.8
-284		14 21	1.5	2.4	2.0	2.8	2.7	2.5	3.1	4.2	5.7	8.5	11.8	14.6	16.6	16.4	31.8
-285		14 22	1.9	2.5	2.3	3.2	3.2	3.1	3.3	4.3	5.8	8.3	11.3	13.9	16.1	16.0	31.3
-291		14 44	2.3	2.4	2.2	3.1	3.3	2.8	3.4	4.7	6.3	9.0	12.5	15.4	18.0	18.3	32.2
-292		14 47	2.3	2.6	2.3	3.1	3.5	3.1	3.5	4.8	6.3	8.9	11.7	13.9	17.2	18.7	33.5
-293		14 48	2.2	2.2	1.8	2.6	2.7	2.4	2.9	4.1	5.7	8.5	11.8	14.2	16.4	17.1	33.1
-294		14 50	1.1	1.5	1.4	2.2	2.2	2.1	2.5	3.8	5.6	8.6	12.0	15.8	16.3	15.4	31.4
-295		14 53	1.4	1.7	1.6	2.5	2.5	2.3	2.7	3.9	5.6	8.4	11.3	14.7	16.2	15.8	32.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE E6

DATABASE:

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12	(	10.2	9.2	8.5	9.0	8.0	5.6	4.9	4.4	6.2	3.3	4.9			3.5	6.9
-240		7 13	(	9.7	8.6	7.9	8.5	7.2	4.8	4.1	3.7	5.7	2.6	4.1			3.4	6.4
-241		7 15	(	9.6	8.7	7.7	8.0	6.2	3.5	2.2	1.9	3.9	.6	2.1	-1.6		3.4	5.6
-242		7 16	(	9.4	8.6	7.4	7.6	6.1	3.4	2.1	1.6	3.3	.1	1.9	-1.9		3.3	5.5
-249		7 39	(	9.3	8.0	7.2	7.2	5.4	3.0	1.4	1.3	3.4	.4	2.0	-1.7		3.2	5.1
-250		7 40	(	8.7	7.7	6.9	7.5	5.9	3.6	2.7	2.5	4.1	1.3	3.0	-1.8		3.2	5.6
-251		7 42	(	9.0	8.1	7.5	8.1	6.7	4.2	2.8	2.6	4.1	1.4	3.1	-1.5	2.1	3.2	5.8
-252		7 43	(	8.5	7.1	5.9	5.6	3.5	.5	-7	-2	1.0	-1.8	-1	-3.6	-1.7	3.0	3.8
-253		7 45	(	8.0	6.8	6.4	7.1	5.6	3.2	2.4	2.2	4.1	1.1	2.7		3.0	5.2	
-254		7 46	(	8.2	7.0	6.0	6.3	4.5	1.5	.0	.3	1.5	-1.3	.3	-3.3	-1.1	3.0	4.3
-255		7 48	(	7.5	6.3	5.5	5.8	4.0	1.3	-1	.1	1.9	-1.7	.0	-3.4	-1.9	2.6	4.0
-256		7 49	(	7.3	6.0	5.0	5.4	3.7	1.0	-2	-1	1.3	-2.2	-1	-4.5		2.6	3.7
-262		15 17	(	8.4	7.8	7.3	8.4	8.3	6.6	7.0	7.9	6.6					2.4	6.4
-263		15 18	(	5.8	4.3	3.1	3.3	2.1	-2	-1.0	.2		-1.8				1.5	3.1
-264		15 24	(	8.3	7.7	6.5	6.8	6.2	3.5	3.5	4.9	5.7	4.7	7.2	4.2		.8	5.1
-265		15 26	(	7.1	5.6	2.9	2.6	1.6	-6	.4	3.5	3.5	2.3	5.0			2.4	3.6
-266		15 28	(	4.0	1.9	-2	.2	-5	-3.1	-3.4	.3	1.2	-2.3	.4	-2.3		1.6	1.4
AA-103-267	25 SEP 80	7 10	(	9.1	6.4	2.8	.0	-5	-8	6.0	4.5	4.6	2.9	5.4	2.2	3.0	5.5	5.2
-268		7 14	(	8.7	6.2	3.1	.3	-7	-2.1	3.4	5.1	3.3	1.8	4.0	1.3	2.1	5.3	4.6
-269		7 17	(	9.3	6.5	2.9	.1	-1.0	-2.4	3.9	4.8	2.5	2.1	4.4	1.9	2.4	5.2	4.7
-270		7 19	(	9.4	7.3	4.2	1.5	.0	-2.4	.9	4.9	4.3	.6	3.6	1.2	1.9	5.5	4.8
-271		7 22	(	10.0	7.7	4.4	1.1	-5	-3.3	-1.4	.4	2.5	.5	2.8	.0	1.5	5.4	3.8
-277		7 50	(	10.2	7.7	4.1	1.2	-2	-2.8	-5	2.3	5.1	1.5	3.4	.3	1.5	5.5	4.7
-278		7 51	(	9.3	6.6	2.7	-7	-2.0	-4.1	-8	3.3	5.2	.8	3.2	.9	1.3	5.3	3.7
AA-104-272		7 30	(	4.6	3.2	1.4	.5	-1.6	-4.8	-5.6	-4.0	-2.1	-5.2	-2.7	-5.4	-4.5	1.7	.1
-273		7 32	(	5.4	4.1	2.2	1.0	-1.1	-4.2	-4.7	-2.8	-1.2	-4.6	-1.8	-4.8		1.6	.7
-274		7 34	(	5.1	3.6	1.5	.1	-2.2	-5.7	-6.1	-4.1	-2.1	-4.7	-1.8	-4.4		1.5	-1
-275		7 36	(	4.5	2.9	1.0	-1	-2.1	-5.3	-5.6	-3.3	-5	-1.3				1.7	.0
-276		7 38	(	5.0	3.7	1.5	.3	-1.4	-4.2	-4.4	-1.3	2.3	-1.4	.7	-2.4		2.0	.9
-279		8 0	(	6.6	5.5	4.4	4.3	3.2	1.0	.4	.7	1.9	-7				2.3	3.5
-280		8 2	(	5.8	4.6	3.3	3.1	1.9	-5	-1.2	-1.0	.1	-3.0				2.1	2.3
AA-103-281	30 SEP 80	14 15	(	13.2	11.7	9.1	8.3	6.6	3.3	5.0	5.6	5.0	3.9	6.7			6.9	9.0
-282		14 17	(	15.3	14.4	12.2	11.6	10.1	6.7	8.3	8.8	7.0	6.5	8.9			7.2	11.2
-283		14 19	(	20.9	20.4	18.6	18.4	17.6	13.9								8.4	14.9
-284		14 21	(	14.4	12.7	10.1	9.3	7.9	4.6	6.3	6.9	6.9	5.0	8.5			7.4	10.2
-285		14 22	(	14.1	13.0	11.2	10.4	9.2	6.0	7.4	7.9	7.8	5.5				7.5	10.7
-291		14 44	(	17.0	16.4	14.2	13.6	12.4	9.1	10.5	11.4	11.3	9.6	12.6			7.9	12.9
-292		14 47	(	19.3	19.5	18.2	18.6	18.3	14.9	16.2	17.0						8.1	15.0
-293		14 48	(	16.2	14.8	13.0	12.4	11.4	8.3	10.0	10.6						7.2	11.9
-294		14 50	(	14.0	12.1	9.7	9.0	7.8	4.5	6.5	7.1						7.1	10.2
-295		14 53	(	14.6	12.8	10.8	10.5	9.7	6.8	8.7	9.3						7.1	11.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 134 M

DATE 02 FEB 87  
 PAGE D7

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-103-299	01 OCT 80	7 0	.9	1.7	1.2	1.8	2.4	1.7	3.1	4.8	8.4	14.8	24.7	16.9	13.4	9.3	31.3			
-300		7 2	.9	1.4	1.2	1.7	2.3	1.7	3.1	4.7	8.1	14.5	24.6	17.1	13.4	9.0	33.1			
-301		7 3	.8	1.5	1.3	1.7	2.4	1.7	3.0	4.9	8.3	14.9	24.9	16.6	12.8	8.1	32.7			
-302		7 5	1.2	1.7	1.1	1.7	2.2	1.6	2.8	4.7	8.1	14.6	24.0	15.7	12.2	7.9	30.9			
-303		7 7	1.5	1.5	1.2	1.6	2.2	1.5	2.8	4.7	7.8	14.4	24.2	15.7	11.6	7.3	21.5			
-309		7 32	1.4	2.0	1.6	2.6	2.1	2.3	3.1	4.8	8.1	14.9	24.2	17.1	13.5	11.0	34.1			
-310		7 33	1.5	2.1	1.8	2.6	2.2	2.3	3.1	4.8	8.1	15.1	24.5	17.1	13.4	10.2	32.3			
-311		7 35	1.5	2.3	1.7	2.6	2.3	2.3	3.2	4.7	8.1	14.8	24.4	17.3	13.7	10.4	32.3			
-312		7 36	1.7	2.3	1.8	2.5	2.3	2.2	3.0	4.5	7.9	14.6	24.3	17.6	13.8	10.4	31.8			
-313		7 38	1.6	2.1	1.7	2.6	2.1	2.3	3.1	4.7	8.0	14.4	24.1	16.8	12.9	9.3	32.3			
-319		7 59	1.5	2.3	2.1	2.8	2.5	2.3	3.0	4.5	7.3	12.6	19.1	16.6	13.8	10.6	35.8			
-320		8 0	1.6	2.4	1.9	2.8	2.5	2.5	3.1	4.6	7.3	12.5	19.0	16.7	14.4	11.3	32.7			
-321		8 1	1.7	2.4	2.0	2.8	2.6	2.6	3.3	4.7	7.3	12.4	18.6	16.9	14.6	11.6	33.2			
-322		8 3	1.7	2.4	2.1	2.8	2.5	2.6	3.3	4.7	7.2	12.2	18.3	17.0	14.6	11.7	33.6			
-323		8 8	1.9	2.6	2.2	2.7	2.7	2.5	3.2	4.6	7.3	12.3	18.5	16.8	14.3	11.3	32.3			
AA-104-304		7 17	.8	.1	.6	.4	.6	.8	.6	1.1	5.0	12.4	19.3	7.8	5.7	3.6	31.7			
-305		7 19	.9	.2	.6	.7	.2	1.3	.9	.8	4.8	11.9	18.8	7.4	7.0	5.5	31.3			
-306		7 21	.3	.6	.9	.6	.5	.8	.8	.9	5.0	12.1	18.5	6.6	4.3	2.5	31.3			
-307		7 22	.1	.2	.6	.4	.5	1.0	.9	1.0	5.7	13.6	18.9	7.0	4.6	2.2	32.6			
-308		7 24	.1	.3	.5	.2	.6	.8	.8	1.0	5.5	12.6	20.5	8.9	5.9	3.6	31.7			
-314		7 44	.1	.3	.5	.3	.7	.7	.6	1.3	5.1	12.1	19.2	8.0	5.9	3.7	31.7			
-315		7 46	.3	.0	.5	.1	.8	.7	.7	1.5	5.1	11.9	19.8	8.5	6.6	4.7	31.7			
-316		7 47	.1	.2	.7	.6	.3	1.1	.9	.8	4.6	11.4	19.7	8.2	5.4	4.5	31.3			
-317		7 49	.1	.1	.8	.3	.4	1.0	.6	.8	4.4	11.0	20.0	10.0	6.9	4.4	31.3			
-318		7 50	.2	.3	.6	.5	.6	.8	.6	.9	4.5	10.9	19.4	10.2	8.3	6.6	33.5			
-324		8 15	.6	.3	.3	.2	1.4	.2	.2	1.7	4.6	10.1	17.8	11.2	9.0	7.5	33.5			
-325		8 17	.0	.0	.5	.2	.9	.8	.8	1.1	4.5	10.7	19.0	10.4	7.7	6.2	33.5			
-326		8 18	.0	.0	.4	.0	1.1	.5	.2	1.2	4.5	10.5	18.8	12.1	9.2	7.9	32.6			
-327		8 20	.2	.0	.6	.0	1.1	.5	.1	1.5	4.6	10.2	18.1	12.4	10.6	10.5	31.7			
-328		8 22	.4	.6	.1	.5	1.6	.1	.2	1.7	4.8	10.7	19.1	13.7	10.4	8.8	30.4			
-329		8 24	.2	.1	.6	.1	.9	.5	.4	1.0	4.2	10.1	17.9	12.3	9.1	7.3	33.5			
AA-105-330	16 DEC 80	7 29	2.0	1.1	1.1	1.6	2.1	.3	.7	2.3	4.2	8.7	13.8	20.2	16.4	13.1	30.4			
-331		7 31	2.0	1.3	1.2	1.8	2.3	.2	1.1	2.7	4.4	8.4	12.8	20.9	18.9	15.7	45.6			
-332		7 34	2.1	1.3	1.3	1.6	2.2	.2	.9	2.3	4.4	7.7	12.2	20.3	17.6	14.7	32.6			
-333		7 36	2.4	1.7	1.6	2.0	2.4	.1	1.2	2.4	3.9	7.5	11.4	19.4	18.4	15.2	34.0			
-334		7 39	1.9	1.5	1.3	1.8	2.7	.3	1.7	3.3	4.8	8.3	11.7	18.8	21.4	19.1	34.4			
-335		7 41	2.4	1.9	1.9	2.4	3.2	1.1	2.3	3.9	5.3	8.9	12.5	20.2	20.9	18.1	33.5			
AA-106-336		7 51	3.4	2.9	2.7	3.1	3.1	1.4	1.6	2.5	4.4	6.8	8.8	9.6	12.4	12.2	32.7			
-337		7 53	2.7	3.1	2.7	3.3	3.0	1.5	1.6	2.6	4.5	6.7	8.5	9.3	11.9	12.2	34.0			
-338		7 56	3.0	2.8	2.9	3.4	3.2	1.6	1.7	2.7	4.5	7.0	8.6	9.0	11.6	12.4	37.6			
-339		8 7	3.0	3.2	2.8	3.1	3.1	1.4	2.2	4.1	6.6	8.4	9.4	9.4	11.7	11.6	33.1			
-340		8 9	4.1	2.9	2.8	3.2	3.1	1.5	1.8	2.5	4.5	6.9	7.4	8.6	10.9	12.4	35.3			
-341		8 11	3.4	2.9	2.7	3.0	3.0	1.1	1.4	2.3	4.2	6.6	8.3	8.6	10.8	11.7	33.6			

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE E7

EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS  
 ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-299	01 OCT 80	7 0	4.3	4.0	-3.0	2.7	5.3	3.1	9.1	9.2	8.6	7.2	8.7	4.8	5.7	6.4	5.1
-300		7 2	3.4	-1.0	-3.6	1.8	3.3	2.3	8.6	9.3	9.7	9.4	11.4	8.7	8.9	6.2	4.6
-301		7 3	2.4	-1.8	-4.1	1.7	3.1	2.8	7.2	9.3	8.3	7.9	9.7	7.1	7.7	6.1	4.1
-302		7 5	2.7	-1.2	-4.1	1.5	2.9	2.1	5.5	9.1	8.0	7.2	9.4	6.4	7.2	5.8	3.7
-303		7 7	2.1	-1.6	-4.3	-3.3	2.7	1.1	5.0	7.8	7.8	6.4	9.1	6.8	7.5	5.5	3.2
-309		7 32	7.1	3.7	-5.5	-1.1	3.8	6.4	4.5	7.4	4.9	4.2	6.3	1.8	2.8	6.6	5.3
-310		7 33	5.8	2.1	-2.4	-2.3	4.8	3.8	5.0	9.0	6.4	6.1	8.0	4.7	4.7	6.3	4.5
-311		7 35	5.7	1.3	-3.4	-2.4	5.1	2.2	4.8	9.4	7.8	6.8	9.3	6.0	6.3	6.3	4.4
-312		7 36	5.4	1.0	-3.4	-2.0	4.3	1.1	5.7	9.7	9.1	8.0	10.9	7.6	6.1	4.3	4.3
-313		7 38	4.4	1.2	-3.8	-2.2	4.4	1.0	4.9	9.1	7.8	6.9	9.6	6.5	6.6	5.9	3.8
-319		7 59	7.0	3.7	-9.9	-3.2	-2.3	-2.3	3.8	5.0	3.2	2.4	5.2	2.7	3.4	5.8	3.2
-320		8 0	7.8	4.5	0	-2.6	-2.4	-3.0	2.7	5.7	3.2	1.9	4.8	2.3	3.1	5.9	3.3
-321		8 1	8.3	5.3	0	-2.1	-2.3	-3.4	1.2	5.7	3.9	1.6	4.7	2.7	2.9	6.0	3.4
-322		8 3	8.3	5.5	1.1	-1.6	-2.2	-3.5	1.4	4.8	4.5	1.5	4.1	2.2	2.4	6.0	3.5
-323		8 8	7.9	4.8	1.6	-2.1	-2.3	-3.3	1.6	5.4	3.5	1.7	4.6	2.3	2.8	5.9	3.4
AA-104-304		7 17	2.0	-9	-2.7	-3.2	-1.5	.7	-1.0	.7	1.7	.0	.0	-1.8	.0	1.8	.1
-305		7 19	4.1	.6	-1.9	-3.1	-1.2	2.0	2.8	1.8	2.5	1.8	3.5	-1.1	1.7	1.9	1.3
-306		7 21	1.2	-1.2	-2.7	-3.4	-2.3	-1	2	.2	.9	-.6	1.3	-2.8	-1.8	1.7	-2
-307		7 22	3	-2.8	-4.0	-2.4	-1.5	-2.8	-3	2.1	2.3	1.7	3.3	-2	1.8	1.7	-5
-308		7 24	1.9	-1.0	-2.4	-1.6	.4	-1.1	-.6	2.6	2.8	1.6	3.0	-.8	1.4	2.0	.6
-314		7 44	2.4	-9	-2.7	-1.9	2.6	-2.4	2.1	1.4	1.1	4.1	4.1	.2	1.9	2.1	.5
-315		7 46	3.7	.8	-1.4	-3.0	-2.9	-.9	1.5	1.3	1.2	-.4	1.3	.2	1.9	2.2	.5
-316		7 47	3.4	.9	-.6	-.7	1.0	2.4	1.8	3.0	3.5	2.6	4.3	-.6	1.9	2.0	1.8
-317		7 49	2.8	1.1	-1.0	-.5	.9	-.3	-.4	2.0	2.0	.4	2.4	1.6	1.5	2.0	1.2
-318		7 50	4.8	1.1	-1.0	-1.2	.0	-1.3	-.7	2.3	2.7	2.1	4.2	1.0	1.8	2.1	1.2
-324		8 15	6.1	3.5	1.6	.1	-2.0	-4.6	-2.6	1.8	3.0	.1	2.7	-.3	.9	2.7	1.4
-325		8 17	4.6	1.3	-.8	-1.8	-2.9	-3.0	1.7	1.5	1.4	1.2	2.8	-1.3	.6	2.1	.7
-326		8 18	6.5	4.0	2.0	.8	-.7	-1.9	1.5	3.9	3.2	2.5	4.3	.7	1.9	2.5	2.4
-327		8 20	9.1	6.2	3.7	1.4	-.6	-2.5	.7	5.1	2.9	3.0	5.4	1.5	3.0	2.8	3.0
-328		8 22	7.5	4.4	2.1	1.2	-.4	-1.6	1.4	4.1	3.3	2.5	4.6	.6	1.4	3.0	2.6
-329		8 24	6.0	2.9	1.0	.2	-1.2	-2.7	-.5	2.9	3.3	1.7	3.7	.5	1.9	2.3	1.7
AA-105-330	16 DEC 80	7 29	9.4	4.9	1.9	-.2	1.4	3.7	1.6	5.1	4.3	2.2	3.9	-2.5	-1.4	4.9	5.4
-331		7 31	12.7	9.2	6.6	3.9	3.7	5.8	4.7	6.9	7.2	4.9	7.0	.1	-.3	5.4	8.0
-332		7 34	10.6	5.8	3.0	1.0	1.0	3.0	2.1	3.7	3.4	1.9	3.0	-3.9	-4.2	4.7	5.5
-333		7 36	12.6	8.9	5.8	2.8	1.1	1.5	4.8	4.3	4.3	3.6	5.5	-.8	-.7	4.9	6.5
-334		7 39	16.1	12.4	10.3	7.1	4.2	3.1	4.6	7.3	7.0	6.0	7.7	.9	-.7	6.0	9.0
-335		7 41	15.1	11.2	7.9	4.3	3.1	3.3	4.8	6.8	6.7	5.2	7.4	.7	-.7	6.4	8.3
AA-106-336		7 51	10.9	8.8	9.0	9.7	8.3	7.7	6.7	7.1	6.8	7.1	6.4			4.6	7.7
-337		7 53	11.4	9.8	10.4	11.7	11.2	10.7	10.1	10.6	9.9	8.9				4.7	8.8
-338		7 56	12.3	11.1	11.7	13.7	14.1	14.0	13.8	14.7	14.6					4.9	9.7
-339		8 7	10.7	9.0	9.3	10.4	10.1	10.0	9.9	11.0	10.6					4.4	8.3
-340		8 9	12.1	11.6	12.9	14.0	13.5	13.6	13.3	13.6	13.1					4.7	9.4
-341		8 11	11.5	10.8	12.0	13.2	13.2	13.6	13.9	14.3	14.9					4.5	9.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE DB

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-105-342	17 DEC 80	0 2	1.9	.2	1.2	1.7	2.2	.0	.7	2.2	4.2	9.3	17.4	17.7	13.6	10.3	34.4			
-343		0 8	1.6	1.3	1.3	1.9	2.4	.0	.7	2.1	4.2	9.4	17.4	19.4	15.4	12.0	34.4			
-344		0 10	1.6	1.3	1.2	1.8	2.3	.0	.6	2.1	4.3	9.5	18.1	18.8	14.8	11.3	35.3			
-345		0 12	1.6	1.3	1.2	1.8	2.2	-.1	.5	2.1	4.4	9.7	18.0	19.3	15.2	11.0	44.7			
-346		0 14	1.7	1.2	1.3	1.7	2.2	-.2	.5	2.0	4.3	9.9	19.1	18.9	15.2	11.3	34.9			
-354		13 13	2.1	1.2	1.1	1.8	2.6	.3	1.0	2.5	3.6	6.1	8.4	10.6	16.2	18.3	49.2			
-355		13 17	2.3	1.3	1.3	2.1	2.8	.7	1.5	2.8	3.9	6.5	8.5	10.5	15.6	19.1	35.7			
-356		13 18	2.1	1.3	1.2	1.8	2.6	.5	1.1	2.4	3.5	6.0	7.9	9.8	15.0	17.4	34.4			
-357		13 20	2.2	1.3	1.1	1.8	2.6	.5	1.2	2.7	3.8	6.3	8.6	10.9	16.8	20.2	34.5			
-358		13 22	2.2	1.8	1.5	2.2	3.1	1.0	1.9	3.2	4.3	6.8	8.9	11.1	16.8	20.0	34.6			
-359		13 23	2.1	1.1	1.0	1.8	2.6	.5	1.2	2.5	3.6	6.2	8.1	9.8	15.0	17.9	35.3			
AA-106-360		13 42	-1.7	.0	.5	.9	1.1	-.5	-.9	-.1	2.1	4.9	9.3	11.7	8.2	6.8	33.2			
-361		13 45	-1.2	.0	.4	.8	1.0	-.6	-1.1	-.1	2.2	5.0	8.6	12.1	8.6	7.7	34.5			
-362		13 50	-1.6	.0	.1	.6	.8	-.9	-1.3	-.4	2.0	4.9	9.4	12.0	8.5	7.9	32.3			
-363		13 54	-1.0	.4	.6	1.2	1.3	.0	-.8	.1	2.4	5.0	8.8	13.4	10.6	9.5	29.6			
-364		13 57	-.9	.3	.6	1.1	1.5	-.4	-.9	.0	2.5	5.5	9.9	12.1	8.2	7.8	34.5			
-365		14 1	-.6	.6	.5	.9	1.5	-.4	-.9	-.1	2.4	5.4	9.5	12.2	7.9	5.7	34.5			
-366		14 6	-.4	.8	.8	.9	1.1	-.6	-.9	-.2	2.4	5.5	10.1	11.7	6.9	4.7	33.6			
AA-105-367	08 JAN 81	10 30	1.1	-.1	.6	1.7	4.3	3.6	9.0	13.8	14.7	13.9	11.0	7.2	6.7	5.3	35.7			
-368		10 31	1.1	.0	.6	1.4	4.0	3.3	8.8	14.0	14.8	14.2	11.5	8.7	8.3	7.5	37.1			
-369		10 34	1.1	.0	.7	1.6	4.3	3.5	8.9	14.3	15.7	15.0	12.3	8.8	8.1	7.0	34.4			
-370		10 35	.7	.0	.5	1.5	4.0	3.4	8.9	14.0	14.9	13.9	11.1	7.9	7.3	6.2	35.8			
-371		10 37	1.0	.1	.7	1.6	4.1	3.4	8.8	13.9	15.0	14.0	11.0	7.1	6.3	5.6	35.3			
-372		10 39	.5	.1	.7	1.5	3.9	3.1	8.5	13.7	15.0	14.2	10.6	7.5	7.1	6.2	34.4			
-373		10 41	1.0	.3	.9	1.6	3.9	3.3	8.6	13.9	14.6	13.3	10.5	6.7	5.6	4.4	35.3			
-374		10 43	1.0	.4	1.2	2.2	4.6	3.9	9.0	14.5	16.2	15.9	13.7	9.6	8.6	7.4	34.4			
-375		10 45	1.0	.1	1.0	1.9	4.2	3.6	8.7	13.9	15.4	14.3	11.4	7.9	7.8	7.0	36.7			
-376		10 46	1.1	.4	1.0	1.9	4.6	3.8	8.9	14.2	15.6	15.1	12.5	9.1	8.2	7.3	36.2			
-377		10 48	1.1	.2	.8	1.9	4.2	3.7	8.9	14.3	16.0	15.1	12.5	9.8	9.5	9.1	34.0			
AA-105-378	09 JAN 81	0 48	.8	.1	.6	1.5	4.4	3.7	8.8	14.1	15.5	15.0	11.8	8.6	7.6	6.5	35.8			
-379		0 50	1.2	.3	.8	1.8	4.6	4.1	9.2	14.0	15.1	14.2	11.1	8.1	7.0	5.6	35.3			
-380		0 51	1.0	.2	.8	1.8	4.6	4.1	9.3	14.0	15.0	14.0	10.6	7.6	6.3	5.1	35.4			
-381		0 52	1.1	.2	.9	2.0	4.5	4.0	9.0	14.1	15.7	15.0	11.8	9.0	7.7	6.3	36.7			
-382		0 57	.3	.1	.8	1.6	4.5	3.8	8.6	13.2	14.1	13.6	10.2	7.7	6.3	5.3	35.4			
-383		0 58	.2	-.1	.7	1.9	4.7	4.1	8.7	13.6	15.0	14.2	10.9	8.5	6.9	5.7	36.3			
-384		0 59	.6	.3	1.1	2.1	4.8	4.2	8.8	14.1	15.5	14.8	11.3	8.5	7.0	5.7	37.2			
-385		9 1	.4	.2	.7	2.0	4.5	4.1	8.6	13.3	14.2	13.7	12.7	9.1	6.3	4.9	37.2			
-386		9 2	.2	.0	.6	1.8	4.5	4.0	8.5	12.8	13.7	12.7	9.1	6.3	4.9	3.7	37.2			
-387		9 3	.3	.2	.9	1.9	4.7	4.2	9.1	14.1	15.3	14.4	10.7	7.9	6.3	5.2	39.4			
-388		14 9	-1.1	-.3	.3	1.5	4.2	3.9	9.0	14.5	16.6	16.8	13.4	10.7	9.2	8.8	34.9			
-389		14 12	-.2	-.3	.7	1.7	4.3	3.9	8.9	14.2	16.2	16.1	12.8	11.1	10.4	9.9	35.8			
-390		14 14	-.2	.0	.3	1.5	3.9	3.5	8.5	13.8	16.3	16.4	13.0	10.8	9.9	9.5	31.3			



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON 1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 134 M

DATE 02 FEB 87  
 PAGE 88

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)	
			80	100	125	160	200	250	315	400	500	630	800	1000			
AA-105-342	17 DEC 80	8 2	8.0	4.1	7	-1.8	-1.4	-1	3.7	3.1	2.1	.8	1.3	-5.1	-3	4.4	3.6
-343		8 8	8.8	4.1	0	-1.7	4	3.7	4.2	3.8	3.9	.8	2.2	-4.6	-5	4.8	4.6
-344		8 10	7.7	2.2	-2.1	-2.3	1.8	5.4	3.3	4.3	5.2	1.2	2.7	-3.7	-4.4	4.7	4.4
-345		8 12	6.5	.8	-3.0	-1.0	6.2	1.3	1.9	5.3	2.1	1.1	2.3	-4.0	.0	4.6	3.9
-346		8 14	7.1	1.3	-2.4	-.3	6.4	2.5	3.6	6.9	5.0	2.9	3.9	-2.4	1.9	4.8	4.8
-354		13 13	17.9	16.8	16.8	16.1	15.2	13.3	13.2	14.6	14.4	13.7	15.8			5.9	12.8
-355		13 17	19.6	18.3	18.6	19.2	19.3	17.8	18.1	19.5	19.5	19.1				6.2	14.0
-356		13 18	17.3	16.2	17.0	16.9	17.1	14.9	15.4	17.0	14.8	15.1				5.9	12.9
-357		13 20	20.0	18.4	18.5	18.4	17.9	15.8	15.9	17.6	16.9	15.7				6.3	14.0
-358		13 22	20.8	19.8	20.2	19.9	19.0	17.0	17.2	18.8	18.0	17.2				6.5	14.2
-359		13 23	18.9	18.0	18.4	18.3	17.9	16.2	16.7	18.2	18.3	17.9				5.7	13.2
AA-106-360		13 42	4.5	.8	.1	.3	-.4	.2	.5	1.0	1.4	.8	-.7	-4.7	-3.7	1.8	1.9
-361		13 45	5.8	2.4	1.2	1.3	-2.1	-1.1	1.8	1.2	1.7	.7	-1.1	-4.8	-4.0	1.8	1.9
-362		13 50	5.8	2.3	1.5	1.3	.0	1.9	2.2	2.0	2.5	1.9	.4	-3.3	-2.4	1.7	2.7
-363		13 54	7.9	4.6	3.9	4.1	2.5	2.8	3.4	4.2	5.0	4.6	3.5	-.5	.9	2.2	4.3
-364		13 57	6.2	2.3	.9	.5	-.8	1.8	1.3	1.4	1.3	.8	-1.1	-4.9	-3.8	2.1	2.5
-365		14 1	2.8	-.8	-1.0	-2	-1.2	-.7	-.7	-.6	-.3	-.4	-1.8	-5.4	-4.6	1.8	1.2
-366		14 6	2.9	-.2	.0	1.3	.8	.8	1.6	3.2	2.4	1.3	.3	-3.3	-2.6	1.8	2.3
AA-105-367	08 JAN 81	10 30	3.6	2.4	1.4	1.4	-1.4	-1.8	-.3	.5	-.2	-.1	1.7	-1.2	2.1	5.3	1.8
-368		10 31	5.7	4.2	3.1	3.1	-.4	-1.2	.0	2.2	2.2	.7	3.9	.0	3.2	6.3	3.3
-369		10 34	5.3	4.1	3.1	1.3	-.6	-1.0	.3	1.5	1.4	1.5	3.1	.3	3.3	6.3	3.2
-370		10 35	4.8	3.7	2.6	.7	-.9	-1.7	-.8	1.1	1.2	.4	3.1	-.5	2.7	6.0	2.7
-371		10 37	4.3	3.2	2.2	.4	-1.2	-1.8	-.4	1.2	.1	.2	2.3	-.7	2.3	5.7	2.3
-372		10 39	4.8	3.7	2.6	1.1	-.5	-1.6	-1.3	-.2	.9	-.3	1.0	-1.9	.9	5.7	2.5
-373		10 41	3.2	2.7	2.0	.7	-.8	-1.3	-1.0	-.2	-.1	-.2	1.1	-2.0	1.2	5.3	2.0
-374		10 43	5.8	4.6	3.5	1.9	.5	-.4	2.5	2.7	1.3	1.9	3.6	.4	3.5	6.8	3.9
-375		10 45	5.1	3.6	2.5	.8	-.5	-.7	.4	.9	1.0	1.2	3.1	-.3	2.9	6.1	2.9
-376		10 46	5.4	4.0	2.8	1.2	-.1	-.6	.8	1.2	1.0	2.0	3.2	-.2	3.4	6.4	3.2
-377		10 48	7.5	5.5	4.0	2.3	.5	-.5	.0	.7	2.1	1.9	2.3	-.2	3.1	6.9	4.0
AA-105-378	09 JAN 81	8 48	4.6	3.5	2.8	1.2	-1.0	-2.7	-3.3	-2.3	.1	.0	.7	-2.1	2.1	5.2	2.3
-379		8 50	3.5	2.4	1.6	.3	-1.6	-2.9	-2.7	-.7	.6	-1.5	.8	-2.6	1.6	4.9	1.7
-380		8 51	3.1	2.3	1.4	.2	-1.6	-2.9	-2.6	-.4	.3	-1.5	.9	-2.6	1.9	4.6	1.5
-381		8 52	4.2	3.9	2.7	1.5	-.4	-2.0	-2.2	-1.0	-.4	-.2	1.0	-2.3	2.2	5.3	2.5
-382		8 57	3.7	3.0	2.5	1.8	-.2	-1.7	-2.8	-3.1	-3.5	-1.4	.7	-2.5	2.0	4.9	2.1
-383		8 58	4.1	3.2	2.7	1.8	-.3	-1.9	-2.9	-2.6	-2.3	.3	1.7	-2.2	2.9	5.1	2.3
-384		8 59	4.0	2.8	2.0	.9	-1.2	-2.5	-3.0	-1.8	-.8	-.3	1.1	-2.2	2.5	5.1	2.0
-385		9 1	3.0	2.2	1.8	1.1	-1.0	-2.4	-3.5	-3.5	-3.7	-1.6	.8	-2.3	2.1	4.6	1.4
-386		9 2	2.4	1.2	.3	-.4	-3.6	-4.4	-4.3	-2.9	-1.5	-.7	1.4	-.4	3	4.3	.7
-387		9 3	3.3	2.2	1.5	.5	-1.4	-2.5	-2.1	.0	-.8	-1.4	1.2	-.8	2.1	4.9	1.9
-388		14 9	7.4	7.3	7.0	7.4	6.4	4.7	4.9	4.6	4.0	3.6	5.1	-.8	2.2	7.9	7.0
-389		14 12	9.4	9.7	9.6	9.6	8.3	6.2	6.2	5.9	5.6	5.4	7.5	4.2	5.1	8.6	8.9
-390		14 14	8.1	8.1	8.4	9.1	8.7	7.1	7.0	6.8	6.1	6.1	7.2	-.2	5.1	8.3	8.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 134 M

DATE 02 FEB 67  
 PAGE D9

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
		START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-108-392	09 JAN 81	14 42	-1.7	-1.8	-2.6	-2.1	-0.8	-1.6	2.7	11.4	15.7	10.9	6.3	4.1	2.7	1.6	37.6	
-393		14 44	-1.6	-1.9	-2.7	-2.4	-1.0	-1.7	2.9	11.2	15.6	10.9	6.4	4.0	2.3	1.1	41.2	
-394		14 45	-1.9	-2.0	-2.7	-2.3	-0.9	-1.6	2.8	11.2	14.9	10.0	5.5	3.2	2.0	.8	37.6	
-395		14 47	.8	.7	.1	.3	1.9	1.4	5.6	14.0	18.1	13.6	9.7	6.5	5.1	4.1	35.4	
-396		14 49	1.0	.8	.1	.4	1.9	1.2	5.7	14.0	17.5	12.6	7.7	5.7	4.4	3.3	36.3	
-397		14 50	1.1	.8	.1	.5	2.0	1.5	5.6	14.2	17.9	13.2	8.5	6.4	5.0	3.8	38.5	
-398		14 52	1.0	.7	.1	.3	1.8	1.3	5.6	13.9	17.8	13.2	8.3	6.2	4.7	3.7	36.3	
AA-105-399	13 JAN 81	8 7	.4	.3	.8	2.2	5.7	4.8	8.8	12.2	14.2	15.1	12.8	11.5	10.9	9.9	36.2	
-400		8 11	.3	.3	.8	2.0	5.7	4.9	8.7	12.0	13.8	14.4	12.2	11.0	10.4	9.5	36.2	
-401		8 13	.5	.3	1.0	2.2	5.7	4.8	8.8	12.2	14.1	15.2	13.1	12.0	11.7	10.6	35.3	
-402		8 14	.3	.4	1.0	2.3	5.8	4.8	8.8	12.2	14.1	15.3	13.3	12.0	11.5	10.4	34.4	
-407		8 35	.3	.7	1.0	2.4	5.8	4.9	8.7	12.2	14.1	15.1	13.1	12.0	11.4	10.6	35.8	
-408		8 37	.1	.4	.9	2.3	5.6	4.7	8.5	11.8	13.7	14.8	13.0	11.9	11.5	11.0	35.4	
-409		8 38	.1	.3	.8	2.3	5.6	4.8	8.4	11.8	13.5	14.6	12.9	11.6	11.2	10.6	37.2	
-413		13 7	2.3	.9	1.5	2.8	6.3	5.1	9.5	12.8	14.8	16.2	14.7	12.3	12.3	10.9	37.1	
-414		13 11	2.1	1.0	1.5	2.7	6.1	5.0	9.6	12.8	14.8	15.3	13.5	11.5	11.6	10.3	35.3	
-415		13 14	2.1	1.1	1.5	2.7	6.1	4.9	9.3	12.3	14.1	15.1	13.5	11.7	11.8	10.9	34.9	
-416		13 16	1.9	1.0	1.4	2.8	6.1	4.9	9.4	12.5	14.4	15.5	14.0	12.2	12.5	11.6	35.3	
-417		13 18	2.2	1.1	1.5	2.8	6.1	5.1	9.4	12.5	14.4	15.6	14.1	12.2	12.4	11.3	36.7	
AA-106-418		13 31	-1.4	-1.5	-2.7	-1.9	.3	-1.2	2.9	9.2	12.0	10.0	6.9	4.4	3.6	2.7	34.5	
AA-105-424	15 JAN 81	8 19	2.6	2.0	2.4	3.2	6.0	6.5	12.2	17.2	18.7	17.9	13.8	11.2	11.1	9.4	34.4	
-425		8 21	2.9	2.1	2.4	3.2	6.0	6.8	13.0	18.3	20.2	19.7	16.4	13.3	12.0	9.8	35.3	
-426		8 22	3.0	2.2	2.6	3.4	6.3	6.9	12.9	18.4	20.6	19.5	15.1	12.1	10.7	8.0	35.3	
-427		8 23	3.1	2.5	2.8	3.6	6.6	7.3	13.0	18.4	19.9	19.3	15.7	13.3	12.2	9.9	36.2	
-428		8 25	2.9	2.1	2.3	2.9	6.0	6.9	12.7	17.6	18.4	17.2	13.2	10.2	9.8	7.9	34.4	
AA-106-429		8 33	-1.4	-1.6	-2.7	-2.1	-0.5	-1.7	2.2	13.0	14.2	9.2	7.1	4.9	4.0	3.4	35.4	
-430		8 34	-1.5	-1.5	-2.6	-2.1	-0.5	-1.6	2.2	12.9	14.5	9.5	7.5	5.3	4.5	3.7	35.9	
-431		8 36	-1.8	-1.7	-2.8	-2.1	-0.8	-1.8	2.2	12.6	13.8	9.0	7.2	5.0	4.0	3.4	34.1	
-432		8 37	-1.9	-1.7	-2.7	-2.1	-0.6	-1.8	2.4	12.8	14.3	9.4	7.2	4.8	3.8	3.2	34.5	
-433		8 39	-1.7	-1.7	-2.7	-2.0	-0.5	-1.7	2.4	13.0	14.0	9.2	7.1	4.7	3.6	2.8	38.1	
AA-105-434	03 FEB 81	9 16	1.7	1.3	1.9	1.8	3.5	1.1	2.1	3.7	6.9	11.0	13.2	15.7	16.5	16.7	40.7	
-435		9 26	1.6	1.3	1.8	1.4	3.0	.7	1.5	3.2	6.4	11.1	13.8	15.3	15.2	14.6	36.3	
-436		9 28	1.6	1.2	2.0	1.6	3.3	1.2	2.0	3.6	6.9	11.2	13.5	16.2	17.4	17.1	34.5	
-437		9 29	1.5	.8	1.5	1.2	3.1	.5	1.6	3.2	6.6	10.5	12.2	14.1	14.9	15.5	35.4	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 134 M

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

DATE 02 FEB 87  
 PAGE E9

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-106-392	09 JAN 81	14 42	.7	.5	.0	-1.0	-3.1	-5.0	-5.1	-3.5	-2.4	-3.3	-2.3	-3.8	-3.0	.6	-1.5			
-393		14 44	-1	-4	-8	-2.1	-4.7	-6.6	-5.2	-2.9	-3.0	-4.6	-2.8	-4.5	-3.8	.0	-2.4			
-394		14 45	-2	-2	-2	-1.0	-4.0	-6.2	-6.2	-4.6	-2.9	-4.1	-3.6	-4.6	-3.7	.1	-2.2			
-395		14 47	3.5	2.6	1.6	.6	-1.8	-3.7	-2.8	-.7	.6	-.6	-.4	-1.6	-.8	2.9	.4			
-396		14 49	2.1	1.8	1.6	1.1	-1.8	-3.9	-3.5	-2.1	-.9	-1.5	-1.2	-2.5	-1.7	2.5	.1			
-397		14 50	2.5	1.9	1.4	.7	-2.1	-3.6	-2.4	-.7	-.7	-1.4	-.1	-1.6	-.5	2.7	.2			
-398		14 52	1.9	1.8	1.8	1.0	-1.9	-3.5	-2.8	-.7	-.1	-1.6	.0	-1.9	-.3	2.7	.3			
AA-105-399	13 JAN 81	8 7	8.9	9.0	8.6	8.1	6.2	3.6	2.9	2.2	1.1	1.0	2.0	-2.5	.7	8.8	6.9			
-400		8 11	8.7	9.1	9.1	8.5	6.7	4.4	3.9	3.4	2.4	2.4	3.5	-1.0	1.4	8.9	7.4			
-401		8 13	9.8	9.8	9.5	8.9	7.0	4.6	3.9	3.2	2.3	2.2	3.3	-.8	2.2	9.3	7.8			
-402		8 14	9.6	9.9	9.9	9.6	7.7	5.3	5.2	4.6	3.6	3.6	4.9	.7	3.6	9.4	8.5			
-407		8 35	9.6	10.0	9.8	10.1	8.8	6.7	6.5	6.0	4.7	4.7	6.0	1.1	4.0	9.5	9.1			
-408		8 37	10.2	10.5	10.4	10.8	9.7	7.4	6.9	6.4	5.4	5.8	7.0	2.4	5.0	9.5	9.7			
-409		8 38	10.1	10.5	10.4	10.6	9.7	7.7	7.5	7.1	6.3	6.6	7.5	2.8	4.9	9.5	9.8			
-413		13 7	9.8	10.9	11.3	11.1	10.4	8.7	8.1	7.1	8.6	6.0	7.2	3.1	3.0	10.3	10.3			
-414		13 11	9.8	10.3	10.6	10.5	9.7	7.8	7.1	6.1	7.0	4.3	5.6	1.4	1.4	9.9	9.6			
-415		13 14	10.8	12.2	13.2	13.7	13.1	11.3	10.8	10.1	11.5	9.4	10.7	4.8	4.8	10.4	12.0			
-416		13 16	11.4	12.7	13.6	14.1	13.8	12.5	12.0	11.4	12.5	10.9	12.6	7.0	7.0	10.8	12.7			
-417		13 18	10.8	11.9	12.4	12.7	12.2	10.8	10.7	10.1	11.3	9.8	11.5	6.8	6.8	10.5	11.8			
AA-106-418		13 31	2.0	.9	.7	.2	-2.1	-2.6	-.7	.6	1.1	.7	2.8	.2	1.6	2.0	.4			
AA-105-424	15 JAN 81	8 19	7.5	7.1	7.4	7.5	5.8	2.5	1.4	1.2	1.6	.4	2.0	-1.5	-1.3	9.3	6.3			
-425		8 21	7.1	6.0	5.7	5.1	3.3	.3	.4	1.2	1.9	.8	2.1	-2.1	-3.2	9.0	5.3			
-426		8 22	5.5	4.6	4.3	3.7	2.0	-.4	.3	1.0	1.5	.3	.7	-3.9	-4.4	8.2	4.1			
-427		8 23	7.2	6.0	6.1	6.3	4.7	1.7	1.6	2.5	3.0	1.9	3.7	-1.2	-3.5	9.6	6.2			
-428		8 25	5.4	4.3	3.9	3.7	2.3	.6	.9	1.0	1.7	.0	1.9	-3.4	-4.9	8.2	4.4			
AA-106-429		8 33	2.0	1.5	.9	-.9	-2.8	-4.2	-5.4	-4.5	-2.3	-2.2	.0	-2.3	-.7	.6	-.9			
-430		8 34	2.4	1.9	1.0	-.8	-2.4	-3.9	-4.6	-3.6	-1.0	-1.5	.7	-1.5	.0	.9	-.5			
-431		8 36	1.9	1.2	1.0	-.6	-2.8	-4.2	-5.0	-4.1	-2.4	-2.6	-.5	-2.7	-1.3	.6	-.8			
-432		8 37	1.6	.9	.3	-1.4	-3.6	-5.0	-5.2	-3.7	-.9	-1.3	.2	-1.6	.0	.5	-1.1			
-433		8 39	1.4	.8	.0	-1.5	-3.1	-4.6	-5.2	-3.6	-.9	-1.9	-.1	-1.9	-.6	.5	-1.1			
AA-105-434	03 FEB 81	9 16	16.3	16.9	17.4	18.0	17.8	16.7	17.1	16.8	15.6	13.9	14.2			7.2	14.3			
-435		9 26	14.0	13.9	14.5	15.1	14.5	13.3	13.8	13.5	13.0	11.7	11.9			6.6	12.7			
-436		9 28	16.1	16.8	16.9	17.0	16.5	15.6	16.1	15.8	14.6	14.1	14.2			7.1	14.2			
-437		9 29	15.8	16.9	17.1	17.5	16.6	15.3	15.7	15.0	13.1	12.8				6.1	13.1			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE: DISTANCE 134 M

DATE 02 FEB 87  
 PAGE D10

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-441	04 FEB 81	0 22	2.6	2.3	2.3	2.0	3.5	1.3	2.0	4.7	0.2	13.5	17.6	17.2	15.8	15.1	36.2		
-442		0 23	2.8	2.1	2.2	2.0	3.4	1.1	2.6	4.8	0.4	13.8	18.3	17.8	16.8	16.6	36.7		
-443		0 27	3.0	3.0	3.3	3.3	4.6	2.3	4.2	6.1	9.4	14.4	17.7	19.0	17.7	17.2	32.2		
-444		0 28	3.0	3.2	3.4	3.3	4.8	2.5	4.1	6.0	9.3	14.7	18.8	18.5	16.3	15.8	38.5		
-445		0 30	2.8	2.2	2.5	2.4	3.6	1.6	3.0	4.8	8.2	13.4	17.0	17.6	16.2	15.9	37.1		
-446		0 38	-1.9	-1.5	-2.4	-2.0	-1.9	-3.7	-3.9	-1.6	2.2	9.6	15.4	6.0	4.0	1.3	37.3		
-447		0 40	-1.4	-1.3	-2.2	-1.5	-1.8	-3.5	-3.7	-1.3	2.6	10.7	15.1	5.3	3.2	.6	34.1		
-448		0 41	-2.0	-1.4	-2.5	-2.1	-2.3	-4.0	-4.3	-1.9	2.3	10.7	13.7	3.9	.9	-1.8	37.7		
-449		0 43	-1.9	-1.6	-2.5	-2.0	-2.3	-4.1	-4.2	-2.0	2.1	9.8		4.8	2.3	.3	37.3		
AA-105-450	12 FEB 81	13 10	1.8	1.5	1.5	1.8	2.9	.7	2.5	4.3	6.8	10.3	11.9	15.0	15.7	13.5	35.8		
-451		13 12	1.8	1.5	1.7	1.9	3.0	.6	2.4	4.1	6.4	9.4	10.5	13.0	14.1	13.1	37.1		
-452		13 29	1.8	1.7	1.8	2.0	3.2	.9	2.6	4.6	7.0	10.2	11.4	15.4	17.2	14.9	27.7		
-453		13 32	1.7	1.7	1.7	2.0	3.2	.7	2.5	4.4	6.7	9.8	10.7	14.1	15.9	14.0	35.3		
-454		13 48	1.8	1.4	1.6	2.0	3.1	.8	2.4	4.3	6.8	9.7	10.6	14.2	16.7	15.6	38.5		
AA-105-469	25 FEB 81	12 59	3.4	2.0	1.8	2.4	2.9	1.2	2.3	2.9	3.7	6.3	7.3	8.7	12.7	14.7	34.4		
-470		13 1	2.5	1.6	1.2	1.8	2.4	.6	2.0	2.8	3.7	6.4	8.0	9.7	14.4	15.0	34.9		
-471		13 2	3.1	1.8	1.5	2.1	2.9	1.1	2.7	3.8	4.8	7.5	9.1	11.0	17.3	18.2	34.0		
-472		13 4	2.8	1.7	1.4	1.8	2.4	.7	2.1	3.0	3.9	6.5	7.7	8.9	12.9	13.3	34.4		
-473		13 5	2.7	1.7	1.2	1.6	2.2	.6	2.1	3.0	4.0	6.4	7.4	9.3	14.5	15.8	35.3		
AA-106-464		0 33	1.0	.9	.6	1.3	2.3	-.5	-.5	.7	3.5	5.9	7.1	7.7	13.0	13.3	31.8		
-465		0 34	.6	1.0	.6	1.2	2.2	-.6	-.5	.7	3.5	6.0	7.1	7.3	12.0	12.5	33.5		
-466		0 36	.5	.9	.6	.9	2.0	-.8	-.9	.3	3.1	5.7	6.9	8.1	13.4	11.9	34.8		
-467		0 37	.4	.9	.5	1.1	2.1	-.7	-.7	.6	3.5	6.1	7.1	7.7	13.0	12.9	34.4		
-468		0 39	.2	.9	.5	1.0	2.2	-.7	-.7	.6	3.4	6.0	7.0	7.6	12.7	12.6	33.5		
-474		13 16	.0	.5	-.2	.5	1.5	-1.3	-1.3	.0	2.7	4.8	5.4	4.1	6.9	8.8	34.0		
-475		13 18	-.4	.1	-.4	.4	1.6	-1.2	-1.2	.0	2.7	4.8	5.5	4.7	6.3	10.1	34.0		
-476		13 19	.1	.4	.0	.8	1.8	-.8	-.9	.3	3.1	5.2	5.7	4.3	6.8	9.2	34.9		
-477		13 26	-.1	.2	-.2	.5	1.6	-1.1	-.9	.2	3.1	5.5	5.9	4.8	7.5	10.6	34.9		
-478		13 29	.1	.3	-.3	.7	1.6	-1.2	-1.2	-.1	2.7	5.0	5.7	4.5	7.3	9.7	34.4		
AA-105-479	27 FEB 81	7 15	1.9	.4	.4	.2	.8	-1.7	-.7	.8	3.1	6.9	10.7	18.4	14.5	9.4	34.4		
-480		7 17	1.7	.4	.3	.4	.8	-1.7	-.8	.8	3.0	7.2	11.2	17.8	14.3	9.1	34.8		
-481		7 18	2.0	.3	.4	.0	.7	-1.9	-.9	.7	3.1	7.6	11.7	16.9	13.5	8.2	34.8		
-482		7 20	1.7	.4	.4	.3	.8	-1.7	-.9	.8	3.2	7.8	12.1	17.2	14.0	8.8	34.4		
-483		7 21	1.5	.4	.2	.2	.7	-1.8	-.7	1.0	3.3	7.6	11.9	17.0	13.8	8.3	33.5		
-489		7 43	1.9	.6	.4	.3	.9	-1.7	-.8	.5	2.5	6.5	10.2	17.6	13.1	8.7	34.0		
-490		7 45	1.7	.4	.4	.3	1.1	-1.6	-.6	.6	2.6	6.6	10.1	17.8	13.2	9.1	34.4		

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE E10

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)							
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000												
AA-105-441	04 FEB 81	08 22	15.1	15.7	15.6	15.1	13.6	11.8	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	7.6	13.4		
-442		08 23	16.1	16.2	15.6	14.5	12.9	11.2	12.0	12.1	11.3	11.0	11.8	6.8											7.7	13.6	
-443		08 27	16.8	16.6	16.2	16.7	16.1	14.9	15.5	15.4				10.4											9.3	15.6	
-444		08 28	14.4	14.4	14.0	14.0	13.0	11.4	11.5	11.4	11.2	11.2	12.0	7.4	11.3										8.3	14.7	
-445		08 30	15.6	16.2	16.6	16.7	15.5	14.0	15.0	14.9	13.4	14.6	14.0												8.3	14.7	
-446		08 38	-6	-2.3	-3.1	-2.0	-2.0	-5	-6	-3	.3	.8	2.4	-2	2.0										-1.7	-1.9	
-447		08 40	-1.0	-2.8	-3.8	-1.9	-8	-5	-4	.0	.7	1.1	2.8	.5	3.0										-1.5	-1.9	
-448		08 41	-3.2	-4.9	-4.6	-2.7	-2.3	-1.2	-4	.0	.5	2.3	1.1	2.6											-1.3	-2.2	
-449		08 43	-1.2	-3.0	-3.7	-2.7	-1.8	-1.4	.1	.2	.8	2.5	-1.1	2.1											-1.1	-1.4	
AA-105-450	12 FEB 81	13 10	11.9	11.3	10.8	10.8	9.9	9.3	9.9	9.7	8.9	9.0	10.1												6.7	10.7	
-451		13 12	12.0	11.9	11.6	12.1	11.1	10.3	11.3	11.1	8.2	9.7	11.0													6.5	11.0
-452		13 29	13.0	12.4	11.6	11.8	10.7	9.9	10.5	10.4	9.4	9.6	10.9													6.9	11.4
-453		13 32	12.3	12.3	12.2	12.7	12.3	11.8	12.9	12.6	9.5	12.7	13.8													6.8	11.8
-454		13 48	14.1	14.0	14.1	15.1	14.8	14.2	15.2	15.4	14.4															6.9	12.9
AA-105-469	25 FEB 81	12 59	12.9	11.3	10.5	8.8	6.4	3.8	3.8	4.5	4.9	4.6	6.7													5.5	8.3
-470		13 1	11.9	9.5	8.5	6.8	5.1	2.9	2.6	2.9	3.8	.9	2.2	-2.2												5.1	7.2
-471		13 2	15.4	13.2	11.8	9.3	6.5	3.2	3.4	3.7	4.6	3.6	5.0	-1.4												6.3	8.8
-472		13 4	10.5	8.3	7.3	5.4	3.5	1.5	1.8	1.9	2.5	.8	2.2	-5.1												5.1	6.2
-473		13 5	13.8	11.9	11.4	10.4	8.0	5.0	4.6	4.6	5.3	3.8	5.7	-1.6												5.6	8.9
AA-106-464		08 33	10.4	7.5	7.2	7.9	5.7	3.4	2.2	1.9	2.2	1.1	2.5	-1.9												3.2	5.7
-465		08 34	10.0	7.7	7.9	8.9	7.1	5.4	4.7	4.3	4.0	3.7	5.5	3.2	6.5											3.2	6.5
-466		08 36	8.3	4.9	4.4	4.6	2.1	.0	-1.0	-1.2	-1.1	-2.4	-1.4	-5.1	-5.8											2.7	3.6
-467		08 37	9.9	7.1	6.6	6.9	4.3	1.8	.4	-1	.0	-1.1	.4	-3.2	-3.7											3.0	4.8
-468		08 39	9.6	6.8	5.9	6.6	5.1	3.3	2.4	2.2	2.2	1.3	2.9	-1.9												3.2	5.6
-474		13 16	8.2	7.0	7.1	9.2	9.6	9.5	10.6	11.9																2.4	6.1
-475		13 18	8.7	6.6	6.9	8.6	7.8	6.3	6.2	6.5																2.4	5.8
-476		13 19	9.2	8.5	10.0	13.2	14.2	14.0	14.8	15.5																2.8	7.0
-477		13 26	10.9	10.1	10.4	12.2	12.2	11.3	12.1	12.1																2.7	7.0
-478		13 29	9.2	8.1	8.2	10.5	11.2	10.9	12.0																	2.5	6.6
AA-105-479	27 FEB 81	7 15	4.1	-1.4	-4.2	-2.3	.9	-2.6	.0	.4	1.9	.4	.8	-4.1	-3.6											3.4	2.0
-480		7 17	4.0	-1.6	-3.9	-1.1	.0	-2.5	1.1	.7	2.9	.8	.9	-4.0	-3.5											3.5	2.1
-481		7 18	3.1	-2.3	-3.8	.3	-1.3	-1.6	1.7	1.7	2.4	.7	.6	-4.1	-3.6											3.5	2.2
-482		7 20	3.5	-2.1	-3.6	.8	-.8	-1.0	2.7	2.1	2.8	1.6	1.3	-3.5	-3.1											3.7	2.7
-483		7 21	3.3	-2.1	-3.2	1.1	-.6	-.5	2.9	2.4	2.7	1.4	1.4	-2.9	-2.9											3.0	2.8
-489		7 43	4.4	-.7	-3.7	-4.1	-.4	-.5	-2.2	-.1	-.2	-1.1	-.4	-5.6	-6.3											3.0	1.6
-490		7 45	4.5	-.7	-3.8	-4.0	-.3	-.5	-2.2	.1	.0	-1.0	-.1	-4.9	-6.1											3.1	1.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 134 M  
 DATE 02 FEB 87  
 PAGE D11

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-485	27 FEB 81	7 29	1.7	1.4	1.0	1.5	2.9	-1.1	.1	.9	4.0	6.5	8.2	9.0	14.1	13.1	33.5		
-486		7 31	1.6	1.5	.9	1.0	2.2	-1.3	-1.4	-.3	2.5	5.1	7.9	11.8	12.6	6.1	34.4		
-487		7 32	1.9	1.2	1.0	1.4	2.7	.0	-.3	.7	3.7	6.1	7.9	8.6	11.9	10.3	35.3		
-488		7 34	2.4	1.9	1.7	1.8	3.3	.5	.6	1.6	4.3	6.5	8.4	9.9	15.7	13.4	34.4		
-491		7 51	3.3	2.8	2.4	2.8	4.1	1.2	.9	1.6	4.4	6.9	8.3	7.9	10.8	12.6	35.3		
-492		7 53	3.5	2.7	2.3	2.6	3.9	1.0	.8	1.7	4.5	6.9	8.5	8.2	10.9	12.5	36.2		

ESA STATISTICS:

MINIMUM (-7.8 -6.4 -6.1 -6.2 -5.5 -6.6 -6.0 -5.6 -6.0 -3.6 -3.1 -2.5 -1.4 -1.8)  
 MAXIMUM (8.0 7.7 7.6 8.0 8.6 8.4 13.0 18.4 20.6 19.7 24.9 26.2 24.6 26.2)  
 AVERAGE (1.3 1.2 .9 1.4 2.3 1.2 2.3 4.1 6.2 9.4 12.8 13.1 12.7 11.2)  
 STANDARD DEVIATION (1.8 1.7 1.7 1.8 2.0 2.3 3.4 4.6 4.5 3.8 5.0 5.2 4.8 5.1)  
 NUMBER OF DATA POINTS (368 369 369 369 369 369 369 369 369 369 367 368 369 369)

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST RA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 134 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E11

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (MR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AR-106-485	27 FEB 81	7 29	9.9	7.2	6.8	6.8	5.2	3.8	3.2	3.5	2.4	2.7	3.0	-2.2	.4	3.8	6.0
-486		7 31	2.3	-4	-4	1.1	1.2	.2	-2	.9	1.1	1.3	2.3	-1.1	-1.9	2.3	2.4
-487		7 32	8.4	7.1	6.6	6.0	4.3	3.2	3.3	4.7	4.5	4.5	4.0			3.5	5.5
-488		7 34	10.6	8.0	6.9	6.4	4.5	2.9	2.1	2.3	4.1	2.7	4.2	1.4	.6	4.4	6.2
-491		7 51	10.6	8.7	8.3	8.2	7.1	6.1	6.4	6.7						4.4	7.5
-492		7 53	11.3	9.7	9.3	9.0	7.6	6.2	6.2	7.2						4.4	7.9

ESA STATISTICS:

MINIMUM	-4.2	-4.9	-5.4	-4.1	-4.7	-6.6	-6.2	-4.6	-3.7	-5.2	-4.6	-6.0	-6.3	-3.2	-2.4
MAXIMUM	25.8	25.8	25.9	26.8	27.4	24.7	26.0	27.1	27.5	25.5	21.9	15.3	11.6	12.7	19.2
AVERAGE	9.3	7.6	6.1	5.7	5.4	4.1	4.6	5.6	5.3	3.7	5.0	1.0	1.7	4.8	6.2
STANDARD DEVIATION	5.5	6.1	6.6	6.8	6.7	6.3	6.1	5.9	5.3	5.0	4.7	4.1	3.5	2.7	4.5
NUMBER OF DATA POINTS	369	369	368	369	369	368	350	350	310	313	299	244	198	369	369

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-091

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE D12

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-034	29 NOV 79	11 1	6.0	6.4	6.5	7.3	9.1	8.9	9.7	10.7	12.4	16.1	19.8	22.5	24.0	24.1	19.2
AA-101-036	06 DEC 79	11 14	1.6	1.0	1.0	1.5	1.6	1.4	1.4	2.5	5.0	11.6	22.8	24.7	20.2	16.7	29.2
-037	15 15	1.5	1.2	1.1	2.0	2.8	2.1	3.1	3.1	3.9	5.7	9.8	14.2	21.0	24.9	25.6	30.4
AA-101-038	12 DEC 79	10 50	5.1	5.7	7.7	9.3	9.8	12.0	13.2	14.9	18.7	21.7	24.5	25.7	26.0	26.0	32.7
-039	11 18	.1	.8	1.9	2.3	2.6	3.0	3.0	3.0	3.0	3.0	9.1	19.7	22.4	18.9	16.0	30.4
-040	13 10	1.9	2.1	2.0	2.7	3.1	3.5	3.7	4.9	8.5	17.8	26.3	21.5	16.6	12.4	29.5	29.5
AA-101-041	13 DEC 79	11 30	.5	.6	.9	.8	1.6	2.6	3.6	4.4	8.3	15.7	17.8	13.8	9.9	42.5	42.5
AA-101-043	14 DEC 79	12 6	-6.8	-5.3	-5.0	-3.8	-2.5	-2.9	-2.6	-2.5	-1.0	2.2	5.8	11.4	14.4	14.8	29.5
AA-101-044	23 JAN 80	11 54	.1	1.1	1.2	1.6	4.0	3.7	4.8	5.9	8.1	11.7	13.3	15.3	15.6	15.7	28.6
AA-101-047	29 JAN 80	11 42	-.2	1.0	.8	.7	2.5	2.9	4.1	4.7	5.4	7.3	9.5	12.0	12.6	12.6	42.4
-049	13 27	.5	1.6	1.8	2.6	5.1	4.1	5.4	6.6	8.6	11.6	15.8	20.4	17.8	16.3	30.4	30.4
AA-101-052	05 FEB 80	13 37	-.6	.2	-.4	.0	1.8	.5	.9	.7	2.5	6.0	10.5	21.4	21.1	15.9	29.2
AA-102-057	13 FEB 80	14 43		8.9	7.9	7.0	7.4	6.7	6.3	4.9	10.1	23.3	26.4	15.6	8.2	2.4	29.5
-058	14 51		8.3	7.2	5.7	6.3	5.8	4.3	4.2	10.0	21.5	13.7	8.7	4.3	1.2	29.5	29.5
-059	15 15		8.0	7.5	6.6	7.8	6.1	4.9	4.4	9.6	23.1	23.3	14.2	7.2	.7	38.5	38.5
AA-101-065	20 FEB 80	11 19	.9	1.6	.9	1.0	2.5	1.1	1.5	1.2	1.6	2.4	4.6	8.9	14.0	20.2	33.1
AA-102-067	13 11	2.9	.8	.4	.2	.4	-1.2	-1.4	-1.8	-1.2	.1	1.0	-.3	1.9	11.2	29.5	29.5
AA-101-068	21 FEB 80	14 10	-1.7	-1.2	-1.8	-1.9	-.7	-2.4	-2.1	-2.3	-2.0	-2.1	-1.2	1.6	6.2	15.1	29.5
-069	14 13	-.2	1.1	.7	.6	.2	.5	-.1	-.6	-.6	-.9	1.0	4.3	10.7	18.3	29.5	29.5
AA-102-070	14 33	3.2	.5	1.6	2.1	2.9	3.0	2.7	5.3	7.4	9.2	11.0	11.0	10.6	14.1	21.9	21.9
AA-102-071	22 FEB 80	14 48	.9	.0	-.4	-.6	-1.7	-2.8	-3.5	-1.3	2.8	8.3	12.0	17.3	12.3	4.2	25.0
-072	14 53	1.0	-1.5	-.8	-1.0	-3.2	-2.8	-3.2	-.8	2.2	7.9	14.2	17.3	12.2	4.9	34.4	34.4
AA-101-073	27 FEB 80	11 57	5.9	1.5	.0	.0	.7	8.2	17.3	27.5	25.6	24.2	22.6	19.2	15.5	14.1	22.3
AA-101-074	01 APR 80	11 3	2.8	2.0	2.5	1.8	4.3	2.2	3.6	5.0	6.5	10.2	16.1	23.1	27.3	28.2	42.0
-075	11 22	2.1	1.4	1.6	.5	3.6	1.7	3.2	5.0	6.5	10.3	16.0	23.1	25.0	23.2	33.5	33.5
AA-101-076	03 APR 80	11 17	2.1	1.3	1.5	.0	3.5	1.7	3.1	4.7	6.6	10.8	17.2	24.6	27.0	26.0	30.4
-077	14 12	1.9	1.0	.6	.0	2.0	-.1	1.6	3.6	6.2	11.6	21.8	28.0	25.5	20.6	39.7	39.7



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE E12

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-101-034	29 NOV 79	11 1	22.4	21.2	20.3	19.1	18.3	16.8									11.9	19.2
AA-101-036	06 DEC 79	11 14	12.7	9.8	6.2	3.2	2.7	1.1	1.7	3.2	1.4	1.4					5.7	7.4
-037		15 15	23.1	22.1	20.8	19.8	18.7	16.7	17.5	17.3							6.3	15.4
AA-101-038	12 DEC 79	10 50	25.0	24.2	23.1	21.8	21.7	19.8									14.1	21.8
-039		11 18	12.6	10.2	7.1	5.2	5.1	3.6									2.7	7.5
-040		13 10	8.4	5.0	1.8	.7	2.6	3.2	4.4	5.7	.8	3.6					7.4	6.6
AA-101-041	13 DEC 79	11 30	6.8	5.3	3.3	2.5	3.4	3.3									2.6	5.9
AA-101-043	14 DEC 79	12 6	13.5	9.6	6.9	6.2	5.3	4.6	5.0	5.9							1.1	7.0
AA-101-044	23 JAN 80	11 54	14.5	13.8	13.0	12.0	11.2	10.1	9.9								6.8	12.2
AA-101-047	29 JAN 80	11 42	12.2	9.2	7.6	6.4	6.1	5.4	5.2	5.7							5.5	8.4
-049		13 27	15.0	11.4	9.4	7.4	7.0	6.4	7.4	7.8							9.1	11.6
AA-101-052	05 FEB 80	13 37	13.5	11.8	12.0	12.5	12.3	10.9	10.7	10.4							3.6	9.5
AA-102-057	13 FEB 80	14 43	1.3	-1.5	-2.7	-2.5	.2	.1	-1.1	2.3	-1.0						6.9	1.6
-058		14 51	-2.6	-4.6	-4.0	-2.4	-2.1	-1.2	-1.2	-1.6	-2.7						2.9	-2.0
-059		15 15	-1.9	-4.1	-3.8	-2.4	-2.5	-1.4	-1.1	1.2	-2.8						6.2	.8
AA-101-065	20 FEB 80	11 19	29.9	26.0	18.9	16.8	16.3	14.4	14.6	14.8							5.0	12.1
AA-102-067		13 11	19.6	11.9	5.8	-2.2	-5.1	-5.3	-3.9	-1.5	-4.6	-3.2	-2.5	-5.0			.4	1.5
AA-101-068	21 FEB 80	14 10	13.9	6.6	2.0	-1.6	-2.4	-1.9	-1.4	-1.9	-2.5	-2.2	-3.1				-7	.9
-069		14 13	13.2	6.2	2.6	.4	-8	-1.1	.7	.9	-.3	.2	-.8	-4.0			1.9	3.1
AA-102-070		14 33	17.7	18.1	17.3	14.0	13.0	12.3	11.5	13.4							7.5	11.9
AA-102-071	22 FEB 80	14 48	-1.1	-3.8	-1.8	-.4	-1.4	-.3	-.7	2.7	.4	-.4	-.4				1.1	.5
-072		14 53	-1.5	-3.8	-1.5	-.6	-2.4	-1.5	-1.7	1.3	-.2	-.8	-1.7	-3.4			1.8	1.0
AA-101-073	27 FEB 80	11 57	13.2	10.8	9.8	9.3	8.7	7.1	7.7	6.8	8.4	7.2					10.2	10.9
AA-101-074	01 APR 80	11 3	27.3	25.6	23.9	22.5	23.5	22.4	23.4	20.0							8.3	17.7
-075		11 22	22.2	19.7	17.6	15.4	16.1	14.8	15.0	12.5							7.0	15.4
AA-101-076	03 APR 80	11 17	23.7	21.2	18.2	16.6	16.5	15.1									5.5	11.5
-077		14 12	15.5	9.3	4.9	2.4	2.7	2.1	4.3	2.4	3.6	5.1	6.5	4.9	2.1		7.0	7.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 230 METERS  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 230 M  
 DATE 02 FEB 87  
 PAGE D13

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-101-080	10 APR 80	9 39	1.1	.8	1.2	1.4	3.4	2.6	2.8	4.1	5.3	8.0	10.9	14.8	17.5	17.5	18.3			
-081		10 47	.7	.3	.5	.7	2.6	2.2	3.9	5.9	7.6	11.1	14.4	18.1	20.1	20.2	33.9			
-082		11 47	1.5	.7	1.2	1.0	4.3	3.3	5.9	8.8	11.6	17.4	21.2	24.3	26.0	25.2	31.7			
-083		12 3	1.3	1.0	1.7	1.9	3.5	4.0	5.0	7.3	9.4	13.5	17.4	21.9	24.3	23.7	34.4			
AA-101-087	11 APR 80	10 51	1.4	.6	.7	1.0	3.0	1.7	3.1	4.6	6.0	9.2	13.1	18.2	23.5	23.5	32.6			
AA-101-088	16 APR 80	10 4	1.0	.7	.4	-1.0	.7	-.5	1.3	2.7	5.8	11.6	21.4	24.6	19.7	13.5	34.4			
AA-101-089	17 APR 80	11 23	1.4	.5	.5	.6	3.1	1.0	2.6	4.6	6.4	9.7	13.3	17.3	20.8	23.0	29.5			
AA-101-090	18 APR 80	11 6	.6	.0	.1	.2	2.5	.7	2.1	3.5	4.8	8.1	11.6	16.4	20.5	24.1	32.6			
AA-101-092	22 APR 80	11 2	1.6	1.8	2.4	2.6	5.7	4.8	8.0	11.4	15.1	19.4	23.3	26.5	26.1	24.7	30.3			
AA-101-094	06 MAY 80	14 33	-2.5	-2.5	-2.0	-2.1	-.2	-.2	2.7	6.5	11.0	17.3	21.9	20.6	16.9	13.3	29.9			
AA-101-096	08 MAY 80	10 26	-2.4	-2.6	-.7	-.5	1.3	3.5	6.8	8.1	8.1	12.0	14.6	12.5	10.6	9.4	24.6			
AA-101-098	09 MAY 80	10 40	-1.2	-1.2	-.5	-.1	2.1	1.9	4.3	7.0	9.9	15.1	19.0	22.3	24.6	22.9	35.3			
-099		12 29	-1.6	-1.8	-1.2	-1.0	1.7	1.0	3.8	6.4	10.2	15.7	19.9	21.1	20.1	20.0	29.5			
AA-102-100		14 34	2.4	.0	-.1	-.7	.2	-.3	1.2	5.0	11.2	23.5	23.6	13.0	8.6	5.3	29.5			
AA-103-101	09 SEP 80	7 10	.3	1.3	.1	1.5	2.2	1.7	4.1	7.6	14.0	24.2	28.3	23.0	20.9	18.3	30.0			
-103		7 24	.9	1.7	.3	1.6	2.6	2.3	5.3	9.2	15.7	27.9	30.7	24.2	21.4	16.4	29.5			
-105		7 35	.6	2.1	.7	1.8	2.7	2.4	5.5	9.1	15.1	26.1	29.9	23.8	20.9	15.7	32.2			
-107		7 45	1.3	2.1	1.0	2.3	2.8	3.0	5.9	9.0	14.8	25.3	30.0	23.5	20.7	15.6	34.4			
-109		7 55	.8	1.3	.1	1.5	2.3	2.0	4.9	8.0	12.9	21.7	27.9	23.2	21.4	17.6	30.4			
-111		12 26	1.1	1.9	2.7	5.2	6.0	6.6	8.1	9.8	13.2	18.7	24.6	25.7	24.6	23.9	40.6			
-112		12 38	.6	2.0	1.9	3.8	6.5	10.3	14.4	18.9	23.6	28.8	29.2	30.5	28.6	29.5	29.5			
-114		13 10	1.9	3.5	2.8	5.0	6.2	7.2	9.9	12.2	16.2	20.7	25.9	26.3	27.0	26.6	32.6			
-116		13 23	1.5	2.7	2.5	4.5	6.4	6.8	9.7	12.5	17.0	23.5	28.8	28.4	28.5	27.8	30.4			
-118		13 37	1.9	3.4	3.0	5.3	6.2	7.3	10.0	12.9	17.2	23.1	27.7	27.6	28.3	27.5	33.5			
-120		13 53	1.9	2.8	2.5	4.5	6.0	6.3	8.9	11.7	16.1	21.8	26.4	27.1	29.3	28.4	29.5			
-122		14 8	1.6	2.7	2.3	3.8	5.5	6.2	8.8	11.2	14.6	19.2	24.1	24.3	25.8	25.0	28.6			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 238 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E13

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-101-080	10 APR 80	9 39	16.3	15.2	14.6	14.1	13.7	12.4											6.6	13.5
-081		10 47	20.3	18.5	18.0	17.0	16.4	15.1											7.0	14.3
-082		11 47	24.4	22.9	22.1	21.6	21.0	19.3											9.5	18.8
-083		12 3	23.2	21.9	20.4	19.8	19.1	17.4											6.3	13.4
AA-101-087	11 APR 80	10 51	22.7	20.8	18.9	17.9	17.0												7.6	16.1
AA-101-088	16 APR 80	10 4	8.1	3.7	2.2	1.0	2.4	1.2											3.8	7.8
AA-101-089	17 APR 80	11 23	23.3	21.9	21.5	20.6	19.9	18.7	20.2										7.1	16.5
AA-101-090	18 APR 80	11 6	24.7	21.9	20.7	20.4	20.1	18.1											6.5	15.5
AA-101-092	22 APR 80	11 2	25.5	24.4	23.4	22.5	22.2	20.5	21.9	20.5									11.9	21.2
AA-101-094	06 MAY 80	14 33	10.4	6.4	4.1	2.3	1.0	-1.1	.7	-1.1	.6	.1						6.5	5.6	
AA-101-096	08 MAY 80	10 26	7.3	4.9	1.8	-1.1	2.8											3.1	6.8	
AA-101-098	09 MAY 80	10 40	22.4	19.7	18.4	17.7	17.5	15.6	16.5									8.9	18.0	
-099		12 29	20.7	18.6	17.4	16.6	15.8	13.8										7.4	15.6	
AA-102-100		14 34	2.5	-6	-2.8	-3.4	.0	-2	-1.1	1.5	2.3	-2.1						3.2	.0	
AA-103-101	09 SEP 80	7 10	15.7	12.5	8.6	5.7	3.8	1.3	4.3	5.8	4.9	3.3	4.3	1.1	-6			9.0	8.5	
-103		7 24	12.2	7.8	1.9	-1.0	5.0	4.1	9.4	8.9	6.8	10.8	9.3	9.0				9.2	7.0	
-105		7 35	10.8	6.2	1.1	-2.5	-6	3.5	4.4	4.9	6.4	4.1	6.4	4.5	3.8			8.6	5.4	
-107		7 45	11.0	7.2	2.4	-1.5	-2.0	-2.1	4.1	6.6	6.7	4.0	5.7	3.0				8.7	5.0	
-109		7 55	14.6	12.2	8.9	5.5	3.2	.1	.4	.9	1.2	-.9	.1					8.6	6.3	
-111		12 26	23.9	23.8	22.2	22.1	21.9	17.9										11.1	19.4	
-112		12 58	26.6	26.3	25.5	26.1	26.1	23.4	23.6	24.3	24.5							15.2	24.1	
-114		13 10	24.2	23.3	22.9	22.9	23.1	20.2	20.2	20.9	20.6							14.5	21.6	
-116		13 23	26.2	26.1	25.8	25.5	25.5	23.0	22.8	23.4								14.7	23.5	
-118		13 37	24.9	25.4	25.3	25.3	25.5	22.5	22.5	22.8	22.6							14.6	23.0	
-120		13 53	26.5	26.1	25.5	25.8	25.1	22.0	22.1	22.9	21.9							13.9	22.8	
-122		14 8	23.9	23.8	24.0	24.1	23.7	20.5	20.6	21.1	21.0							13.3	21.2	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-091

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE D14

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-102	09 SEP 80	7 17	1.8	.7	.1	.4	1.2	1.2	3.1	8.3	16.8	27.2	19.3	8.0	3.8	2.1	31.8		
-104		7 30	2.2	1.6	.3	1.3	2.0	1.3	3.9	8.3	16.2	30.3	26.6	19.5	10.1	7.1	34.5		
-106		7 40	2.3	1.5	.2	1.0	2.3	1.2	3.4	7.3	13.9	25.0	24.5	15.0	12.7	10.6	39.4		
-108		7 50	2.4	1.7	.3	1.2	1.8	1.4	3.7	7.5	14.3	25.5	26.2	14.7	11.9	10.6	32.2		
-110		8 1	2.2	1.7	.5	1.1	2.0	1.1	3.9	8.5	16.4	28.8	26.6	15.8	11.5	7.6	39.8		
-113		13 4	1.4	.5	-.9	.2	1.1	.5	2.5	5.9	12.7	26.3	25.8	9.2	5.5	3.2	35.4		
-115		13 16	2.3	1.5	-.1	1.0	2.0	.9	3.2	6.5	12.2	22.8	27.9	13.6	10.1	7.2	37.1		
-117		13 29	1.3	.8	-.5	.7	.8	.8	2.4	5.6	11.3	21.0	25.6	12.2	8.1	6.4	31.3		
-119		13 47	1.7	1.3	-.2	1.2	1.0	1.5	3.1	6.3	12.0	22.0	26.9	12.6	6.7	5.5	32.2		
-121		14 3	.6	.5	-1.3	-.2	.3	.1	2.3	6.1	13.2	25.1	26.6	10.0	6.2	4.0	31.3		
-123		14 13	1.5	1.2	-.4	.8	1.3	.7	2.4	5.4	10.9	20.2	26.4	14.0	11.4	10.0	31.3		
-124		15 18	2.3	.6	-.9	-.1	1.1	.5	2.2	5.1	10.5	20.4	24.7	15.7	9.2	6.8	30.9		
AA-103-125	10 SEP 80	6 58	-.6	-.4	-1.2	.5	.1	1.3	3.0	6.5	12.7	24.3	21.9	17.7	14.4	14.4	30.8		
-127		7 11	.2	-.4	-.4	.4	1.0	.3	1.3	3.1	6.6	12.9	25.6	22.8	17.8	12.1	30.0		
-129		7 22	.6	.5	-.1	1.1	1.3	.7	1.8	3.3	6.5	12.6	24.3	25.5	22.4	18.0	29.5		
-131		7 33	.5	.8	-.3	.6	1.0	.2	1.5	3.4	7.5	15.0	25.4	23.3	19.8	14.4	28.6		
-133		7 44	-2.0	-1.7	-2.8	-2.2	-1.6	-2.4	-1.3	-3	3.6	10.0	22.3	18.6	15.0	10.6	29.4		
-135		13 0	.0	.5	.3	1.3	2.5	1.7	3.0	4.4	6.4	8.2	11.7	14.6	20.7	23.0	29.5		
-137		13 10	-.1	.3	-.4	.3	.7	-.1	1.0	2.1	4.8	7.6	13.4	18.6	23.2	21.5	30.4		
-139		13 19	-.6	.5	-.2	1.1	1.7	.5	1.6	2.7	4.5	7.3	11.2	15.4	21.2	19.6	30.4		
-141		13 29	-.5	.2	-.5	.5	.8	.2	1.4	2.5	4.8	7.7	13.5	19.7	24.3	20.8	30.9		
-143		13 44	-.5	-.2	-.9	.0	.8	-.3	1.1	2.4	4.5	7.2	13.2	18.3	22.0	18.3	30.8		
AA-104-126		7 4	3.7	2.7	1.2	1.9	2.3	1.4	1.6	2.9	6.4	11.5	17.5	21.2	19.4	14.8	38.5		
-128		7 16	3.6	2.5	1.2	1.6	2.7	1.2	1.5	3.0	6.4	11.3	18.2	23.4	21.2	18.0	31.3		
-130		7 28	3.6	2.5	1.0	1.7	2.4	1.4	1.7	3.0	6.5	11.3	17.3	21.3	21.0	17.8	31.3		
-132		7 39	3.7	2.6	1.1	1.6	2.5	1.1	1.5	2.7	6.1	10.9	17.0	20.4	18.7	13.8	31.3		
-134		7 50	4.0	3.1	1.5	2.3	2.9	1.9	2.1	3.5	6.8	11.2	16.8	20.2	19.7	16.3	30.4		
-136		13 4	3.8	3.4	1.9	3.2	4.4	3.8	4.6	5.8	8.0	11.0	15.2	15.3	17.8	18.2	30.4		
-138		13 14	2.9	2.7	1.6	2.8	3.0	2.7	3.3	4.2	6.4	9.4	12.6	13.4	16.3	18.8	30.4		
-140		13 24	3.4	3.0	1.6	3.0	3.9	3.2	4.2	5.5	8.4	11.7	15.3	15.8	18.8	19.9	30.4		
-142		13 36	3.0	1.8	.5	1.2	3.0	1.3	1.9	3.2	5.7	9.2	12.5	13.1	15.8	15.7	28.6		
-144		13 49	3.1	2.1	.6	1.6	2.4	1.0	2.2	3.3	5.9	9.0	12.5	13.1	16.6	17.2	29.5		
AA-103-145	16 SEP 80	7 19	-.2	.4	-1.0	.1	.4	.4	3.2	6.2	12.7	25.0	29.2	17.9	12.7	7.5	36.7		
-147		7 34	-.5	.3	-1.0	.3	.4	.8	2.9	5.4	10.6	22.6	29.9	22.6	19.0	16.7	35.3		
-149		7 47	-.7	.6	-.6	.9	.7	1.5	3.1	5.3	10.2	21.8	29.5	21.8	19.0	16.6	29.5		
-151		8 0	-.1	.9	-.2	1.3	1.0	1.7	3.0	4.8	8.8	17.3	26.7	22.8	20.4	18.5	30.4		
-153		8 12	.5	1.5	.4	1.6	1.4	2.7	4.0	5.6	9.1	16.7	27.2	26.0	23.2	22.9	29.1		
-155		13 12	.9	2.1	1.2	2.7	2.8	3.0	4.8	6.3	9.8	15.9	24.8	26.4	27.5	25.8	23.7		
-156		13 21	.6	2.0	1.1	2.7	2.6	3.1	5.1	6.7	9.9	14.9	22.7	26.5	30.0	31.4	29.5		
-158		13 49	1.0	2.1	1.3	2.7	3.6	3.9	5.4	7.2	10.4	15.5	22.8	26.4	30.6	30.1	32.2		
-159		13 51	1.3	2.2	1.4	2.8	3.6	3.3	5.1	6.5	9.7	15.4	23.0	26.6	28.4	27.1	31.7		
-160		13 54	1.8	2.2	1.3	2.7	3.5	3.1	5.2	7.0	10.0	15.2	22.9	27.6	30.9	30.4	32.6		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

DATABASE:  
 DISTANCE 238 M

DATE 02 FEB 87  
 PAGE E14

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)		
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000	
AA-104-102	09 SEP 80	7 17	-1.8	-3.4	-5.2	-4.8	-3	-4.1	-3.4	-2	4.5	5.2	-3	3.0	-4.4	.0	3.2	-1.7
-104		7 30	4.0	-2	-2.3	-2	3.0	-2.1	3.8	4.5	3.8	4.1	3.8	5.8	3.6	4.7	5.9	2.3
-106		7 40	9.2	6.5	4.2	2.3	-4	-3.0	4.1	3.8	4.1	3.8	4.1	3.0	1.0	.7	5.9	3.2
-108		7 50	7.2	3.3	.2	-1.0	-3.0	-4.8	2.1	2.1	1.2	-1.3	2.2	-1.5	-1.7	2.9	5.5	1.2
-110		8 1	4.5	.2	-2.7	-2.7	.2	.3	2.1	4.0	5.9	2.5	5.6	2.6	2.9	2.9	5.9	1.7
-113		13 4	-1.2	-4.8	-6.2	-3.2	-3	-2.0	-2.2	.7	-1.0	1.1	-1.8	-2.0	.0	2.0	4.6	-5
-115		13 16	3.1	-1.3	-4.2	-3.8	-1.6	-4	.0	2.5	2.0	-7	3.9	.0	1.9	.0	5.7	1.1
-117		13 29	3.2	-.5	-3.6	-3.4	-3.3	-2.7	-1.8	.2	1.9	1.9	1.9	1.9	1.9	.0	5.2	.6
-119		13 47	2.3	-1.2	-3.9	-3.1	-8	-1.5	-1.1	.7	2.1	-1.2	1.9	1.9	1.9	.0	5.5	1.1
-121		14 3	.7	-2.7	-4.9	-1.9	.1	-1.3	-.4	1.2	2.7	2.7	2.7	2.7	2.7	2.7	4.9	.7
-123		14 13	7.4	4.0	.8	-.8	-3.0	-3.1	-.4	2.5	3.8	-5	1.9	1.9	1.9	1.9	5.7	2.5
-124		15 18	2.8	.0	-3.3	-4.7	-5.4	-4.3	-1.4	-.8	1.1	1.1	1.1	1.1	1.1	1.1	4.5	-.3
AA-103-125	10 SEP 80	6 58	10.3	5.8	1.1	-.9	2.2	2.3	2.0	4.4	2.7	1.4	1.4	1.4	1.4	1.4	5.7	5.0
-127		7 11	7.4	3.4	1.3	-3.5	-.8	1.1	1.8	3.9	3.8	2.3	2.3	2.3	2.3	2.3	5.2	3.5
-129		7 22	13.4	9.5	5.2	2.1	2.2	5.4	6.1	8.1	7.9	6.7	6.7	6.7	6.7	6.7	6.5	7.7
-131		7 33	9.3	5.9	2.9	2.5	5.3	4.7	4.9	6.5	6.5	5.1	5.1	5.1	5.1	5.1	6.3	6.9
-133		7 44	8.3	6.4	2.7	.4	1.3	2.4	3.9	5.6	5.6	5.2	5.2	5.2	5.2	5.2	3.4	5.5
-135		13 0	21.4	19.4	17.3	16.4	15.6	13.4	14.6	15.2	16.0	15.1	15.1	15.1	15.1	15.1	7.3	14.0
-137		13 10	18.3	16.4	12.9	10.0	7.8	5.0	5.6	6.2	6.6	5.8	5.8	5.8	5.8	5.8	5.7	10.0
-139		13 19	17.1	14.6	12.7	12.9	12.1	9.3	9.9	10.3	10.9	10.7	10.7	10.7	10.7	10.7	5.9	11.6
-141		13 29	16.4	13.7	8.9	5.6	3.9	.6	1.4	1.9	.7	1.6	3.0	3.0	3.0	3.0	5.4	6.8
-143		13 44	13.2	10.2	6.1	3.4	1.3	-2.0	-1.2	-.1	1.0	.5	2.6	2.6	2.6	2.6	4.9	4.9
AA-104-126		7 4	11.5	9.0	6.8	8.1	7.3	4.6	4.4	5.1	6.3	5.8	6.1	6.1	6.1	6.1	5.8	7.5
-128		7 16	14.7	11.5	9.8	10.7	9.7	7.0	6.2	6.5	7.6	4.2	4.2	4.2	4.2	4.2	5.8	8.9
-130		7 28	14.5	12.5	10.9	11.8	11.9	10.0	9.3	9.7	8.5	9.3	11.0	11.0	11.0	11.0	6.0	10.5
-132		7 39	10.1	8.0	6.5	8.5	9.3	7.7	8.2	9.0	8.2	10.0	11.1	11.1	11.1	11.1	5.6	8.9
-134		7 50	13.7	12.8	10.7	11.9	11.9	10.3	10.5	11.9	11.4	13.0	14.6	14.6	14.6	14.6	6.4	11.2
-136		13 4	17.2	15.6	14.0	15.2	15.1	14.3	15.0	16.5	17.3	17.3	17.3	17.3	17.3	17.3	8.1	13.2
-138		13 14	19.0	17.2	14.6	15.3	15.8	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	6.6	11.8
-140		13 24	19.1	17.4	14.6	14.8	15.4	13.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	7.8	13.1
-142		13 36	15.9	13.9	12.7	14.6	15.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	5.6	10.8
-144		13 49	16.4	15.3	14.1	15.1	15.8	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	5.7	11.2
AA-103-145	16 SEP 80	7 19	1.2	-2.2	-2.6	-1.0	1.8	.6	6.3	7.9	11.1	9.2	12.4	11.1	11.1	11.1	5.9	3.1
-147		7 34	12.6	7.9	1.5	.5	9.4	7.8	5.9	10.1	10.9	9.6	12.5	10.1	10.1	10.1	7.8	8.5
-149		7 47	11.7	7.2	2.0	-1.7	-1.3	2.9	2.7	2.7	4.8	3.9	5.8	3.8	3.8	3.8	6.9	5.1
-151		8 0	16.4	15.2	11.7	9.0	6.7	3.1	3.1	3.0	3.0	1.4	2.5	-.1	-.1	-.1	7.5	8.6
-153		8 12	21.3	19.5	16.5	13.8	12.1	9.6	11.0	10.8	10.4	8.7	8.7	8.7	8.7	8.7	8.8	14.5
-155		13 12	24.2	23.4	20.5	19.2	18.0	15.1	16.4	16.9	16.3	15.6	17.2	17.2	17.2	17.2	10.0	18.0
-156		13 21	29.4	29.8	28.6	27.5	27.2	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	10.2	20.9
-158		13 49	29.5	28.6	27.2	26.2	25.9	23.3	24.1	24.2	18.8	17.7	17.7	17.7	17.7	17.7	10.5	20.6
-159		13 51	25.4	23.9	23.9	23.3	22.2	19.1	19.9	19.8	18.0	17.7	17.7	17.7	17.7	17.7	10.3	19.5
-160		13 54	30.1	29.3	27.3	26.2	24.9	21.1	22.3	22.5	20.2	20.2	20.2	20.2	20.2	20.2	10.6	20.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON  $L/R + ABS$  NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE DIS

TEST NO.	DATE	START TIME (HR-MIN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-157	16 SEP 80	13 42	2.4	1.6	.2	.9	1.9	.8	3.3	6.4	12.1	24.6	28.4	13.8	10.2	7.3	31.3		
-161		14 8	2.0	1.5	-.4	.2	1.2	.5	3.6	6.3	12.2	24.0	26.0	12.7	9.5	7.6	24.2		
-162		14 11	2.0	1.2	-.5	-.1	.9	.5	3.2	5.7	12.2	24.8	27.6	11.6	6.8	3.3	29.1		
-163		14 13	2.1	1.1	-.4	.4	1.2	.9	3.3	6.0	11.8	24.6	28.3	11.6	7.1	5.5	35.3		
AA-108-146		7 28	1.5	1.4	1.2	.2	.7	.5	2.5	4.0	5.9	14.4	11.0	4.5	3.4	3.3	29.5		
-148		7 40	2.4	1.1	1.0	.1	1.1	.2	2.5	4.6	7.1	15.4	14.0	5.2	3.8	2.4	31.3		
-150		7 53	2.6	1.2	1.0	.5	1.1	.4	2.8	4.1	6.4	12.4	14.9	8.2	6.5	6.3	32.7		
-152		8 6	1.5	.5	.2	-.3	.0	.2	1.9	3.2	4.7	10.4	13.4	6.2	4.4	3.4	30.4		
-154		8 21	1.7	.8	.6	-.2	.0	-.1	2.0	3.2	4.9	10.2	13.9	6.3	5.2	5.1	30.4		
AA-103-164	17 SEP 80	7 5	7.5	8.2	7.6	9.0	10.0	9.6	11.4	12.8	14.8	17.9	22.1	26.6	34.6	34.6	29.9		
-165		7 12	7.3	8.1	7.6	8.9	10.1	9.7	11.3	12.5	14.4	17.4	21.7	26.6	34.9	34.3	38.0		
-166		7 20	7.0	8.0	7.4	8.7	9.8	9.8	11.4	12.8	15.0	18.3	22.3	27.2	34.8	35.5	31.3		
-170		7 44	6.9	8.1	7.6	9.0	9.4	10.1	10.9	12.0	13.7	16.8	20.9	24.6	30.9	33.7	34.8		
-171		7 47	5.7	6.7	6.0	7.4	8.0	8.7	9.9	11.1	13.1	15.5	19.5	22.6	28.2	29.2	32.2		
-175		13 12	3.5	4.3	3.1	3.2	3.9	3.7	5.2	6.3	10.5	16.2	24.0	24.2	21.5	17.1	29.5		
-176		13 22	3.0	3.8	2.4	2.9	3.7	3.3	4.7	6.1	9.5	15.8	24.5	21.4	17.7	13.3	30.4		
-177		13 24	2.8	3.7	3.1	3.9	4.3	3.5	4.9	6.5	9.5	14.7	23.1	23.4	22.1	18.6	33.5		
-178		13 28	5.8	6.2	5.2	6.1	6.8	6.2	7.7	9.2	12.1	17.0	25.8	27.7	25.9	22.5	35.7		
-179		13 34	5.6	6.3	5.6	6.4	6.9	6.8	8.2	9.8	12.6	17.5	26.7	28.4	27.2	23.5	29.9		
AA-104-167		7 27	1.3	.6	-1.0	-.5	-.2	-1.7	-.8	.7	5.5	14.7	24.0	17.6	12.4	3.5	35.4		
-168		7 30	1.8	.4	-1.1	-.7	-.5	-2.7	-.8	1.1	6.7	15.7	24.5	16.4	12.1	3.9	32.3		
-169		7 33	2.1	.9	-.9	-.7	-.7	-2.9	-.8	1.3	6.7	15.0	23.5	15.0	9.2	.7	30.9		
-172		8 4	2.0	-1.3	-1.8	-2.2	-2.4	-3.3	-2.4	-.3	6.0	15.4	23.7	13.2	3.3	-3.0	33.1		
-173		8 23	1.4	-.4	-1.5	-2.0	-2.7	-3.6	-2.6	.5	7.7	15.7	23.4	11.2	.9	-3.5	39.4		
-174		8 27	2.2	-.6	-1.4	-1.7	-2.6	-3.3	-2.2	.5	7.3	16.2	25.1	15.0	4.4	-1.9	32.7		
-180		13 51	3.1	1.5	.7	1.3	2.3	1.1	1.2	2.1	5.1	9.6	13.9	16.1	16.3	13.6	34.0		
-181		14 2	3.0	2.3	1.2	2.2	2.6	1.6	2.0	3.0	5.9	10.5	16.0	18.7	19.0	16.0	30.4		
-182		14 4	2.6	1.7	.6	1.5	2.0	.9	1.2	2.3	5.4	10.5	16.7	19.1	19.3	16.3	32.2		
-183		14 6	2.6	2.1	1.1	1.7	2.3	1.1	1.4	2.6	5.6	10.4	16.2	18.9	19.7	16.3	30.0		
-185		14 8	2.8	2.0	1.0	2.0	2.3	1.2	1.4	2.3	5.3	10.3	16.2	19.5	20.0	16.2	30.9		
-186		14 13	2.7	1.7	.5	1.6	1.7	1.0	.9	2.2	5.2	10.1	15.8	18.5	18.7	15.8	31.3		
-187		14 14	2.7	1.5	.4	1.3	1.7	.7	1.3	2.5	5.2	9.6	14.2	16.5	18.3	15.6	34.5		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE E15

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	MR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-157	16 SEP 80	13 42	(	3.6	.7	-1.4	1.6	3.7	4.1	4.9	6.8	4.7	5.0	7.5	2.8		6.2	4.0
-161		14 8	(	4.3	1.8	1.6	2.9	2.5	4.1	3.3	5.0		4.3	6.2	3.5		6.3	4.9
-162		14 11	(	.2	-1.6	-9	3.3	2.5	1.3	3.1	4.9	4.4					5.5	3.2
-163		14 13	(	2.5	.7	-6	2.2	4.5	3.2	4.1	4.7	3.3	2.3		-1.4		6.0	4.0
AA-108-146		7 28	(	3.0	1.1	-1.0	-1.0	2.0	4.6	.6	2.2	2.4	2.4	1.5	.9		2.6	1.2
-148		7 40	(	.7	-1.2	-3.5	-2.2	3.2	3.5	-1.0	.9	1.6	.6	-1.0	-1.3	-2.3	2.9	.4
-150		7 53	(	5.1	3.8	2.0	1.3	.2	.0	.5	3.9	4.5	3.9	2.4	2.3	1.5	3.1	1.8
-152		8 6	(	2.4	1.2	-4	-3	-7	-1.4	-3.4	-2.9	-2.2	-2.6	-3.1	-3.7	-4.7	1.6	-8
-154		8 21	(	5.4	4.3	3.2	3.3	2.1	1.0	-1.6	-1.6	-8	-1.1	-1.3	.3	-6	2.4	1.4
AA-103-164	17 SEP 80	7 5	(	33.6	31.6	29.9	28.9	28.1	25.0	25.3	25.8	24.0	24.0	23.9			16.3	25.0
-165		7 12	(	33.0	31.1	29.3	27.7	27.0	24.0	24.1	24.4	25.4	23.9				16.2	24.5
-166		7 20	(	34.1	32.3	30.9	30.1	29.1	26.1	26.4	27.6						16.4	25.4
-170		7 44	(	32.9	31.6	31.1	30.4	30.3	27.6	28.2	28.9						15.6	24.1
-171		7 47	(	29.1	29.2	28.6	27.9	27.8	25.2	25.3	25.9	25.1	23.7				14.1	22.4
-175		13 12	(	12.1	7.5	4.4	4.2	6.9	6.2	7.0	9.7	9.9	8.4	11.0			9.2	9.4
-176		13 22	(	8.5	4.3	1.6	2.5	4.1	3.0	4.8	6.9	7.6	5.7	8.4	2.9		7.9	6.4
-177		13 24	(	15.3	11.8	9.1	8.2	8.2	7.2	8.8	11.3	10.2	10.2				9.6	11.8
-178		13 28	(	18.6	14.7	10.9	8.0	8.1	8.2	9.6	12.4	12.5	10.0	12.2			11.9	12.8
-179		13 34	(	20.0	15.8	12.7	10.8	11.4	11.1	12.7	15.0	15.0	14.6	16.8			12.6	15.1
AA-104-167		7 27	(	-3.0	-3.7	-3.7	1.0	-4	-2	2.3	3.9	1.6	-1.5				3.4	2.0
-168		7 30	(	-1.4	-1.2	1.1	2.8	1.9	5.0	5.9	6.3						4.0	5.0
-169		7 33	(	-2.2	-2.9	1.0	1.5	.2	3.0	3.0	3.5	1.7					3.9	3.7
-172		8 4	(	-7.0	-7.0	-4.8	-2.8	-3.2	-4	.2	2.0		.1	1.3			.9	-1.2
-173		8 23	(	-3.5	-1.2	-1.7	.4	1.3									2.2	3.0
-174		8 27	(	-4.5	-3.7	-2.8	-4	-1.7	1.6	2.5	4.1	1.7	3.5	4.0	.1		1.9	.6
-180		13 51	(	11.4	9.5	7.5	8.9	9.7	7.6	8.5	9.5	10.1					5.1	8.7
-181		14 2	(	13.2	12.8	12.4	13.5	13.6	10.9	11.5	12.6	11.8	12.0				6.0	11.3
-182		14 4	(	12.9	11.2	10.0	11.0	11.3	9.3	10.1	10.9	11.1					5.4	10.4
-183		14 6	(	12.5	11.5	9.7	10.6	10.7	8.2	8.4	9.0	8.7	7.9	10.2			5.5	9.6
-185		14 8	(	12.7	11.2	9.7	9.7	9.0	7.0	7.8	8.9	9.4	8.8				5.4	9.0
-186		14 13	(	13.1	11.6	10.1	11.0	10.9	8.5	9.0	10.0						5.1	9.3
-187		14 14	(	13.5	12.7	10.9	12.0	12.6	10.7								5.2	9.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-103-081  
 DATABASE:  
 DISTANCE 230 M  
 DATE 02 FEB 87  
 PAGE D16

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
		START TIME (MR-MN)	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
AA-103-188	19 SEP 80	7 1	-7	-4	-1.1	-1.1	.4	.0	1.4	3.3	7.0	13.6	25.6	27.2	23.5	19.0	31.3		
-189		7 3	-2	.2	-6	.4	.5	.4	1.4	2.9	6.6	13.7	26.2	27.0	24.4	22.3	32.6		
-192		7 21	-4	.1	-7	.1	.2	.0	.9	2.4	5.0	12.4	24.6	24.0	19.6	14.9	30.9		
-193		7 23	-5	-3	-1.1	-1.1	.1	.2	1.0	2.4	5.7	12.2	24.9	24.1	19.0	14.7	30.4		
-194		7 25	-1.0	-8	-1.9	-1.4	-1.4	-1.5	-1.0	.6	5.2	15.0	23.9	14.9	10.8	5.4	30.9		
-205		8 2	-1.6	-7	-1.9	-9	-9	-8	.2	1.6	4.9	11.9	25.2	23.0	20.7	17.1	29.1		
-206		8 14	-1.0	-3	.7	.5	.4	.7	1.4	2.6	5.6	11.3	22.7	25.4	21.3	16.8	32.2		
-207		12 53	-9	-8	-1.6	-5	-2	-2	2.3	4.2	6.9	11.5	15.0	19.6	19.1	30.9	32.2		
-208		12 55	-1.0	-9	-1.8	-6	.0	.2	1.6	2.6	4.4	7.1	11.8	16.2	20.3	19.6	31.3		
-209		12 57	-7	-7	-1.4	-3	-1	.0	1.3	2.6	4.6	6.9	11.1	14.2	19.3	20.5	31.3		
-210		12 59	-1.4	-1.2	-2.0	-4	.1	.4	1.8	3.2	5.1	8.0	12.5	16.0	22.4	21.7	30.9		
AA-104-190		7 12	7.0	5.7	5.0	5.2	5.7	4.4	5.3	7.2	11.2	18.3	30.5	27.4	23.5	18.4	29.1		
-191		7 14	7.0	5.7	4.6	4.9	5.4	4.1	4.9	6.9	10.9	18.2	30.2	26.1	22.1	17.4	31.3		
-195		7 33	6.1	4.7	3.8	3.7	4.3	3.5	4.2	6.8	12.5	22.1	30.9	22.4	15.3	8.9	29.5		
-196		7 39	6.4	4.5	3.7	3.5	4.1	3.4	4.0	6.4	11.6	20.7	31.1	25.6	18.3	11.1	29.1		
-197		7 42	5.6	4.6	4.0	3.9	4.2	3.7	4.1	6.6	11.6	20.2	31.2	24.9	19.1	15.1	30.0		
-198		7 44	5.6	4.5	3.8	3.9	4.1	3.7	4.3	6.5	11.5	19.9	31.5	26.4	18.4	11.1	29.1		
-199		7 46	5.9	4.2	3.4	3.6	4.1	3.4	4.1	6.4	11.2	18.9	31.0	25.7	19.8	14.5	29.5		
-211		13 16	5.2	4.4	3.5	4.0	5.2	3.8	4.6	5.7	8.3	12.9	16.2	16.5	17.5	17.2	31.8		
-212		13 21	5.7	4.8	3.8	4.5	5.5	3.9	4.7	5.9	8.5	12.9	17.3	18.6	20.5	20.3	31.3		
-213		13 35	6.2	4.8	4.1	4.8	5.8	4.2	4.7	5.8	8.1	12.0	16.4	18.3	20.2	20.3	31.3		
AA-103-214	23 SEP 80	7 8	.1	-1	-1.8	-1.4	-1.0	-8	1.7	3.4	6.4	12.4	23.3	21.5	19.8	16.8	31.3		
-215		7 10	-2	-3	-2.3	-1.5	-7	-7	1.2	2.9	6.0	12.1	23.7	22.0	18.6	15.0	30.4		
-216		7 12	-2.4	-7	-1.9	-9	-7	-4	1.3	3.1	6.6	13.1	24.2	22.0	17.9	13.6	29.1		
-220		7 33	-2.2	-8	-1.9	-8	.0	.3	2.4	4.3	7.3	12.7	24.3	25.4	22.1	18.4	27.5		
-221		7 35	-1.2	-1.3	-2.3	-1.6	-6	.0	2.5	3.8	7.0	12.4	23.6	22.7	20.3	16.6	28.6		
AA-104-217		7 21	2.6	1.8	1.8	2.7	2.5	2.2	3.3	5.2	9.2	16.4	25.5	21.9	19.4	14.8	30.4		
-218		7 23	3.6	2.8	1.3	2.2	2.3	1.8	2.7	4.7	8.9	16.4	26.1	21.9	19.2	15.4	29.5		
-219		7 24	4.0	3.1	1.3	2.5	2.3	2.1	2.9	4.8	9.0	16.3	25.5	21.9	19.1	14.6	30.4		
-222		7 41	4.0	2.5	.9	1.9	2.6	1.4	2.3	4.3	8.5	15.5	25.1	21.1	17.5	13.8	29.1		
-223		7 43	3.3	2.4	1.1	1.8	2.4	1.5	2.2	4.4	8.4	15.4	24.3	20.7	18.8	15.2	30.4		
-224		7 46	3.4	2.5	1.2	1.8	2.5	1.4	2.4	4.5	8.6	15.6	24.7	21.7	18.2	14.5	29.5		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE: DISTANCE 238 M  
 ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E16

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DPA)
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-103-188	19 SEP 80	7 1	13.6	8.3	3.4	.3	2.9	2.7	5.0	6.0	4.7	4.4	6.2	6.8						
-189		7 3	16.7	12.5	7.6	3.5	3.9	6.7	5.9	10.2	9.9	8.7	6.6	9.6						
-192		7 21	9.5	5.1	.2	-3.7	-4.0	-2.7	1.6	1.5	1.5	-2	4.7	2.6						
-193		7 23	10.1	5.7	.7	-3.5	-3.9	-1.1	1.6	2.9	3.0	2.0	4.9	3.4						
-194		7 25	.3	-3.6	-5.9	-3.6	-2.9	-4.2	.1	.0	.5	-2	2.3	-1						
-205		8 2	12.0	8.0	2.6	-2.1	-2.8	-.7	4.0	3.4	7.5	7.3	4.6	4.9						
-206		8 14	10.9	6.8	1.9	-2.7	-4.3	-4.4	.5	3.8	3.7	1.7	5.3	3.6						
-207		12 53	15.8	14.1	12.1	10.9	9.8	7.7	9.6	10.3	11.5	11.0	5.2	11.0						
-208		12 55	17.8	17.2	15.6	16.0	15.5	13.1	13.9	14.4	15.8	15.0	5.8	13.2						
-209		12 57	19.5	18.6	16.9	14.6	13.6	10.8	11.7	12.4	14.1	13.7	5.5	12.5						
-210		12 59	19.9	19.7	17.6	16.1	15.5	12.6	14.0	14.8	16.0	15.1	6.1	13.7						
AA-104-190		7 12	15.5	13.4	11.6	11.3	7.9	3.6	2.7	6.7	9.0	7.0	9.4	9.4						
-191		7 14	14.6	12.4	10.3	9.7	6.9	2.6	1.5	5.3	8.4	5.7	9.0	8.5						
-195		7 33	3.6	.6	.4	3.0	2.7	1.8	5.7	8.1	9.4	7.6	7.9	4.9						
-196		7 39	5.7	1.6	-.3	1.1	2.8	.4	6.0	8.9	10.9	7.3	7.7	4.7						
-197		7 42	12.0	8.3	5.0	4.4	7.6	9.0	4.8	10.6	8.4	10.7	8.7	8.6						
-198		7 44	6.8	3.6	1.1	.0	.1	1.8	1.6	4.6	6.0	2.1	7.3	3.6						
-199		7 46	10.1	7.2	4.9	2.5	.5	.4	6.1	5.3	5.5	6.0	8.0	5.6						
-211		13 16	17.2	16.4	14.8	16.7	17.0	15.0	15.6	17.2			8.1	13.3						
-212		13 21	18.9	16.7	15.3	17.0	17.3	15.0					8.4	13.5						
-213		13 35	19.2	17.7	17.2	18.4	18.0	15.6					8.2	13.2						
AA-103-214	23 SEP 80	7 8	11.9	8.9	7.3	5.0	5.6	2.8	5.3	8.8	9.6	11.2	5.8	8.8						
-215		7 10	11.2	9.1	5.7	1.9	2.4	1.1	4.8	6.7	8.6	9.2	5.4	7.1						
-216		7 12	11.0	9.2	6.4	2.0	2.2	.7	3.2	4.1	2.3	3.1	5.6	6.2						
-220		7 33	14.7	13.2	11.5	7.0	6.8	3.5	6.1	7.6	5.6	6.1	6.7	9.8						
-221		7 35	12.8	10.7	9.2	4.9	5.4	2.5	5.4	6.2	6.2	5.8	6.2	8.5						
AA-104-217		7 21	12.3	9.4	7.2	7.3	5.8	2.2	.3	.3	.6	-2.5	6.5	4.7						
-218		7 23	13.5	12.2	10.0	9.6	7.4	3.6	1.9	2.1	2.9	.8	6.5	6.7						
-219		7 24	12.6	10.3	8.0	8.2	6.0	4.3	3.7	4.2	4.1	1.1	6.7	7.5						
-222		7 41	11.8	9.2	7.4	8.0	7.0	2.6	1.2	1.1	1.5	-1.8	5.8	5.4						
-223		7 43	13.5	11.3	9.6	9.8	7.8	4.7	3.2	3.0	3.6	-.4	6.1	7.2						
-224		7 46	13.1	10.6	9.2	10.1	8.8	5.7	4.7	4.6	4.8	1.0	6.3	8.3						

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 230 M  
 DATE 02 FEB 87  
 PAGE D17

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-103-235	24 SEP 80	6 59	-1.4	.3	-6	.7	.7	1.1	2.6	5.5	11.6	22.4	28.1	19.5	15.6	9.7	30.4			
-236		7 1	-1.0	.4	-4	.8	.9	1.2	2.8	5.7	11.6	22.4	30.8	21.8	16.6	10.3	30.5			
-237		7 3	-1.2	.8	-1	1.5	1.7	1.7	3.5	6.3	12.0	21.7	31.1	24.4	20.4	15.4	33.6			
-238		7 4	-1.1	.7	-3	.8	1.0	1.2	3.2	6.3	11.9	21.2	30.7	24.0	20.5	15.3	31.4			
-243		7 24	.3	.7	-5	.9	1.3	1.5	3.5	6.3	11.8	21.8	30.9	23.8	19.1	14.3	31.3			
-244		7 25	.7	1.3	.6	1.9	2.0	2.3	4.4	7.1	12.3	21.5	31.8	25.8	22.5	17.6	31.3			
-245		7 27	.3	1.1	.4	1.6	1.6	1.7	3.3	5.9	11.2	21.4	30.7	22.8	19.6	15.4	31.3			
-246		7 29	.1	1.0	.2	1.6	1.9	2.1	3.9	6.2	11.2	20.6	30.0	23.3	21.3	16.9	31.3			
-247		7 31	.1	.8	.0	1.3	1.4	1.6	3.4	5.9	11.2	20.7	31.9	23.8	19.8	15.2	32.2			
-248		7 32	-.2	.5	-.4	1.0	1.3	1.7	3.7	6.2	11.5	20.6	31.0	24.2	20.9	16.0	31.8			
-257		15 0	-.5	.7	-.3	1.1	1.6	1.7	3.3	4.9	8.0	13.6	23.2	24.8	23.1	19.8	31.3			
-258		15 1	-.2	.8	-.1	1.4	1.8	1.5	3.7	5.1	8.2	13.6	23.4	26.1	26.4	23.0	31.3			
-259		15 3	-.5	.5	-.4	1.0	1.4	1.2	3.4	4.6	7.3	13.3	21.7	23.8	24.0	20.5	31.8			
-260		15 4	.0	.8	-.1	1.4	1.9	1.5	3.7	5.2	8.1	13.4	22.5	24.9	25.6	22.7	31.8			
-261		15 6	.0	.9	.1	1.5	2.2	1.9	3.8	5.3	8.0	12.9	19.8	23.3	25.8	23.5	31.3			
AA-104-239		7 12	5.3	6.5	5.3	7.3	8.3	7.9	9.4	11.3	13.7	12.6	9.5	10.4	11.8	11.5	30.9			
-240		7 13	4.9	3.6	2.1	2.7	3.1	2.3	3.6	5.9	10.2	17.8	26.9	22.7	19.4	17.6	31.4			
-241		7 15	4.7	3.5	1.8	2.7	2.8	2.2	3.6	5.8	10.1	18.2	27.7	21.2	19.1	16.6	30.5			
-242		7 16	4.8	3.7	2.2	2.6	2.9	2.3	3.7	5.9	10.3	18.2	27.9	22.4	19.3	16.2	31.4			
-249		7 39	4.7	3.5	1.9	2.7	3.0	2.3	3.7	6.0	10.4	18.2	27.2	21.2	18.4	17.3	30.5			
-250		7 40	4.2	3.3	1.7	2.6	2.9	2.0	3.4	5.7	10.2	18.3	27.1	21.6	18.6	15.9	32.7			
-251		7 42	4.3	3.3	1.8	2.5	2.7	2.1	3.3	5.7	10.2	17.9	26.8	22.0	19.0	16.6	32.3			
-252		7 43	4.3	3.5	1.8	2.5	2.8	2.1	3.5	5.7	10.1	18.2	27.1	21.9	18.4	16.4	32.7			
-253		7 45	4.2	3.5	1.9	2.7	2.9	2.2	3.4	5.7	10.2	18.2	27.7	20.9	16.8	14.3	30.9			
-254		7 46	4.3	3.5	2.0	2.7	3.0	2.2	3.4	5.8	10.3	18.1	27.4	21.6	18.5	15.8	32.7			
-255		7 48	4.0	2.8	1.5	2.2	2.5	1.7	3.0	5.3	9.9	17.7	27.1	21.4	18.2	15.6	45.2			
-256		7 49	3.9	2.8	1.5	2.2	2.4	1.6	3.0	5.2	9.9	17.6	26.7	20.9	17.3	13.7	35.4			
-262		15 17	3.5	2.9	1.4	2.4	2.0	2.2	2.7	3.9	7.9	13.0	17.1	15.8	17.3	16.1	32.7			
-263		15 18	2.6	2.3	.8	1.6	1.6	2.2	3.9	8.3	10.9	22.4	18.0	15.2	13.2	13.2	32.2			
-264		15 24	4.0	3.2	1.8	1.9	1.3	1.4	.8	1.8	5.0	10.2	15.2	12.9	13.0	11.9	22.3			
-265		15 26	2.3	2.0	.6	1.3	.8	1.5	1.8	3.4	7.8	13.9	19.3	17.2	13.0	11.6	32.2			
-266		15 28	2.7	1.9	.3	1.2	.3	.7	1.1	3.3	8.9	16.0	22.7	15.9	11.8	8.7	33.6			
AA-103-267	25 SEP 80	7 10	-1.1	-1.1	-2.1	-1.3	-1.0	-.7	1.6	4.7	9.3	18.1	27.1	20.0	16.5	12.3	31.3			
-268		7 14	-.8	-.8	-1.6	-.6	-.8	-.6	1.3	4.0	9.3	18.8	28.9	21.8	18.6	13.6	31.3			
-269		7 17	-.8	-.3	-1.0	-.1	-.2	.1	1.6	4.0	8.8	17.6	30.3	23.5	20.2	16.1	34.0			
-270		7 19	-.7	-.7	-2.0	.1	.2	.3	2.3	4.7	8.9	17.5	27.8	23.0	21.0	17.3	31.8			
-271		7 22	-.9	-.1	-.8	.4	.6	.6	2.5	4.6	8.3	15.9	27.5	23.8	21.7	19.0	31.7			
-277		7 50	-.9	-.2	-.9	-.1	.2	.1	2.2	4.2	8.4	16.8	28.1	22.8	20.9	17.0	21.5			
-278		7 51	-.1	-.2	-.6	.2	.6	.6	2.6	4.5	8.6	17.0	28.9	23.1	19.9	16.2	30.9			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATABASE:  
 DISTANCE 238 M

ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE E17

TEST NO.	DATE	START TIME (	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)
			MR-NN (	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300		
AA-103-235	24 SEP 80	6 59 (	5.0	1.2	-2.5	-2.5	2.2	-1.8	2.3	2.9	2.4	2.7	4.8	-1.5	5.9	3.0
-236		7 1 (	6.1	2.8	-1.5	2.9	-1.1	3.5	4.3	3.4	3.4	4.9	-2.1	6.7	4.5	
-237		7 3 (	11.8	7.8	1.2	5.7	2.8	5.0	7.1	6.2	6.1	7.1		8.1	7.8	
-238		7 4 (	11.7	8.3	2.2	6.7	3.9	4.4	8.1	5.1	6.8	6.8		7.9	8.0	
-243		7 24 (	10.0	6.5	2.2	-1.1	3.6	4.2	3.4	6.5	3.1	4.2		7.5	6.1	
-244		7 26 (	14.6	11.5	6.7	4.4	8.3	6.3	6.8	10.6	8.1	8.9	9.9		9.0	10.2
-245		7 27 (	11.0	7.2	2.8	.7	4.9	4.4	3.4	6.9	5.8	4.9	6.4	-1.9	7.6	6.7
-246		7 29 (	12.6	9.0	3.9	.2	1.9	4.9	3.9	7.7	7.1	6.5	8.1		8.1	7.5
-247		7 31 (	10.8	8.0	4.1	1.9	5.2	4.8	4.1	8.7	8.1	6.7	7.4		7.9	8.1
-248		7 32 (	11.8	9.2	4.8	1.7	4.1	5.0	3.9	8.5	7.7	6.5	8.1		8.0	8.2
-257		15 0 (	18.0	17.8	15.2	13.2	12.0	9.9	11.1	12.4					8.1	14.5
-258		15 1 (	20.7	19.4	15.9	13.3	11.1	7.2	7.9	8.7	8.1				8.4	13.5
-259		15 3 (	18.2	17.7	15.1	12.7	11.5	8.8	9.6	10.5	10.1				7.9	13.9
-260		15 4 (	19.7	18.4	15.5	13.4	11.5	8.4	8.7	8.9	8.4	7.9			8.5	13.5
-261		15 6 (	21.6	21.0	18.5	17.6	16.5	12.4	13.1	13.7	13.5	12.9			8.7	16.0
AA-104-239		7 12 (	12.1	11.7	11.1	12.8	12.6	10.6	10.1	9.9	11.4	9.0	8.8		10.9	11.4
-240		7 13 (	16.3	15.4	13.5	13.7	12.7	9.8	8.3	7.8	8.0	5.9	6.5		7.4	11.4
-241		7 15 (	14.9	13.2	11.5	12.5	10.9	7.5	6.1	5.7	6.1	3.7	5.9	-2.2	7.3	9.9
-242		7 16 (	15.3	13.1	11.1	11.6	10.2	7.2	5.6	6.1	6.4	4.9	6.2	-1.5	7.4	9.7
-249		7 39 (	16.4	14.0	12.6	13.3	11.4	7.9	6.0	6.1	6.4	4.9	6.7		7.3	10.4
-250		7 40 (	14.5	13.1	11.6	12.3	10.4	7.6	6.7	7.2	7.3	5.7	8.3		7.2	10.4
-251		7 42 (	15.1	13.5	12.4	12.9	11.1	8.4	7.3	7.6	8.0	5.5	7.9		7.1	10.8
-252		7 43 (	14.5	12.2	10.3	9.9	7.5	3.8	2.5	3.4	4.1	1.7	3.3	-1.9	6.9	7.8
-253		7 45 (	12.7	10.3	8.3	9.1	7.5	4.9	4.2	4.2	3.1	5.1			7.1	8.4
-254		7 46 (	13.8	11.5	9.5	9.9	8.3	5.1	3.7	4.3	4.9	2.8	4.7	-1.0	7.1	8.5
-255		7 48 (	13.7	11.4	9.5	9.9	8.0	4.5	2.9	3.4	4.3	1.3	3.5	-1.9	6.7	7.9
-256		7 49 (	12.0	9.9	8.3	8.9	7.1	3.9	2.6	2.7	3.4	.7	2.2	-2.8	6.6	7.2
-262		15 17 (	15.7	14.8	13.1	13.5	11.9	9.6	9.8	9.8					6.2	11.4
-263		15 18 (	11.3	8.6	6.7	6.8	6.1	3.5	2.2	3.6					5.8	7.6
-264		15 24 (	10.9	10.5	8.6	7.6	6.2	3.3	2.4	2.8	3.7	1.8	3.8		3.8	6.4
-265		15 26 (	11.4	10.6	9.0	9.7	10.7	9.7	10.1	11.8					5.6	10.5
-266		15 28 (	6.5	4.6	1.8	.9	-1.1	-2.4	-2.4	.0	.5	-2.7	-1.3	-6.3	4.8	2.7
AA-103-267	25 SEP 80	7 10 (	8.0	4.1	-1.7	-4.0	-2.6	.1	.3	4.3	5.6	3.5	5.6	1.6	5.3	3.2
-268		7 14 (	7.9	3.1	-1.3	-4.1	-2.1	-1.7	-1.8	4.4	5.6	3.4	5.0	2.1	4.9	2.5
-269		7 17 (	10.8	6.0	1.1	-3.1	-3.8	-2.6	.3	1.1	6.5	5.4	5.3	3.4	5.4	3.4
-270		7 19 (	12.9	9.2	4.7	.6	-2.0	-4.9	-1.9	3.6	4.2	1.7	.3	-1.9	5.9	3.8
-271		7 22 (	15.0	13.4	11.2	8.4	6.9	3.9	3.8	3.2	3.1	.4	.9	-2.4	6.9	7.8
-277		7 50 (	13.3	9.9	5.3	1.1	-1.9	-3.5	-1.7	2.0	4.6	2.0	1.4	-1.3	6.0	4.6
-278		7 51 (	12.4	9.1	4.9	.5	-1.9	-4.5	-2.7	1.4	5.1	4.2	2.1	-1.7	6.1	4.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-081

DATABASE:  
 DISTANCE 238 M

DATE 02 FEB 87  
 PAGE D18

PARAMETERS:  
 ALL DATA LISTED

TEST NO.	DATE	START TIME (HR-MIN)	1/3 OCTAVE BAND FREQUENCY (HZ)															SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-104-272	25 SEP 80	7 30	-2.9	1.9	.3	.9	.9	.7	1.8	4.5	9.5	17.8	26.8	17.3	13.3	9.1	35.3	
-273		7 32	2.8	1.8	.3	1.1	1.1	.9	2.0	4.5	9.4	17.3	25.9	16.8	12.9	9.8	31.7	
-274		7 34	2.9	1.8	.3	1.0	.9	.7	1.8	4.3	9.3	17.1	24.9	15.7	12.4	9.9	32.2	
-275		7 36	2.9	2.0	.5	1.2	1.1	1.1	2.3	4.7	9.7	17.7	26.4	18.3	14.3	10.3	36.6	
-276		7 38	3.2	2.1	.6	1.5	1.8	1.7	2.7	5.4	10.5	18.4	28.3	21.6	17.0	13.7	30.4	
-279		8 0	2.8	1.8	.5	1.0	1.2	1.0	2.1	4.6	9.2	16.2	24.3	19.3	16.6	13.7	32.6	
-280		8 2	2.8	1.8	.4	1.1	1.4	1.0	2.0	4.3	9.0	16.1	24.1	18.6	15.4	12.0	40.7	
AA-103-281	30 SEP 80	14 15	-1.8	.7	-1.1	1.8	2.2	2.2	4.2	6.0	9.4	14.2	20.3	20.8	21.4	21.0	31.8	
-282		14 17	-1.9	.6	-1.3	1.5	2.0	2.1	3.8	5.5	8.9	14.0	20.2	22.0	23.2	23.5	31.3	
-283		14 19	-1.7	.6	.0	2.3	2.9	3.3	5.0	6.8	10.1	14.6	20.5	23.3	26.4	27.9	31.3	
-284		14 21	-1.8	.5	-2.2	1.6	1.7	2.0	4.0	5.7	9.2	14.0	20.2	23.0	24.6	23.5	32.2	
-285		14 22	-1.5	.8	.3	2.2	2.7	3.4	4.9	6.9	10.1	14.4	20.1	24.0	25.4	26.2	31.8	
-291		14 44	-1.2	.8	.3	2.2	3.0	2.9	5.0	7.0	10.5	15.0	21.4	24.6	26.3	26.1	32.7	
-292		14 47	-1.5	.8	-2.2	2.1	3.0	2.9	4.4	6.3	9.6	13.9	18.8	21.7	24.0	24.5	32.7	
-293		14 48	-1.0	.2	-1.7	1.1	1.7	1.5	3.4	5.3	8.7	13.0	18.7	20.2	21.3	22.9	34.5	
-294		14 50	-1.5	-2.2	-1.9	.5	.8	.9	2.7	4.6	8.3	14.0	20.8	21.7	21.3	20.2	31.3	
-295		14 53	-1.0	-.2	-1.5	1.2	1.8	1.8	3.7	5.5	8.8	13.6	19.9	21.9	23.1	23.5	34.0	
AA-104-286		14 30	2.8	2.2	.8	1.6	2.5	1.5	3.8	4.9	8.3	13.0	18.1	16.8	12.9	11.0	31.3	
-287		14 31	1.9	1.1	-1.1	.6	1.7	.9	2.6	4.2	8.2	16.1	21.0	13.7	8.9	7.5	31.7	
-288		14 33	2.4	1.4	.6	1.2	2.4	1.7	3.9	5.6	9.3	17.1	21.8	14.1	10.5	9.5	34.4	
-289		14 34	2.8	1.6	.6	1.4	2.4	1.8	3.8	5.4	8.8	14.9	19.8	14.4	9.7	10.4	30.4	
-290		14 37	3.2	2.7	1.6	2.5	3.9	3.2	5.1	6.5	9.6	16.6	22.3	16.9	12.4	12.1	32.6	
-296		15 13	2.4	1.9	.5	.9	2.3	1.0	2.8	4.5	8.6	15.2	19.3	13.1	8.8	8.3	31.3	
-297		15 25	2.7	1.9	.7	1.4	2.9	2.0	4.0	5.9	10.4	20.1	24.8	13.8	7.9	7.1	31.3	
AA-103-299	01 OCT 80	7 0	-2.2	-.5	-1.9	-.7	.4	.4	4.1	8.2	16.4	29.1	28.3	20.6	15.8	9.6	31.3	
-300		7 2	-2.3	-.7	-2.0	-.8	.3	.3	4.1	8.3	16.6	28.8	26.0	17.2	13.3	8.8	32.2	
-301		7 3	-2.3	-.7	-1.8	-.7	.3	.2	3.9	8.5	16.5	29.4	28.4	19.7	14.7	8.5	31.8	
-302		7 5	-2.0	-.6	-1.9	-.8	.2	.0	3.6	8.1	16.1	29.2	28.4	19.8	14.7	7.9	30.9	
-303		7 7	-1.6	-.9	-2.0	-.9	.1	-.1	3.7	8.0	16.1	28.0	25.0	17.0	13.0	7.4	21.9	
-309		7 32	-1.5	.0	-1.1	.4	.3	1.4	3.9	7.5	15.4	28.8	30.5	21.0	17.1	13.2	35.0	
-310		7 33	-1.8	.1	-.9	.5	.6	1.5	4.2	7.5	15.3	29.1	30.4	22.3	17.1	13.6	32.7	
-311		7 35	-1.1	.3	-.9	.7	.8	1.6	4.2	7.1	14.7	29.1	30.6	22.2	18.5	14.9	32.2	
-312		7 36	-1.6	.2	-.8	.7	.9	1.6	4.2	7.1	14.5	28.8	29.8	21.0	16.6	13.1	32.7	
-313		7 38	-1.6	.2	-.9	.7	.7	1.8	4.2	7.2	14.6	28.8	30.7	21.1	16.6	12.4	32.3	
-319		7 59	-1.4	.5	-.5	.9	1.1	1.6	3.9	6.5	12.4	24.2	27.3	20.7	17.4	13.0	35.4	
-320		8 0	-1.2	.5	-.6	1.0	1.2	1.6	4.0	6.4	12.3	23.8	26.8	19.6	17.2	13.4	32.7	
-321		8 1	-1.2	.5	-.5	.8	1.1	1.7	4.0	6.5	12.3	23.6	27.1	19.9	17.6	13.7	31.8	
-322		8 3	-.9	-.2	-.9	1.1	1.2	1.9	4.0	6.5	11.9	22.7	27.2	21.8	19.4	15.8	32.7	
-323		8 8	-1.6	1.3	-.2	1.6	2.0	2.4	4.8	7.1	12.4	22.9	28.0	23.5	21.4	17.5	32.3	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 238 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E18

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)													OASPL (DB)	AL (DBA)
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000		
AA-104-272	25 SEP 80	7 30	7.0	4.5	1.6	.2	-1.9	-5.2	-5.7	-3.2	-1.0	-3.1	-2.2	-7.2	-8.1	4.4	-5
-273		7 32	8.6	6.9	5.2	4.5	2.7	-1.6	-1.5	-1.1	.8	-3.3	-1.9	-6.3	-7.6	5.2	3.6
-274		7 34	9.4	7.4	6.0	3.8	.2	-1.6	.6	1.6	1.6	-2.6	-1.5	-5.7	-7.3	5.4	4.5
-275		7 36	8.5	6.7	4.8	3.9	1.8	-2.0	-3.5	-2.3	-1.4	-4.2				5.1	2.0
-276		7 38	11.4	9.6	6.9	4.9	2.0	-2.2	-3.7	-1.3	1.0	-1.3	2.7	-2.7	-4.4	6.0	3.3
-279		8 0	12.1	10.8	9.7	10.5	10.0	8.0	8.1	8.3	7.9	7.3				6.2	9.9
-280		8 2	10.8	9.7	8.8	9.3	8.8	6.5	6.2	6.5	7.5	5.1				6.0	8.7
AA-103-281	30 SEP 80	14 15	19.6	17.3	14.7	13.8	12.9	12.1	12.1	12.6	11.8	11.9				9.4	14.8
-282		14 17	21.6	20.3	17.6	16.8	15.4	12.3	12.9	13.6	12.6	13.0				9.1	16.0
-283		14 19	26.5	24.9	22.9	22.7	21.2	18.2								10.4	19.4
-284		14 21	22.7	20.6	18.1	17.5	16.2	13.2	14.2	14.7	14.7	14.4				9.5	17.0
-285		14 22	25.1	22.8	20.6	19.7	18.7	16.5	17.7	18.2	17.9	16.5				10.4	18.3
-291		14 44	24.6	22.2	19.5	18.8	17.6	14.8	16.0	16.8						9.7	18.4
-292		14 47	24.3	22.2	20.2	19.8	19.1	16.0	17.2							8.7	16.0
-293		14 48	21.7	19.3	17.5	16.7	15.6	13.1	14.4	15.2	14.5	14.5	12.8			8.4	14.1
-294		14 50	18.8	16.8	14.5	13.3	12.3	9.5	10.6	10.6	10.4					9.1	17.0
-295		14 53	23.1	21.1	19.0	18.2	16.8	14.0	15.3	15.7							
AA-104-286		14 30	11.1	10.1	8.2	9.9	10.1	8.3	8.3	7.7						6.0	9.5
-287		14 31	5.3	2.7	.1	.4	-3	-2.6	-2.3	-1.0						5.3	3.0
-288		14 33	8.4	5.8	3.8	4.4	4.0	2.2	2.6	3.8						6.8	6.6
-289		14 34	9.4	8.3	6.6	7.6	7.3	5.3	5.1	6.7	3.9					6.8	8.3
-290		14 37	10.8	9.6	8.4	9.2	9.4	8.2	8.7	9.9						8.3	10.8
-296		15 13	6.8	5.2	3.2	4.3	4.5	2.7	3.2	4.4	2.6					5.8	5.7
-297		15 25	5.0	2.9	1.0	1.2	.8	-2	.8	2.8	2.8					6.8	4.0
AA-103-299	01 OCT 80	7 0	3.2	-1.9	-3.8	4.2	3.5	2.7	6.3	7.7	6.5	4.6	5.2	.8	-3	6.8	4.1
-300		7 2	3.2	-2.0	-3.3	4.7	4.6	3.4	8.8	8.1	7.1	6.4	6.9	3.4		7.1	4.8
-301		7 3	1.4	-2.8	-2.8	3.0	5.1	4.7	9.4	9.1	7.8	7.6	8.2	4.2		7.0	4.6
-302		7 5	1.0	-2.6	-2.7	1.3	4.5	2.7	8.2	8.2	8.0	7.4	9.0	4.8		6.4	3.9
-303		7 7	.9	-3.0	-3.5	.4	5.0	2.2	6.8	7.3	7.3	6.9	8.1	5.4		6.0	3.3
-309		7 32	7.4	2.1	-2.5	.0	6.1	1.8	8.0	8.8	9.0	9.0	9.8	5.0		7.3	5.3
-310		7 35	8.1	2.6	-3.0	-2.0	7.9	4.8	8.8	9.3	10.5	8.8	10.5			7.5	5.4
-311		7 35	9.1	4.0	-1.5	-1.2	5.8	7.2	9.8	7.2	7.2	7.2	9.3	5.2		7.9	6.4
-312		7 36	7.8	2.6	-2.6	-6	3.1	4.5	6.1	7.7	6.7	6.1	7.7	3.2		7.4	5.0
-313		7 38	6.6	1.3	-3.5	-7	4.1	6.8	5.2	8.5	7.3	6.3	8.5	4.7		7.3	5.0
-319		7 59	8.9	4.3	-1.2	-4.0	-3.6	-3.3	2.0	5.3	4.5	2.1	3.6	.8	-1.5	6.4	2.7
-320		8 0	9.5	5.4	-1	-3.3	-3.8	-4.3	.2	3.9	3.4	2.2	2.2	.0	-1.5	6.4	2.6
-321		8 1	9.9	5.9	.6	-2.8	-3.6	-4.5	-7	2.9	3.4	2.4	2.2	.0	-1.6	6.4	2.7
-322		8 3	11.8	8.0	2.9	-1	-1.4	-3.1	-9	1.6	2.1	1.7	2.7	-5	-2.2	7.0	3.9
-323		8 8	13.5	9.4	4.5	1.0	-5	-2.5	.0	2.7	3.3	2.7	4.2	1.3	-6	7.8	4.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE D19

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	1.8	-4	-1.2	-1.1	.6	-2	2.1	6.6	15.1	28.0	19.9	7.3	4.2	.2	31.3
-305		7 19	1.0	-1.0	-2.0	-1.9	-1	-1.3	1.2	6.0	15.0	25.0	15.2	3.5	1.5	-1.3	31.3
-306		7 21	.5	-1.5	-2.5	-2.4	-5	-1.3	1.1	5.6	14.7	24.8	14.7	2.4	-8	-3.8	31.3
-307		7 22	1.0	-9	-1.8	-1.7	.0	-8	1.6	6.5	17.0	24.5	16.0	3.9	.8	-2.3	32.2
-308		7 24	.9	-9	-1.7	-1.6	.2	-5	1.5	5.4	14.6	26.6	17.8	5.7	2.6	-3	31.3
-314		7 44	1.8	-2	-1.1	-1.0	.7	-1	2.2	7.2	17.0	27.6	18.7	6.3	3.2	.0	31.3
-315		7 46	1.5	-2	-1.1	-1.0	.8	-1	2.3	6.9	16.2	28.4	19.1	6.7	4.3	1.3	31.3
-316		7 47	1.1	-5	-1.4	-1.5	.1	-8	1.4	6.0	15.3	27.8	18.4	4.5	.8	-1.7	31.3
-317		7 49	1.2	-4	-1.3	-1.1	.5	-5	1.8	5.8	14.8	27.8	21.6	8.6	4.1	1.0	31.3
-318		7 50	.7	-9	-1.9	-1.9	-.3	-1.4	.6	4.6	12.4	24.5	20.3	9.1	6.1	4.0	33.5
-324		8 15	1.6	.1	-8	-.3	1.1	2.1	2.1	5.6	12.1	23.4	23.3	12.8	9.1	5.9	34.4
-325		8 17	1.1	-3	-1.5	-1.4	.1	-8	1.6	5.0	12.3	24.9	20.9	8.9	4.4	1.6	33.5
-326		8 18	.9	-5	-1.5	-.9	.5	-7	1.7	5.1	11.7	24.0	21.7	11.2	7.7	5.7	32.6
-327		8 20	.9	-3	-1.6	-.8	.7	-6	1.8	5.2	11.8	23.2	22.4	12.8	10.0	8.2	31.3
-328		8 22	1.3	-1	-1.0	-.7	.4	-4	1.8	5.4	11.9	23.7	24.4	14.9	10.9	7.5	30.4
-329		8 24	.6	-6	-1.6	-.9	.5	-4	1.7	5.0	11.4	23.2	23.0	13.5	10.9	9.0	33.5
AA-105-330	16 DEC 80	7 29	-2	-2	-1.7	.0	1.0	-1.6	.1	3.0	7.3	15.5	25.9	23.9	18.6	12.0	29.5
-331		7 31	-.8	-6	-1.3	-.4	.6	-1.9	.1	2.9	7.0	15.3	27.5	24.5	21.8	16.0	45.6
-332		7 34	-2	.0	-.4	.3	1.2	-1.3	.3	2.8	6.5	14.0	25.2	26.0	22.8	16.6	33.1
-333		7 36	.2	.4	-.1	.6	1.2	-1.3	.1	2.4	5.8	12.9	22.7	24.2	21.5	15.5	34.4
-334		7 39	-.7	-3	-1.2	-.4	.8	-1.6	.2	2.6	6.4	13.0	22.2	22.0	20.0	15.7	35.3
-335		7 41	-.3	.1	-.2	.7	2.0	-.2	1.3	4.2	8.1	15.5	25.2	24.7	22.4	17.1	32.7
AA-106-336		7 51	3.8	3.4	3.0	3.1	3.4	1.5	1.9	3.6	7.0	11.5	15.4	19.3	19.4	14.5	32.7
-337		7 53	3.4	2.9	2.7	3.0	3.2	1.4	2.1	3.7	7.1	11.3	14.5	17.8	19.9	16.2	34.1
-338		7 56	3.6	3.4	3.4	3.7	4.0	2.5	3.1	4.0	8.4	12.6	15.5	19.3	22.9	19.9	37.6
-339		8 7	3.5	2.9	2.9	3.3	3.4	1.6	1.9	3.6	6.9	11.1	14.2	17.7	18.9	13.8	32.3
-340		8 9	4.1	3.2	2.9	3.1	3.5	1.6	2.3	4.0	7.4	11.5	14.1	16.8	19.5	16.9	35.4
-341		8 11	3.7	3.0	3.0	2.9	3.4	1.4	2.2	3.9	7.2	11.3	13.6	15.9	19.1	16.9	33.6
AA-105-342	17 DEC 80	8 2	.0	-2	-.9	-.3	.5	-1.8	-.3	2.8	7.9	20.3	31.6	23.6	19.2	11.8	34.4
-343		8 8	.3	-1	-.9	.0	1.0	-1.6	-.1	2.7	7.6	19.3	31.6	25.2	20.3	14.1	34.9
-344		8 10	.4	-1	-.7	.0	.8	-1.6	-.2	2.8	7.9	19.5	31.3	24.3	20.0	13.8	36.2
-345		8 12	.2	-2	-.8	-.2	.8	-1.8	-.3	2.7	8.2	20.4	31.1	22.9	18.5	12.7	44.7
-346		8 14	.4	.0	-.8	-.2	.8	-1.9	-.3	2.7	8.1	20.6	30.5	24.5	20.6	13.7	34.0
-354		13 13	1.2	.6	.1	1.3	2.8	.6	2.1	4.5	6.9	11.1	14.3	18.3	25.4	24.8	49.2
-355		13 17	1.3	.7	.2	1.2	2.5	.4	2.0	4.0	6.4	10.7	13.2	17.1	22.6	22.6	34.4
-356		13 18	1.4	.9	.5	1.7	3.2	1.4	2.8	4.9	7.4	11.8	14.6	18.6	25.0	25.0	35.8
-357		13 20	1.6	.7	.2	1.3	2.8	.7	2.4	4.8	7.4	11.8	15.3	19.9	28.0	28.2	34.4
-358		13 22	2.1	1.9	1.5	2.9	4.8	2.9	4.9	7.2	10.0	14.1	17.3	21.9	29.4	28.3	35.3
-359		13 23	1.5	.6	.1	1.2	2.6	.6	2.1	4.2	6.6	10.8	13.7	17.2	23.7	23.7	34.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 67  
 PAGE E19

TEST NO.	DATE	START TIME (MR-PN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)	
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000
AA-104-304	01 OCT 80	7 17	-2.3	-5.1	-5.1	-3.1	-3.1	-3.1	3.1	-3.1	-3.1	3.1	1.3	1.2	-3.0	2.9	-1.8
-305		7 19	-3.1	-6.3	-6.9	-4.8	-4.8	-4.8	4.2	-4.2	-4.2	1.9	-1.0	-2.0	-8	-5.8	-7.5
-306		7 21	-5.1	-6.9	-6.3	-4.7	-5.4	-6.2	-3.1	-2.5	-1.9	-1.8	-1.8	-1.8	-4	-5.2	-6.6
-307		7 22	-3.1	-3.9	-3.3	-2.8	-5.0	-4.3	-3.1	1.0	1.6	1.4	2.0	3.3	2.0	-1.7	
-308		7 24	-2.1	-4.7	-4.4	-6	-6	-6	-2.6	-3	1.3	-1.7	1.6	4.3	3.0	1.0	
-314		7 44	-1.9	-4.9	-5.4	-2.7	-1.9	-2.1	-1.7	-4.4	1.7	1.7	5	1.6	4.3	3.4	1.3
-315		7 46	-4	-3.9	-5.0	-2.7	-1.6	-2.6	1.6	1.3	1.7	1.7	1.7	1.7	1.7	3.4	1.1
-316		7 47	-3.4	-6.4	-7.0	-3.4	-1.0	-5.5	-3.5	-2.3	-2.9	-3.6	-2.1	-6.2	2.2	-3.2	
-317		7 49	-1.2	-4.7	-5.5	-1.3	-7	-2.1	-2.7	-1.1	-2	-1.9	1.7	4.1	2.9	-1.5	
-318		7 50	3.0	1.6	-1.6	-2.1	-1.1	-1.1	-6	-1.2	1.3	1.3	1.3	3.8	3.5	1.6	
-324		8 15	3.6	1.1	-1.7	-3.4	-5.1	-5.1	-6.5	-1.9	-5	-1.5	-1.5	6	3.4	-5.0	
-325		8 17	-5	-3.2	-5.8	-6.1	-5.8	-4.7	-1.7	-2.0	-2.1	-1.8	-1.8	1.0	-5.8	-6.7	
-326		8 18	3.8	1.5	-1.3	-2.9	-4.1	-3.9	-1.1	1.5	-1.7	-1.9	2.3	3.6	3.7	-2	
-327		8 20	6.4	4.9	2.6	1	-2.6	-4.2	0	3.0	2.4	4.4	4.5	1.3	4.6	1.9	
-328		8 22	5.4	2.8	1	-7	-2.2	-2.3	1.3	2.5	3.9	2.8	4.6	4.6	4.5	1.6	
-329		8 24	6.2	3.1	-3	-2.3	-4.1	-5.0	-9	1.1	1.8	-3	3.7	-1.9	4.0	1.3	
AA-105-330	16 DEC 80	7 29	8.1	2.3	-5	2	1.8	4	2.4	4.4	4.4	3.0	2.3	2.3	5.2	4.7	
-331		7 31	12.8	7.5	4.5	4.5	6.0	4.7	6.4	8.4	8.4	8.0	6.4	5.5	5.8	8.6	
-332		7 34	13.0	6.7	2.6	4	2.9	3.1	1.7	5.2	2.2	2.2	2.4	1.5	5.5	6.2	
-333		7 36	12.8	7.3	4.0	2.3	3.9	3.6	2.8	5.5	3.6	4.4	4.4	2.1	5.2	7.0	
-334		7 39	13.8	9.9	7.6	5.3	3.6	3.1	4.7	7.4	6.0	6.5	6.5	5.5	5.6	8.4	
-335		7 41	15.3	10.8	7.2	4.8	4.6	4.6	4.7	5.4	7.9	5.9	7.3	7.3	7.0	9.3	
AA-106-336		7 51	12.1	10.4	9.8	10.9	9.4	8.0	7.4	7.5	6.5	6.1	6.1	4.6	6.2	9.4	
-337		7 53	14.3	11.7	10.6	11.4	10.3	8.9	9.0	9.7	6.2	7.2	7.2	6.3	6.3	10.3	
-338		7 56	19.3	17.3	16.7	18.0	16.4	15.0	15.0	16.2	9.6	9.6	9.6	7.6	7.6	14.1	
-339		8 7	11.5	9.9	9.3	10.5	9.9	9.4	9.1	10.1	10.1	9.6	9.6	6.1	6.1	10.0	
-340		8 9	16.2	15.6	15.2	15.2	13.8	12.9	12.9	13.6	14.3	14.3	14.3	6.5	6.5	12.3	
-341		8 11	15.9	15.3	15.2	15.6	14.2	13.1	13.2	13.6	14.1	12.2	12.2	6.5	6.5	12.4	
AA-105-342	17 DEC 80	8 2	8.0	2.1	-2.2	-4.7	-3.7	-1.6	-1.5	-2.3	-1.7	-1.7	-3.9	-5.0	-11.9	-9.1	
-343		8 8	10.6	4.4	-7	-3.0	-1.0	2.1	1.8	1.2	1.2	1.2	1.4	1.4	5.0	3.5	
-344		8 10	9.7	2.2	-3.1	-3.9	2	3.6	-2	1.2	2.2	2.2	2.2	1.6	-5.2	4.9	3.3
-345		8 12	8.7	1.5	-3.7	-2.1	5.6	7	5	5.5	3.9	2.5	3.7	3.7	5.0	4.0	
-346		8 14	8.9	1.7	-2.8	-6	6.8	-2	1.9	4.9	3.6	2.8	3.7	3.7	5.2	4.4	
-354		13 13	24.4	22.2	22.2	21.4	20.1	20.1	17.6	18.0	18.7	18.7	18.7	8.2	8.2	17.4	
-355		13 17	23.3	21.4	21.2	21.3	20.8	18.4	18.8	19.1	19.1	19.1	19.1	7.7	7.7	17.1	
-356		13 18	25.4	23.2	22.7	22.1	21.3	20.8	18.4	18.8	19.1	19.1	19.1	8.7	8.7	18.2	
-357		13 20	27.4	25.1	24.8	24.4	23.7	21.3	21.3	21.9	21.9	21.9	21.9	8.6	8.6	19.0	
-358		13 22	28.6	26.5	26.6	26.3	25.2	22.9	22.9	22.9	22.9	22.9	22.9	10.7	10.7	20.8	
-359		13 23	24.3	22.3	22.1	21.6	20.9	19.1	19.1	19.9	19.9	19.9	19.9	7.7	7.7	17.1	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87  
 PAGE D20

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-360	17 DEC 80	13 42	-1	1	-2	1.3	-9	-2	1.7	5.4	11.7	20.4	18.8	13.4	7.2	33.6			
-361		13 45	1.7	5	3	0	1.0	-1.1	-5	1.4	5.3	11.3	18.8	17.3	12.0	6.2			
-362		13 50	-2.3	-8	-5	-9	-3	-2.1	-1.3	.6	5.0	12.5	22.6	19.0	12.3	7.0			
-363		13 54	-3	-9	-1.2	-1.7	-4	-2.8	-2.1	.0	4.1	10.8	19.1	16.2	10.0	5.8			
-364		13 57	-7	-1	-4	-4	-5	-1.7	-1.2	1.0	5.5	12.7	21.9	18.0	12.0	6.5			
-365		14 1	0	7	1	-7	6	-1.6	-7	1.4	6.7	15.0	22.1	17.3	10.1	3.1			
-366		14 6	-9	4	4	0	9	-1.3	-5	1.5	6.1	13.2	21.4	19.0	12.9	6.1			
AA-105-367	08 JAN 81	10 30	-1.6	-2.7	-2.0	9	8.1	10.3	18.5	21.8	22.4	19.9	16.0	11.9	10.5	8.3			
-368		10 31	-1.3	-2.5	-2.0	5	7.6	10.0	18.0	21.5	22.1	20.3	16.2	13.4	12.6	9.8			
-369		10 34	-1.2	-2.3	-1.7	9	7.4	10.1	19.0	22.9	25.0	22.9	20.0	15.9	14.9	11.4			
-370		10 35	-1.6	-2.5	-2.3	4	7.1	10.2	18.0	21.8	22.8	21.2	15.7	12.4	10.9	9.1			
-371		10 37	-1.0	-2.2	-1.8	7	7.0	10.0	19.0	23.9	24.9	24.1	19.1	13.7	11.4	8.2			
-372		10 39	-1.3	-2.3	-1.8	7	6.9	9.9	17.9	21.8	22.7	22.0	17.3	12.4	11.5	9.6			
-373		10 41	-9	-2.1	-1.4	9	7.2	10.3	19.0	23.3	23.9	21.9	17.0	12.5	10.5	7.9			
-374		10 43	-1.0	-1.9	-1.5	9	7.0	10.0	18.6	23.8	25.9	24.7	21.6	16.3	12.7	10.0			
-375		10 45	-1.1	-2.4	-1.7	8	6.7	10.0	18.0	22.3	24.1	22.0	18.6	14.2	11.8	10.4			
-376		10 46	-9	-2.1	-1.5	9	7.6	10.1	18.8	23.5	25.9	25.1	20.5	16.4	13.9	11.8			
-377		10 48	-9	-2.0	-1.5	1.2	7.3	10.0	18.5	22.9	25.5	24.4	19.9	15.4	13.5	11.0			
AA-105-378	09 JAN 81	8 48	-1.9	-2.7	-2.1	9	6.5	8.6	16.9	21.6	23.0	19.7	16.7	15.0	13.4	10.7			
-379		8 50	-1.5	-2.5	-1.8	1.2	6.9	9.7	18.9	20.5	22.2	20.4	16.6	12.8	11.2	9.3			
-380		8 51	-2.2	-2.6	-1.7	1.3	7.4	10.4	19.5	19.8	20.8	18.3	14.7	12.7	11.2	9.2			
-381		8 52	-1.8	-2.2	-1.2	1.8	7.5	10.3	19.0	20.6	21.6	19.6	15.3	13.1	12.5	10.6			
-382		8 57	-2.1	-2.2	-1.3	1.5	7.4	10.1	17.7	20.4	20.7	18.5	14.2	11.0	9.4	7.0			
-383		8 58	-2.2	-2.2	-1.4	1.6	7.5	10.5	17.6	19.3	20.3	18.3	13.7	11.2	10.4	7.9			
-384		8 59	-2.3	-2.2	-1.4	1.5	7.3	10.1	18.1	21.5	23.5	19.7	15.0	12.4	10.2	8.3			
-385		9 1	-2.3	-2.3	-1.5	1.5	7.0	10.1	17.3	18.8	18.8	17.0	12.9	10.4	8.1	5.6			
-386		9 2	-2.9	-2.2	-1.7	1.4	7.1	10.2	17.3	19.0	20.3	17.3	12.2	8.0	5.0	2.4			
-387		9 3	-2.0	-2.1	-1.2	1.7	7.5	10.6	17.6	20.3	22.2	19.2	14.2	11.5	9.2	6.6			
-388		14 9	-3.5	-2.3	-1.9	1.0	6.5	9.5	19.1	23.3	24.5	23.6	19.2	16.2	14.5	13.8			
-389		14 12	-2.9	-1.6	-9	1.8	7.0	9.7	19.1	22.7	25.3	26.0	21.3	18.1	16.4	15.5			
-390		14 14	-3.0	-2.0	-1.7	1.4	6.3	9.3	18.6	21.9	24.1	23.1	18.9	17.3	15.9	14.6			
AA-106-391		14 38	-9	-2.2	-1.2	.4	5.6	6.0	13.4	19.2	22.6	18.0	13.3	11.0	7.8	6.1			
-392		14 42	-1.2	-2.4	-1.3	.4	5.4	6.0	13.4	18.6	22.1	17.3	10.8	7.6	4.7	2.6			
-393		14 44	-1.2	-2.5	-1.5	.1	5.3	5.9	13.1	17.4	21.0	16.7	11.1	8.3	5.6	3.6			
-394		14 45	-1.1	-2.5	-1.2	.7	5.9	6.2	13.8	19.4	22.6	17.9	11.4	8.2	5.8	3.6			
-395		14 47	-1.2	-2.5	-1.2	.4	5.7	6.1	12.9	18.4	21.9	18.3	12.5	9.9	7.9	6.4			
-396		14 49	-1.1	-2.4	-1.4	.4	5.6	6.0	13.3	18.0	21.7	17.5	11.9	8.9	5.8	3.3			
-397		14 50	-1.2	-2.4	-1.3	.4	5.7	6.4	13.6	18.9	22.5	18.6	12.2	9.3	6.8	4.7			
-398		14 52	-1.2	-2.5	-1.4	.3	5.5	6.1	13.6	18.1	21.4	18.1	12.1	9.1	6.3	3.9			



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE E20

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)															OASPL (DB)	AL (DBA)	
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-105-360	17 DEC 80	13 42	3.1	-6	-2.4	-2.3	-2.1	-1.9	.1	-1.1	-1.8								3.3	1.3
-361		13 45	3.1	-5	-1.8	-1.5	-2.0	.6	-1.5	-1.2	.0								3.2	.9
-362		13 50	3.8	.0	-2.0	-1.0	.6	-1.5	-1.2										2.9	2.3
-363		13 54	3.2	.7	.0	.3	.0	.3	.4										2.0	2.9
-364		13 57	2.2	-2.0	-4.0	-2.6	-2.5	-1.7	-1.4	-1.3	-4.0	-4.2							2.7	.2
-365		14 1	-5	-3.5	-3.2	-1.1	-1.0	-2.0	.0	1.7	-1.1								3.0	.9
-366		14 6	2.8	-3	.6	.8	.2	.3	.3										3.5	3.2
AA-105-367	08 JAN 81	10 30	6.5	4.9	3.1	1.2	-1.8	-3.2	-2.4	.3	1.6	.1	3.8	-4	2.3			6.8	2.5	
-368		10 31	7.6	5.7	3.6	1.2	-1.8	-2.4	.9	3.2	1.2	2.2	4.2	1.1	3.6			7.5	3.5	
-369		10 34	9.0	6.8	4.1	1.4	-1.3	-1.7	1.7	3.6	3.4	3.8	6.5	3.5	5.4			8.2	4.2	
-370		10 35	7.3	5.6	4.0	2.0	-0.9	-2.4	-1.2	2.9	2.3	.1	4.2	-1	2.5			7.5	3.6	
-371		10 37	5.6	3.0	1.3	-5	-2.8	-3.0	-1.5	1.0	1.0	-1	3.8	.1	3.0			6.6	2.0	
-372		10 39	6.6	7.6	5.9	4.0	.5	-2.0	-2.3	.8	2.8	-.5	2.6	1.8	1.8			7.8	4.1	
-373		10 41	8.0	1.9	-3	-1.9	-3.2	-1.9	-1.4	-2.1	-2	-1.2	1.8	-1.5	1.2			5.8	.9	
-374		10 43	7.8	5.7	3.5	1.4	-.8	.0	2.8	2.4	2.8	3.3	6.2	2.8	5.3			8.0	4.1	
-375		10 45	8.8	6.8	4.7	2.8	.2	-.8	.6	3.7	2.5	1.8	5.2	1.5	3.9			8.1	4.6	
-376		10 46	9.0	6.0	3.3	1.2	-.6	-.2	1.3	2.3	3.9	2.7	4.9	1.5	4.1			8.1	4.0	
-377		10 48	8.8	6.9	6.1	4.6	1.3	-.8	-1.0	1.5	3.9	1.6	3.4	.0	2.3			8.6	5.0	
AA-105-378	09 JAN 81	8 48	8.7	8.1	7.0	5.7	2.9	.6	-1.3	-2.2	-2.2	-2.5	.8	-2.0	2.6			7.3	4.9	
-379		8 50	7.5	7.1	5.7	4.1	1.3	-.9	-2.5	-3.3	-2.9	-2.9	.3	-2.5	2.6			6.7	3.7	
-380		8 51	6.8	5.3	4.2	3.6	1.4	-.7	-1.8	-2.8	-3.6	-3.7	-1.5	-5.5	-.6			6.3	3.1	
-381		8 52	6.4	7.0	5.8	5.0	2.7	.8	-.5	-1.9	-2.7	-2.9	-.9	-5.4	-1.0			7.2	4.4	
-382		8 57	5.3	4.1	2.6	1.9	-.5	-2.5	-4.0	-4.6	-4.8	-4.3	-.9	-4.3	.0			5.6	1.8	
-383		8 58	5.5	4.4	3.7	3.2	.7	-1.1	-2.6	-3.4	-4.3	-3.8	-1.3	-4.9	.4			5.9	2.6	
-384		8 59	6.6	5.0	3.4	2.2	-.4	-2.2	-3.2	-3.6	-4.0	-3.2	.2	-2.7	2.3			6.0	2.5	
-385		9 1	3.6	2.2	1.0	.8	-1.5	-3.2	-4.4	-4.4	-4.0	-2.4	.5	-3.2	1.0			4.9	1.1	
-386		9 2	.9	-.4	-1.7	-2.9	-5.6	-6.9	-7.4	-6.1	-3.5	-2.3	-1.2	-2.8	.6			3.9	-1.2	
-387		9 3	4.2	2.6	.8	-.2	-2.8	-4.5	-4.9	-3.6	-1.1	.7	1.2	-2.8	2.2			5.1	1.1	
-388		14 9	12.5	12.2	11.5	12.3	11.2	9.2	9.2	8.8	5.7	5.3						10.8	11.7	
-389		14 12	15.4	15.4	15.1	15.5	13.9	12.2	13.1	13.5								12.0	15.5	
-390		14 14	13.4	13.4	12.8	13.5	12.6	10.5	10.8	10.6								11.5	13.6	
AA-105-391		14 38	2.6	1.3	.9	-.1	-3.1	-6.5	-6.9	-5.9	-4.5	-4.9	-4.0	-8.5	-1.8			2.2	-1.8	
-392		14 42	-.1	-2.0	-2.5	-3.5	-3.5	-5.0	-5.0	-3.7	-4.1	-4.1	-3.2	-8.3	-2.4			1.3	-2.4	
-393		14 44	.8	-.6	-1.4	-2.2	-4.7	-7.0	-5.5	-3.5	-5.3	-6.5	-4.7	-9.5	-2.7			1.2	-2.7	
-394		14 45	.8	-.8	-.9	-1.4	-3.8	-6.2	-5.5	-4.8	-5.6	-5.4	-4.5	-8.9	-1.5			1.5	-2.3	
-395		14 47	4.6	2.7	1.6	.2	-2.7	-5.6	-5.5	-4.2	-4.3	-4.2	-9.7	-2.9	-1.0			2.9	-1.0	
-396		14 49	-.2	-1.9	-2.5	-2.8	-5.4	-7.8	-6.3	-4.8	-7.0	-7.3	-6.0	-10.5	-12.1			1.2	-3.7	
-397		14 50	1.5	-.3	-1.3	-2.4	-5.2	-7.7	-6.1	-3.3	-4.5	-5.1	-3.9	-8.2	-2.9			1.2	-2.9	
-398		14 52	.3	-1.5	-2.2	-2.7	-5.1	-7.2	-6.3	-4.5	-6.6	-6.3	-5.3	-9.5	-10.7			.5	-3.4	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE 021

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-399	13 JAN 81	08 11	-2.2	-1.6	-1.4	1.4	10.3	12.4	16.2	20.2	22.5	23.6	20.8	20.1	19.7	18.1	35.8		
-400		08 13	-2.3	-1.7	-1.1	1.3	10.0	12.5	16.3	20.3	23.0	23.9	21.4	20.1	19.6	18.5	36.7		
-401		08 14	-2.2	-1.6	-1.1	1.6	10.2	12.5	16.4	20.8	23.5	24.4	21.6	21.2	21.1	20.1	35.3		
-402		08 35	-2.1	-1.2	-1.0	2.1	10.1	12.4	16.7	20.6	23.5	25.0	22.4	21.5	20.7	19.2	34.0		
-403		08 37	-2.3	-1.4	-1.1	1.8	9.5	11.7	16.0	20.0	22.8	24.1	21.9	21.7	22.0	21.1	35.8		
-404		08 38	-2.2	-1.5	-1.2	2.0	9.6	11.9	15.8	19.9	22.5	23.7	21.6	20.8	21.0	20.2	35.8		
-405		13 07	.0	.0	-.7	2.1	10.2	12.8	16.9	21.0	23.8	25.3	23.8	22.6	22.4	21.2	37.1		
-406		13 11	.0	-.6	-.3	2.4	9.9	13.0	17.6	21.5	24.2	25.7	23.4	21.6	22.0	20.6	35.8		
-407		13 14	.0	-.6	-.4	2.3	10.1	13.1	17.0	20.6	23.1	24.5	22.5	20.7	21.2	20.8	35.3		
-408		13 16	-.2	-.7	-.5	2.2	9.5	12.8	16.8	20.5	22.7	24.5	23.3	22.6	23.7	22.5	35.3		
-409		13 18	-.1	-.7	-.5	2.2	9.6	13.1	17.0	20.9	23.2	24.8	22.8	21.4	21.5	20.9	35.8		
AA-106-403		08 23	-1.1	-1.6	-1.1	1.9	9.4	9.6	14.2	18.0	19.6	17.3	11.8	9.0	6.9	5.1	35.4		
-404		08 26	-1.4	-1.9	-1.5	1.5	9.2	9.9	14.0	17.4	18.5	15.6	11.0	8.5	6.6	4.7	36.3		
-405		08 27	-1.7	-2.1	-1.6	1.4	9.1	9.3	13.2	16.7	18.2	16.4	12.6	10.7	8.4	7.4	35.4		
-406		08 45	-1.8	-2.3	-1.6	1.2	9.3	8.7	13.3	16.7	17.8	15.5	10.3	7.3	5.5	4.1	36.3		
-407		08 47	-1.5	-2.1	-1.3	1.7	9.3	8.5	14.3	18.4	19.6	15.9	9.9	6.5	3.6	2.2	36.3		
-408		08 50	-1.7	-2.1	-1.3	1.6	9.1	8.7	13.8	17.2	18.8	15.1	9.6	5.9	2.8	1.0	38.5		
-409		13 31	-1.2	-2.4	-1.6	.4	8.2	9.1	12.8	16.4	18.2	16.9	12.5	9.7	7.8	5.8	34.9		
-410		13 35	-1.5	-2.3	-1.7	.3	8.4	8.6	13.3	16.9	18.2	15.1	10.1	6.6	5.0	3.4	35.4		
-411		13 37	-1.5	-2.8	-2.1	-.3	7.0	8.0	12.8	16.4	17.4	14.5	9.3	6.2	4.1	2.3	19.7		
-412		13 39	-1.8	-2.5	-1.4	.5	8.1	8.3	13.0	17.1	19.1	16.8	12.7	10.3	9.1	8.0	34.5		
-413		13 40	-2.1	-2.8	-2.0	.0	7.7	8.1	11.9	15.0	15.9	14.4	10.1	7.6	5.9	4.4	35.4		
-414		13 42	-1.6	-2.5	-1.5	.3	8.0	8.8	13.0	17.2	19.4	17.8	13.8	10.2	8.6	7.2	38.5		
AA-105-424	15 JAN 81	08 19	.0	-.4	-.5	1.6	7.3	14.8	21.0	24.9	25.8	25.1	19.7	16.4	15.0	12.7	34.4		
-425		08 21	.6	-.2	-.4	1.5	6.8	13.8	21.9	25.0	26.0	24.0	20.2	17.8	16.7	13.7	35.8		
-426		08 22	.9	-.2	-.1	2.1	8.1	15.1	21.9	25.8	25.9	25.9	21.3	17.8	16.0	11.8	35.3		
-427		08 23	1.1	.3	.7	3.0	8.4	16.1	23.3	28.5	27.8	25.5	21.1	17.1	15.4	12.0	34.9		
-428		08 25	.9	.3	.1	1.7	7.4	14.9	21.6	25.2	24.7	22.4	17.1	12.7	10.5	6.4	34.0		
AA-106-429		08 33	-1.4	-2.0	-1.4	-.1	6.5	10.9	17.5	18.9	20.0	15.8	13.7	11.1	9.6	9.3	35.4		
-430		08 34	-1.6	-2.2	-1.1	-.1	6.6	11.2	17.4	18.8	19.7	15.8	13.5	11.2	10.0	9.4	34.5		
-431		08 36	-1.4	-2.3	-1.5	.1	6.5	11.1	17.3	18.7	19.7	15.3	13.0	11.0	10.0	9.2	34.5		
-432		08 37	-1.4	-2.2	-1.4	.1	6.8	10.9	17.6	19.1	20.3	15.9	13.5	11.0	9.4	9.0	34.5		
-433		08 39	-1.3	-2.2	-1.3	.0	6.7	10.9	17.4	18.6	19.9	15.6	13.1	10.8	9.6	8.8	35.8		
AA-105-434	03 FEB 81	09 16	1.9	1.7	2.0	2.1	5.2	3.9	6.5	9.1	13.8	20.4	23.7	24.7	23.9	23.2	40.2		
-435		09 26	1.7	1.4	1.5	1.5	4.6	3.3	5.6	8.0	12.9	20.2	24.1	22.8	21.8	20.5	36.2		
-436		09 28	2.1	1.8	2.1	2.1	5.2	3.9	6.2	8.4	13.1	20.1	23.8	23.8	22.7	21.1	34.4		
-437		09 29	1.2	.6	1.0	1.1	4.5	3.0	6.0	8.4	13.1	19.2	21.6	22.8	21.8	19.3	34.9		
AA-106-438		09 38	-2.2	-4.3	-3.7	-4.0	-1.0	-3.8	-1.9	3.8	17.4	23.4	14.4	2.6	-.9	-3.9	34.5		
-439		09 43	-2.2	-4.1	-4.2	-4.3	-1.1	-3.3	-1.4	2.7	13.8	24.5	15.1	4.0	.8	-2.2	23.3		
-440		09 48	-3.3	-4.3	-3.9	-3.5	-.3	-2.8	-2.2	2.9	15.2	22.6	16.1	5.4	3.0	.2	34.0		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:

DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE E21

ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-399	13 JAN 81	8 7	17.5	17.7	17.2	17.3	15.7	13.4	13.6	13.7	12.4					14.2	17.0
-400		8 11	17.7	17.8	18.0	18.1	16.1	13.4	13.2	13.2	12.8	13.3	14.7			14.3	16.9
-401		8 13	19.0	19.6	19.0	18.6	16.1	13.8	14.3	14.6	14.2	14.7				14.5	17.9
-402		8 14	19.4	19.2	18.4	19.0	16.8	14.6	15.1	15.0	14.4	14.8				14.5	18.3
-407		8 35	18.8	19.5	19.2	19.8	17.7	15.2	15.4	15.5	15.0	15.5				14.3	18.6
-408		8 37	20.6	21.7	21.6	21.8	19.3	16.6	16.9	16.6	16.5	15.6				14.2	20.1
-409		8 38	20.3	20.8	19.8	20.1	17.9	15.7	15.9	16.0	15.4	15.3				14.0	19.0
-413		13 7	20.9	21.7	20.9	21.2	20.2	18.2	17.9	17.4	19.2	15.6				15.2	20.5
-414		13 11	21.4	22.9	22.7	21.7	20.4	18.8	18.6	17.2	17.8	15.2				15.3	20.9
-415		13 14	21.1	21.9	22.6	23.0	21.6	20.0	20.0	19.2	19.9					15.0	21.5
-416		13 16	22.0	22.3	22.4	22.4	21.7	20.2	20.0	19.1	20.2					15.1	21.9
-417		13 18	21.7	22.3	21.7	21.5	20.5	18.9	18.8	18.1	18.9	16.0				14.9	20.8
AA-106-409		8 23	3.5	1.1	.3	1.9	1.6	.4	.1	1.2	-1.1					6.0	2.1
-405		8 26	3.7	2.2	1.3	1.2	.3	-.5	-2.1	-.2	-2.2	-1.8				5.5	1.3
-406		8 27	6.1	4.7	5.3	5.4	2.7	1.1	1.7	2.0						7.2	4.6
-410		8 45	2.6	.6	.7	.9	-.3	-1.0	-.6	-1.7	-3.2					5.3	1.0
-411		8 47	1.3	.1	.4	1.6	.5	-.6	-1.1	-1.8	-3.6	-3.7				4.8	.6
-412		8 50	-.7	-2.2	-1.3	.6	.1	-1.4	-1.9	-2.4	-2.6	-3.4				4.2	-.3
-418		13 31	3.6	1.3	-.1	-.9	-2.8	-1.9	-.7	-2.1	-1.1	-2.6				4.2	.2
-419		13 35	1.1	-1.2	-1.6	-.4	-.2	-.8	-2.6	-1.8	-2.2	-4.0				3.9	-.1
-420		13 37	.4	-1.7	-2.2	-1.4	-1.0	-.6	-2.1	-1.5	-.2					3.4	-.3
-421		13 39	6.3	3.9	3.3	3.6	2.3	1.1	-.1	-.8	-1.4					6.6	3.5
-422		13 40	2.3	-.5	-.9	.2	-.3	-.3	-.5	-.8						4.8	1.2
-423		13 42	5.3	2.3	.7	.2	-1.9	-2.9	-.9	-1.3	-2.5					5.2	.9
AA-105-424	15 JAN 81	8 19	11.7	11.0	10.0	10.6	9.3	5.9	4.7	4.0	3.4	1.2				11.5	9.3
-425		8 21	9.7	7.1	5.8	6.0	4.7	2.5	2.4	1.8	1.4	.1	-1.7			10.2	6.4
-426		8 22	8.5	6.8	4.7	3.7	.9	-2.4	-2.1	-1.1	-1.7	-2.9	-4.1	-11.4		8.0	2.9
-427		8 23	9.5	8.1	7.3	7.3	5.3	1.6	-.2	-.8	-1.4	-2.7	-2.6			10.4	5.8
-428		8 25	3.4	1.1	.2	.9	.1	-1.3	-2.2	-3.3	-4.1	-6.9	-10.7	-21.6		4.1	-1.1
AA-106-429		8 33	7.0	4.9	3.7	1.7	-1.0	-4.0	-5.6	-4.9	-4.2	-4.4	-4.6	-10.2		2.9	-.2
-430		8 34	6.8	5.6	4.4	2.1	-.6	-3.7	-5.3	-5.3	-4.6	-4.1	-4.8	-10.1		3.2	.0
-431		8 36	6.6	4.4	3.5	1.9	-1.1	-4.2	-5.9	-5.7	-5.2	-4.8	-5.9	-11.1		2.6	-.5
-432		8 37	6.0	3.8	2.5	.4	-2.3	-5.2	-6.3	-5.5	-4.2	-5.6	-6.0	-11.0		2.1	-1.1
-433		8 39	6.5	4.9	3.6	1.7	-1.0	-4.1	-6.1	-5.8	-5.2	-4.2	-5.1	-10.1		2.8	-.4
AA-105-434	03 FEB 81	9 16	22.0	22.3	21.5	22.0	21.4	20.6	21.4	21.3	21.3	19.1	19.9			11.7	20.2
-435		9 26	19.7	19.8	19.7	20.0	19.1	18.2	19.2	18.7	19.0	18.0	18.8			10.6	18.4
-436		9 28	20.3	20.6	20.4	20.5	19.8	19.1	20.1	19.9	19.3	18.3	19.4			11.2	19.1
-437		9 29	19.1	19.6	19.6	20.0	18.8	17.7	18.6	18.0	16.7	15.3				10.0	17.9
AA-106-438		9 38	-5.8	-4.7	-1.1	-.5	-2.4	-.9	-1.3	-.6	.5	-2.1	-1.5			.6	-1.8
-439		9 43	-5.1	-6.4	-2.7	-.3	-2.6	-.2	.1	.7	-.6					.7	-1.8
-440		9 48	-3.0	-5.3	-3.5	-.5	-1.6	-1.9	-.7	-.1		-2.3				1.2	-1.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE 022

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-441	04 FEB 81	0 22	.3	.0	.1	.3	2.6	2.0	4.8	8.8	15.6	23.9	27.1	23.6	21.7	20.3	37.6		
-442		0 23	.0	-.4	-.5	-.4	2.1	1.3	4.1	8.3	15.1	23.3	26.1	23.6	21.9	20.5	36.7		
-443		0 27	-.2	-.6	-.7	-.1	2.1	1.3	4.5	8.0	13.8	21.9	24.7	20.5	19.5	17.7	32.6		
-444		0 28	.3	.0	-.1	.3	2.8	2.0	4.7	8.7	15.4	23.6	26.3	23.2	21.0	20.4	37.5		
-445		0 30	.5	.0	-.1	.2	2.3	1.7	4.4	8.0	14.2	22.2	25.5	21.6	19.9	17.3	37.6		
AA-106-446		0 38	-6.7	-7.1	-5.8	-5.1	-2.5	-4.1	-3.0	2.2	12.5	16.3	10.2	5.3	3.5	-.4	38.0		
-447		0 40	-2.3	-4.2	-3.7	-3.4	-1.9	-2.9	-2.3	2.7	13.5	23.8	17.6	7.8	5.1	1.2	35.4		
-448		0 41	-1.9	-4.0	-3.4	-3.3	-1.8	-3.0	-2.6	2.1	12.6	23.5	9.3	7.2	2.9		26.9		
-449		0 43	-8.4	-6.7	-4.7	-4.6	-2.8	-3.5	-2.5	1.9	12.4	20.1	13.4	5.0	3.1	.1	28.2		
AA-105-450	12 FEB 81	13 10	-.3	-.6	-.9	-.2	1.9	.4	3.2	7.4	14.6	20.7	23.3	22.7	21.4	19.6	35.3		
-451		13 12	-.5	-.9	-1.0	-.3	1.8	.4	3.1	6.3	13.5	20.2	22.8	21.1	19.7	17.6	37.6		
-452		13 29	-.2	-.4	-.6	.0	2.6	1.0	3.7	7.6	15.3	21.5	24.2	24.3	23.4	22.8	27.7		
-453		13 32	-.2	-.5	-.8	-.2	2.2	.4	3.5	7.0	14.3	20.8	23.2	24.3	23.3	20.7	34.4		
-454		13 48	-.1	-.4	-.5	.2	2.5	1.1	3.6	6.8	13.9	20.9	23.5	24.1	24.6	22.4	38.5		
AA-106-455		13 56	-2.7	-3.9	-3.8	-3.8	-.5	-2.4	-.5	2.5	8.7	17.2	15.2	5.8	3.6	1.4	34.5		
AA-105-469	25 FEB 81	12 59	1.1	.4	-.3	.7	1.6	.2	1.6	2.7	4.9	8.9	10.6	12.8	17.1	17.7	34.4		
-470		13 1	-.2	-.4	-1.1	-.4	.5	-.8	1.0	1.8	4.2	8.4	11.1	14.4	17.4	15.5	34.0		
-471		13 2	.3	-.2	-1.1	-.4	.5	-1.1	.7	2.4	5.4	10.1	13.5	17.8	21.5	19.2	33.5		
-472		13 4	-.2	-.6	-1.4	-.6	.4	-.9	.7	2.1	4.4	8.3	11.0	14.5	18.2	16.6	35.3		
-473		13 5	.6	.2	-.4	.3	.9	-.6	1.2	2.7	5.4	9.7	11.3	14.6	19.9	19.4	35.3		
AA-106-464		0 33	-2.4	-.5	-.2	.8	2.4	-.5	.3	2.5	5.7	10.7	13.3	16.5	20.4	19.0	30.4		
-465		0 34	1.9	1.3	1.0	1.4	2.8	-.5	.2	2.5	5.7	10.7	13.6	16.8	19.7	17.1	33.6		
-466		0 36	1.7	-.1	.6	.7	2.1	-.8	-.8	1.5	5.3	10.4	13.9	17.8	18.7	14.0	14.8		
-467		0 37	2.1	1.4	1.3	1.4	2.9	-.5	.1	2.4	5.7	10.8	13.7	17.0	19.8	17.6	34.5		
-468		0 39	1.7	1.2	.9	1.3	2.7	-.9	.0	2.2	5.4	10.5	13.6	16.8	19.5	17.1	33.6		
-474		13 16	1.3	.7	.1	.2	.9	-2.1	-2.0	-.1	2.6	6.5	7.9	8.1	11.0	12.3	34.9		
-475		13 18	1.2	.8	.4	.8	1.8	-1.0	-.5	1.4	4.3	8.3	9.4	10.0	12.9	15.4	33.6		
-476		13 19	1.3	.8	.7	1.2	2.2	-.2	1.0	2.0	5.1	9.0	9.9	9.5	12.0	15.7	34.0		
-477		13 26	.9	.6	.1	.5	1.4	-1.3	-1.0	.6	3.4	7.7	9.0	9.3	12.4	15.1	33.1		
-478		13 29	1.3	.9	.4	1.1	1.9	-.8	-.3	1.5	4.3	8.3	9.4	9.0	11.5	13.8	35.3		
AA-105-479	27 FEB 81	7 15	-.3	-1.4	-1.9	-2.0	-.9	-4.0	-2.0	.9	6.4	18.1	26.8	19.7	13.6	6.0	34.4		
-480		7 17	-.5	-1.5	-2.3	-2.3	-1.3	-4.4	-2.5	.8	6.7	19.3	25.2	18.4	12.7	5.0	36.2		
-481		7 18	-.1	-1.5	-2.0	-2.4	-1.3	-4.4	-2.3	.9	7.2	19.9	25.2	19.0	12.4	5.1	34.8		
-482		7 20	-.4	-1.4	-2.1	-2.2	-1.1	-4.2	-2.2	1.0	7.4	20.0	26.4	19.9	12.9	5.4	34.8		
-483		7 21	-.7	-1.3	-2.2	-2.1	-1.2	-4.1	-1.9	1.2	7.5	19.6	27.3	21.1	14.0	5.8	33.5		
-489		7 43	-.3	-1.3	-2.2	-2.2	-1.2	-4.1	-2.1	.5	5.9	17.3	24.6	16.1	10.3	4.1	34.0		
-490		7 45	-.5	-1.4	-2.1	-2.0	-1.1	-4.1	-2.0	.5	5.7	17.1	24.9	16.2	10.2	4.5	34.8		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

DATABASE:  
 DISTANCE 238 M

DATE 02 FEB 87  
 PAGE E22

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000									
AA-105-441	04 FEB 81	8 22	20.5	19.8	20.0	18.9	17.6	17.5													9.6	19.0		
-442		8 23	20.9	20.6	19.8	19.7	18.8	18.0	19.1													9.1	19.0	
-443		8 27	17.2	17.4	16.9	15.8	14.2	14.9	13.4	13.1	14.7											9.4	16.5	
-444		8 28	19.2	19.1	18.2	18.4	17.0	15.9	15.5	15.2												10.1	18.1	
-445		8 30	15.7	16.2	14.8	14.8	13.8	12.4	12.5	11.1	9.8	11.3										9.6	15.1	
AA-106-446		8 38	-3.2	-5.0	-4.5	-9	-1.7	-2.0	-4	-2	.1	-3.1									1.4	-1.8		
-447		8 40	-1.3	-3.5	-4.2	-1.3	-3	-9	1.0	1.0	1.2	1.1	2.0	-2.8	-1.7								1.3	-1.7
-448		8 41	-5	-3.7	-4.5	-2.4	.8	-6	-5	1.2	.1										1.2	-1.6		
-449		8 43	-2.3	-4.5	-3.5	-3	-1.7	-1.3	1.3	1.6											1.8	-1.0		
AA-105-450	12 FEB 81	13 10	20.6	19.7	18.8	19.6	17.3	16.7	18.1	16.8	14.8											8.7	17.0	
-451		13 12	17.1	16.2	14.8	15.7	14.2	13.5	12.3	11.0												8.3	15.3	
-452		13 29	21.8	19.7	20.6	21.8	20.1	19.4														9.2	19.5	
-453		13 32	19.4	18.2	16.8	17.5	16.3	15.7	14.9	14.7	13.8											8.7	17.0	
-454		13 48	20.8	21.2	20.0	19.8	18.0	17.0														9.0	18.8	
AA-106-455		13 56	.9	-1.4	-1.7	.0	.3	-1.6	-2.2	-1.0	-.9	.9	-4.2								1.4	.5		
AA-105-469	25 FEB 81	12 59	15.6	13.2	12.0	10.9	9.3	7.6	8.3	8.9												6.2	11.4	
-470		13 1	12.8	10.2	8.8	7.2	5.1	3.1	3.7	3.8	2.7	1.3									5.0	8.0		
-471		13 2	15.4	14.0	13.0	11.5	9.1	7.4	8.1	8.4												6.0	12.0	
-472		13 4	13.2	10.9	9.2	7.9	6.0	4.4	5.0	5.2												5.1	9.3	
-473		13 5	17.2	15.0	13.6	12.2	9.7	8.0	8.5	8.3												6.2	12.2	
AA-106-464		8 33	15.1	11.2	10.5	12.2	10.1	7.0	4.3	2.3												5.0	9.3	
-465		8 34	13.3	9.1	8.2	9.6	8.2	5.7	4.6	4.0	-8											4.9	8.4	
-466		8 36	9.8	4.3	3.1	3.7	1.5	-1.1	-2.3	-3.2	-5.4	-6.2										3.8	3.1	
-467		8 37	14.5	10.9	10.2	11.4	9.2	6.3	4.9	4.6	1.5	2.2										5.0	8.8	
-468		8 39	13.3	9.5	8.2	9.5	6.4	3.6	2.4	1.9	.2	-1.8	-2.6									4.8	6.8	
-474		13 16	10.4	7.2	5.9	7.5	7.2	6.3	7.3	8.0												2.4	6.8	
-475		13 18	15.8	12.6	11.7	13.1	13.0	12.0	12.3	12.4												4.0	9.5	
-476		13 19	17.6	16.3	15.8	16.7	15.8	14.5	15.2	15.3												4.7	10.6	
-477		13 26	15.5	14.7	13.5	13.6	12.7	11.3	12.8													3.3	9.1	
-478		13 29	13.4	11.2	10.4	12.1	11.9	10.9	10.8													4.1	9.2	
AA-105-479	27 FEB 81	7 15	1.0	-2.7	-2.5	-1.4	.2	-3.0	-3.2	-2.3	-3.2	-4.6	-4.1	-11.6	-16.3								2.9	.3
-480		7 17	.5	-2.0	-1.4	-.4	-1.1	-3.4	-2.6	-2.7	-2.0	-3.4	-2.7	-9.8									3.1	1.0
-481		7 18	.7	-1.0	-1.7	.9	-1.6	-2.5	-1.7	-1.0	-1.5	-2.8	-2.9	-9.7									3.5	1.6
-482		7 20	.9	-1.1	-.7	.2	-1.4	-.6	-2.0	-1.2	-1.0	-2.7	-2.2	-9.2									3.6	1.9
-483		7 21	1.3	-.9	-.5	1.3	-1.0	-.6	-1.8	-.7	-1.1	-2.7	-1.6	-8.7									3.9	2.2
-489		7 43	.0	-3.7	-4.3	-2.6	-3.6	-3.5	-3.2	-5.0	-4.9	-6.5	-6.5	-14.3									2.1	-8
-490		7 45	.2	-3.9	-5.1	-2.8	-3.3	-4.4	-3.3	-5.3	-4.5	-7.0	-6.7	-15.0									2.2	-9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS  
 PARAMETERS:  
 ALL DATA LISTED  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE D23

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-485	27 FEB 81	7 29	2.4	1.4	1.4	1.5	3.4	-4	.8	2.8	6.2	12.6	18.7	22.8	19.6	14.2	33.6		
-486		7 31	2.0	1.2	1.0	1.4	3.1	-1.0	-2	1.4	5.8	14.1	20.6	19.9	16.3	10.7	25.9		
-487		7 32	2.2	1.1	1.0	1.2	3.0	-4	.7	2.2	5.7	12.5	18.0	19.3	14.8	10.7	35.3		
-488		7 34	3.0	2.2	2.4	2.3	4.2	.6	1.7	3.1	6.5	13.5	19.4	23.0	20.5	14.9	34.4		
-491		7 51	3.4	2.4	2.7	2.7	4.7	.9	1.9	3.8	6.5	11.0	14.7	18.0	20.3	19.4	35.8		
-492		7 53	3.4	2.0	2.5	2.3	4.2	.7	1.8	3.6	6.5	11.0	14.5	18.2	20.2	19.2	36.2		

ESA STATISTICS:

MINIMUM	( -8.4	-7.1	-5.8	-5.1	-3.2	-4.4	-3.5	-2.5	-2.0	-2.1	-1.2	-.3	-.9	-3.9	14.8
MAXIMUM	( 7.5	8.9	7.9	9.0	10.3	16.1	23.3	28.5	27.8	30.3	31.9	29.2	34.9	35.5	49.2
AVERAGE	( .8	.6	.1	1.0	2.9	2.6	5.0	7.5	11.4	17.1	20.6	17.8	16.3	13.8	32.7
STANDARD DEVIATION	( 2.3	2.3	2.0	2.0	3.0	4.2	5.9	6.4	6.0	5.9	6.4	6.1	7.0	7.6	9.9
NUMBER OF DATA POINTS	( 393	399	399	398	399	399	399	399	399	399	398	399	399	399	399

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/3 + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 238 METERS  
 PARAMETERS:  
 ALL DATA LISTED  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 238 M  
 DATE 02 FEB 87  
 PAGE E23

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
		START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-106-485	27 FEB 81	7 29	10.5	6.1	3.7	2.5	.2	-9	1.7	3.0	-2.4	-6	-5				5.3	4.5
-486		7 31	6.2	1.2	-1.0	-9	-4	-9	-1.2								4.3	3.0
-487		7 32	8.0	4.8	3.0	2.2	.4	.2	2.5	3.0							5.0	4.5
-488		7 34	12.0	8.0	6.0	5.3	3.1	1.6	2.7	6.2	1.8	1.5					6.3	7.2
-491		7 51	17.2	15.0	14.8	15.0	13.4	11.8	12.3	11.4							6.4	12.5
-492		7 53	16.5	14.3	13.7	14.4	13.0	11.2	10.8	11.3							6.2	12.1

ESA STATISTICS:  
 MINIMUM (-7.0 -7.0 -7.0 -6.1 -5.8 -7.8 -7.4 -6.1 -7.0 -7.3 -10.7 -21.6 -16.3  
 MAXIMUM (34.1 32.3 31.1 30.4 30.3 27.6 28.2 28.9 25.4 27.1 19.9 11.5 9.0  
 AVERAGE (11.5 9.2 7.4 7.1 6.7 5.3 5.2 6.0 4.8 4.0 3.6 -1.6 -1.3  
 STANDARD DEVIATION (8.2 8.8 8.9 8.7 8.4 7.9 7.5 7.0 6.7 6.5 5.3 5.4 4.4  
 NUMBER OF DATA POINTS (399 399 399 399 399 396 367 359 279 282 212 160 80

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 423 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE 024

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-102-097	08 MAY 80	14 52	.7	-1.6	-1.8	-1.1	-1.0	-1.0	.2	4.9	13.4	21.7	34.8	26.5	14.3	12.0	4.4	25.9		
AA-102-100	09 MAY 80	14 34	1.0	-1.5	-1.5	-1.9	.0	.7	7.1	18.9	24.1	31.4	24.2	10.9	5.6	1.7	29.1			
AA-104-102	09 SEP 80	7 17	2.1	.8	.2	.9	2.5	4.4	10.3	19.0	26.1	23.3	11.3	4.6	.8	31.7				
-104		7 30	2.7	2.3	.7	1.7	2.5	3.8	8.6	17.9	25.0	30.4	17.5	13.4	9.6	34.0				
-106		7 40	2.5	2.1	.6	1.5	3.2	4.0	9.0	19.4	26.2	29.7	18.7	15.1	12.0	37.2				
-108		7 50	2.8	2.4	.7	1.8	2.6	3.8	8.0	17.6	25.1	31.2	21.3	17.5	13.9	30.9				
-110		8 1	2.4	2.0	.8	1.8	3.0	3.7	8.3	17.4	26.8	30.7	19.5	15.8	11.7	38.5				
-113		13 4	2.3	1.8	.4	1.2	2.0	2.7	8.3	17.1	22.7	28.8	11.3	6.2	3.4	25.5				
-115		13 16	2.5	2.1	.6	1.7	2.9	2.6	7.2	15.7	25.0	31.8	15.6	12.7	9.4	35.4				
-117		13 29	.0	.3	-1.3	.1	.5	1.6	5.5	14.8	22.1	28.2	27.3	13.5	9.2	30.9				
-119		13 47	1.3	1.3	-1.5	.8	.8	1.9	5.2	13.1	19.8	30.4	29.6	14.5	7.2	5.3	32.2			
-121		14 3	.0	-2	-1.9	-6	.3	1.8	7.6	16.8	21.6	30.6	25.8	11.9	9.7	7.2	31.3			
-123		14 13	1.2	.9	-8	.5	1.2	1.5	5.8	14.3	24.2	31.0	32.1	16.6	14.2	11.9	31.8			
-124		15 18	.9	.2	-1.0	.0	1.5	1.7	6.6	16.9	24.6	28.0	18.5	10.8	6.8	30.4				
AA-104-126	10 SEP 80	7 4	3.7	4.6	3.1	3.9	4.2	3.3	3.5	5.9	13.1	28.0	34.1	29.6	26.3	21.3	38.4			
-128		7 16	5.0	4.2	2.7	3.2	4.7	3.1	3.7	7.0	14.9	30.2	34.3	30.3	25.7	23.1	31.3			
-130		7 28	4.8	4.3	2.5	3.4	4.2	3.0	3.5	6.3	13.9	29.4	33.4	28.9	25.5	22.3	31.3			
-132		7 39	4.1	4.0	2.7	3.4	4.6	3.2	3.6	6.6	14.3	29.8	32.2	23.1	19.6	31.4				
-134		7 50	3.9	4.1	2.6	3.4	4.2	3.1	3.7	6.5	14.1	29.2	31.6	25.1	21.4	30.5				
-136		13 4	4.4	5.6	4.7	6.6	8.5	8.2	9.7	12.1	17.4	22.2	28.5	27.1	24.8	21.9				
-138		13 14	2.9	3.9	2.7	4.1	4.2	4.2	4.9	6.9	11.9	20.6	25.8	22.9	23.7	21.0	30.4			
-140		13 24	4.7	4.8	3.6	5.0	6.1	6.0	7.6	10.3	14.9	21.5	27.0	24.8	24.3	22.7	30.5			
-142		13 36	2.9	2.3	1.3	2.5	4.3	2.8	4.0	6.9	12.4	21.0	26.2	23.9	20.9	22.4				
-144		13 49	3.8	3.7	2.1	3.4	4.8	3.8	5.6	8.0	13.2	20.8	26.5	21.8	24.6	22.9	29.1			
AA-104-157	16 SEP 80	13 42	2.8	1.6	-3	.3	1.3	1.2	6.3	14.7	22.2	35.5	28.3	12.1	8.8	4.8	31.3			
-161		14 8	2.0	1.0	-1.2	-1.0	.3	1.4	6.6	14.1	21.9	33.9	26.4	9.0	5.2	2.7	24.1			
-162		14 11	1.0	.4	-1.6	-1.3	.1	2.0	7.1	14.5	22.9	33.1	25.7	9.3	3.4	-5	29.1			
-163		14 13	.9	.4	-1.6	-1.8	.1	2.0	7.4	14.3	21.2	32.7	26.1	8.5	2.2	-5	35.3			
AA-108-146		7 28	1.5	1.4	1.2	-1	.3	1.5	7.5	16.1	18.9	27.6	14.1	6.3	5.3	3.8	29.5			
-148		7 40	1.8	.9	.7	-2	1.1	.9	6.2	15.0	20.1	28.7	17.0	8.4	6.9	6.2	31.3			
-150		7 53	2.3	1.3	.8	.3	1.2	1.4	6.3	14.0	19.4	27.1	18.4	11.2	10.1	10.2	32.2			
-152		8 6	1.4	1.1	.6	.1	.3	1.3	4.6	11.9	18.0	23.3	18.3	11.7	8.9	7.1	30.4			
-154		8 21	1.9	1.4	.9	.1	.5	1.0	5.1	11.9	20.9	23.0	19.4	13.5	11.0	10.3	30.4			



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-SOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 423 M

DATE 02 FEB 87  
 PAGE E24

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-102-097	08 MAY 80	14 52	-3	-3.0	-3.3	.6	2.1	1.0	1.6							4.9	1.2
AA-102-100	09 MAY 80	14 34	-9	-3.5	-4.5	.1	1.6	-5	1.6	1.5	-1.6					4.7	-1.4
AA-104-102	09 SEP 80	7 17	-2.4	-3.6	-1.1	1.6	2.0	-1.8	2.2	3.6	.6					5.8	.8
-104		7 30	6.0	1.9	.8	4.4	-1.1	1.6	3.1	5.8	1.6					8.7	4.1
-106		7 40	10.1	6.4	3.0	1.7	4.0	4.2	1.2	2.4						9.4	5.4
-108		7 50	9.5	4.6	.6	-1.4	-2.7	-1.1	.0	-2	-1	-4.0				7.8	1.9
-110		8 1	6.3	.5	-3.1	-1.9	-1.4	1.3	3.9	4.3						7.9	2.1
-113		13 4	-1.1	-3.6	-2.2	.2	.8	-2.9	-6	.0						7.4	1.5
-115		13 16	4.2	-4	-2.5	.5	1.9	2.0	1.7	1.5						8.8	3.6
-117		13 29	4.5	1.3	-1.9	-1.5	-2.9	-5.6	-3.6	-1.8	-2.5					6.8	.8
-119		13 47	1.3	-2.3	-3.7	-8	-2	-1.8	-2.2	-1.2						6.7	1.4
-121		14 3	1.9	-1.8	-1.2	4.2	.6	.3	-7	-9						7.7	2.9
-123		14 13	7.8	3.5	-1	-3	1.6	.3	-1.3							8.4	4.4
-124		15 18	1.4	-2.9	-6.8	-6.3	-3.5	-2.6	-5.1	-3.9						6.0	-1.6
AA-104-126	10 SEP 80	7 4	18.0	16.8	15.2	16.5	15.5	12.0								9.4	16.4
-128		7 16	20.8	18.8	13.6	14.0	12.0	8.6								9.9	15.1
-130		7 28	19.4	18.4	16.5	17.1	15.6	12.8								9.4	16.8
-132		7 39	16.2	13.6	11.2	11.9	11.4	8.0								9.5	14.1
-134		7 50	18.7	16.1	13.4	14.4	13.5	10.6								9.6	15.9
-136		13 4	22.6	19.7	16.9	17.3	17.8									14.4	20.5
-138		13 14	17.8	15.2	12.3	13.2	12.8	9.7								9.6	14.5
-140		13 24	20.6	18.5	15.8	15.9	15.1	12.4								12.1	17.3
-142		13 36	19.2	16.3	14.0	15.3	15.2	12.4								9.2	15.4
-144		13 49	21.4	19.7	17.3	17.3	16.8	14.1								10.3	17.0
AA-104-157	16 SEP 80	13 42	.4	-7	.4	4.2	5.9	3.4	6.2							8.0	4.8
-161		14 8	.6	.9	2.1	5.1	4.4	2.9	3.3							7.8	5.1
-162		14 11	-2.3	-1.0	-3.3	3.4	3.3	1.5	3.1	3.6						7.1	3.0
-163		14 13	-2.3	-1.6	-5	3.3	2.8	.6	1.8	.7						7.0	2.4
AA-109-146		7 28	2.8	.1	-1.4	3.4	7.0	6.7	4.0	2.3						5.5	2.8
-148		7 40	4.1	.6	-3.7	-3.0	4.9	4.2	2.5	3.1	1.6	-3				5.5	1.3
-150		7 53	7.1	3.3	.1	-4	1.6	8.9	5.6	4.0	2.7	.5				5.8	3.0
-152		8 6	4.3	1.9	-7.9	-1.6	-2.3	-3.3	-4.6	-4.8	-6.2	-6.9				3.0	-2.2
-154		8 21	9.7	9.1	7.8	7.9	6.9	5.2	3.1	3.9	-1.8					6.0	6.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 423 M  
 DATE 02 FEB 87  
 PAGE D25

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-167	17 SEP 80	7 27	1.7	1.0	-1.1	-1.0	-0.8	-1.4	1.4	6.2	11.4	22.5	27.6	14.2	8.6	1.1	35.8		
-168		7 30	1.6	.4	-1.8	-2.0	-1.9	-3.5	.0	4.4	10.4	21.7	28.2	14.5	8.9	.0	32.6		
-169		7 33	1.5	.2	-1.9	-2.0	-1.9	-3.1	1.0	5.3	10.9	21.9	27.3	13.1	6.4	-4	30.4		
-172		8 4	.0	-3.0	-4.0	-4.6	-4.1	-4.6	-7	5.5	12.2	23.2	23.5	10.7	.3	-3.2	33.5		
-173		8 23	1.5	-1.2	-2.5	-3.3	-3.6	-4.0	-4	4.6	13.7	26.0	24.4	9.8	-1.0	-3.3	39.3		
-174		8 27	1.2	-1.7	-2.9	-4.0	-4.6	-4.6	-1.1	5.0	13.4	25.9	21.1	6.0	-4.3	-5.3	32.6		
-180		13 51	4.7	3.8	3.0	3.6	4.8	3.1	3.9	6.5	12.1	22.0	28.2	26.2	23.8	18.8	30.8		
-181		14 2	4.1	3.9	2.9	3.8	4.7	3.5	4.4	6.8	12.6	24.0	30.2	29.5	22.6	18.5	30.8		
-182		14 4	3.4	3.0	1.6	2.4	3.0	1.8	2.6	5.6	12.5	25.8	28.0	24.8	22.4	18.7	31.3		
-183		14 6	3.5	3.2	2.1	2.7	3.7	2.3	3.0	6.1	12.9	26.0	28.9	22.9	21.7	16.4	30.4		
-185		14 8	4.3	4.2	3.1	4.1	4.7	3.5	4.2	7.0	13.5	26.0	31.5	29.1	27.5	23.0	30.4		
-186		14 13	3.7	3.4	2.1	3.0	3.0	1.9	2.3	5.3	11.8	24.7	27.6	24.3	21.6	17.0	31.3		
-187		14 14	3.4	2.8	1.5	2.6	3.3	2.2	3.4	6.7	12.9	25.5	29.0	26.0	23.2	19.1	34.4		
AA-104-190	19 SEP 80	7 12	6.9	5.6	4.8	5.3	6.1	4.8	6.3	11.0	21.6	33.9	41.7	35.8	33.0	30.2	29.5		
-191		7 14	7.1	5.7	4.7	5.2	6.0	4.5	6.0	10.9	21.6	33.4	41.4	33.6	29.6	25.4	31.3		
-195		7 33	5.0	4.4	3.5	3.4	4.3	3.6	5.1	11.8	22.0	33.6	39.5	29.8	21.3	14.3	29.6		
-196		7 39	5.9	4.5	3.6	3.4	4.3	3.6	5.4	12.6	23.4	32.8	37.4	29.4	20.4	13.7	29.5		
-197		7 42	5.3	4.4	3.8	3.6	4.3	3.6	5.0	11.5	22.6	31.6	39.0	29.6	23.1	17.0	29.6		
-198		7 44	5.3	4.2	3.6	3.5	4.2	3.6	5.0	11.6	22.9	32.0	36.7	29.6	25.2	19.0	30.4		
-199		7 46	5.6	4.1	3.2	3.1	3.9	3.2	5.0	11.9	23.8	32.1	35.2	26.4	20.5	14.6	29.6		
-211		13 16	5.0	4.6	3.8	4.2	5.5	4.5	6.4	10.1	16.9	24.9	29.5	28.4	25.2	22.1	30.5		
-212		13 21	5.8	4.6	4.0	4.7	6.2	5.3	7.5	11.5	18.1	25.8	31.1	29.0	28.7	24.7	26.0		
-213		13 35	6.0	4.9	4.1	4.9	6.1	4.7	6.4	9.5	15.6	24.5	29.9	28.9	28.2	25.4	31.4		
AA-104-217	23 SEP 80	7 21	3.6	3.1	1.6	2.7	2.6	2.6	4.1	8.4	19.0	31.3	34.4	25.4	22.6	19.2	30.5		
-218		7 23	3.2	2.9	1.5	2.8	2.9	2.8	4.2	8.4	18.9	31.7	35.5	26.6	24.1	20.8	28.2		
-219		7 24	3.5	3.4	1.7	3.0	2.8	2.9	4.3	8.4	18.8	31.9	35.0	26.0	22.7	18.9	30.5		
-222		7 41	3.8	3.1	1.5	2.3	3.2	4.7	10.4	22.4	30.7	33.8	26.2	22.2	18.4	22.2	29.1		
-223		7 43	3.3	3.3	1.6	2.4	4.6	9.9	21.6	31.0	32.4	32.4	26.2	20.5	17.9	30.5	30.5		
-224		7 46	3.2	3.5	2.0	2.6	3.4	2.8	5.0	10.3	22.1	32.5	34.5	27.0	22.8	19.9	30.9		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081  
 DATABASE:  
 DISTANCE 423 M  
 DATE 02 FEB 87  
 PAGE E25

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)		
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000	
AA-104-167	17 SEP 80	7 27	-1.5	-1.5	-1.8	3.5	2.7	2.2	4.9	5.4							6.1	4.6
-168		7 30	-0.9	0.3	1.8	3.4	2.1	4.8	5.8	6.8							5.2	5.5
-169		7 33	-3.1	-1.6	1.4	2.7	2.2	4.9	6.3	6.7							5.5	4.7
-172		8 4	-2.9	-3.3	-1.6	0.9	-0.7	2.2	2.5	3.2							3.2	1.8
-173		8 23	-1.9	0.1	2.1	2.0	3.3	6.4	7.1	6.9							3.8	3.8
-174		8 27	-2.3	-1.5	0.8	1.1	1.1	4.3	4.6	5.3							2.8	2.1
-180		13 51	16.8	15.0	12.3	13.1	12.7	10.0	8.5								9.4	13.8
-181		14 2	15.5	14.0	12.3	13.4	13.0	10.3	8.7								9.8	14.1
-182		14 4	14.9	11.5	9.1	9.9	9.8	7.1	7.4	8.7							8.3	11.1
-183		14 6	11.0	8.1	5.6	6.1	6.3	3.9	3.9	4.8							8.3	8.4
-185		14 8	19.8	17.4	14.6	15.4	14.6	11.8									10.1	16.8
-186		14 13	13.0	11.4	9.1	9.8	9.4	6.7	8.4	10.0							8.0	10.7
-187		14 14	16.1	13.9	11.9	12.0	12.4	10.6									9.0	13.8
AA-104-190	19 SEP 80	7 12	27.6	24.2	21.3	23.2	20.7	15.4									12.5	20.7
-191		7 14	23.1	23.3	22.6	22.3	19.7	15.0									12.3	20.3
-195		7 33	8.3	4.7	4.5	4.0	11.8	8.2	10.1								10.9	9.4
-196		7 39	10.2	7.1	5.9	8.4	5.5	9.0	7.9								11.2	10.5
-197		7 42	11.1	6.3	3.0	5.8	10.0	10.9	9.0	10.1							10.9	9.4
-198		7 44	12.7	6.3	1.7	1.4	7.2	6.0	5.1	10.3							10.1	6.9
-199		7 46	10.7	7.5	4.0	3.5	10.1	7.6	7.3	11.2	9.0						10.6	8.8
-211		13 16	19.0	16.8	15.2	17.0	16.6	13.9									11.8	17.8
-212		13 21	22.2	19.8	17.6	18.0	17.7	14.6									12.9	19.2
-213		13 35	23.7	21.2	19.6	19.5	19.4	16.9									11.6	18.6
AA-104-217	23 SEP 80	7 21	16.4	12.9	10.0	10.8	9.3	5.6	3.6	2.9							9.1	10.5
-218		7 23	17.5	16.7	13.6	13.8	12.1	8.5	6.3								9.5	14.0
-219		7 24	16.7	14.8	13.0	13.9	12.8	9.5	6.4								9.5	14.0
-222		7 41	14.5	11.2	9.9	11.3	9.0	5.9	4.0	3.2							9.6	10.2
-223		7 43	16.0	13.1	10.4	10.6	8.4	5.0	1.7								9.5	10.4
-224		7 46	18.7	16.9	14.3	14.1	12.1	7.8									10.2	15.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 423 M  
 DATE 02 FEB 87  
 PAGE D26

START ( TIME ( )  
 HR-MIN ( )

1/3 OCTAVE BAND FREQUENCY (HZ)

SAMPLE DURATION (SEC)

TEST NO.	DATE	START TIME (HR-MIN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12	4.9	4.5	2.7	3.5	4.1	3.6	6.0	10.6	21.8	33.3	37.9	31.1	28.6	26.4	31.8
-240		7 13	5.0	4.3	2.9	3.9	4.3	3.8	6.0	10.5	21.1	33.2	38.7	31.1	28.8	26.7	31.8
-241		7 15	4.8	4.1	2.4	3.2	3.7	3.2	5.5	10.2	21.4	33.1	37.5	29.8	26.9	25.3	30.4
-242		7 16	4.6	4.0	2.5	3.3	3.6	3.2	5.4	9.8	21.0	34.4	38.8	29.6	26.3	24.7	31.3
-249		7 39	4.2	3.8	2.3	3.2	3.6	3.3	5.4	11.0	22.9	33.1	37.3	28.7	25.3	24.4	30.9
-250		7 40	4.4	3.8	2.1	3.1	3.6	3.0	5.5	11.1	23.5	33.0	36.1	27.3	23.9	23.1	32.3
-251		7 42	4.1	3.7	2.0	2.8	3.3	3.1	5.4	11.0	24.1	32.4	36.2	29.1	26.3	24.0	32.7
-252		7 43	4.2	3.5	1.8	2.6	3.0	2.9	5.5	11.0	24.1	32.8	36.0	29.6	27.5	25.7	31.8
-253		7 45	4.5	3.8	2.3	3.1	3.6	3.4	5.7	11.1	23.3	33.6	37.5	28.6	26.1	24.6	31.8
-255		7 48	3.9	3.2	1.7	2.5	2.9	2.6	5.2	10.5	23.1	33.2	37.4	29.5	26.0	23.0	45.2
-256		7 49	3.5	3.2	1.8	2.6	3.0	2.6	5.2	10.5	23.2	32.9	36.0	29.1	26.4	23.1	35.8
-262		15 17	2.4	2.4	.9	2.0	1.8	2.2	3.3	6.6	15.5	29.3	30.9	24.0	21.2	18.7	32.7
-263		15 18	1.6	1.4	.0	.9	.6	2.2	3.9	10.3	20.7	25.6	29.8	18.5	16.7	13.4	32.2
-264		15 24	3.4	3.1	1.5	1.6	1.1	1.6	1.3	4.3	13.1	25.9	26.4	18.0	16.6	15.4	22.9
-265		15 26	1.3	1.3	-2	.3	.0	.7	1.3	5.4	15.7	28.2	30.5	19.8	12.3	9.8	32.2
-266		15 28	1.7	1.4	-5	.3	-.3	.2	1.3	5.6	17.2	29.1	30.3	17.7	14.6	11.7	33.1
AA-104-272	25 SEP 80	7 30	1.2	1.4	.0	1.0	1.3	1.2	4.6	12.3	23.6	31.3	33.0	22.0	18.5	13.4	40.7
-273		7 32	.9	.6	-.7	.3	.6	.7	4.0	11.3	24.4	31.4	34.5	22.4	16.9	12.7	32.2
-274		7 34	.9	.7	-.7	.0	.4	.3	3.6	10.8	24.8	29.8	33.5	23.7	18.8	14.4	32.7
-275		7 36	2.0	1.6	.2	.9	1.1	1.0	4.0	10.7	24.7	30.1	33.7	25.5	21.0	17.9	36.7
-276		7 38	2.6	1.7	.2	1.0	1.7	1.6	4.5	10.9	25.1	32.1	34.0	25.8	23.5	20.3	30.4
-279		8 0	2.4	1.7	.2	1.0	1.6	1.2	4.3	10.6	25.5	29.9	33.8	27.2	25.0	22.5	32.6
-280		8 2	2.5	1.7	.2	.9	1.5	1.1	4.2	10.5	25.2	30.5	34.5	26.8	23.5	19.5	40.2
AA-104-286	30 SEP 80	14 30	2.1	1.7	.5	1.4	2.5	2.1	5.3	11.4	20.6	24.4	26.7	19.9	13.6	11.6	31.3
-287		14 31	1.5	1.0	-.4	.4	1.9	1.9	5.4	13.0	23.0	26.1	26.9	17.2	11.4	10.3	26.8
-288		14 33	1.2	.4	-.4	1.0	2.6	3.0	6.7	13.5	21.4	26.9	29.1	18.4	12.8	12.5	29.9
-289		14 34	3.1	1.9	.8	1.7	2.7	2.9	6.2	12.0	20.4	26.2	28.0	19.2	13.2	13.0	30.9
-290		14 37	2.8	2.6	2.0	3.5	5.0	5.0	8.9	15.3	25.1	31.1	32.0	21.7	16.3	16.7	32.6
-296		15 13	1.5	1.7	.0	.6	2.3	1.9	6.4	13.0	19.6	26.0	27.4	17.4	11.3	11.0	30.8
-297		15 25	1.8	1.5	.4	.7	2.1	2.0	6.6	14.7	22.8	29.1	29.3	16.3	9.4	9.3	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 423 M  
 DATE 02 FEB 87  
 PAGE E26

TEST NO.	DATE	START TIME (MR-NN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000		
AA-104-239	24 SEP 80	7 12	26.3	24.1	22.0	22.8	23.0	20.6									10.5	20.7	
-240		7 13	26.1	24.8	22.1	22.4	22.8	20.2										10.7	20.7
-241		7 15	24.2	21.2	18.7	20.6	19.5	16.9										10.3	19.4
-242		7 16	24.6	23.1	21.1	21.9	20.7	18.1										10.1	19.8
-249		7 39	22.2	20.3	19.9	20.7	18.6	16.1										10.2	19.2
-250		7 40	22.6	21.5	19.6	20.4	19.1	16.4										10.3	19.4
-251		7 42	23.4	22.3	20.3	21.9	21.1	17.7										10.1	19.9
-252		7 43	24.6	24.1	21.2	22.0	19.3	15.1										10.1	19.6
-253		7 45	22.2	20.1	18.8	19.9	17.7	14.0										10.5	18.8
-255		7 48	22.3	20.3	17.8	17.3	14.9	11.4										9.8	17.3
-256		7 49	22.6	20.1	18.3	19.0	17.2	13.7										10.0	18.4
-262		15 17	16.4	15.4	13.1	13.8	12.9	10.0										8.0	14.5
-263		15 18	12.1	10.0	8.6	9.1	7.7	3.9	1.7									8.3	10.0
-264		15 24	13.8	12.6	10.8	11.5	10.7	7.5										5.6	11.9
-265		15 26	8.5	7.2	5.1	5.8	6.7	5.1										6.1	9.6
-266		15 28	9.7	7.2	4.8	5.4	4.6	1.3	1.5	2.5								6.2	7.0
AA-104-272	25 SEP 80	7 30	8.7	4.6	-6	-3.1	-5.8	-7.4	-1.8	-2.2	-4.6	-3.4						5.6	-9
-273		7 32	10.7	7.8	3.5	1.4	-1.5	-3.9	2.3	5.0	-2.0	-4.5						6.8	2.9
-274		7 34	10.7	8.6	7.4	6.5	3.2	-8	1.5	-3.4								7.6	6.7
-275		7 36	15.0	12.3	8.7	5.8	1.3	-3.9	-5.5	-3.9	-2.2							7.1	2.7
-276		7 38	17.6	16.6	13.4	11.5	8.6	5.0	5.0	6.8								9.0	11.4
-279		8 0	21.2	21.0	19.2	19.2	16.5											9.0	18.7
-280		8 2	18.8	16.0	13.4	14.2	14.5	11.6										9.0	15.8
AA-104-286	30 SEP 80	14 30	10.7	9.4	8.1	9.3	9.1	7.0										8.5	11.7
-287		14 31	9.8	8.3	6.3	6.9	5.8	2.7	1.0									9.3	8.8
-288		14 33	11.4	10.1	8.9	9.9	9.5	7.0										10.3	12.7
-289		14 34	11.8	10.5	9.1	10.2	9.3	6.8	6.9	8.8								10.0	11.3
-290		14 37	15.5	14.3	12.7	13.6	13.4	11.4										13.0	16.8
-296		15 13	9.3	7.2	5.7	6.6	6.3	3.9	2.9									9.0	8.4
-297		15 25	7.9	6.5	5.2	5.8	5.4	3.3	3.3									9.8	8.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 423 M  
 DATE 02 FEB 87  
 PAGE 027

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-104-304	01 OCT 80	7 17	.2	-1.1	-2.0	-1.6	1.5	1.6	9.7	19.9	25.9	31.9	23.0	14.5	10.9	6.0	31.3			
-305		7 19	.2	-1.7	-2.8	-2.5	.4	1.0	10.3	16.9	21.9	28.0	22.1	8.9	3.9	1.2	31.7			
-306		7 21	-.4	-1.6	-2.7	-2.1	.9	1.3	10.0	15.9	22.7	25.9	17.4	5.4	1.8	.9	30.8			
-307		7 22	-.1	-1.7	-2.4	-1.8	1.1	1.9	11.0	17.3	25.4	28.3	13.7	1.9	-1.2	-.4	32.6			
-308		7 24	-.2	-1.3	-2.4	-2.1	.9	1.7	11.8	16.4	23.7	28.0	16.1	3.4	-1.5	-3.2	31.3			
-314		7 44	1.5	.3	-.6	-.1	2.2	2.4	10.4	19.3	29.0	34.9	23.6	11.8	6.9	2.4	30.8			
-315		7 46	1.6	-.5	-1.5	-.5	1.9	2.2	10.1	18.6	28.5	36.1	23.3	10.8	6.7	2.9	31.3			
-316		7 47	1.2	-.1	-.9	-.6	1.8	2.2	10.0	18.9	28.0	35.3	24.3	11.6	5.1	.8	31.3			
-317		7 49	1.2	-1.1	-1.7	-1.1	1.7	1.7	9.9	20.8	28.3	36.6	27.0	15.9	10.9	6.8	26.8			
-318		7 50	1.2	-1.0	-1.7	-1.1	1.2	1.4	9.2	19.5	26.4	33.2	23.4	11.2	6.5	2.9	33.5			
-324		8 15	2.0	1.1	.1	.6	2.3	2.1	7.9	18.2	26.3	36.5	29.5	18.1	14.2	10.2	34.0			
-325		8 17	1.4	-.2	-1.2	-.6	1.3	1.5	7.8	18.1	26.1	33.4	23.9	12.0	9.9	6.9	34.0			
-326		8 18	.8	.0	-1.0	-.2	1.7	1.7	8.5	19.5	25.3	33.0	23.9	12.8	8.5	4.7	32.2			
-327		8 20	.8	-.1	-1.5	-.8	1.1	1.1	7.8	19.1	22.9	30.3	24.0	12.8	9.3	6.5	31.3			
-328		8 22	1.5	.5	-.5	.0	1.5	1.6	7.4	18.6	24.0	31.0	24.0	13.9	10.8	7.6	30.4			
-329		8 24	.6	-.3	-1.3	-.6	1.1	1.1	6.7	17.3	24.4	30.3	23.7	13.2	10.8	9.0	33.5			
AA-106-336	16 DEC 80	7 51	3.9	4.5	3.5	2.8	3.9	2.3	3.4	7.1	15.2	27.1	29.0	24.6	22.1	19.7	32.2			
-337		7 53	3.1	3.9	3.0	2.6	3.8	2.3	3.6	7.0	14.5	25.8	29.2	26.0	24.4	21.0	34.0			
-338		7 56	3.8	4.3	3.8	3.5	4.9	3.7	5.0	8.4	15.0	26.2	31.1	29.0	27.2	24.5	38.1			
-339		8 7	3.5	4.2	3.5	3.2	4.6	3.2	4.2	7.2	13.9	26.1	29.1	27.4	26.0	23.3	33.1			
-340		8 9	4.5	4.6	3.7	3.3	4.6	3.2	4.5	7.8	14.7	25.4	29.1	27.3	25.4	22.7	35.4			
-341		8 11	4.6	4.6	3.7	3.1	4.3	2.6	4.1	7.5	14.3	25.3	29.2	27.9	26.4	23.0	33.6			
AA-106-360	17 DEC 80	13 42	.1	.6	-.5	-1.6	.5	-1.7	.8	6.5	18.6	26.6	26.7	18.8	14.7	10.9	33.5			
-361		13 45	.5	.4	-.4	-1.4	.6	-1.3	1.9	8.3	18.4	26.0	26.3	17.5	12.2	7.8	34.9			
-362		13 50	-.6	.1	-1.1	-2.7	-.4	-2.5	1.5	10.2	19.9	27.8	27.4	18.1	12.4	6.5	32.2			
-363		13 54	-.5	-.6	-1.8	-2.9	-.4	-2.2	2.2	11.1	18.8	26.2	24.2	13.9	8.1	2.7	29.5			
-364		13 57	-.9	-.6	-1.8	-3.0	-.8	-3.0	.7	8.3	19.2	26.9	26.2	15.7	9.0	3.7	34.4			
-365		14 1	.1	.5	-.6	-2.1	.3	-1.7	2.5	10.2	21.9	28.6	27.2	18.4	11.9	6.8	33.5			
-366		14 6	.2	.6	-.7	-2.0	.1	-1.9	2.4	9.5	18.9	26.2	26.7	18.3	13.7	9.4	33.5			
AA-106-391	09 JAN 81	14 38	-.8	-1.7	-1.0	2.8	14.7	20.5	26.0	29.6	29.6	23.9	18.7	15.5	14.0	11.6	15.7			
-392		14 42	-1.4	-2.4	-1.3	2.7	16.1	21.0	24.1	27.0	26.1	20.6	15.1	11.5	7.9	4.7	37.6			
-393		14 44	-.8	-2.3	-1.4	2.8	15.7	19.5	23.4	26.3	24.5	19.2	14.8	12.0	8.5	6.1	29.1			
-394		14 45	-1.0	-2.3	-1.0	2.8	15.8	21.5	25.0	28.9	28.3	22.1	15.5	14.0	11.7	8.9	37.2			
-395		14 47	-1.3	-2.6	-1.2	2.9	15.3	22.0	24.2	27.2	26.2	20.4	13.4	10.6	8.3	5.7	25.5			
-396		14 49	-1.5	-2.6	-1.7	2.2	15.2	21.4	24.6	25.9	25.7	20.8	15.2	11.4	9.1	5.8	26.3			
-397		14 50	-1.2	-1.9	-1.1	2.2	15.4	23.0	24.7	27.8	28.5	22.5	17.9	15.0	11.8	8.1	24.6			
-398		14 52	-1.1	-2.0	-1.0	2.8	15.8	21.3	25.4	27.0	26.4	21.8	16.9	14.6	12.5	10.4	33.2			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/3R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 423 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E27

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL AL (DB) (DBA)					
			630	690	800	1000	1250	1600	2000	2500	3150	4000	5000	6300		8000	10000			
AA-104-304	01 OCT 80	7 17	3.2	3.0	-1.3	-3.4	-5	1.8	.7	3.2									7.0	2.0
-305		7 19	1.5	2.3	-2.7	-3.2	-1.2	.6	2.4	3.7	1.4								6.1	1.3
-306		7 21	3.2	.3	-2.8	-3.4	-2.6	-1.0	.7	.8	-1.1								5.6	.4
-307		7 22	2.4	-3.7	-4.4	-4.2	-3.3	-3.8	-.8	.7	-.5								4.6	-1.3
-308		7 24	-1.7	-1.3	-4.4	-3.3	-2.4	-3.6	-1.8	.4	-.8	-2.8							4.3	-1.5
-314		7 44	.3	.2	-.3	.8	5.1	3.2	5.2	6.7									7.7	3.2
-315		7 46	.8	-.7	-1.4	-1.1	4.9	.7	4.6	7.5									6.8	2.3
-316		7 47	-1.7	-2.6	-.4	3.2	5.3	.5	2.2	5.6									7.1	2.3
-317		7 49	3.0	.0	1.9	10.6	7.9	4.0	7.1										8.5	5.7
-318		7 50	.6	-2.4	-2.9	5.8	2.8	-2.7	1.9	1.6	.8								6.4	1.4
-324		8 15	7.1	2.5	-1.7	-4.3	-4.9	-3.7	.7	1.7	1.4								6.5	.1
-325		8 17	4.6	-.3	-3.4	-3.2	-1.5	-.8	1.2	1.6	2.1								6.4	.7
-326		8 18	1.7	-2.5	-5.2	-5.3	-3.6	-2.5	-3.4	-3.1	.2	-6.4							4.8	-2.1
-327		8 20	5.4	1.8	-.7	-2.8	-4.5	-5.9	-3.9	-.7	-.2	-3.3							5.8	-.5
-328		8 22	4.9	1.0	-2.0	-2.6	-3.0	-4.1	-3.9	.9	1.0	-2.6							6.0	-.2
-329		8 24	7.7	4.8	2.6	1.0	-1.5	-4.1	-3.5	-1.5	.1								6.8	1.8
AA-106-336	16 DEC 80	7 51	16.5	19.9	12.8	13.1	11.9	10.0	8.9	7.5									9.2	13.1
-337		7 53	19.0	18.0	16.9	16.5	15.1	13.2	11.2	10.2									9.2	15.2
-338		7 56	22.0	20.2	19.6	19.5	18.3	16.6											10.6	18.7
-339		8 7	20.6	19.0	18.4	18.4	17.0	15.2											9.7	17.4
-340		8 9	20.7	18.6	17.4	17.9	16.7	15.3											9.9	17.5
-341		8 11	20.7	20.2	18.7	18.6	17.3	15.6											9.8	17.9
AA-106-360	17 DEC 80	13 42	6.3	2.7	2.0	2.4	-.7	-1.1	.7	1.9									6.0	4.2
-361		13 45	4.3	2.2	1.5	1.2	.5	-.2	.4	1.6									6.7	4.1
-362		13 50	1.5	-1.5	.2	3.2	2.2	1.7	3.4	3.5									6.2	4.0
-363		13 54	-.1	-2.2	-2.5	.3	1.0	-.9	-.8	.0									5.5	2.0
-364		13 57	-.2	-3.0	-3.0	-.7	-.8	-1.6	-1.7	-1.0	-7.0								4.7	.5
-365		14 1	3.9	.9	.3	1.1	.9	1.1	2.0	4.3									6.5	4.2
-366		14 6	6.0	2.6	1.5	1.7	1.5	2.0	2.8	3.9									6.7	5.3
AA-106-391	09 JAN 81	14 38	7.9	5.2	3.4	1.4	-2.2	-6.0	-7.7	-6.7	-6.8								3.6	-1.0
-392		14 42	1.0	-.9	-1.4	-1.5	-3.8	-6.2	-5.3	-5.6									2.3	-1.9
-393		14 44	3.5	2.4	1.7	.8	-2.4	-5.9	-7.7										3.9	-.3
-394		14 45	5.4	3.6	2.5	1.1	-2.5	-6.0	-7.8	-8.3									3.3	-1.2
-395		14 47	2.7	1.5	.9	-.2	-3.7	-6.7	-6.8	-6.2									3.0	-1.5
-396		14 49	2.0	.1	-.8	-1.4	-4.0	-6.0	-6.5	-6.4									2.4	-1.8
-397		14 50	3.7	.8	-1.0	-2.7	-5.9	-7.4	-6.5	-5.6									1.9	-2.6
-398		14 52	6.2	3.5	2.5	1.7	-.8	-2.8	-4.7	-6.4									4.8	.6

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-001

EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 423 M

DATE 02 FEB 87  
 PAGE D28

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-403	13 JAN 81	8 23	-1.1	-1.5	-1.3	4.1	15.7	19.9	21.5	21.1	19.6	15.8	8.9	5.9	2.6	-1.3	35.4		
-405		8 26	-2.2	-2.0	-1.7	3.6	15.0	20.3	24.3	22.7	20.6	15.6	9.6	5.3	1.4	-1.9	36.8		
-406		8 27	-2.1	-2.0	-1.5	3.5	15.6	18.7	21.8	21.2	19.4	15.9	10.6	7.6	3.6	.9	33.8		
-410		8 45	-2.4	-2.2	-1.6	3.8	15.7	18.3	20.7	20.4	19.4	14.1	8.8	6.2	3.0	-1.3	23.3		
-411		8 47	-1.0	-1.6	-1.0	4.2	16.4	20.5	22.8	23.3	23.2	18.6	11.9	8.3	3.9	.5	36.3		
-412		8 50	-2.6	-2.6	-1.7	3.9	15.6	18.9	20.6	20.4	19.0	14.3	9.2	6.6	2.4	-1.8	28.7		
-418		13 31	-.9	-1.5	-.8	3.1	15.1	24.1	22.9	22.9	22.7	18.3	12.4	10.6	9.8	8.0	34.6		
-419		13 35	-.9	-1.3	-.7	3.1	15.4	24.1	25.1	25.2	25.6	20.7	15.6	13.1	9.8	6.6	34.1		
-420		13 37	-.6	-1.7	-.9	3.4	15.3	24.0	23.8	23.2	21.8	18.9	13.0	10.3	7.3	4.2	17.5		
-421		13 39	-.6	-1.5	-.4	4.1	17.2	20.1	23.2	23.3	24.1	18.8	13.6	11.3	9.5	7.1	34.6		
-422		13 40	-1.5	-1.8	-1.0	3.3	15.6	21.9	22.7	22.2	22.7	17.2	10.9	8.5	5.9	4.9	35.5		
-423		13 42	-.9	-1.6	-.6	3.2	14.8	24.0	25.0	26.5	26.2	22.0	16.9	15.1	13.0	11.4	38.6		
AA-106-424	15 JAN 81	8 33	.2	-1.2	-.7	2.2	13.0	25.1	27.8	27.6	24.2	20.9	18.1	16.3	14.8	13.7	35.4		
-430		8 34	.1	-1.0	-.6	2.3	13.0	24.9	27.9	28.5	26.1	21.8	19.5	18.6	17.0	15.2	34.5		
-431		8 36	.0	-1.2	-.7	2.3	13.0	24.6	26.9	27.7	26.2	22.5	19.4	17.7	16.5	15.0	35.4		
-432		8 37	-.3	-1.2	-.7	2.2	13.0	25.1	27.7	28.2	26.3	22.6	20.2	18.3	16.8	15.1	34.5		
-433		8 39	-.2	-1.3	-.8	2.1	13.2	24.8	27.1	26.4	23.9	21.8	19.4	16.6	14.0	12.7	35.4		
AA-106-438	03 FEB 81	9 38	2.2	-.9	-1.3	-1.8	3.0	4.6	16.2	21.1	23.7	25.8	10.7	.5	-1.3	-1.9	35.4		
-439		9 43	1.4	-1.1	-1.9	-2.3	1.9	2.5	15.8	22.8	26.2	29.5	14.3	1.3	-3.1	-5.6	35.4		
-440		9 48	1.5	-.8	-1.7	-2.0	2.0	1.8	12.9	22.5	28.9	30.9	19.6	8.0	3.8	-1.4	29.2		
AA-106-446	04 FEB 81	8 38	1.2	-1.4	-1.9	-2.3	1.8	2.9	8.8	16.2	26.5	28.7	16.6	8.0	6.4	1.6	37.6		
-447		8 40	.9	-1.9	-2.2	-2.5	1.0	3.3	12.7	21.0	25.0	26.7	10.6	1.9	-1.1	-3.6	38.5		
-448		8 41	1.2	-1.3	-1.7	-2.0	1.5	3.2	10.0	15.7	25.6	27.8	14.8	6.5	4.2	1.3	38.1		
-449		8 43	1.6	-.8	-1.2	-1.5	1.9	3.7	10.7	17.5	27.9	29.7	19.8	9.7	6.2	1.8	37.6		
AA-106-455	12 FEB 81	13 56	1.2	-.5	-1.3	-1.6	2.6	4.3	14.5	17.5	25.7	28.0	19.0	10.3	7.6	4.7	34.5		
-456		13 58	1.5	-.1	-.6	-.9	3.0	4.1	15.4	17.7	26.2	30.8	22.4	14.4	12.2	9.8	35.4		
-457		14 1	.4	-1.0	-1.8	-1.5	2.7	4.2	13.7	19.1	27.5	30.5	22.2	14.1	12.6	10.4	34.5		
-458		14 6	1.2	-.8	-1.4	-1.5	1.9	3.0	16.2	19.5	26.5	30.3	22.8	15.3	14.4	12.3	20.1		
AA-106-464	25 FEB 81	8 33	4.1	3.3	2.4	2.4	3.9	.8	2.2	6.3	14.2	23.1	25.7	26.6	25.5	22.6	33.1		
-465		8 34	3.9	3.2	2.4	2.5	4.3	1.1	2.7	7.1	15.5	24.4	28.3	27.3	25.5	21.1	33.5		
-466		8 36	3.4	2.5	1.4	1.2	2.8	-.3	1.0	5.4	13.8	23.8	26.8	25.6	22.8	16.9	32.2		
-467		8 37	3.6	2.7	1.7	1.7	3.4	.2	1.6	6.0	14.0	23.3	26.2	25.8	25.0	21.2	34.4		
-468		8 39	3.4	2.7	1.7	1.8	3.6	.3	1.8	6.4	14.9	23.4	26.6	26.8	24.8	20.3	33.5		
-474		13 16	3.6	3.5	2.4	3.0	4.3	1.6	2.7	6.1	12.0	18.6	19.5	19.5	22.0	20.7	33.9		
-475		13 18	3.0	2.6	1.5	2.3	3.8	1.6	3.4	6.8	12.4	18.5	20.8	21.5	24.3	22.0	33.6		
-476		13 19	3.1	2.8	2.2	3.4	5.2	3.1	4.8	8.3	14.0	19.5	20.6	21.2	24.8	25.0	33.1		
-477		13 25	2.5	2.6	1.4	2.1	3.8	1.8	3.4	6.8	13.4	21.2	22.1	22.4	23.9	22.1	35.8		
-478		13 29	3.3	3.2	2.4	3.0	4.7	3.1	5.3	8.8	14.7	20.5	22.3	21.9	23.9	22.1	35.8		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 423 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E28

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1500	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	0 23	-1.9	-4.1	-3.3	-3	-5	-2.9	-4.6	-3.1	-7.3					3.7	-1.7
-405		0 26	-2.6	-2.4	.0	.4	-2	-3.7	-7.0							4.0	-8
-406		0 27	-2	-1.2	.3	3.1	2.4	-6	-2.7	-1.1						5.9	1.3
-410		0 45	-2.3	-4.4	-3.4	-1.1	-1.5	-3.3	-7.0							3.4	-1.8
-411		0 47	-1.3	-2.5	-9	1.7	1.2	-7	-9.3	-2.1	-5.6					4.6	-2
-412		0 50	-2.0	-3.5	-2.0	.5	.8	-1.9	-5.3							4.3	-5
-418		13 31	5.1	1.8	-1.1	-1.4	-1.6	-7	-2	-2.6						5.3	.9
-419		13 35	3.4	.5	.0	1.5	2.8	1.6	-2.7	-2.3	2.1					6.3	2.1
-420		13 37	1.2	-4	-3	1.7	2.2	-5	-2.5	-1.9						5.5	1.4
-421		13 39	4.8	2.5	2.6	3.9	3.8	2.5	.4	.2						8.0	4.1
-422		13 40	2.4	-5	-1.1	-4	-4	.0	-1.6	-2.3	.9					5.6	.9
-423		13 42	8.7	5.2	2.7	.9	-1.6	-1.6	.2	-.2						7.3	2.5
AA-106-429	15 JAN 81	0 33	11.7	10.6	9.7	6.5	2.0	-2.2	-5.6	-6.8	-9.1	-9.2				3.8	.0
-430		0 34	12.6	10.9	9.3	6.7	2.9	-7	-3.7	-5.4	-8.6	-9.0				4.7	1.0
-431		0 36	12.4	10.7	9.5	6.8	2.9	-9	-4.2	-5.9	-9.2	-9.7				4.3	.6
-432		0 37	12.5	10.4	9.2	6.8	3.0	-8	-3.7	-5.4	-8.9	-10.0				4.3	.6
-433		0 39	10.1	8.0	6.1	3.3	-5	-4.3	-7.3	-8.4	-10.6	-10.9	-14.5			.9	-2.9
AA-106-438	03 FEB 81	9 38	-2.0	-4.7	-1.9	1.3	.6	1.3								4.7	.1
-439		9 43	-4.0	-5.0	-2.9	.4	-1.8	1.2								3.4	-1.3
-440		9 48	-3.1	-3.3	-1.6	.7	2.1	2.5								5.5	1.0
AA-106-446	04 FEB 81	0 38	-2.0	-3.7	-2.1	1.2	1.7	3.2	4.6							5.6	.9
-447		0 40	-5.0	-4.6	-2.7	-8	-1.5	1.1	1.7	1.9						3.5	-1.4
-448		0 41	-1	-1.9	-3.0	-1.4	1.4	2.0	1.1	1.0						5.5	.7
-449		0 43	-6	-1.9	-2.0	.5	2.8	3.0	3.4							6.3	1.5
AA-106-485	12 FEB 81	13 56	2.1	.5	1.1	1.9	1.7	.7	.2							7.8	3.6
-456		13 58	8.9	7.6	6.8	6.0	3.4	1.3	-1.0	-1.5						8.7	5.3
-487		14 1	8.8	6.4	4.7	3.6	1.7	1.1								8.7	6.3
-498		14 6	11.6	9.3	7.8	6.9	4.2	1.9	-7	-7						8.4	6.1
AA-106-464	25 FEB 81	0 33	17.6	12.9	12.2	12.9	11.3	8.7								8.6	14.2
-465		0 34	16.9	12.4	10.9	10.9	8.6	5.7	.9							8.8	10.8
-466		0 36	11.1	5.4	3.4	2.9	.2	-2.9	-6.0	-8.0	-12.4					5.5	.6
-467		0 37	16.6	12.8	12.0	12.7	10.5	7.3	3.9							8.1	12.4
-468		0 39	16.8	13.9	12.4	11.8	9.3	6.4	3.4							8.4	12.0
-474		13 16	18.3	14.8	13.1	13.9	12.7	10.4								8.5	14.6
-475		13 18	18.8	15.3	13.4	13.4	11.8	10.5								8.9	14.8
-476		13 19	21.9	19.0	18.3	18.2	16.8	14.8								10.4	17.7
-477		13 26	18.6	14.8	13.2	12.9	11.5	9.6								8.9	14.9
-478		13 29	19.7	15.8	13.4	13.2	11.4	9.6								10.6	15.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 423 M  
 DATE 02 FEB 87  
 PAGE D29

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-485	27 FEB 81	7 29	3.3	1.8	.9	.7	3.0	-.7	2.0	8.3	20.6	23.9	32.0	27.3	23.3	18.3	33.5		
-486		7 31	2.9	1.8	.4	.6	2.7	-.9	3.1	10.4	17.0	23.0	30.8	23.7	18.5	13.0	34.4		
-487		7 32	2.9	1.5	.3	.2	2.2	-.9	2.1	8.7	18.6	22.0	29.2	23.1	17.2	12.3	35.3		
-488		7 34	3.2	2.2	1.6	1.4	3.8	.3	3.5	10.6	18.7	22.3	32.5	27.3	22.1	18.0	34.4		
-491		7 51	5.1	4.0	3.1	3.3	5.2	1.2	3.0	6.4	14.6	22.9	25.7	27.0	25.5	24.2	16.2		
-492		7 53	4.4	3.3	2.9	2.6	5.0	.9	2.9	6.9	15.4	24.3	27.8	26.9	23.8	22.8	23.1		

ESA STATISTICS:

MINIMUM	( -2.6	-3.0	-4.0	-4.6	-4.6	-4.6	-1.1	4.3	10.4	14.1	8.8	.5	-4.3	-5.6
MAXIMUM	( 7.1	5.7	4.8	6.6	17.2	25.1	27.9	29.6	29.6	36.6	41.7	35.8	33.0	30.2
AVERAGE	( 2.0	1.3	.5	1.4	4.3	4.9	8.4	13.6	20.7	26.9	26.1	18.6	15.4	12.3
STANDARD DEVIATION	( 2.0	2.3	1.9	2.2	4.9	7.3	7.4	6.6	4.9	5.1	7.6	6.0	8.7	8.7
NUMBER OF DATA POINTS	( 173	173	173	173	173	173	173	173	173	155	173	169	173	173

) TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 ) LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 ) DISTANCE FROM SOURCE 423 METERS  
 )  
 ) PARAMETERS:  
 ) ALL DATA LISTED  
 )  
 ) DATABASE:  
 )  
 ) DISTANCE 423 M )  
 )  
 ) DATE 02 FEB 87 )  
 ) PAGE E29 )

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MIN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	13.7	8.9	6.3	4.1	.3	-1.9	-1.6	-1.4						7.9	5.4
-486		7 31	8.7	4.1	1.8	.5	-1.8	-3.6	-3.3	-1.7						7.2	3.2
-487		7 32	9.7	6.6	4.1	1.8	-1.8	-3.3	-2.0							7.4	4.5
-488		7 34	15.5	11.3	7.2	4.3	.7	-1.8	-1.5	1.8						8.7	6.2
-491		7 51	22.1	19.4	18.5	17.9	16.7	15.3								8.7	17.3
-492		7 53	20.5	17.7	15.9	14.8	13.9	12.5								8.8	16.3

ESA STATISTICS:  
 MINIMUM ( -5.0 -5.0 -6.8 -6.3 -5.9 -7.4 -7.8 -8.4 -12.4 -10.9 -14.5  
 MAXIMUM ( 27.6 24.8 22.6 23.2 23.0 20.6 11.2 11.2 9.0 .5 -14.5  
 AVERAGE ( 9.8 7.6 6.2 6.8 6.2 4.4 .8 1.1 -2.5 -5.2 -14.5  
 STANDARD DEVIATION ( 8.6 8.4 7.8 7.6 7.4 6.8 4.5 4.7 4.8 3.6  
 NUMBER OF DATA POINTS ( 173 173 173 173 173 172 120 92 33 17 1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE D30

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-101-034	29 NOV 79	11 1	13.2	13.0	13.0	13.2	14.9	15.0	17.4	20.8	22.7	26.8	28.9	28.7	27.2	26.5	18.8		
AA-101-036	06 DEC 79	11 14	1.7	1.1	1.7	1.0	.6	.5	1.0	4.4	10.0	23.0	29.1	27.6	22.2	17.8	28.6		
-037	15 15	2.6	2.3	1.7	2.5	3.2	2.9	4.5	7.3	9.7	14.6	20.6	27.7	28.5	27.8	30.0			
AA-101-038	12 DEC 79	10 50	9.8	11.9													25.7		
-039	11 18	.2	.1	1.1	1.1	1.1	1.1	1.1	1.2	2.5	4.4	6.4	15.7	24.3	22.6	18.6	30.5		
-040	13 10	2.6	2.7	1.7	2.1	2.3	3.4	4.1	8.4	14.8	25.0	28.1	24.9	19.6	14.3	29.1			
AA-101-041	13 DEC 79	11 30	.3	.5	.2	.4	.6	.6	2.4	5.2	7.2	11.7	16.3	18.2	14.7	11.4	41.6		
AA-101-043	14 DEC 79	12 6	-6.2	-5.1	-5.1	-4.0	-2.9	-2.6	-1.7	-.4	1.6	6.0	10.3	16.3	17.8	17.1	28.7		
AA-101-044	23 JAN 80	11 54	2.2	2.4	3.2	4.1	6.8	7.6	10.9	12.8	14.6	19.4	21.9	21.8	19.0	18.6	28.1		
AA-101-047	29 JAN 80	11 42	1.9	2.2	2.8	3.1	4.8	5.6	6.8	9.0	9.7	11.0	13.3	15.6	15.2	14.6	42.0		
-049	13 27	2.8	3.4	3.8	5.0	7.6	7.6	9.8	11.4	14.5	20.3	24.4	24.6	20.6	18.8	29.5			
AA-101-052	05 FEB 80	13 37	-1.0	-1.2	-.9	-.2	1.7	.4	2.2	1.8	3.1	9.0	17.9	26.5	24.2	18.4	28.7		
AA-101-054	13 FEB 80	11 25	-.5	-.3	-.6	-.4	2.6	3.6	12.3	15.3	23.3	31.7	32.2	29.1	27.6	28.5	33.6		
-055	11 53	-.5	-.4	-.3	-.1	3.6	4.5	12.6	16.7	23.1	32.6	33.8	30.4	27.9	28.6	38.1			
-056	12 4	1.6	1.3	1.1	.9	4.1	5.0	13.0	16.5	23.6	35.4	36.5	32.6	30.6	30.2	36.2			
AA-101-060	14 FEB 80	9 54	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	47.0		
-061	11 3	-.5	2.0	1.4	2.2	3.6	5.0	9.6	12.6	17.2	26.5	32.6	32.2	30.7	29.5	30.5			
AA-101-065	20 FEB 80	11 19	1.1	1.1	1.0	1.3	3.1	1.5	2.8	3.1	4.4	6.2	6.7	11.7	17.5	24.8	32.7		
AA-101-068	21 FEB 80	14 10	-3.0	-2.9	-3.5	-3.3	-2.7	-4.8	-4.5	-4.6	-3.5	-1.5	-.2	7.7	17.8	20.9	29.1		
-069	14 13	-1.6	-.4	-.5	-.5	-1.1	-1.4	-2.0	-2.0	-1.3	.2	3.4	10.9	23.1	23.2	29.5			
AA-101-073	27 FEB 80	11 57	6.2	1.0	-1.5	-1.1	2.6	8.8	17.2	25.2	27.0	26.6	24.5	21.4	17.3	14.5	21.8		
AA-101-074	01 APR 80	11 3	3.5	2.0	1.9	1.8	4.6	3.3	5.5	8.0	11.5	17.5	25.1	32.7	33.9	32.3	41.1		
-075	11 22	2.6	.9	.4	-.5	2.1	.4	2.4	5.3	8.5	14.5	21.4	28.1	27.9	25.7	33.5			
AA-101-076	03 APR 80	11 17	2.4	.6	.1	-.8	2.0	.8	3.0	5.6	10.0	17.1	24.3	26.6	23.4	17.3	29.9		
-077	14 12	1.5	-.6	-1.8	-2.1	-.9	-2.5	.2	4.4	12.4	22.7	27.5	26.6	23.4	17.3	39.3			
AA-101-080	10 APR 80	9 39	2.8	1.4	1.1	1.9	4.0	4.2	4.8	6.7	9.4	13.6	17.4	21.9	20.5	19.0	19.2		
-081	10 47	2.7	1.3	1.2	1.9	2.9	4.4	6.6	8.9	11.7	16.9	20.7	20.9	19.3	18.4	34.4			
-082	11 47	4.0	2.8	3.1	3.7	6.8	7.4	13.3	15.6	18.9	24.3	27.2	26.3	25.1	23.4	31.7			
-083	12 3	2.5	1.4	1.5	2.4	3.9	5.6	7.9	10.8	14.1	20.9	22.4	23.1	21.9	21.3	33.9			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 431 M

DATE 02 FEB 87  
 PAGE E30

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)		
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000	
AA-101-034	29 NOV 79	11 1		24.8	23.8	22.1	19.4	13.4									19.1	22.7
AA-101-035	06 DEC 79	11 14	13.8	9.8	4.9	1.3	-1.3	-1.5	.1	3.0	-1.1						6.0	6.0
-037		15 15	24.7	23.5	22.1	21.2	19.1	17.7									8.1	18.5
AA-101-038	12 DEC 79	10 50	25.4	25.9	23.3	21.2	22.3	20.9									27.7	25.7
-039		11 18	14.5	11.5	5.6												2.5	9.4
-040		13 10	9.8	7.0	3.5	1.6	1.0	1.6	2.4	3.8							8.1	6.8
AA-101-041	13 DEC 79	11 30	8.0	5.9	2.6	1.1	.8										2.5	6.8
AA-101-043	14 DEC 79	12 6	14.8	11.4	9.0	7.8	6.1	5.5	5.7	5.5							2.7	9.1
AA-101-044	23 JAN 80	11 54	15.7	15.0													11.3	18.4
AA-101-047	29 JAN 80	11 42	12.1	10.4	8.7	6.9	5.7	4.9									8.3	10.8
-049		13 27	16.3	13.1	11.3	9.9	8.5	8.0									12.9	14.8
AA-101-052	05 FEB 80	13 37	14.4	12.5	13.0	13.6	11.5	9.6	9.0	7.9							4.5	10.5
AA-101-054	13 FEB 80	11 26	25.0	24.0	24.0	23.9	22.1	21.6	22.8								11.4	24.1
-055		11 53	26.3	25.1	25.1	25.2	23.9	23.1									11.7	25.1
-056		12 4	28.2	26.4	25.7	25.4	24.2	22.8									13.2	26.2
AA-101-060	14 FEB 80	9 54	24.5	22.4	20.3	20.7	18.7	16.8	17.7								8.1	19.9
-061		11 3	27.0	25.1	24.4	24.0	22.1	20.9									7.1	18.0
AA-101-065	20 FEB 80	11 19	30.6	30.4	26.7	24.9	23.1	21.4	21.7	21.5							7.0	15.3
AA-101-068	21 FEB 80	14 10	10.8	2.5	-2.0	-3.9	-4.8	-5.4	-5.9	-6.4	-9.7	-8.7	-12.2				-2.3	-2.7
-069		14 13	14.4	7.3	4.0	1.2	-4.6	-4.5	-2.8	-3.6	-4.9	-4.7	-7.6				1.5	1.3
AA-101-073	27 FEB 80	11 57	12.9	10.8	10.9	8.6	7.9	5.9	6.4	4.4							10.1	10.8
AA-101-074	01 APR 80	11 3	30.9	28.9	28.1	25.6	25.2	23.3	24.9	22.6							10.8	21.8
-075		11 22	24.2	21.9	21.1	18.1	19.1	17.6	19.0	16.7							6.7	17.3
AA-101-076	03 APR 80	11 17	21.7	19.8	18.2		15.6	14.1									5.7	13.5
-077		14 12	12.1	5.9	2.7	-1	.2	-1.8	.7	.5	1.8	2.5	1.8				6.5	5.5
AA-101-080	10 APR 80	9 39	18.3	17.1	16.8	14.9	14.6	13.3	14.6	13.0							8.8	15.6
-081		10 47	17.8	16.6	16.6	14.1	13.8	11.9									9.4	15.5
-082		11 47	23.1	21.3	21.2	18.7	18.2										14.2	21.3
-083		12 3	20.6	20.0	19.6	17.4	17.2	15.5									8.0	16.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 431 M

DATE 02 FEB 87  
 PAGE D31

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-101-087	11 APR 80	10 51	2.7	1.1	.7	1.5	3.3	2.9	5.1	7.6	10.7	15.0	20.4	25.9	26.3	24.0	32.1		
AA-101-088	16 APR 80	10 4	1.4	.0	-0.6	-1.6	-0.4	1.4	4.2	9.1	18.2	23.7	25.1	20.5	15.0	35.3			
AA-101-089	17 APR 80	11 23	3.2	1.4	1.0	1.3	3.6	2.5	4.8	7.0	10.3	15.4	20.1	24.2	25.4	24.4			
AA-101-090	18 APR 80	11 6	1.9	.7	.0	.0	1.7	.7	2.7	4.9	7.8	12.7	18.9	24.7	25.5	24.9			
AA-101-092	22 APR 80	11 2	5.0	5.8	6.6	8.3	11.4	12.4	19.2	22.9	26.5	28.1	29.2	28.5	26.6	24.8			
AA-101-094	06 MAY 80	14 33	-1.8	-2.9	-3.2	-2.4	-1.0	.3	4.1	9.5	16.4	21.7	21.6	20.8	17.2	14.0			
AA-101-096	08 MAY 80	10 26	-1.7	-2.3	-0.9	-1.1	3.9	8.7	13.9	14.2	15.4	16.4	14.2	11.7	25.0				
AA-101-098	09 MAY 80	10 40	.0	-0.8	-0.4	.7	3.1	4.4	9.2	13.0	17.4	22.0	25.2	25.4	25.0	23.0			
-099	12 29	-0.3	-1.0	-1.2	-0.8	2.0	2.5	6.8	12.8	18.6	23.7	27.2	23.8	21.9	21.0				
AA-103-101	09 SEP 80	7 10	.9	-1.1	-0.9	-1.1	.7	1.5	6.9	17.0	25.1	31.1	32.1	27.5	25.5	22.9			
-103	7 24	1.5	1.4	-0.9	.1	1.0	1.8	7.9	18.5	26.1	35.2	36.5	31.0	27.5	21.0	30.4			
-105	7 35	1.6	2.0	-1.1	.5	1.3	2.1	7.7	17.8	26.3	33.0	35.8	30.1	26.9	21.0	32.2			
-107	7 45	2.0	2.0	.2	.9	1.5	2.8	8.0	17.7	26.3	31.9	36.1	30.2	27.6	21.9	34.4			
-109	7 55	2.5	2.2	.3	1.2	2.0	2.7	8.0	17.4	26.0	29.9	34.2	30.4	28.9	24.5	30.8			
-111	12 26	4.1	4.9	5.5	8.8	10.1					32.6	36.0	31.0	27.1	25.3	40.2			
-112	12 58	5.7	7.3	7.0	9.1	12.2	13.1	17.9	23.2	30.8	36.0	35.3	33.2	33.5	31.8	29.5			
-114	13 10	5.8	7.7	7.6	10.7	14.1	17.2	21.9	25.5	31.6	34.8	35.0	31.1	32.5	31.0	32.2			
-116	13 23	4.2	4.9	4.7	6.9	9.8	12.1	18.1	24.3	28.5	31.1	30.8	27.1	27.9	26.9	30.9			
-118	13 37	4.6	5.5	4.6	6.9	8.8	11.6	16.1	21.5	25.4	29.0	31.7	28.7	29.3	28.5	33.1			
-120	13 53	5.5	6.6	6.6	8.3	9.4	11.6	15.8	21.6	28.0	31.5	32.1	27.7	29.2	29.8	29.5			
-122	14 8	4.8	5.5	5.4	7.0	9.0	11.5	17.2	22.2	26.1	30.2	32.3	29.0	29.3	28.3	28.6			
AA-103-125	10 SEP 80	6 58	.7	-0.2	-1.8	-1.7	-1.5	-1.7	.4	5.4	16.0	23.8	29.4	25.2	21.1	16.1	29.9		
-127	7 11	1.2	-0.3	-1.3	-0.8	-0.2	-0.4	1.8	6.9	17.3	27.3	33.4	27.2	21.9	16.0	30.4			
-129	7 22	.7	-0.3	-1.6	-1.1	-1.0	-1.0	1.4	6.1	16.2	24.6	30.8	26.9	23.1	19.2	29.9			
-131	7 33	1.2	.7	-1.3	-1.1	-1.1	-1.0	1.3	6.1	16.9	27.1	32.9	26.0	21.1	15.0	28.6			
-133	7 44	1.0	.2	-1.8	-1.6	-1.5	1.0	5.7	17.6	24.2	28.8	21.6	16.6	11.2	30.4				
-135	13 0	.8	.6	-0.4	.4	1.7	1.6	3.3	6.0	9.7	13.3	16.3	20.6	24.9	23.0	29.1			
-137	13 10	.1	-0.3	-1.6	-1.1	-0.8	.8	3.7	9.4	16.1	20.1	22.4	21.6	18.0	30.4				
-139	13 19	.6	1.1	1.1	1.9	1.1	3.6	7.0	10.9	13.2	17.3	20.8	22.3	19.5	31.3				
-141	13 29	.1	-0.2	-1.4	-0.5	.0	-1.1	1.9	5.1	11.0	16.7	21.0	25.8	26.0	21.8	30.4			
-143	13 44	-0.3	-0.2	-1.4	-1.3	-0.6	-1.0	1.6	4.9	10.4	14.4	17.3	20.9	22.8	20.2	30.4			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

DATABASE:  
 DISTANCE 431 M

DATE 02 FEB 87  
 PAGE E31

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL AL (DB) (DBA)						
		START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000		6300	8000	10000			
AA-101-087	11 APR 80	10 51	23.0	21.7	20.0	17.7	17.1	10.9									10.0	18.2	
AA-101-088	16 APR 80	10 4	9.6	5.5	4.9	3.1	4.0	3.5										4.4	9.7
AA-101-089	17 APR 80	11 23	23.0	20.7	20.5	18.4	18.0	16.6	18.1									9.3	18.2
AA-101-090	18 APR 80	11 6	22.3	18.7	18.2	17.5	17.5	15.6										7.6	16.8
AA-101-092	22 APR 80	11 2	25.5	24.7	24.3	22.4	22.4	20.8	22.0	22.0								19.5	24.0
AA-101-094	06 MAY 80	14 33	10.4	7.7	6.1	3.4	2.4	.2										7.9	8.3
AA-101-096	08 MAY 80	10 26																3.7	12.1
AA-101-098	09 MAY 80	10 40	21.5	18.4	17.4	15.2	15.3	12.7										11.7	19.0
AA-101-099	12 29	20.9	18.7	18.3	16.1	13.3	8.5											9.6	16.4
AA-103-101	09 SEP 80	7 10	18.9	14.8	10.2	5.9	2.2	.4	5.7	5.6	3.5	4.5	5.6	-1.0				9.9	8.6
AA-103-103	7 24	14.7	9.0	3.6	4.8	8.7	10.3	9.5	12.3	11.9	9.9	12.2	5.5					11.1	10.3
AA-103-105	7 35	15.1	9.9	4.6	1.7	4.8	3.0	8.5	7.9	5.2	5.5	6.7	1.9					10.8	8.5
AA-103-107	7 45	17.2	13.1	7.2	1.3	-2	1.7	5.7	10.6	5.7	5.0	5.5	.5					10.9	7.8
AA-103-109	7 55	20.6	16.9	12.9	8.9	5.8	3.3	3.0	4.1	3.2	1.0	1.9						11.4	9.0
AA-103-111	12 26	25.1	25.2	23.8	23.0	22.3	19.4											19.9	25.1
AA-103-112	12 58	29.8	29.3	28.7	28.7	28.7	25.7	25.3	25.3	25.9								22.1	29.0
AA-103-114	13 10	28.9	28.7	28.4	28.4	28.4	25.5	25.3	25.9									24.1	28.8
AA-103-116	13 23	24.5	24.2	23.4	23.3	23.0	20.1	19.2	20.3	19.1								20.0	22.9
AA-103-118	13 37	26.0	25.2	25.0	24.2	24.2	21.0	20.2	17.3									19.1	23.6
AA-103-120	13 53	26.8	26.0	25.7	25.3	24.7	21.7	21.0	21.6	20.1								19.9	24.8
AA-103-122	14 8	25.6	25.8	25.7	25.1	24.6	21.8	21.3	22.3	21.0								19.8	25.0
AA-103-125	10 SEP 80	6 58	10.3	5.7	1.5	.0	3.0	5.2	2.1	5.4	3.2	1.3	.2					6.3	5.5
AA-103-127	7 11	9.4	4.5	.1	-1.7	1.3	4.4	2.2	4.7	2.9	1.1	2.3	-7.8					6.8	4.6
AA-103-129	7 22	14.4	10.2	5.2	1.4	2.1	7.2	4.6	8.2	6.0	4.7	3.9						7.2	7.7
AA-103-131	7 33	9.0	5.0	2.7	3.0	7.2	4.4	4.7	8.4	6.9	4.4							7.0	7.3
AA-103-133	7 44	6.7	3.2	.2	.1	3.8	.4	1.5	3.3	1.5	-4							5.5	3.6
AA-103-135	13 0	20.0	18.0	15.4	13.2	12.2	10.0	10.3	11.9	12.2								8.9	14.5
AA-103-137	13 10	14.6	12.6	9.4	6.7	5.5	3.7	5.7	6.6	5.5								6.8	9.3
AA-103-139	13 19	16.9	16.2	14.8	13.0	11.1	8.9	9.2	9.9	9.6								9.3	13.7
AA-103-141	13 29	18.0	15.3	12.2	9.3	7.0	5.1	5.8	7.3	6.5	7.2							7.9	11.5
AA-103-143	13 44	15.9	14.4	12.1	9.9	8.9	6.6	6.2	7.7	7.9	7.0							7.5	11.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE D32

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-145	16 SEP 80	7 19	.4	.1	-2.1	-1.7	-1.4	-2	6.0	16.9	26.0	36.4	33.5	20.7	13.1	6.4	36.2		
-147		7 34	.0	-4	-2.4	-1.7	-1.8	-5	3.8	12.7	24.0	30.8	33.4	23.9	20.0	16.0	34.8		
-149		7 47	.1	.4	-1.4	-1.5	-1.0	.8	4.5	12.9	23.3	30.5	35.2	26.4	23.9	20.6	29.5		
-151		8 0	.6	.7	-1.1	.0	-.5	.9	4.2	11.3	19.2	24.3	31.7	28.4	26.3	23.7	29.5		
-155		13 12	2.4	3.4	1.8	2.9	3.2	4.5	7.7	12.6	21.1	26.3					31.3		
-156		13 21	1.9	2.8	1.3	2.8	1.4	4.4	7.4	12.0	19.8	25.7	31.9	32.6	35.4	33.5	29.5		
-158		13 49	2.6	3.2	1.9	3.1	4.1	4.7	8.0	12.7	19.8	25.4	31.6	35.0	35.6	33.2	29.5		
-159		13 51	3.0	3.7	2.5	3.8	4.6	5.3	8.6	13.2	20.8	25.5	32.5	33.4	34.5	32.9	30.8		
-160		13 54	3.4	3.5	1.9	3.2	4.3	4.6	8.1	12.8	20.0	26.5					32.2		
AA-103-164	17 SEP 80	7 5	10.3	11.4	10.8	12.5	14.5	15.9	18.9	22.6	26.6	31.2	35.0	37.6	39.6	38.1	30.0		
-165		7 12	10.1	11.0	10.5	12.3	13.9	14.6	17.5	20.8	25.6	30.4	34.0	37.7	40.3	38.6	37.5		
-166		7 20	9.8	10.9	10.4	12.2	14.2	15.3	18.0	21.6	25.9	31.9	34.9	37.9	39.8	38.2	32.2		
-170		7 44	8.8	10.1	9.3	11.1	12.1	14.3	16.2	19.5	25.4	31.7	34.6	35.8	37.0	36.5	34.9		
-171		7 47	6.9	7.3	6.0	7.2	7.5	9.1	10.8	13.4	17.4	22.3	25.3	29.0	32.6	31.8	32.2		
-175		13 12	5.9	6.5	5.5	5.4	5.5	6.2	7.6	11.3	18.9	29.7	34.7	29.9	27.4	22.9	30.2		
-176		13 22	5.3	5.6	3.7	3.8	4.2	4.9	6.7	11.3	18.1	23.8	29.7	25.7	21.5	16.9	29.5		
-177		13 24	5.6	6.0	4.6	5.2	5.8	5.9	7.5	11.3	18.0	29.6	33.9	28.9	25.7	22.4	34.0		
-178		13 28	6.1	5.9	4.8	5.4	5.5	5.7	7.5	11.0	17.0	29.8	34.2	29.8	26.6	22.9	32.6		
-179		13 34	5.9	6.5	5.1	5.8	6.2	6.7	8.4	11.6	17.7	28.3	33.4	30.8	28.6	25.4	28.1		
AA-103-186	19 SEP 80	7 1	.9	.3	-1.0	-.6	-.7	-.3	2.2	6.5	15.0	28.1	34.8	28.6	26.2	23.2	31.3		
-189		7 3	.8	.4	-1.0	-.6	-.3	.5	2.7	7.1	16.8	28.2	33.6	28.1	25.9	23.1	31.8		
-192		7 21	1.1	1.0	-.3	.1	-.1	.4	2.7	7.5	17.2	28.8	33.4	27.0	24.1	19.1	30.4		
-193		7 23	1.3	1.0	-.5	.0	.0	.7	2.7	6.8	15.3	28.3	33.0	28.7	27.0	21.2	31.8		
-194		7 25	.1	-.4	-1.9	-1.6	-1.9	-1.1	1.5	7.9	16.6	19.7	25.9	20.6	18.2	11.8	31.3		
-205		8 2	.7	.2	-1.6	-1.4	-1.8	-.9	1.9	8.7	20.0	25.7	28.1	19.8	15.1	10.4	29.5		
-206		8 14	.4	.0	-1.1	-.2	-.4	.6	2.8	7.6	16.4	27.5	33.0	27.1	23.1	17.4	32.7		
-207		12 53	1.4	1.6	.3	1.1	1.7	2.5	4.6	7.7	12.4	17.1	19.8	24.0	28.1	27.8	30.4		
-208		12 55	.9	.7	-.4	.6	.9	1.8	3.8	6.6	10.4	14.3	18.2	23.2	25.5	25.2	30.9		
-209		12 57	1.2	1.1	.3	1.5	1.5	2.1	3.9	6.5	10.2	15.2	18.3	25.6	29.9	27.9	31.4		
-210		12 59	.4	.3	-1.0	.4	1.1	2.2	4.3	7.5	12.6	17.4	21.0	25.5	28.2	26.3	29.6		
AA-103-214	23 SEP 80	7 8	1.0	.5	-1.7	-1.3	-.8	.2	3.4	7.7	16.4	25.2	28.7	26.0	22.9	19.8	30.4		
-215		7 10	.7	.1	-2.4	-2.3	-1.7	-.6	2.5	7.7	17.3	24.5	29.4	24.8	20.6	16.3	30.4		
-216		7 12	-.8	.1	-1.8	-1.3	-1.1	-.2	2.2	6.5	15.0	25.3	28.4	25.0	22.4	18.0	31.8		
-220		7 33	-.9	-.2	-1.9	-1.0	-.4	.7	3.8	8.7	17.0	25.7	30.5	28.2	25.2	21.6	27.3		
-221		7 35	.3	-1.0	-2.8	-2.7	-2.2	-1.0	2.4	6.9	16.2	26.9	29.2	24.4	21.2	17.2	30.0		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS  
 IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTEN  
 DATABASE:  
 DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE E32

TEST NO.	DATE	START TIME	MR-MN	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)
				630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-103-145	16 SEP 80	7 19	( 1.9	4.6	3.0	3.2	6.5	5.1	9.1	9.3	10.1	8.5	10.3							8.1	6.6
-147		7 34	( 9.4	4.2	-0.8	3.6	8.9	3.0	6.6	6.0	6.7	4.0	6.6							8.0	6.9
-149		7 47	( 15.1	10.2	3.7	-1.4	-1.0	2.9	3.1	3.4	1.2	2.2	2.3							8.0	5.4
-151		8 0	( 21.4	21.3	18.4	15.8	14.4	11.6	10.7	10.0	7.8	6.9	9.1							9.7	15.3
-155		13 12	( 26.8	24.7	24.0	22.7	20.3													13.8	25.0
-156		13 21	( 31.3	31.1	30.6	29.4	28.2	25.8												13.1	26.2
-158		13 49	( 31.7	31.6	30.7	29.0	28.0	25.4												13.9	26.3
-159		13 51	( 30.8	29.8	28.3	26.8	26.0	22.9	23.2											14.7	25.9
-160		13 54	( 27.2	26.2	22.9															14.3	27.1
AA-103-164	17 SEP 80	7 5	( 36.7	35.2	33.9	32.7	31.4	28.5	28.4	29.3										24.4	32.7
-165		7 12	( 37.0	35.3	33.9	32.4	31.3	28.6	28.2	29.3										23.6	32.3
-166		7 20	( 36.4	34.5	33.0	31.6	30.6	28.0	27.4	28.7										23.7	31.9
-170		7 44	( 34.5	33.6	32.4	31.5	30.9	28.4	28.3	29.5										22.1	31.2
-171		7 47	( 30.6	28.7	27.3	26.7	26.1	23.6	23.0	24.0	22.6	21.0								16.1	24.6
-175		13 12	( 18.2	13.8	10.6	8.8	10.4	11.0	12.4	14.6	14.1	11.5								13.4	14.7
-176		13 22	( 12.8	10.2	7.7	6.7	7.2	7.1	8.5	11.0	11.2	10.2								11.8	11.2
-177		13 24	( 17.6	13.9	11.4	10.1	10.4	10.4	10.2	14.3	14.0	13.0								13.2	14.2
-178		13 28	( 18.8	15.9	13.1	11.0	10.5	10.4	11.7	13.7	14.2	12.6								13.1	15.1
-179		13 34	( 22.2	19.6	17.2	14.1	12.4	11.5	13.0	16.5	15.3									14.0	17.6
AA-103-188	19 SEP 80	7 1	( 17.8	12.6	7.7	5.0	4.9	5.0	8.3	9.6	11.4	8.9								8.2	10.8
-189		7 3	( 17.4	13.5	9.0	6.2	6.8	7.2	10.0	9.9	10.4	8.0								8.8	11.9
-192		7 21	( 13.1	8.7	3.7	-0.6	-2.3	-0.5	5.0	2.0	1.6	-1.5								-0.5	-11.8
-193		7 23	( 13.3	7.6	2.5	-1.6	-2.1	1.1	3.7	2.2	2.3	-1.5								1.9	-7.3
-194		7 25	( 7.0	5.3	2.0	-3.8	-1.7	-0.3	1.3	1.1	1.9	-1.9								-0.8	-8.9
-205		8 2	( 5.1	1.4	-2.6	-4.5	-0.3	-0.3	-2.2	2.9	1.1	-1.3								-0.5	-0.5
-206		8 14	( 10.3	4.8	-0.2	-3.1	-0.9	-2.0	-0.5	2.6	4.6	4.5								7.4	4.4
-207		12 53	( 24.6	23.4	21.4	19.2	17.4	15.8	16.6	18.0	17.8									10.2	18.7
-208		12 55	( 23.2	21.1	19.1	18.2	17.1	14.2	14.3	15.5	15.3									9.2	17.2
-209		12 57	( 25.1	22.8	20.4	18.7	16.7	14.6	15.1	16.9	17.3									9.3	17.7
-210		12 59	( 24.8	23.2	22.0	20.8	19.2	17.1	17.7	19.2	19.1									9.9	19.2
AA-103-214	23 SEP 80	7 8	( 15.5	12.8	10.5	6.3	6.2	6.8	9.5	10.7	12.6	13.1								8.2	11.5
-215		7 10	( 11.7	8.2	5.5	2.4	3.9	4.6	3.5	6.8	6.2	5.8								7.0	7.7
-216		7 12	( 13.4	10.7	7.9	3.1	3.4	4.6	4.5	4.1	2.6									7.3	7.7
-220		7 33	( 17.6	15.1	13.0	8.7	7.9	6.5	9.4	9.3	7.6									8.8	12.1
-221		7 35	( 13.0	9.1	6.8	2.6	6.0	5.5	4.4	6.5	4.4									6.8	8.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION: )  
 OMEGA 13.1 )  
 TEST AA-BOB-081 )  
 DATABASE: )  
 DISTANCE 431 M )  
 DATE 02 FEB 87 )  
 PAGE 033 )

PARAMETERS: )  
 ALL DATA LISTED )

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
		START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-103-235	24 SEP 80	6 59	.7	1.5	.1	.8	.9	2.3	5.7	13.8	25.5	30.2	35.7	26.3	21.8	15.4	31.3	
-236		7 1	1.7	1.1	-4	-2	-1	1.2	4.9	13.0	23.3	31.4	32.4	22.9	18.9	10.9	30.4	
-237		7 3	1.5	1.4	.0	.8	.8	1.7	5.4	12.7	24.0	30.3	35.1	28.1	24.9	18.4	31.8	
-238		7 4	1.4	1.3	-5	-2	-2	.6	3.8	10.7	22.1	30.8	33.3	25.7	19.7	11.7	31.3	
-243		7 24	1.4	1.7	.1	.7	.8	2.1	5.6	12.9	26.5	30.7	34.5	27.5	25.8	19.9	31.3	
-244		7 26	1.3	1.5	.0	.9	1.3	2.7	6.7	15.0	26.3	31.0	33.7	26.4	22.7	17.4	31.3	
-245		7 27	.9	1.1	-3	.9	1.0	2.2	5.5	13.3	26.7	32.9	33.4	23.7	18.0	11.5	32.2	
-246		7 29	1.2	1.2	-3	.6	.7	2.1	5.7	13.5	27.3	33.7	34.1	26.9	22.4	16.7	32.2	
-247		7 31	1.0	.8	-9	.2	.1	1.4	4.6	11.4	24.5	28.4	32.2	24.8	21.0	16.3	32.2	
-248		7 32	.6	1.0	-6	.3	.2	1.5	5.4	13.4	25.8	33.1	33.0	24.6	20.4	13.8	31.8	
-257		15 0	1.1	1.8	.2	1.1	1.5	2.3	5.2	9.9	18.2	24.0	32.1	29.9	29.9	26.6	31.3	
-258		15 1	1.9	2.4	.9	1.8	2.4	2.9	6.2	11.0	22.5	25.5	33.6	31.7	32.0	29.6	31.8	
-259		15 3	1.1	1.6	.2	1.1	1.6	2.5	6.0	10.6	16.7	21.9	29.9	29.5	29.7	26.2	31.8	
-260		15 4	1.6	2.1	.7	1.8	2.3	2.8	6.2	10.8	18.2	23.4	29.6	30.0	31.2	27.6	31.8	
-261		15 6	1.7	2.4	1.0	1.8	2.5	2.9	6.1	10.1	16.1	20.9	26.7	29.5	30.2	26.6	31.8	
AA-103-267	25 SEP 80	7 10	.6	.0	-1.5	-1.4	-1.5	-.5	3.1	10.6	21.4	29.2	35.7	28.2	25.6	18.9	31.7	
-268		7 14	1.1	.2	-1.1	-.6	-1.0	.0	3.4	10.6	23.2	27.3	35.6	29.7	26.8	22.9	30.4	
-269		7 17	1.1	.6	-.7	-.1	-.3	.9	3.9	10.1	23.1	27.5	34.8	30.4	29.4	25.4	32.2	
-270		7 19	1.2	.9	-.5	-.1	-.1	.8	4.4	11.8	23.1	27.2	35.3	29.0	25.8	23.4	31.3	
-271		7 22	1.0	1.0	-.1	.5	.6	1.5	4.9	11.6	21.6	26.3	36.8	32.5	32.6	30.3	31.8	
-277		7 50	1.5	1.4	.1	.5	.4	1.5	5.4	12.9	24.5	30.1	36.6	30.4	29.0	25.8	22.8	
-278		7 51	2.0	1.8	.4	.6	.9	1.6	5.3	12.7	23.7	29.0	37.0	29.9	27.6	23.3	30.9	
AA-103-281	30 SEP 80	14 15	1.8	2.6	1.1	2.6	3.1	4.4	8.1	12.5	18.9	24.6	30.3	29.7	28.4	27.3	31.8	
-282		14 17	1.6	2.5	.8	2.4	2.9	4.3	7.7	12.1	18.9	24.4	29.6	30.6	29.6	29.2	31.8	
-283		14 19	1.2	2.1	.8	3.0	4.0	5.7	8.8	12.9	18.9	25.3	30.0	29.9	28.3	28.0	31.8	
-284		14 21	1.7	2.4	1.1	2.8	3.1	4.7	8.1	12.4	18.5	23.9	28.8	28.2	27.5	26.1	31.8	
-285		14 22	2.3	3.2	2.2	4.2	5.1	7.1	10.5	15.3	21.1	26.7	30.4	30.7	29.6	28.2	31.8	
-291		14 44	2.3	2.9	2.1	3.7	4.7	5.6	9.6	14.2	21.0	27.3	31.9	31.9	31.1	30.9	32.2	
-292		14 47	1.9	2.3	1.1	2.7	3.7	4.7	8.2	12.6	18.1	23.0	28.4	29.7	28.2	27.8	32.6	
-293		14 48	1.1	1.8	.2	1.6	2.4	3.4	6.7	11.1	16.8	21.7	27.0	28.8	28.2	27.1	33.5	
-294		14 50	.4	1.2	-.2	1.0	1.5	2.7	6.5	11.5	17.2	22.0	27.0	27.1	25.5	24.2	30.9	
-295		14 53	1.0	1.6	.6	2.0	2.6	3.8	7.1	11.6	17.4	22.3	27.4	29.7	28.8	27.0	31.3	



1-0

1-1

1-25

2-8  
3-15  
3-5  
4-0  
4-5

1-4

2-2

2-0

1-8

1-6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-203-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE E33

TEST NO.	DATE	START TIME	MR-MN	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)
				630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-103-235	24 SEP 80	6 59	(	10.1	6.0	4.0	2.5	1.7	7.0	3.7	6.8	4.1	3.1	2.4	9.6	7.4					
-236		7 1	(	4.8	3.5	4.1	1.8	5.6	3.0	5.3	8.4	7.5	5.9		8.7	6.9					
-237		7 3	(	13.4	8.9	7.0	5.6	8.2	7.7	7.3	11.4	8.0	6.7		10.2	11.1					
-238		7 4	(	6.7	6.7	8.9	7.2	5.1	6.0	6.0	9.5	6.9			8.7	9.2					
-243		7 24	(	13.6	8.7	4.5	4.0	6.1	8.6	7.6	10.8	7.0	5.3		9.9	9.5					
-244		7 26	(	12.8	9.3	6.8	7.6	7.5	9.2	8.0	11.6	9.4			10.8	11.2					
-245		7 27	(	5.4	1.5	.9	3.4	6.4	2.7	3.7	5.8	3.9	-.7		8.1	5.2					
-246		7 29	(	11.1	7.3	3.7	3.7	6.2	2.7	7.3	8.7	7.8	6.7		9.8	8.9					
-247		7 31	(	10.5	6.4	2.0	2.2	4.4	2.2	3.9	8.4	7.1	4.5		8.8	7.4					
-248		7 32	(	8.1	5.1	5.7	5.5	8.1	3.5	5.7	8.3	6.7	3.0		9.2	8.4					
-257		15 0	(	23.5	21.4	18.8	16.3	13.6	11.4	11.7	13.4	13.6			11.0	17.8					
-258		15 1	(	26.1	23.8	20.8	18.0	14.3	10.9	11.5	14.1				12.2	19.1					
-259		15 3	(	23.4	21.4	19.2	16.3	14.5	12.7	13.3	14.2				11.5	18.8					
-260		15 4	(	24.6	22.4	20.1	18.2	15.8	13.4	14.0	15.3	14.3			12.1	19.2					
-261		15 6	(	24.2	23.4	22.2	20.1	18.2	15.5	15.8	17.0	16.9			11.9	20.1					
AA-103-267	25 SEP 80	7 10	(	9.6	2.7	-1.6	-1.4	.4	2.3	4.3	9.7	9.2	7.5		7.0	4.8					
-268		7 14	(	16.7	10.1	4.7	2.2	2.0	1.9	7.5	8.9	9.1	9.0		8.4	8.3					
-269		7 17	(	20.1	13.8	7.6	2.2	.7	-1.3	6.9	7.4	3.2			8.5	7.2					
-270		7 19	(	18.8	13.8	9.0	4.3	1.0	-1.0	.0	-.6	-1.2	-2.4		7.8	4.6					
-271		7 22	(	25.3	22.6	17.5	14.4	12.5	10.2	9.6	10.7	10.3	8.4		10.7	15.5					
-277		7 50	(	21.9	16.8	10.6	4.5	-.1	-3.2	-1.0	7.3	4.4	4.8		9.4	6.7					
-278		7 51	(	16.5	11.9	6.9	1.4	-2.2	-4.5	-2.8	3.4	4.1	-.4		8.2	4.2					
AA-103-281	30 SEP 80	14 15	(	24.6	21.9	19.6	18.5	16.7	14.7	15.2	16.6	16.2	15.5		13.7	19.9					
-282		14 17	(	26.9	24.5	22.5	21.1	19.5	17.1						13.4	22.9					
-289		14 19	(	25.7	23.5	21.1	20.4	18.9	16.3						14.2	21.1					
-294		14 21	(	23.9	21.8	19.5	18.2	16.7	14.0	14.1	15.1	14.5	14.8		13.7	19.6					
-295		14 22	(	26.6	24.2	22.4	21.3	19.9	17.6	17.8	19.3	19.6			15.8	22.9					
-291		14 44	(	28.9	26.9	24.7	23.8	22.3	19.8	20.1	21.7				15.1	24.5					
-292		14 47	(	26.9	24.7	22.5	21.7	20.3	17.8	19.5					12.2	22.1					
-293		14 48	(	24.9	22.2	19.7	18.2	16.4	14.0	14.4	15.7	16.2			12.6	19.7					
-294		14 50	(	21.7	18.9	16.1	14.5	12.7	10.1	10.1	10.8	10.3	10.0		12.1	16.1					
-295		14 53	(	25.5	22.2	19.7	18.7	17.0	14.6	14.9	15.9				13.0	20.4					

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON L/R + ABS NORMALIZED  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 431 M  
 DATE 02 FEB 67  
 PAGE D24

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
		START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-103-299	01 OCT 80	7 0	-.8	-1.1	-2.2	-1.5	-1.3	7.9	19.3	26.9	36.7	36.4	27.1	20.0	11.6	31.9		
-300		7 2	-.8	-2.2	-1.6	-1.6	1.1	7.7	19.0	26.7	37.0	34.8	25.2	19.8	11.9	32.2		
-301		7 3	-.6	-2.0	-1.5	-1.4	1.3	8.2	18.8	25.7	35.8	34.1	25.9	21.6	13.6	33.1		
-302		7 5	-.3	-1.1	-2.2	-1.6	1.9	7.4	18.5	25.5	34.7	34.1	24.4	19.2	11.4	30.0		
-303		7 7	-.3	-1.6	-2.3	-1.8	1.9	7.4	17.8	25.2	33.0	29.6	20.2	14.7	7.8	21.9		
-309		7 32	-.3	-.8	-1.0	-.3	2.2	7.9	19.4	27.2	38.4	38.0	27.6	22.1	17.2	33.6		
-310		7 33	-.1	-.9	-.9	-.1	2.5	8.6	20.0	27.2	37.8	36.7	27.5	22.3	17.4	32.2		
-311		7 35	-.4	1.0	-.9	0.0	2.6	8.7	20.6	27.2	37.5	34.7	25.1	20.9	16.5	31.9		
-312		7 36	-.4	1.0	-.7	.1	3.2	8.9	20.2	27.2	37.8	36.3	26.7	21.6	16.2	32.2		
-313		7 38	-.4	1.1	-.7	.2	2.8	8.6	20.0	27.4	37.8	37.4	28.1	23.4	17.2	32.7		
-319		7 59	-.8	1.4	-2.2	-.8	1.0	8.3	18.0	24.6	33.0	35.0	27.6	24.0	18.8	35.4		
-320		8 0	-.9	1.7	-2.2	.8	1.1	8.4	18.1	25.0	32.4	34.2	25.9	22.9	18.4	32.7		
-321		8 1	-.9	1.9	-.1	.7	1.1	8.4	18.0	24.9	33.0	35.1	27.5	24.4	19.5	32.7		
-322		8 3	1.1	1.7	.3	1.0	1.2	8.3	17.7	25.0	32.1	35.1	28.7	26.6	23.4	32.2		
-323		8 8	1.3	2.1	.4	1.4	1.8	8.1	16.5	27.1	33.6	38.1	31.6	29.8	26.9	32.7		
AA-105-330	16 DEC 80	7 29	0.0	-.4	-1.7	-1.0	-2.2	-1.8	9.9	6.3	17.5	28.9	30.6	25.1	21.4	15.2	30.9	
-331		7 31	-.6	-1.0	-2.6	-2.1	-1.8	-3.6	5.9	18.0	24.8	28.4	23.4	19.4	15.5	44.7		
-332		7 34	-.1	-.4	-1.4	-.7	-2.0	1.5	5.4	15.7	27.7	30.8	25.5	22.3	15.9	33.1		
-333		7 36	-.8	-.7	-.4	-.5	1.0	1.2	5.1	13.6	27.5	30.8	26.2	23.3	18.4	34.4		
-334		7 39	-.3	-1.1	-1.8	-.9	-1.1	1.2	5.5	14.5	25.5	27.7	23.6	22.4	19.0	34.4		
-335		7 41	-.3	-.6	-.5	-.2	1.0	-2.2	6.5	15.1	26.2	29.5	24.2	22.0	18.0	33.5		
AA-105-342	17 DEC 80	8 2	-.2	-.7	-2.1	-1.6	-1.0	-2.6	7.9	9.4	24.0	35.4	34.7	25.7	22.3	18.2	34.4	
-343		8 8	-.1	-.5	-2.0	-1.2	-.5	-2.2	1.2	9.1	23.9	34.6	35.7	29.7	26.7	24.0	35.3	
-344		8 10	-.2	-.4	-1.9	-1.3	-.6	-2.3	1.2	8.9	24.4	35.1	37.6	31.4	25.5	20.6	36.2	
-345		8 12	-.6	-.6	-1.8	-1.3	-.6	-2.3	1.3	9.4	25.0	35.7	37.1	32.6	26.9	20.0	34.4	
-346		8 14	-.0	-.3	-1.6	-1.2	-.4	-2.4	1.1	9.3	24.8	36.9	36.6	28.1	23.2	18.4	34.0	
-354		13 13	2.4	2.2	1.5	3.4	5.3	4.6	7.5	11.1	16.2	22.1	25.4	28.4	30.0	28.3	49.1	
-355		13 17	3.3	3.0	2.2	3.7	5.1	3.9	6.5	9.8	14.5	20.1	23.8	27.0	28.6	28.2	34.4	
-356		13 18	2.5	2.3	1.3	2.8	4.8	4.4	7.2	10.5	15.8	21.0	24.0	27.3	28.2	27.1	33.9	
-357		13 20	1.6	1.4	.4	2.2	4.0	3.1	5.8	9.4	14.8	21.2	25.1	27.5	28.6	28.6	33.9	
-358		13 22	4.1	5.0	4.2	6.6	9.5	9.1	12.2	16.0	21.3	27.7	30.2	31.3	32.9	31.5	34.4	
-359		13 23	3.0	2.5	1.9	3.7	5.8	5.7	8.6	12.4	17.6	23.0	25.9	27.9	30.0	28.4	34.0	
AA-105-367	08 JAN 81	10 30	-.3	-3.6	-2.8	1.6	13.9	22.3	25.8	29.0	30.7	27.0	21.7	17.1	15.6	14.3	35.3	
-368		10 31	-.2	-3.2	-2.3	1.9	14.1	24.5	25.2	27.8	27.0	24.7	19.5	14.4	12.7	10.3	36.2	
-369		10 34	-.6	-2.9	-2.0	2.1	12.9	22.4	25.9	31.0	33.3	30.6	26.5	23.2	22.7	18.6	34.4	
-370		10 35	-.2	-2.9	-2.3	1.8	12.5	26.2	30.1	29.8	27.7	22.2	14.1	11.6	7.9	35.3		
-371		10 37	-.9	-1.7	-.8	3.5	14.5	23.7	26.7	31.2	34.6	31.8	27.8	20.7	18.8	14.9	35.2	
-372		10 39	-1.7	-2.8	-1.9	2.5	13.0	22.8	25.3	28.7	30.3	28.1	23.2	19.2	16.1	14.0	34.4	
-373		10 41	-1.4	-2.6	-1.8	2.1	12.8	23.1	26.5	31.6	34.5	30.0	24.7	20.3	17.9	15.8	35.3	
-374		10 43	-1.3	-2.3	-1.6	2.6	13.0	21.6	24.6	30.2	32.6	30.2	27.0	21.8	20.1	17.1	34.4	
-375		10 45	-1.7	-2.9	-1.8	2.5	13.2	21.3	23.8	28.2	30.5	27.7	22.0	16.8	15.0	14.1	35.8	
-376		10 46	-2.2	-3.2	-2.4	2.1	13.4	22.8	25.3	30.0	31.9	29.2	27.2	19.4	16.3	13.1	36.2	
-377		10 48	-2.3	-3.0	-2.2	2.5	13.2	23.2	25.5	28.5	30.9	28.2	25.2	21.7	19.0	17.0	35.3	



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION: OMEGA 19.1  
 TEST AA-808-081  
 DATABASE: DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE 075

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)										SAMPLE DURATION (SEC)					
		25	31	40	50	63	80	100	125	160	200		250	315	400	500	
AA-105-378	09 JAN 81	0 48	-4.2	-4.7	-4.0	0.7	12.3	18.7	23.6	29.0	26.0	24.7	19.6	16.8	14.6	12.6	35.3
-379		0 50	-3.9	-4.7	-4.4	1.2	13.7	15.4	19.7	22.7	23.2	20.9	18.5	16.8	15.9	14.9	35.3
-380		0 51	-3.5	-4.4	-3.8	1.4	14.2	16.6	20.6	24.2	27.4	22.7	17.4	14.4	11.7	10.2	36.6
-381		0 52	-3.5	-4.1	-3.5	1.2	13.2	18.1	23.8	31.4	28.3	25.6	20.2	18.6	15.7	13.5	35.8
-382		0 57	-3.5	-3.7	-3.9	1.5	13.8	18.5	22.9	29.5	26.6	23.6	19.0	17.8	16.5	14.7	35.3
-383		0 58	-3.4	-3.8	-3.3	1.6	12.9	18.4	23.0	27.0	25.5	24.9	21.0	15.6	13.5	12.1	36.2
-384		0 59	-3.0	-3.3	-2.7	1.8	13.3	19.6	23.8	25.9	27.1	22.6	19.9	17.4	14.9		37.5
-385		9 1	-3.0	-3.4	-3.1	1.7	12.2	22.2	26.7	26.2	25.1	20.7	16.5	13.2	13.8	12.8	35.3
-386		9 2	-3.2	-3.6	-3.3	1.4	11.7	21.4	25.0	26.7	26.0	23.2	17.9	14.6	11.5	8.3	37.5
-387		9 3	-3.1	-3.7	-3.0	1.4	11.8	21.7	25.3	26.9	27.1	24.7	20.4	17.2	14.5	12.3	40.2
-388		14 9	-3.4	-2.9	-2.9	0.7	10.1	23.3	26.9	32.4	33.8	32.0	26.3	21.9	18.7	17.0	38.8
-389		14 12	-2.6	-2.3	-1.9	1.8	11.4	23.7	27.8	31.5	31.6	30.7	24.6	22.1	20.3	18.8	36.2
-390		14 14	-3.4	-2.8	-2.7	1.1	10.3	22.3	24.9	28.9	30.2	30.7	25.3	22.3	21.7	19.6	31.7
AA-105-399	13 JAN 81	0 7	-2.4	-1.7	-1.3	2.1	11.8	25.4	29.9	27.1	31.7	32.7	30.3	29.4	28.7	27.5	35.8
-400		0 11	-2.4	-1.7	-1.1	1.8	11.4	23.9	25.0	27.0	32.0	32.6	28.6	28.8	28.2	25.5	36.2
-401		0 13	-2.1	-1.5	-1.2	1.8	11.5	24.4	24.4	26.7	31.5	32.7	30.0	29.3	28.7	25.6	35.3
-402		0 14	-2.5	-1.5	-1.0	2.2	11.5	25.0	25.1	28.1	32.6	33.6	30.3	28.8	27.5	26.6	34.4
-407		0 35	-2.8	-1.4	-1.0	2.6	10.8	25.1	26.0	28.7	33.8	36.4	32.0	31.3	30.6	28.8	34.5
-408		0 37	-3.0	-1.6	-1.1	2.5	11.0	25.8	24.3	27.2	31.3	33.5	30.4	29.1	28.4	26.7	34.5
-409		0 38	-3.1	-1.8	-1.4	2.3	10.7	25.3	23.8	29.6	31.8	28.9	28.7	28.2	26.8	25.4	35.4
-413		13 7	-2.8	-1.9	-1.4	2.7	11.1	23.9	26.8	29.0	32.2	34.4	32.0	30.6	29.7	26.9	38.5
-414		13 11	-2.9	-1.9	-1.6	2.7	10.6	24.5	27.4	28.5	33.0	34.9	32.4	31.0	30.5	28.4	36.3
-415		13 14	-2.8	-1.7	-1.3	2.9	10.8	24.2	27.4	29.5	35.0	37.1	33.8	31.1	29.4	27.7	35.4
-416		13 16	-1.0	-1.0	-1.3	2.9	10.5	24.3	26.4	28.6	32.8	34.9	32.7	31.0	30.9	28.4	35.9
-417		13 18	-1.1	-1.1	-1.9	2.8	10.6	25.6	26.2	28.8	34.2	36.1	32.5	30.4	29.8	27.7	35.4
AA-105-424	15 JAN 81	0 19	-1.3	-1.8	-1.8	1.1	8.3	22.3	29.9	32.0	31.3	30.4	24.9	22.1	20.4	17.5	34.4
-425		0 21	-1.6	-1.3	-1.3	1.4	8.9	22.6	26.4	28.2	28.2	29.4	22.3	17.7	16.3	13.8	35.3
-426		0 22	-1.6	-1.1	-1.0	1.8	9.2	22.1	27.7	31.9	32.4	29.3	24.7	20.8	19.6	16.6	35.3
-427		0 23	-1.3	-1.0	-1.0	2.3	9.3	22.9	31.7	33.2	30.1	24.8	21.1	20.6	17.8	15.8	35.3
-428		0 25	-1.0	-1.0	-1.0	1.8	9.1	22.9	30.0	31.7	30.7	28.4	23.0	18.5	17.1	13.9	34.4
AA-105-434	03 FEB 81	9 16	2.6	2.6	3.1	2.9	5.8	7.2	13.2	18.1	24.3	30.9	30.2	26.9	24.8	24.0	40.6
-435		9 26	3.2	3.2	3.0	2.8	5.5	6.6	13.2	17.5	23.6	30.8	31.2	26.6	25.1	22.9	37.1
-436		9 28	2.9	3.2	3.7	3.4	6.5	8.0	13.9	18.1	24.6	30.9	30.4	27.1	25.4	24.1	34.4
-437		9 29	2.6	2.9	3.6	3.6	6.7	4.4	10.6	15.4	21.3	26.6	26.8	22.0	20.6	18.9	35.3
AA-105-441	04 FEB 81	0 22	1.7	1.4	1.1	0.0	2.0	4.5	12.8	19.8	26.6	32.3	29.1	23.7	22.0	20.3	36.2
-442		0 23	1.2	1.5	1.2	0.0	1.8	4.1	11.7	17.6	24.7	31.6	30.6	24.9	23.5	22.3	35.3
-443		0 27	0.8	0.0	-0.5	-0.4	1.5	4.1	12.0	17.7	24.6	29.8	28.6	24.0	21.5	20.3	39.1
-444		0 28	1.1	1.6	2.2	1.3	2.4	4.6	11.8	17.5	24.5	30.4	28.9	24.3	22.0	21.0	39.3
-445		0 30	1.3	1.7	1.3	-0.1	2.0	4.4	11.2	17.0	25.1	30.2	28.4	23.6	21.1	20.3	37.1



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-105-081  
 DATABASE:  
 DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE E35

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)	
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000
AA-105-378	09 JAN 81	8 48	10.3	9.5	8.5	7.6	5.6	3.4	1.1	-2	-4	-1	2.8	-9	1.7	7.8	6.9
-379		8 50	11.0	9.1	8.0	7.2	5.3	2.6	.6	-7	-6	-1.5	.1	-4.5	.6	7.5	6.3
-380		8 51	7.5	8.7	7.6	6.5	4.7	4.2	3.1	1.8	1.7	.4	1.9	-3.6	-1.3	7.6	6.5
-381		8 52	10.2	9.8	8.7	7.6	4.4	2.1	.3	-1.2	-1.6	-1.5	-5	-6.9	-3.5	7.6	5.7
-382		8 57	11.0	9.2	8.7	8.9	7.0	4.5	1.5	.0	.0	-7	1.4	-3.5		8.1	7.3
-383		8 58	10.1	10.0	9.4	8.8	6.6	4.7	2.7	1.8	1.7	1.4	3.0	-3.2		7.8	7.9
-384		8 59	11.1	11.3	10.5	9.2	6.9	5.7	5.2	4.6	4.9	5.3	6.8			9.0	10.0
-385		9 1	9.2	8.4	7.5	8.2	5.8	4.1	2.4	1.6	2.0	2.3	3.3	-2.4		7.6	7.3
-386		9 2	5.1	3.6	2.3	1.1	-9	-2.3	-3.0	-2.7	-9	-2	1.6			5.8	2.9
-387		9 3	7.0	6.2	5.0	4.1	1.4	-7	-2.0	-1.6	-2	1.0	2.6	-3.3		7.1	4.6
-388		14 9	15.1	14.5	14.1	14.6	11.8	9.4								11.9	15.2
-389		14 12	16.4	15.8	16.2	16.9	14.1	11.0								12.9	17.1
-390		14 14	17.3	16.7	16.2	17.4	15.5	12.7								12.8	17.9
AA-105-399	13 JAN 81	8 7	24.7	25.0	24.4	24.0	20.8	18.0	17.0	16.7						16.2	23.1
-400		8 11	22.9	23.6	22.9	22.6	19.8	17.2	16.1	15.8						16.1	21.9
-401		8 13	24.5	24.9	24.3	24.0	20.6	17.8	16.9	17.2						16.4	23.0
-402		8 14	25.1	24.8	24.4	24.2	21.0	18.0	17.7	17.9						16.3	23.3
-407		8 35	26.0	26.3	25.5	25.7	22.7	19.8	19.8							15.9	25.4
-408		8 37	24.4	24.7	23.8	24.3	21.2	18.2	17.1	17.0						15.7	23.0
-409		8 38	24.1	24.2	23.7	24.2	21.5	18.6	17.7	17.6						15.2	23.1
-413		13 7	24.9	25.8	24.7	24.7	22.4	20.3	18.8	17.5						16.6	24.0
-414		13 11	26.4	27.4	27.0	26.8	24.6	22.0	20.6	17.5						16.5	25.6
-415		13 14	25.3	26.8	26.4	26.6	24.5	22.4	21.4	18.7						16.5	25.6
-416		13 16	26.7	26.6	26.1	26.0	23.9	21.9	20.1	18.2						16.6	25.2
-417		13 18	25.8	26.0	25.7	25.5	23.1	20.7	18.9							16.3	25.3
AA-105-424	15 JAN 81	8 19	14.3	13.3	13.1	13.3	10.6	7.2	5.4	5.4						12.6	12.7
-425		8 21	10.4	9.6	9.4	9.8	7.3	3.4	1.0	.1						11.1	8.0
-426		8 22	13.4	11.8	11.3	11.1	7.7	4.5	3.4	2.5	.9					12.5	9.5
-427		8 23	13.4	12.3	11.4	11.4	9.2	5.4	3.2	2.6	.0					12.6	10.0
-428		8 25	9.3	7.9	7.2	6.1	2.5	-1.2	-4.3	-6.8	-10.0	-14.9				6.2	.0
AA-105-434	03 FEB 81	9 16	21.8	22.4	23.2	24.7	24.1	23.0	23.8	24.2						15.6	23.7
-435		9 26	21.3	22.2	22.7	23.9	23.1	22.4	23.4	23.7						15.2	23.2
-436		9 28	22.7	23.4	24.0	25.0	24.6	23.9	25.0	25.0						16.1	24.3
-437		9 29	17.0	17.4	18.0	19.1	18.3	17.4	18.0	18.1	17.7					12.2	18.7
AA-105-441	04 FEB 81	8 22	19.7	20.2	20.2	21.0	20.0	19.3	20.5	20.8						11.9	20.8
-442		8 23	20.7	21.0	21.1	21.5	20.6	20.3	21.5	22.4						11.9	21.6
-443		8 27	17.6	18.0	17.9	18.0	17.4	16.4	17.4	18.4						12.0	18.9
-444		8 28	18.9	19.1	18.9	19.7	19.1	18.3	19.1	19.1						12.6	20.1
-445		8 30	19.1	18.4	17.6	18.5	16.6	16.4	16.7	17.4						12.4	18.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-908-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 431 M

DATE 02 FEB 87  
 PAGE 036

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (MR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-450	12 FEB 81	13 10	.2	-1	-9	-8	.6	1.6	9.8	20.6	24.9	30.9	29.8	26.1	24.4	22.5	35.0
-451		13 12	-.4	-8	-1.3	-1.1	.4	1.2	9.3	18.5	23.0	28.9	30.2	26.7	25.3	23.6	37.1
-452		13 29	.2	-1	-8	-9	.9	1.7	9.9	19.2	24.1	32.1					27.3
-453		13 32	.0	-1	-7	-5	1.2	1.6	9.6	19.7	24.9	32.3	33.4	30.4	29.2	28.1	34.9
-454		13 48	.6	.4	-1	.1	1.7	2.6	9.6	19.5	25.1	32.4	34.1	30.3	28.4	26.7	39.4
AA-105-469	25 FEB 81	12 59	1.7	1.6	1.0	1.6	2.4	2.8	4.3	5.9	10.3	16.0	18.7	21.3	23.9	23.0	34.8
-470		13 1	.6	.1	-9	-5	.0	.1	2.1	4.2	8.6	14.9	17.0	19.4	20.0	18.0	34.8
-471		13 2	1.1	.6	-3	.5	.8	.7	2.9	5.2	9.8	16.6	18.9	21.3	23.1	21.7	33.1
-472		13 4	.2	-2	-1.2	-8	-3	-3	1.9	4.1	9.0	15.5	17.4	19.4	20.4	18.0	33.9
-473		13 5	2.0	2.0	1.3	2.3	3.0	2.7	4.2	6.2	11.0	18.0	22.2	23.1	25.3	24.2	35.3
AA-105-479	27 FEB 81	7 15	-.5	-2.1	-3.1	-3.8	-3.3	-5.4	-.6	7.6	21.0	32.0	30.1	21.1	13.8	6.2	34.4
-480		7 17	-.8	-2.1	-3.5	-3.9	-3.6	-5.5	-.4	8.2	19.2	31.6	28.2	18.4	11.2	5.6	34.4
-481		7 18	-.5	-2.2	-3.3	-4.2	-3.7	-5.6	-.4	8.0	19.1	32.7	29.4	18.9	10.9	5.2	35.3
-482		7 20	-.6	-1.9	-3.1	-3.8	-3.4	-5.3	-.3	8.2	19.3	33.6	31.3	21.9	13.0	6.1	35.3
-483		7 21	-1.1	-2.1	-3.4	-4.0	-3.6	-5.4	-.3	8.2	19.6	33.3	30.4	20.2	12.1	5.7	33.0
-489		7 43	-.8	-2.2	-3.4	-4.1	-3.7	-5.2	-.1	7.8	19.7	28.9	23.9	13.8	7.5	5.1	34.8
-490		7 45	-.9	-2.2	-3.4	-4.0	-3.7	-5.3	-.2	8.2	19.7	28.1	22.5	13.0	6.6	4.2	35.7

ESA STATISTICS:

MINIMUM	(	-6.2	-5.1	-5.1	-4.2	-3.7	-5.6	-4.5	-4.5	-3.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	18.8
MAXIMUM	(	13.2	13.0	13.0	13.2	14.9	26.2	31.7	33.2	35.0	38.4	38.4	38.1	37.9	40.3	38.6	49.1	49.1
AVERAGE	(	.9	.8	.0	1.3	3.8	6.2	9.8	14.8	21.1	26.6	28.2	25.5	23.7	20.8	18.0	33.0	33.0
STANDARD DEVIATION	(	2.6	2.9	2.8	2.9	5.1	8.6	8.6	8.3	7.5	7.1	6.6	5.2	6.0	6.8	6.8	3.8	3.8
NUMBER OF DATA POINTS	(	225	226	226	225	225	223	222	223	224	222	222	222	220	221	221	221	226

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 431 M  
 DATE 02 FEB 87  
 PAGE 536

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-450	12 FEB 81	13 10	19.8	20.6	20.4	21.3	20.2	19.8	20.2	20.0	20.5	19.2				10.9	20.9
-451		13 12	21.7	21.3	20.7	21.5	19.9	19.0	18.8	18.2						10.6	21.1
-452		13 29		24.6	22.9	24.4	23.1	21.9								11.1	24.7
-453		13 32	25.2	25.8	25.4	25.9	24.4	23.8	24.2	23.9						11.4	24.5
-454		13 48	24.0	23.9	23.5	24.0	22.3	21.1	21.4	21.0						11.8	23.3
AA-105-469	25 FEB 81	12 59	19.6	17.3	16.1	19.7	12.6	10.6	10.6	10.1						9.6	15.6
-470		13 1	14.2	12.5	11.5	10.1	7.9	5.6	4.6	4.9	3.6					7.1	10.6
-471		13 2	17.7	15.9	14.7	13.2	10.1	7.8	7.1	7.5						8.4	13.6
-472		13 4	13.6	11.8	10.4	9.2	6.8	4.7	3.8	3.6	2.8					6.8	9.8
-473		13 5	21.1	19.3	18.5	17.5	14.5	12.5	12.4	12.7						10.1	17.1
AA-105-479	27 FEB 81	7 15	3.5	1.4	1.8	4.5	3.0	.2	1.0	.4	.8	-1.3				5.6	4.4
-480		7 17	5.2	1.3	2.3	4.0	.9	.6	-.4	.1	-.1	-2.8				5.5	4.1
-481		7 18	4.4	2.1	3.4	5.2	1.7	2.5	1.2	1.4	1.6	-.6				5.7	4.9
-482		7 20	5.2	3.5	4.4	6.1	3.5	4.4	3.1	4.6	5.2					6.2	6.7
-483		7 21	5.6	3.1	2.6	5.8	3.2	2.4	2.2	1.8	1.8	-.9				6.0	5.6
-489		7 43	2.7	-2.0	-2.0	-1.4	-2.0	-3.4	-3.9	-4.1	-4.6	-6.1	-10.0			3.7	.4
-490		7 45	2.6	-3.0	-1.6	-2.0	-3.0	-3.5	-5.0	-5.1	-5.5	-7.6	-10.5			3.4	-.2

ESA STATISTICS:

MINIMUM	(	.7	-3.0	-3.2	-4.5	-4.8	-5.4	-5.9	-6.8	-10.0	-14.9	-12.2	-11.8	-3.5	-2.3	-2.7
MAXIMUM	(	37.0	35.3	33.9	32.7	31.4	28.6	28.4	29.5	22.6	21.0	12.2	5.5	1.7	27.7	32.7
AVERAGE	(	17.1	14.8	12.8	12.0	11.3	10.1	9.6	10.2	6.4	4.4	3.1	-3.3	-1.5	10.5	13.6
STANDARD DEVIATION	(	7.9	9.0	9.7	9.9	9.3	8.5	8.4	8.0	6.2	5.9	5.3	4.3	2.0	4.4	8.1
NUMBER OF DATA POINTS	(	221	224	223	222	223	221	193	186	134	104	55	26	5	226	226

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-DOB-001

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE D37

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-101-052	05 FEB 80	13 37	-2.7	-2.4	-2.5	-1.8	.4	-3	6.7	6.6	7.9	17.4	29.3	28.4	23.6	18.3	26.8			
AA-101-054	13 FEB 80	11 26	-1.7	-1.6	-1.9	-1.9	2.0	4.0	16.5	27.8	32.9	34.2	32.6	28.5	28.2	28.6				
-055	11 53	-1.4	.7	1.3	.7	4.4	6.5	18.1	28.5	33.7	36.4	34.1	31.2	29.8	30.6	29.5				
-056	12 4	.5	1.3	1.8	2.6	5.3	7.2	18.1	30.3	33.7	35.2	34.2	31.2	30.2	31.5	30.0				
AA-101-065	20 FEB 80	11 19	.7	1.3	1.5	2.3	3.9	2.2	4.9	7.1	11.1	13.1	14.4	19.8	28.8	36.7				
AA-102-067	13 11	.8	-1.1	-1.5	-1.8	-1.8	-2.7	-2.2	-1.0	3.3	7.4	8.8	16.4	26.7	27.1	27.3				
AA-101-069	21 FEB 80	14 13	-2.7	-1.2	-1.2	-1.5	-2.7	-3.1	-3.9	-3.6	-.9	6.6	16.7	22.5	27.2	19.7				
AA-102-070	14 33	2.8	3.9	6.0	8.1	9.0	12.0	14.3	19.8	20.5	26.4	28.9	27.2	24.8	27.0	29.0				
AA-102-071	22 FEB 80	14 48	-3.2	-4.9	-5.2	-5.9	-6.7	-5.8	-3.8	1.6	9.9	18.2	23.1	14.8	7.5	1.6				
-072	14 53	-3.1	-6.4	-6.2	-7.2	-9.6	-7.4	-6.4	-1.1	5.2	19.2	23.7	15.3	5.9	.4	31.7				
AA-101-073	27 FEB 80	11 57	6.3	3.4	1.0	1.9	6.9	12.9	20.2	27.7	29.4	31.2	26.9	23.2	20.1	17.9				
AA-101-074	01 APR 80	11 3	3.0	3.1	3.7	4.6	8.3	7.3	11.0	14.0	17.8	27.0	34.9	35.8	34.9	36.2				
-075	11 22	1.9	2.3	2.2	1.6	3.6	1.9	3.7	6.7	9.9	20.0	31.5	32.5	32.3	29.2	31.3				
AA-101-076	03 APR 80	11 17	1.0	.8	.6	-.8	2.3	.8	3.2	6.2	11.0	22.3	28.2	27.2	26.4	23.6				
-077	14 12	-.3	-.9	-2.2	-2.7	-1.6	-3.6	.0	5.6	12.7	22.8	29.8	25.6	22.8	16.6	38.9				
AA-101-080	10 APR 80	9 39	2.0	2.4	2.1	4.1	6.0	6.6	7.4	9.8	11.7	19.0	22.2	23.5	22.4	21.6				
-081	10 47	3.2	4.3	4.9	6.3	9.8	10.4	11.6	13.5	16.4	20.6	20.5	19.6	19.1	18.4	29.9				
-082	11 47	4.1	4.9	6.7	9.4	14.2	16.7	20.4	22.1	21.9	24.7	27.4	25.0	24.4	22.7	29.5				
-083	12 3	-.7	-.6	-.6	.7	2.7	3.3	5.5	9.1	10.8	16.3	18.7	18.1	17.1	16.9	29.2				
AA-101-087	11 APR 80	10 51	1.4	2.3	2.1	3.7	5.6	4.7	7.1	10.4	13.4	20.5	27.8	28.5	27.6	25.3				
AA-101-088	16 APR 80	10 4	2.1	3.0	2.4	1.5	3.0	3.6	5.6	9.2	13.0	22.0	28.7	30.4	27.4	23.0				
AA-101-089	17 APR 80	11 23	2.7	2.8	2.7	3.8	6.2	4.6	7.7	11.0	14.6	23.1	30.4	28.2	27.6	26.4				
AA-101-090	18 APR 80	11 6	1.6	2.1	1.6	1.9	3.1	1.5	3.8	6.8	10.7	21.5	26.2	26.4	25.6	24.5				
AA-101-092	22 APR 80	11 2	7.1	10.1	12.6	16.8	20.6	23.1	24.0	26.8	28.2	30.6	31.8	29.9	28.7	26.7				
AA-102-093	14 10	-.4	-2.1	-3.3	-4.2	-3.2	-3.1	2.1	10.1	18.2	22.3	21.7	10.7	2.3	-3.0	26.4				
AA-101-096	08 MAY 80	10 26	-2.3	-1.5	-.2	.6	2.0	5.4	11.3	18.9	18.2	19.8				19.7				
AA-102-097	14 52	-.5	-1.6	-2.7	-1.7	-1.3	1.5	8.3	16.9	25.0	31.3	26.3	13.8	10.4	3.7	29.5				

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-008-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE E37

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-052	05 FEB 80	13 37	14.8	12.2	12.4	12.7	10.5	8.5								6.9	13.1
AA-101-054	13 FEB 80	11 26	25.6	23.1	22.6	23.9	22.3	22.0								11.5	24.6
-055		11 53	29.1	27.1	25.6											13.3	28.9
-056		12 4	29.9	27.6	27.0	27.8	26.4									15.0	28.8
AA-101-065	20 FEB 80	11 19	35.1	30.0	26.6	25.1	24.6	23.4	21.8	20.3						10.6	20.8
AA-102-067		13 11	18.4	7.9	.4	-5.8	-8.5	-10.0	-9.0	-6.5	-11.1	-8.4	-14.8			1.6	-1.4
AA-101-069	21 FEB 80	14 13	10.6	6.3	4.5	3.1	-1.9	-1.2	-.5	-1.4	-3.8	-1.3			2.1	3.9	
AA-102-070		14 33	26.0	23.3	21.1	19.4	18.1	16.1	14.6	16.3						18.4	21.1
AA-102-071	22 FEB 80	14 48	-1.1	-2.0	-.3	-.9	.5	.4	-.3	3.8	3.0					2.0	2.0
-072		14 53	-4.4	-5.5	-3.1	-1.3	-3.0	-3.2	-4.4	-1.1	-2.2	-1.5				-.2	-.5
AA-101-073	27 FEB 80	11 57	16.6	14.2	12.9	10.9	9.4	8.1								13.3	14.5
AA-101-074	01 APR 80	11 3	31.9	29.0	27.5	26.3	25.9	24.7	24.7	22.5						15.5	25.6
-075		11 22	27.0	24.0	21.9	20.1	20.8	19.8								8.2	19.3
AA-101-076	03 APR 80	11 17	20.7	17.6	13.9											6.0	14.1
-077		14 12	10.9	5.4	2.4	.3	.3	-.4	.7	-.2	-1.1	1.4				6.3	5.5
AA-101-080	10 APR 80	9 39	20.1	18.4	16.3	15.5	14.5	13.4								11.1	17.4
-081		10 47	17.6	16.3	14.5	13.3	12.7	11.4								13.7	15.7
-082		11 47	20.8	19.2	16.6	15.4	11.6									18.9	18.5
-083		12 3	16.6	16.4	14.3	13.9	13.8	12.2								5.9	13.4
AA-101-087	11 APR 80	10 51	24.0	21.5	19.1	17.5	16.3									12.2	20.4
AA-101-088	16 APR 80	10 4	18.4	14.9	13.7	11.8	13.0									8.4	15.5
AA-101-089	17 APR 80	11 23	25.5	22.9	21.1	20.7	19.9	18.3								12.2	21.4
AA-101-090	18 APR 80	11 6	23.1	19.4	17.8	17.5	17.4	16.0								9.1	18.4
AA-101-092	22 APR 80	11 2	27.6	27.0	25.6	24.8	25.0	24.0								25.2	27.0
AA-102-093		14 10	-3.2	-2.2	-1.8	.4	.3	-1.3	1.0	1.0	.0					3.6	.5
AA-101-096	08 MAY 80	10 26														4.7	15.1
AA-102-097		14 52	3.5	3.6	.4	2.3	3.5	2.7	2.9	2.9	2.3					6.6	4.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON  $L_{1/3} + ABS$  NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 67  
 PAGE D38

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-101-098	09 MAY 80	10 40	.8	1.6	2.0	2.8	4.8	6.5	11.6	19.0	25.6	31.5	32.5	29.1	27.2	25.7	26.4		
-099		12 29	1.1	1.5	1.9	2.6	5.8	7.3	12.3	19.6	25.8	29.3	30.4	25.5	22.8	22.0	29.5		
AA-102-100		14 34	.1	-2.1	-1.6	-1.5	.6	3.6	12.2	20.3	22.7	24.5	21.1	10.7	6.9	3.3	29.1		
AA-103-101	09 SEP 80	7 10	-.3	1.6	-.9	-.3	1.7	8.5	18.5	28.8	38.0	33.0	24.9	22.3	18.4	29.5			
-103		7 24	.2	1.2	-1.0	-.6	1.1	1.9	9.3	18.8	30.4	40.0	38.9	31.6	28.6	22.2			
-105		7 35	1.0	2.1	-.3	.0	1.4	2.4	9.1	18.5	29.3	38.7	36.5	28.7	24.9	17.4			
-107		7 45	1.2	2.6	.4	.8	1.8	3.0	9.4	18.9	29.6	39.5	39.0	30.5	26.1	19.1			
-109		7 55	1.4	3.0	1.2	1.4	3.1	9.3	18.4	30.5	38.4	39.0	33.0	33.5	31.8	30.0			
-111		12 26	5.2	6.9	6.3	9.2	12.0	14.6	20.7	26.4	33.0	35.2	35.5	30.0	26.1	24.5			
-112		12 58	6.8	10.8	11.1	15.5	16.3	19.7	25.0	29.2	32.9	36.8	35.6	31.4	31.5	29.5			
-114		13 10	10.9	10.5	13.3	13.3	16.3	19.8	25.1	30.0	32.4	35.8	35.3	30.5	30.2	29.3			
-116		13 23	4.8	7.9	10.4	13.8	16.2	22.6	30.2	34.9	33.2	28.7	29.1	28.7	30.4	32.7			
-118		13 37	6.3	9.6	9.2	10.8	13.8	16.4	21.6	26.4	33.3	36.6	35.1	30.2	30.5	30.0			
-120		13 53	9.4	13.0	13.6	16.0	19.3	20.5	25.8	29.7	33.2	36.9	36.0	31.1	32.1	31.2			
-122		14 8	5.9	10.3	10.6	12.6	17.1	20.3	26.0	28.5	32.3	34.4	33.7	29.3	29.6	29.0			
AA-104-102		7 17	.7	-1.2	-2.1	-1.3	.5	3.5	12.4	24.4	31.2	35.2	27.6	20.0	13.7	9.8			
-104		7 30	.5	.2	-1.4	-.3	.5	3.1	9.8	18.9	26.1	33.5	27.5	14.8	11.9	9.8			
-106		7 40	.0	-1.2	-2.7	-1.3	.5	2.8	10.1	20.5	25.4	32.9	26.7	15.3	10.5	6.6			
-113		13 4	-.1	-1.1	-3.1	-1.8	-.1	2.3	8.5	16.7	25.7	28.8	25.2	6.6	2.4	1.2			
-115		13 16	1.0	-1.0	-3.0	-1.5	.4	1.9	8.4	19.2	26.1	30.3	27.3	11.2	7.8	6.7			
-117		13 29	-1.2	-1.9	-3.8	-2.3	-2.0	.1	5.1	15.0	23.4	26.6	26.2	9.8	6.3	5.1			
-119		13 47	.6	-.2	-2.4	-1.0	-.7	2.8	7.7	15.1	21.3	26.2	25.6	8.7	3.3	2.2			
-121		14 3	-2.0	-2.8	-5.2	-3.8	-2.6	1.3	9.3	15.3	20.7	24.1	20.4	5.2	3.1	2.1			
-123		14 13	-2.2	-1.1	-3.3	-2.0	-1.0	1.5	7.8	18.3	23.0	28.2	27.1	12.1	7.7	4.9			
-124		15 18	.4	-.2	-.2	-.2	-.5	1.5	7.0	18.0	27.7	31.3	27.2	16.5	10.5	8.3			
AA-109-125	10 SEP 80	6 58	-.5	-.5	-2.2	-2.8	-2.6	-2.7	.4	6.2	16.5	29.1	30.8	21.1	17.9	12.3			
-127		7 11	1.1	.9	-.8	-1.6	-1.1	-1.2	1.3	6.4	16.4	29.0	33.2	26.0	23.4	18.4			
-129		7 22	.4	-.1	-1.9	-2.0	-1.7	-1.9	1.0	5.9	16.1	27.4	31.8	24.2	23.4	20.4			
-131		7 33	1.2	1.1	-.8	-1.7	-1.4	-1.7	1.1	6.1	16.3	27.5	32.2	23.8	22.3	17.5			
-133		7 44	1.2	1.3	-.4	-1.1	-1.0	-.8	1.4	6.0	16.5	29.2	32.8	23.6	22.4	17.1			
-135		13 0	2.5	2.9	1.3	1.3	2.5	1.6	4.3	6.9	14.0	26.8	28.7	25.3	26.3	24.1			
-137		13 10	1.0	1.4	-.1	-.5	-.2	2.6	9.6	21.2	26.2	26.2	19.5	16.0	10.7				
-139		13 19	1.8	2.9	1.7	1.7	2.6	1.1	3.4	6.5	14.6	28.9	32.7	28.2	27.1	23.2			
-141		13 29	.9	.6	-1.1	-1.4	-1.0	-.5	3.3	10.7	24.4	27.6	23.0	21.9	18.5				
-143		13 44	1.0	1.0	-.6	-.9	-.2	-1.2	1.1	4.5	12.2	25.7	30.1	25.2	25.0	21.0			
AA-104-126		7 4	4.9	4.4	2.7	3.7	4.6	4.3	5.3	7.9	14.2	25.6	35.4	29.0	27.1	23.3			
-128		7 16	5.1	3.6	2.1	3.1	4.3	3.1	4.4	7.7	15.0	27.1	36.0	31.1	27.8	24.0			
-130		7 28	5.2	4.3	2.8	3.6	4.9	4.2	5.3	8.3	14.9	26.5	36.2	31.0	27.8	24.0			
-132		7 39	5.2	3.8	2.3	3.3	4.6	3.4	4.9	8.0	14.8	26.7	35.7	30.9	27.5	23.2			
-134		7 50	5.0	4.1	2.6	3.8	4.8	4.2	5.2	8.1	14.8	27.0	35.7	29.9	26.8	23.4			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-DOB-DB1

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE E39

TEST NO.	DATE	START TIME	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
AA-101-098	09 MAY 80	10 40	24.1	21.5	19.5	18.1	17.5	15.0										14.3	21.8
-099		12 29	21.6	20.0	18.8	17.6	16.1	11.4										13.8	18.8
AA-102-100		14 34	1.2	1.1	1.6	2.0	.0	-1.5	-8	-7.7								6.3	.4
AA-103-101	09 SEP 80	7 10	13.7	7.5	2.0	-1.4	-2.9	1.0	5.1	5.4	-1.7	-1.7						7.9	4.2
-103		7 24	16.0	10.1	5.1	6.9	7.6	13.2	11.0	10.1	7.0							11.6	11.3
-105		7 35	10.1	4.6	-1	1.2	3.1	4.7	5.7	7.3	5.0							10.1	6.8
-107		7 45	12.2	6.2	.0	-4.0	-2.5	.2	1.8	2.7	-1.1	-3.1						8.6	3.4
-109		7 55	27.2	25.4	21.4	17.2	15.6	11.8	10.8	12.6								13.8	19.5
-111		12 26	24.8	23.9	21.5	20.6	19.3	15.9	14.0									19.1	21.7
-112		12 58	27.5	26.6	25.7	25.9	24.8	21.3	20.4									26.8	26.7
-114		13 10	26.9	25.9	25.1	25.2	24.2	20.7	19.6									25.9	25.9
-116		13 23	26.0	25.4	25.0	24.6	23.1	19.6	18.2									23.7	24.8
-118		13 37	27.3	26.6	26.1	25.7	24.5	20.6										23.8	27.2
-120		13 53	28.8	28.2	27.4	27.2	25.7	22.1	20.2									27.4	27.6
-122		14 8	26.8	26.6	26.4	26.0	24.3	20.9	19.7									25.8	26.3
AA-104-102		7 17	6.1	5.3	2.5	9.4	13.4	5.9	6.6	10.3								9.1	8.0
-104		7 30	6.5	3.1	3.5	-1.9	1.2	2.5	2.1	2.8	2.1							8.0	3.6
-106		7 40	-2.8	-1.3	-1.6	-3.2	-3.5	-4	-1.6	-9	-4.5	-4.8	-4.0					5.4	-7
-113		13 4	-8	-3.7	-4.1	-1.4	-7	-3.2	-3.3	-2.2	-2.4	-5.9						6.0	-2
-115		13 16	4.2	.0	.8	2.4	2.6	1.6	1.2	2.4	1.3							8.3	4.0
-117		13 29	2.2	-1.5	-3.4	-4.0	-3.3	-4.0	-3.6	-3.4	-2.5							5.3	-5
-119		13 47	-1.1	-1.5	-4.1	-4.0	-2.9	-3.8	-5.5	-4.1	-3.5	-6.2						5.7	-8
-121		14 3	1.4	2.1	3.7	4.3	.6	.1	-1.4	-1.1	-2.0							6.7	2.9
-123		14 13	3.1	1.1	.0	2.8	2.3	-9	-1.7	-5	.0	-4.3						7.3	2.6
-124		15 18	4.0	.4	-3.9	-9	1.1	-1	-3.6	.4	.6	-1.8						7.4	1.5
AA-103-125	10 SEP 80	6 58	6.6	2.7	-7	-2	2.9	1.8	2.0	2.3	-7	-3.5						5.4	3.7
-127		7 11	13.0	7.2	1.4	.5	4.9	5.5	5.8	5.6	2.4							7.2	7.3
-129		7 22	15.3	10.3	5.1	2.2	5.0	5.8	9.9	7.5	4.1							7.0	8.6
-131		7 33	12.9	8.7	5.6	5.3	6.6	7.3	7.3	8.6	6.3							7.2	9.6
-133		7 44	10.9	5.7	1.9	3.1	5.2	4.5	4.8	4.0	.2	-2.7						6.8	6.0
-135		13 0	20.8	18.3	15.1	12.7	10.9	9.1	9.8	10.8								10.4	15.3
-137		13 10	5.9	3.1	.9	-1.6	-2.8	-4.8	-4.9	-4.3	-5.7	-8.5						3.9	.3
-139		13 19	19.9	17.0	14.4	12.1	10.5	8.3	8.8	10.5								10.0	14.7
-141		13 29	14.6	10.7	7.1	5.5	4.0	2.2	2.6	4.1	3.4							6.5	8.6
-143		13 44	16.7	14.3	10.4	7.9	6.6	4.1	4.4	6.2	7.4							7.5	10.8
AA-104-126		7 4	21.2	19.9	18.8	19.7	19.7	17.3	17.4	17.5								10.8	18.4
-128		7 16	21.9	21.2	20.2	21.1	20.6	18.4	18.1	18.8								10.3	18.7
-130		7 28	21.3	20.4	19.1	20.4	19.9	17.8	17.7	18.1								10.9	18.7
-132		7 39	20.6	18.3	16.4	17.6	16.9	14.9	15.3	15.7								10.5	17.3
-134		7 50	20.3	18.6	15.6	17.1	16.4	14.0	14.2	14.8								10.8	17.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B03-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE 039

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-145	16 SEP 80	7 19	.8	.5	-2.1	-2.6	-1.8	-2	7.0	16.6	30.7	40.3	37.7	24.6	17.0	8.6	36.2		
-147		7 34	.3	.3	-2.1	-2.2	-1.6	-1	6.0	15.3	28.9	37.8	34.1	25.7	22.1	19.4	32.2		
-149		7 47	.4	.7	-1.7	-1.6	-1.2	.5	5.5	13.9	25.8	37.5	35.9	25.5	26.4	23.9	29.1		
-151		8 0	1.1	1.3	-1.9	-1.8	-.4	5.0	12.5	24.3	34.4	34.2	25.9	26.0	25.9	30.4	29.5		
-153		8 12	2.5	2.6	.6	.4	2.3	6.2	13.6	28.4	37.3	38.6	33.0	32.8	31.3	29.5	23.3		
-156		13 21	4.1	5.3	4.0	5.4	6.0	8.7	12.5	17.5	27.6	39.1	39.6	33.1	33.8	31.2	32.2		
-158		13 49	3.5	6.2	4.9	6.2	7.8	8.2	12.4	17.5	27.7	39.1	39.6	33.1	33.7	32.5	32.2		
-159		13 51	3.7	7.0	6.4	7.9	9.9	10.9	15.4	20.3	30.3	41.4	41.3	35.8	36.6	34.9	31.3		
-160		13 54	4.4	6.2	5.1	6.0	7.6	7.9	12.3	17.1	26.6	39.1	39.0	33.8	34.1	32.3	32.7		
AA-104-157		13 42	.9	.5	-2.5	-2.0	-1	1.8	8.1	17.1	28.1	30.8	26.7	9.7	5.0	3.9	31.3		
-161		14 8	.1	-1.1	-3.3	-2.7	-1.7	1.8	7.9	15.8	26.2	32.3	27.1	10.7	6.0	4.2	24.6		
-162		14 11	-2	-1.4	-3.5	-3.3	-1.1	1.9	7.5	15.1	26.5	29.6	26.3	8.4	3.5	2.4	29.5		
-163		14 13	-1.5	-2.8	-4.6	-3.6	-1.4	2.5	7.8	14.3	21.8	24.4	20.6	4.9	.8	.1	35.3		
AA-108-146		7 28	.9	.0	-1.4	-1.5	-1.6	1.7	8.0	17.3	24.3	27.3	16.4	9.1	6.8	3.3	29.1		
-148		7 40	1.0	-1.0	-1.0	-1.0	-2	1.2	7.8	18.1	24.3	28.2	17.8	9.0	6.8	3.4	24.6		
-150		7 53	1.7	-2	-1.4	-1.3	1.5	7.6	16.9	21.9	24.9	17.5	9.4	8.0	8.4	30.4	30.0		
-152		8 6	1.2	-3	-1.3	-1.3	-1.0	5.1	13.5	21.9	26.6	19.8	15.4	15.0	12.9	30.0	30.0		
-154		8 21	1.3	.1	-1.3	-1.1	-1.4	1.2	5.8	13.2	22.5	25.9	20.0	13.4	12.9	13.2	30.0		
AA-103-164	17 SEP 80	7 5	13.1	15.2	15.8	17.0	19.9	21.2	26.7	29.4	34.0	39.2	40.6	37.5	39.1	37.3	29.0		
-165		7 12	14.8	15.4	17.7	18.3	21.4	23.3	27.8	31.3	35.0	40.5	41.0	38.0	39.5	37.7	36.7		
-166		7 20	12.7	15.4	15.7	18.3	21.9	24.5	28.2	32.4	36.9	41.8	43.3	39.8	41.3	39.5	31.3		
-170		7 44	13.0	15.0	15.7	17.7	18.4	19.2	22.9	25.6	30.0	37.6	39.9	36.3	36.4	36.0	35.3		
-171		7 47	9.2	10.6	9.7	9.7	10.1	11.3	13.2	15.5	19.7	28.0	34.0	33.8	35.1	33.0	32.6		
-175		13 12	6.1	6.9	6.0	5.1	6.5	6.9	8.4	13.5	22.2	34.2	28.7	26.1	21.0	29.5	29.5		
-176		13 22	5.0	5.9	4.3	3.0	4.0	4.6	6.5	11.7	20.7	33.7	30.8	23.7	21.5	17.0	29.5		
-177		13 24	6.3	6.7	4.9	4.3	5.6	5.8	8.0	12.7	22.1	31.1	28.8	26.8	22.3	32.6	32.6		
-178		13 28	6.6	6.8	5.3	4.8	6.2	5.7	7.3	12.3	20.7	33.7	28.6	27.2	22.3	35.3	35.3		
-179		13 34	6.6	7.2	5.5	4.9	6.2	6.6	8.7	12.7	21.4	33.6	30.2	29.5	25.9	29.0	29.0		
AA-104-167		7 27	-1.9	-3.6	-5.7	-5.1	-3.9	-2.3	.8	6.3	14.9	22.3	24.3	10.8	7.4	-2.3	35.8		
-168		7 30	-1.4	-2.5	-4.5	-4.6	-3.9	-3.7	.5	6.2	14.9	23.2	26.3	13.9	9.0	.0	32.2		
-169		7 33	-1.2	-3.5	-5.8	-5.5	-4.1	-3.4	.1	6.7	13.1	22.5	24.3	13.5	4.4	-3.7	30.4		
-172		8 4	-2.7	-7.2	-8.0	-8.1	-6.4	-4.4	.8	6.1	14.6	18.8	16.3	4.9	-3.5	-9.4	33.6		
-173		8 23	-1.3	-5.1	-6.2	-6.9	-6.1	-4.1	.5	13.0	22.3	27.2	25.5	13.2	4.8	1.4	39.4		
-174		8 27	-1.7	-5.2	-5.9	-6.3	-5.1	-2.5	2.4	12.0	22.0	29.5	23.0	10.9	2.8	-3.3	32.2		
-180		13 51	5.0	4.6	4.1	4.9	6.6	6.3	6.3	8.8	14.5	23.1	29.3	28.4	26.3	21.6	31.1		
-181		14 2	4.2	4.2	3.6	4.8	5.7	5.5	6.1	9.0	15.3	26.0	33.6	29.9	27.2	21.9	28.2		
-182		14 4	3.2	2.6	1.9	2.8	3.2	3.2	4.1	7.6	14.4	25.3	32.0	27.9	25.5	21.8	31.4		
-183		14 6	3.3	3.1	2.3	3.1	4.3	3.5	4.2	7.2	14.1	25.3	30.5	27.6	25.8	20.7	28.7		
-185		14 8	4.2	3.8	3.1	4.5	5.3	4.9	5.6	8.8	15.2	25.6	31.5	29.6	28.4	24.0	30.0		





TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-103-081  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE D40

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE D40

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-188	19 SEP 80	7 1	-3	-2	-1.3	-1.0	-5	2.6	7.5	17.8	30.6	35.4	27.8	27.1	23.5	31.4			
-189		7 3	.5	.8	-8	-8	-7	-5	2.6	8.3	19.9	31.5	35.3	27.2	26.9	22.8			
-192		7 21	.3	.8	-4	-4	-1	.1	2.9	8.0	19.1	33.4	37.9	28.9	27.6	24.1			
-193		7 23	.8	1.4	-1	0	.2	.4	3.3	8.3	19.9	33.4	37.6	29.4	27.4	25.2			
-194		7 25	-6	-7	-2.8	-3.3	-2.9	-2.4	1.0	6.9	17.4	29.9	30.6	21.5	20.4	17.7			
-200		7 52	-1.3	-1.8	-4.1	-4.5	-4.4	-3.3	1.1	6.6	17.6	24.4	21.8	9.9	5.8	1.1			
-201		7 54	-1.3	-1.8	-4.2	-4.8	-4.4	-3.0	1.2	5.7	17.4	24.5	20.9	9.5	7.4	6.8			
-202		7 56	-2.1	-2.1	-4.4	-4.8	-4.6	-3.1	1.4	6.3	17.0	24.2	23.5	12.2	9.2	7.4			
-203		7 58	-1.3	-1.5	-3.9	-4.2	-4.4	-3.3	1.3	7.1	17.1	27.3	26.5	14.1	9.7	4.3			
-204		8 0	-7	-6	-2.6	-2.9	-3.0	-2.4	1.8	7.5	17.8	29.0	30.4	18.9	14.8	8.7			
-205		8 2	.1	.0	-2.2	-2.6	-2.5	-1.9	1.5	7.0	16.4	30.5	33.4	22.0	17.3	9.6			
-206		8 14	.7	.3	1.7	-1.7	-1.5	-5	3.0	9.4	19.0	29.8	33.4	23.7	19.8	14.7			
-207		12 53	2.9	3.1	2.3	3.0	3.6	3.9	7.6	10.7	17.1	28.8	33.3	28.2	28.0	26.3			
-208		12 55	3.5	3.7	2.1	2.5	3.4	3.8	6.9	9.9	16.7	27.7	31.0	28.3	28.6	26.3			
-209		12 57	3.6	3.4	2.3	3.1	4.0	4.1	7.1	10.3	16.4	28.0	32.6	28.4	28.9	26.7			
-210		12 59	2.2	1.9	.8	.9	1.9	2.1	5.2	8.3	13.7	24.4	31.5	26.9	24.3	26.4			
AA-104-190		7 12	8.7	6.6	5.9	5.9	6.8	6.4	8.1	13.5	24.3	40.2	42.9	36.2	33.4	30.9			
-191		7 14	9.1	6.9	5.9	6.0	7.0	6.4	8.1	13.9	24.6	40.2	43.6	36.2	33.0	30.4			
-211		13 16	5.8	5.5	4.8	4.8	5.9	5.2	6.4	10.3	18.3	29.8	34.1	30.6	29.0	24.2			
-212		13 21	5.3	5.6	5.3	5.4	6.6	6.0	8.0	12.5	20.6	33.7	35.2	30.6	28.2	24.4			
-213		13 35	5.7	5.3	5.0	6.3	7.9	7.3	8.9	12.8	20.0	30.0	33.1	30.7	28.5	25.8			
AA-103-214	23 SEP 80	7 8	1.2	1.0	-1.6	-2.4	-1.5	.0	4.8	11.4	22.8	30.4	29.5	24.2	21.9	17.4			
-215		7 10	1.2	.7	-1.9	-2.6	-1.5	-.4	4.5	11.6	21.6	31.0	29.7	25.3	21.9	17.0			
-216		7 12	-.9	.4	-2.0	-2.3	-1.6	-.3	4.3	11.2	23.6	29.3	29.4	25.1	22.8	19.5			
-220		7 33	-1.2	.6	-1.5	-1.6	-.6	.7	5.7	13.1	23.9	32.8	31.0	26.4	24.5	21.6			
-221		7 35	.8	.1	-2.0	-3.0	-2.1	-.9	4.3	11.6	22.7	31.0	30.1	24.1	22.1	18.1			
AA-104-217		7 21	4.4	3.7	2.1	2.5	3.5	4.4	6.3	11.6	21.5	35.6	36.3	28.9	25.7	22.4			
-218		7 23	4.1	3.4	2.2	2.9	3.2	3.8	5.3	11.0	21.3	36.6	36.4	29.0	26.0	21.4			
-219		7 24	3.8	2.9	1.4	2.6	2.5	3.6	5.4	10.6	21.0	36.3	36.5	27.4	24.7	20.7			
-222		7 41	4.7	3.8	1.9	2.8	3.8	4.1	6.3	12.5	23.0	34.9	35.1	29.3	25.9	22.5			
-223		7 43	4.0	3.3	2.0	3.2	3.9	4.1	6.1	12.3	23.0	36.3	36.6	29.6	25.8	22.7			
-224		7 46	4.1	3.7	2.5	3.5	4.5	4.8	6.8	12.8	23.4	36.4	36.2	30.1	26.0	22.4			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE 540

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)		
			80	100	125	160	200	250	315	400	500	630	800	1000				
AA-103-188	19 SEP 80	7 1	19.9	17.7	12.8	9.9	7.1	8.9	12.7	15.0							8.8	14.6
-189		7 3	17.9	13.3	8.0	5.5	5.6	8.2	8.5	10.0	4.0						8.6	11.0
-192		7 21	19.0	13.8	8.0	3.1	1.0	4.2	7.7	8.1	.9						8.8	8.8
-193		7 23	21.0	15.0	8.5	3.4	1.1	2.3	7.9	6.6	3.7						9.1	9.3
-194		7 25	13.2	10.2	4.6	-1.4	1.2	5.8	4.8	6.8	3.8	3.3					6.4	7.6
-200		7 52	-2.0	-8	-1.1	2.5	-6	-2.1	-1.1	-6	-2.9	-5.5	-7.3				3.0	.2
-201		7 54	2.3	-2.2	-2	1.9	-2	-1.2	1.4	1.3	-3	-2.6					4.1	2.3
-202		7 56	8.2	1.5	.2	2.4	3.9	.9	2.9	2.7	1.2	-1.4					5.0	4.5
-203		7 58	1.0	2.4	-4	1.5	5.4	.4	3.8	3.9	2.1	.0					4.5	3.6
-204		8 0	4.9	6.8	1.7	2.0	5.4	3.8	3.4	4.4	2.8	.9					6.2	6.1
-205		8 2	2.8	1.2	1.3	-1.6	4.0	2.5	1.7	4.7	4.9	2.5					5.7	4.3
-206		8 14	8.3	4.3	.5	-2.3	-4.9	-3.4	-1.3	.5	-1.0	-5.8	-4.5				6.2	2.2
-207		12 53	23.2	21.1	18.4	16.8	15.4	13.5	15.0								12.7	19.7
-208		12 55	23.3	21.8	19.9	19.0	17.6	15.2	15.6	17.2							12.5	19.9
-209		12 57	24.3	22.7	20.6	18.5	17.0	14.7	15.3	17.2							12.7	20.3
-210		12 59	22.5	20.7	18.9	17.7	16.2	13.7	15.2								10.6	18.8
AA-104-190		7 12	29.8	28.8	27.8	29.4	28.1	25.7	26.0	28.1							14.3	24.0
-191		7 14	29.8	28.6	27.0	28.2	27.5	24.6	25.0	27.3							14.4	24.0
-211		13 16	20.7	18.5	16.1	16.9	16.5	13.9	15.0	17.4							12.2	17.8
-212		13 21	21.7	19.5	16.6	17.8	17.1	14.2									13.7	19.2
-213		13 35	22.6	20.1	17.9	19.0	19.0	16.7									14.3	19.9
AA-103-214	23 SEP 80	7 8	12.7	11.0	10.2	7.5	9.2	8.8	8.6	11.0							8.8	12.6
-215		7 10	11.5	8.0	4.8	2.7	5.3	5.3	7.1	9.1	7.4						8.0	8.8
-216		7 12	14.9	11.7	9.2	5.2	6.2	3.7	4.5	4.5	-1.0						8.3	8.8
-220		7 33	17.6	15.2	13.9	9.8	10.2	9.9	11.1								9.8	14.4
-221		7 35	13.3	11.2	9.6	6.0	8.5	7.3	8.0								8.2	11.4
AA-104-217		7 21	20.2	18.3	17.0	17.0	15.0	11.8	11.1	11.0							11.3	16.5
-218		7 23	18.7	16.7	14.4	15.3	14.3	10.5	9.5	9.9							10.8	15.3
-219		7 24	17.1	14.4	12.3	12.3	10.8	7.8	7.1	6.4	4.5						10.2	11.7
-222		7 41	20.9	19.0	17.1	17.4	14.7	11.6	10.7	10.7	8.6						11.4	15.2
-223		7 43	20.3	17.7	15.9	16.2	14.9	11.7	11.2	11.3							11.4	16.1
-224		7 46	20.9	19.0	17.2	17.9	16.8	13.2	12.7	12.5	10.9						11.9	16.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE D41

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-235	24 SEP 80	6 59	1.0	1.6	-1.3	-1.4	.6	2.4	8.2	16.9	28.0	37.6	35.8	29.4	27.4	22.1	30.4		
-236		7 1	.0	.3	-1.5	-1.2	-1.1	1.9	8.8	17.9	24.7	31.7	30.8	23.1	19.6	11.1	30.4		
-237		7 3	.2	.9	-1.2	-.8	2.8	9.4	18.5	27.5	37.5	33.6	24.5	21.6	14.5		32.2		
-238		7 4	1.1	.8	-1.5	-1.3	.8	3.1	10.5	19.9	27.9	34.9	28.9	19.8	16.5	11.6	31.8		
-243		7 24	.3	.5	-1.0	-1.1	.8	2.2	7.6	16.5	27.2	37.2	34.9	26.3	25.2	19.7	31.8		
-244		7 26	.0	.6	-1.0	-1.1	.7	2.3	8.4	17.0	28.6	37.2	32.8	24.4	23.1	19.0	29.5		
-245		7 27	.8	1.2	-.6	-.3	.6	2.8	8.9	20.1	29.2	35.4	33.5	24.0	21.2	16.3	31.8		
-246		7 29	.9	.8	-1.0	-.7	.0	1.9	8.6	18.9	28.6	36.6	31.8	22.1	19.4	15.2	31.8		
-247		7 31	1.9	1.3	-1.5	-1.5	1.6	7.6	16.7	26.4	34.4	31.4	19.6	14.8	8.3		32.2		
-248		7 32	.0	.3	-2.0	-1.3	-.4	1.9	8.7	16.6	26.7	38.0	33.4	21.7	16.4	9.9	31.3		
-257		15 0	.6	3.3	1.0	1.2	1.6	2.2	6.8	13.8	26.6	36.7	36.2	28.7	27.3	21.7	18.8		
-258		15 1	3.8	4.5	2.6	2.8	3.5	3.5	7.8	13.5	25.3	36.9	38.3	33.1	32.9	29.5	30.9		
-259		15 3	2.3	3.2	1.1	1.2	1.9	2.4	6.8	12.7	26.2	35.6	37.0	32.7	28.8	20.6	20.6		
-260		15 4	2.6	3.4	1.4	1.6	2.8	2.7	7.0	12.1	23.1	35.3	36.0	31.1	31.1	28.2	31.8		
-261		15 6	3.5	4.5	2.9	3.2	4.4	4.5	8.9	13.9	25.0	36.6	36.5	31.0	30.6	27.8	31.3		
AA-104-239		7 12	5.7	4.9	3.1	4.4	5.6	5.8	8.5	14.5	25.6	39.6	37.6	30.6	28.2	25.9	30.9		
-262		15 17	3.3	3.2	1.6	3.1	3.8	5.2	6.5	10.0	17.4	28.6	31.6	23.8	21.8	19.6	32.7		
-263		15 18	2.7	2.6	.9	2.0	2.3	4.3	5.6	10.4	20.4	31.1	31.7	21.3	18.7	16.2	25.9		
-264		15 24	2.9	1.9	.2	.4	1.8	2.1	6.4	16.0	27.4	27.3	19.9	20.0	17.6		22.3		
-265		15 26	.7	.7	-.6	-.2	-.5	.9	2.3	8.1	19.9	32.1	32.1	22.2	14.7	11.9	29.2		
-266		15 28	2.0	.9	-.8	.0	.2	1.4	3.1	8.5	20.1	33.2	33.3	21.5	18.5	13.8	33.2		
AA-103-267	25 SEP 80	7 10	.3	.1	-1.6	-2.0	-1.4	.0	5.3	13.9	27.6	42.1	40.2	32.2	29.7	25.8	31.4		
-268		7 14	1.4	1.1	-.5	-.5	-.2	.9	5.5	13.2	27.0	41.2	39.3	31.2	29.9	25.0	31.4		
-269		7 17	2.0	1.9	.4	.3	.6	1.7	6.0	13.2	27.5	40.7	39.9	32.8	31.5	28.5	32.3		
-270		7 19	2.0	1.7	.5	.5	.9	1.7	6.3	14.3	28.2	39.9	38.4	30.2	28.3	25.5	31.4		
-271		7 22	2.0	2.2	.7	.6	1.3	2.1	6.6	14.3	29.5	40.6	40.0	34.4	33.1	29.8	31.3		
-277		7 50	2.0	2.5	.9	.6	1.5	2.7	7.6	14.6	28.9	39.6	39.1	32.6	32.5	29.3	22.8		
-278		7 51	3.2	3.4	1.5	1.1	1.9	2.7	7.3	14.8	29.1	40.3	39.9	33.0	33.2	30.9	30.4		
AA-104-272		7 30	.9	-.2	-1.9	-.6	.5	1.2	5.4	19.5	26.7	37.3	38.1	27.4	23.5	21.1	35.8		
-273		7 32	.9	-.7	-2.3	-1.2	-.3	.7	4.8	13.1	27.7	36.1	37.9	28.9	22.0	17.4	31.3		
-274		7 34	.9	-.4	-2.0	-1.2	-.4	.5	4.5	12.9	25.8	31.1	35.7	27.3	22.2	19.0	32.6		
-275		7 36	.7	-.4	-1.9	-.8	.0	1.2	5.3	13.7	28.6	32.3	33.5	25.1	21.7	19.4	36.7		
-276		7 38	1.5	-.1	-1.7	-.7	.3	1.4	5.1	13.5	28.6	35.2	35.4	26.9	22.0	18.6	30.4		
-279		8 0	2.1	1.0	-.7	-.2	1.0	1.5	5.1	12.7	27.5	34.0	37.4	30.6	27.9	24.9	33.5		
-280		8 2	3.0	1.8	.1	.9	1.9	2.3	6.0	13.6	28.0	36.3	35.3	30.8	26.6	26.2	40.7		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-809-081

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE E41

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
AA-103-235	24 SEP 80	6 59	15.9	12.3	9.5	3.6	5.7	10.3	8.1	8.9								11.4	11.9
-236		7 1	6.9	7.0	2.1	3.2	6.4	3.7	3.4	3.3								9.6	7.0
-237		7 3	8.9	6.6	6.6	4.6	7.7	4.4	4.6	4.9								10.7	9.4
-238		7 4	11.1	7.0	7.2	10.2	12.0	7.7	10.7	8.7								11.2	11.2
-243		7 24	13.9	9.5	5.5	6.3	10.2	9.2	8.9	9.3								10.7	11.3
-244		7 26	15.0	11.1	9.0	10.5	12.2	8.9	10.3	9.8								11.2	13.3
-245		7 27	11.8	9.1	6.2	5.3	9.5	7.1	6.9	4.7								10.9	10.2
-246		7 29	12.8	10.6	6.5	8.1	9.8	9.2	9.1	8.5								10.8	12.1
-247		7 31	6.5	7.6	3.5	7.3	8.3	4.6	6.7	7.5								9.3	8.6
-248		7 32	6.4	8.9	7.9	11.9	11.3	9.1	11.0	11.8								10.0	10.9
-257		15 0	19.6	17.4	12.6	9.4	8.2	7.8	9.3									11.8	15.0
-258		15 1	26.7	24.6	22.3	19.8	17.0	14.4	15.4	17.6								13.6	21.6
-259		15 3	25.9	24.5	21.8	18.9	16.7	14.5	14.9	16.2								12.3	21.1
-260		15 4	26.1	24.5	22.0	19.7	17.5	15.3	16.0	17.5								12.8	21.3
-261		15 6	25.3	23.8	22.4	20.6	18.1	15.2	15.4	17.0								14.4	21.5
AA-104-239		7 12	25.5	23.4	22.0	23.3	22.9	20.6	20.5	20.1								12.8	21.9
-262		15 17	17.2	15.2	13.7	14.4	13.8	11.0	10.8	11.8								10.6	15.0
-263		15 18	14.6	13.1	12.0	12.4	11.3	8.2	7.7									9.9	13.6
-264		15 24	14.4	12.1	11.2	10.1	8.3	4.6	4.8	6.2								6.0	9.8
-265		15 26	8.9	6.0	2.8	3.0	3.6	3.0	5.2	6.4								6.6	7.3
-266		15 28	10.3	7.0	4.0	4.3	1.8	-1.1	-1.0	1.3								7.2	5.1
AA-103-267	25 SEP 80	7 10	13.7	5.6	4.1	7.2	12.6	16.0										9.2	11.2
-268		7 14	17.8	10.4	2.8	.7	4.7	9.3	10.1	10.4								9.4	8.8
-269		7 17	24.6	19.6	14.1	8.5	6.6	7.8	6.8	11.1								10.7	14.1
-270		7 19	20.4	14.3	8.0	4.1	1.5	-2	1.0	-5								9.4	6.2
-271		7 22	26.5	24.7	18.4	14.7	11.6	7.9	7.6	8.5				2.0	-2.7			11.7	14.9
-277		7 50	27.9	25.4	22.5	19.0	16.3	11.2	10.7	16.9								12.5	19.7
-278		7 51	25.3	18.3	10.0	4.6	-3	-3.0	1.0	4.1								10.5	7.0
AA-104-272		7 30	17.9	11.0	3.9	-7	-2.9	-3.8	-4.2	3.3								7.1	2.3
-273		7 32	17.4	15.3	9.4	5.6	2.0	1.8	1.3	.7								7.7	6.5
-274		7 34	17.9	16.6	14.3	10.2	4.3	-1	4.0	4.6								8.1	8.5
-275		7 36	19.7	19.8	17.1	14.1	8.6	3.5	3.0	6.3								8.5	8.8
-276		7 38	18.8	19.1	18.6	18.2	16.6	13.4	13.1									9.1	17.6
-279		8 0	23.7	21.6	21.0	22.2	20.7	17.9										9.4	20.2
-280		8 2	24.5	24.7	22.8	22.2	21.4	18.4	18.8	18.0								10.4	20.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-908-001

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE 042

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-281	30 SEP 80	14 15	3.1	3.4	2.0	2.9	4.1	5.3	10.6	16.8	28.5	36.4	34.7	29.3	27.8	26.1	31.3
-282		14 17	3.2	4.1	2.4	3.4	4.6	5.6	10.7	16.3	27.6	36.3	34.9	29.2	28.0	27.3	31.3
-283		14 19	2.3	2.9	1.4	2.5	3.7	5.3	10.5	16.6	27.5	36.4	35.4	30.1	27.7	27.2	31.3
-284		14 21	3.1	3.5	2.0	3.0	3.6	5.0	10.9	17.5	27.5	32.7	32.7	27.3	25.1	24.2	31.3
-285		14 22	3.4	4.3	3.4	5.2	6.8	8.6	13.0	19.0	29.0	36.2	34.2	29.5	28.4	26.3	31.3
-291		14 44	3.6	3.8	2.5	3.3	4.8	5.3	10.8	16.8	27.1	34.3	34.8	29.9	28.4	27.9	32.6
-292		14 47	3.5	4.0	2.5	3.2	4.9	5.3	10.6	17.2	28.4	35.0	34.8	31.5	29.5	28.9	32.2
-293		14 48	3.1	3.3	1.3	2.0	3.5	4.2	9.3	15.7	28.9	33.5	34.2	29.0	27.3	26.6	34.0
-294		14 50	1.8	2.1	1.3	1.0	3.2	3.2	9.7	18.2	28.9	32.1	32.4	26.7	25.5	23.9	30.4
-295		14 53	3.2	3.3	1.6	2.0	3.0	4.0	9.2	16.1	28.6	36.3	34.1	29.4	27.1	25.7	31.7
AA-104-286		14 30	2.4	1.8	.9	1.9	3.5	3.8	6.7	12.2	21.3	28.7	26.8	19.1	13.8	12.3	31.7
-287		14 31	2.1	1.6	.6	1.6	3.1	3.9	7.1	13.6	24.8	31.9	28.7	20.3	16.0	15.4	31.7
-288		14 33	2.3	1.3	.1	1.5	3.7	5.2	8.7	14.5	23.5	31.6	30.6	20.8	15.6	15.2	31.7
-289		14 34	3.8	2.7	1.4	2.2	3.7	4.7	7.8	13.2	22.9	30.7	30.6	21.2	16.6	17.1	30.4
-290		14 37	3.0	2.1	1.2	2.7	4.9	5.8	9.0	14.8	23.8	30.3	29.2	19.1	14.0	13.6	32.6
-296		15 13	2.5	2.2	.6	1.3	3.2	3.4	7.2	13.7	24.0	29.8	28.7	18.8	13.4	12.8	31.3
-297		15 25	2.4	1.5	.2	.8	2.3	2.8	7.0	15.0	25.9	30.9	29.9	18.9	12.8	11.2	31.3
AA-103-299	01 OCT 80	7 0	-6	-7	-3.3	-3.4	-1.1	2.6	11.2	21.9	33.5	37.5	35.2	30.1	30.1	17.9	31.3
-300		7 2	-4	-6	-3.1	-3.0	-9	2.5	10.8	21.1	33.7	40.3	38.4	33.8	25.8	15.5	25.5
-301		7 3	.1	-3	-2.8	-3.1	-6	2.7	11.4	22.2	34.3	38.1	33.1	29.3	30.5	20.0	32.2
-302		7 5	.1	-3	-3.1	-3.4	-1.2	2.1	10.4	22.3	33.8	36.2	34.2	28.1	28.5	17.6	22.4
-303		7 7	.2	-4	-2.9	-3.1	-8	2.3	10.6	21.3	32.9	36.5	31.9	21.2	16.8	8.9	32.3
-309		7 32	.7	.5	-1.9	-1.7	-9	3.2	10.7	22.1		36.9	27.6	23.6	17.3		35.4
-310		7 33	.5	.6	-1.8	-1.5	-5	3.3	11.1	22.3	35.4	41.4	37.1	25.7	21.8	15.7	28.6
-311		7 35	1.0	1.0	-1.5	-1.4	-5	3.4	10.8	22.1	35.8	43.0	37.4	24.4	19.9	13.4	31.3
-312		7 36	1.3	1.1	-1.0	-1.0	.1	3.6	11.1	22.0	35.4	42.5	39.0	28.0	23.9	16.5	31.3
-313		7 38	1.6	1.4	-1.0	-6	.3	4.0	11.3	22.8	36.3	43.6	41.2	30.9	25.5	17.6	32.7
-319		7 59	2.3	1.9	-2	.1	.7	3.2	9.9	20.6	32.5	39.7	37.0	27.1	25.6	19.6	35.4
-320		8 0	2.6	2.2	.3	.0	1.2	3.7	10.2	20.7	34.1		27.5	26.3	20.6		15.2
-321		8 1	3.4	2.6	-1.1	.3	1.1	3.8	10.1	20.1	33.7	42.0	38.6	28.7	27.1	21.0	24.6
-322		8 3	4.8	3.8	.9	1.1	2.1	4.6	10.9	21.0	32.8	41.8	39.6	33.2	31.6	27.2	32.2
-323		8 8	4.4	4.5	1.6	1.0	2.1	4.7	10.7	21.2	35.7	43.6	41.0	34.6	33.8	30.3	32.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE E42

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	MR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-281	30 SEP 80	14 15	(	24.1	21.9	19.3	18.1	15.9	13.2								15.5	21.5
-282		14 17	(	24.7	23.1	20.9	19.8	17.7	15.4	16.5							15.5	22.2
-283		14 19	(	25.5	23.3	20.8	20.0	18.3	16.0								15.0	21.9
-284		14 21	(	22.0	20.0	17.9	16.4	14.5	12.2	12.5	14.3						15.2	18.9
-285		14 22	(	25.1	23.0	20.5	19.1	17.5	15.7	16.4							17.6	22.3
-291		14 44	(	25.5	23.4	21.0	20.0	18.6	16.5	17.3							15.6	22.7
-292		14 47	(	27.5	24.9	22.7	22.2	21.2	18.7	17.2							15.0	23.6
-293		14 48	(	24.3	22.7	20.5	19.0	17.6	15.7	16.6							14.7	22.0
-294		14 50	(	21.9	19.3	15.9	14.5	13.0	10.9	11.1	12.0						13.8	17.6
-295		14 53	(	23.6	20.5	17.6	16.4	14.1	11.8	12.3	14.1						14.4	19.2
AA-104-286		14 30	(	11.3	9.6	8.1	9.0	8.2	6.0	6.5	7.3						9.5	10.3
-287		14 31	(	13.4	11.3	9.6	10.3	9.0	6.1	5.8	6.7	8.0					11.0	11.5
-288		14 33	(	14.2	11.9	10.6	11.3	10.5	8.1	8.6	9.9						11.8	13.2
-289		14 34	(	15.9	14.0	12.5	13.1	12.2	9.6	10.0	11.7						11.6	14.3
-290		14 37	(	11.6	9.9	8.0	8.8	8.2	6.3	6.8	8.4						12.6	11.5
-296		15 13	(	11.8	10.0	8.2	9.2	8.5	6.1	6.2	7.2						10.3	10.4
-297		15 25	(	9.1	7.4	6.0	6.3	5.1	3.0	3.7	5.6	6.9					10.2	8.0
AA-103-299	01 OCT 80	7 0	(	8.6	9.0	8.7	15.5	16.3	15.3								11.4	14.9
-300		7 2	(	6.7	7.0	9.5	13.1	17.0	14.0								11.4	13.8
-301		7 3	(	7.3	5.8	11.9	16.0	18.5	18.1	22.1	23.9						11.9	14.5
-302		7 5	(	6.2	4.8	11.1	13.3	17.7	14.7								10.8	12.7
-303		7 7	(	2.4	4.0	6.3	6.9	10.1	7.9	10.5	11.6						9.6	8.6
-309		7 32	(	8.9	3.5	2.8	5.8	9.6	5.5	10.6	10.8						10.3	9.4
-310		7 33	(	7.8	1.9	-1.8	4.9	6.8	7.2	7.9	9.3	6.1					9.6	7.1
-311		7 35	(	5.5	-2.2	-1.7	6.7	8.5	8.2	10.8	7.8	5.6					9.5	6.8
-312		7 36	(	7.9	1.6	.0	6.2	11.0	9.8	10.4	10.5	10.1	6.5				10.3	8.2
-313		7 38	(	8.6	3.2	1.6	8.4	10.0	9.7	9.1	11.7	9.9	7.2				11.0	9.3
-319		7 59	(	12.7	5.0	-2.6	-6.4	-3.1	1.8	4.0	7.6	3.4					8.1	3.0
-320		8 0	(	13.6	6.0	-1.7	-6.5	-5.1	-1.3	1.1	6.5	4.2					7.8	2.3
-321		8 1	(	13.9	6.2	-1.4	-6.6	-6.2	-2.3	.5	5.1	3.8					7.4	1.8
-322		8 3	(	21.7	16.1	7.9	1.1	-2.3	-1.5	5.5	8.8	11.4	7.3				11.1	6.8
-323		8 8	(	25.5	20.2	12.9	6.9	3.7	3.1	8.6	14.5	11.7	7.9				13.1	11.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-001

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE 049

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	-2.3	-5.1	-6.2	-5.3	-1.2	2.3	13.1	17.0	22.6	29.0	23.0	11.7	5.0	-1.3	31.7
-305		7 19	-2.4	-5.0	-6.0	-4.9	-1.4	5.2	8.9	10.9	13.2	17.6	8.4	-2.5	-3.8	-4.5	31.3
-306		7 21	-3.7	-5.9	-7.0	-5.9	-1.3	3.7	9.9	14.7	22.8	23.6	12.0	1.2	-1.5	-2.1	31.7
-307		7 22	-3.0	-5.2	-6.0	-4.7	-1.5	4.2	11.9	21.0	24.5	25.0	13.4	2.8	.6	-1.1	32.6
-308		7 24	-2.8	-5.0	-6.0	-4.9	-1.5	4.2	11.1	19.0	21.1	22.9	13.2	2.8	3.6	-2.4	31.8
-314		7 44	-.8	-2.2	-2.9	-1.9	1.1	2.9	10.8	22.5	28.4	31.7	25.9	16.3	12.0	9.4	31.7
-315		7 46	-3.3	-4.2	-5.1	-3.8	-1.6	1.9	11.6	21.8	25.3	29.4	23.7	15.0	11.3	7.7	31.3
-316		7 47	-3.3	-3.9	-4.7	-3.6	-1.4	1.7	11.3	23.8	27.3	30.0	22.9	13.3	9.2	6.1	28.7
-317		7 49	-3.4	-4.3	-5.2	-4.1	-1.8	2.1	13.1	23.1	26.3	31.3	23.6	14.5	10.0	4.9	26.4
-318		7 50	-3.4	-5.0	-5.9	-5.1	-1.6	.8	10.4	20.2	24.3	28.2	22.1	12.2	10.1	6.9	27.8
-324		8 15	-1.7	-3.2	-4.0	-2.4	.3	1.6	9.1	21.3	27.7	30.9	22.8	16.7	11.3	9.2	30.0
-325		8 17	-3.5	-4.8	-5.9	-4.8	-1.8	1.2	12.0	12.9	14.5	19.5	15.1	4.5	-4	-1.2	33.6
-326		8 18	-3.3	-4.3	-5.2	-3.8	-1.2	.6	9.0	19.6	24.9	27.0	19.9	10.9	7.6	4.7	33.1
-327		8 20	-3.0	-3.9	-5.2	-3.9	-1.0	1.7	10.7	18.8	21.7	25.4	20.3	8.7	5.6	3.7	31.3
-328		8 22	-2.4	-3.5	-4.1	-2.7	-1.2	2.1	8.9	16.7	22.5	28.8	21.2	9.6	6.1	2.6	30.4
-329		8 24	-1.5	-2.4	-3.7	-2.9	-1.3	2.5	11.1	19.4	23.7	30.6	23.5	11.7	5.7	1.5	33.6
AA-105-330	16 DEC 80	7 29	.9	.2	-1.4	-1.6	-1.7	-2.6	.8	7.0	17.2	31.7	32.8	24.6	21.5	15.6	29.5
-331		7 31	-1.6	-1.1	-2.8	-3.0	-2.3	-3.7	.3	5.7	15.9	26.7	26.5	18.7	14.8	10.1	46.0
-332		7 34	1.4	.6	-1.3	-1.4	-1.4	-1.8	1.0	6.3	16.6	30.3	33.1	24.9	22.1	16.9	33.5
-333		7 36	3.8	3.1	1.9	2.1	2.1	.4	2.7	7.0	16.7	31.2	35.3	28.8	27.5	22.7	34.4
-334		7 39	1.7	1.7	-1.2	-2.2	.4	-1.2	1.6	7.1	17.6	27.6	30.1	23.1	21.6	18.2	34.4
-335		7 41	2.7	2.5	1.6	2.2	3.5	1.8	4.1	9.6	19.5	32.0	32.9	25.1	23.7	19.9	33.5
AA-106-336		7 51	5.0	4.6	4.1	4.5	5.2	4.7	5.5	9.3	15.7	25.3	30.4	28.5	27.1	23.2	32.7
-337		7 53	4.5	4.3	3.5	4.6	5.5	5.0	6.6	10.3	16.6	26.4	32.0	29.7	28.2	24.4	34.0
-338		7 56	5.6	5.3	5.2	6.1	6.8	6.2	7.6	11.7	17.7	26.9	30.8	29.5	28.6	25.3	37.6
-339		8 7	4.2	3.3	2.6	3.5	4.4	3.6	4.2	7.4	13.0	22.0	28.2	28.4	27.3	22.5	32.3
-340		8 9	6.0	5.3	4.9	6.2	7.8	6.9	8.1	11.5	17.3	26.5	31.4	30.2	28.8	25.0	35.4
-341		8 11	5.7	4.8	4.4	5.2	6.0	5.1	6.0	9.9	15.4	24.2	29.8	29.1	27.9	24.1	33.6
AA-105-342	17 DEC 80	8 2	.5	-1	-1.6	-2.0	-1.7	-3.6	.0	7.4	21.2	33.7	38.0	30.1	23.3	14.5	34.5
-343		8 8	.0	.0	-1.7	-2.0	-1.6	-3.5	.3	7.5	19.8	33.2	32.6	29.3	24.0	14.5	35.4
-344		8 10	.0	-1	-1.7	-1.9	-1.5	-3.5	.5	7.7	20.5	33.7	34.4	30.4	26.3	14.4	34.5
-345		8 12	.2	.2	-1.5	-1.8	-1.3	-3.4	.5	7.7	21.1	33.1	33.1	32.5	26.1	14.4	44.4
-346		8 14	.9	.7	-1.1	-1.4	-1.0	-3.1	.4	7.9	20.9	33.8	31.5	27.4	22.1	14.4	33.2
-354		13 13		5.4	5.8	7.8	10.0	9.2	11.9	15.9	22.2	31.1	32.8	30.0	30.9	29.8	49.3
-355		13 17		4.8	5.3	7.3	9.7	8.3	10.9	14.6	21.0	28.6	30.2	28.3	29.1	28.3	35.0
-356		13 18	3.5	6.2	6.8	8.8	10.9	10.4	13.3	18.3	24.7	31.1	31.9	28.9	30.0	29.0	34.5
-357		13 20		4.8	4.3	6.2	8.3	7.6	11.0	14.7	21.4	29.8	30.6	27.7	29.5	29.0	34.5
-358		13 22		5.9	6.3	9.8	13.2	12.8	16.7	22.4	27.0	32.3	32.5	29.2	30.6	29.5	34.5
-359		13 23															33.6



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87  
 PAGE E43

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000			
AA-104-304	01 OCT 80	7 17	-5	-3.1	-5.2	.6	-1.3	-3.0	1.0	3.9	3.4							4.6	-4	
-305		7 19	-5.9	-8.8	-9.1	-6.6	-8.1	-8.9	-5.2	-6.1	-8.6	-11.4	-16.2						-3	-7.0
-306		7 21	-4.1	-4.0	-5.3	-4.6	-3.0	-2.0	.6	1.5	1.4								3.4	-2.0
-307		7 22	.4	-4.8	-6.6	-5.3	-1.5	-3.0	3.5	6.6									4.2	-1.5
-308		7 24	-4.0	-4.5	-4.6	-2.6	-3.7	-4.6	-2.2	-1.1	-3.4	-5.4							3.6	-2.3
-314		7 44	7.8	6.7	6	.8	.5	5.6	5.0	7.0	5.5	1.2							8.5	4.5
-315		7 46	5.5	4.3	.8	-4	5.7	4.0	5.0	9.2	2.6								7.3	4.2
-316		7 47	3.9	4.4	-7	1.8	6.0	3.8	4.8	7.5	2.7								7.7	4.4
-317		7 49	1.2	-6	1.2	3	6.8	1.6	1.4	3.2	.5								6.7	2.8
-318		7 50	4.3	.9	1.2	3.6	5.3	4.0	.7	4.4	.6	-1.6							6.6	3.9
-324		8 15	6.5	1.7	-2.9	.9	5.3	1.0	-6	2.4	1.5	-2.8							6.8	2.0
-325		8 17	-2.0	-5.0	-6.3	-2.6	-3.1	-6.6	-5.1	-4.0	-4.8	-6.2							3.2	-3.0
-326		8 18	1.5	-3.0	-4.3	-1.0	.6	-1.0	-3.1	2.2	.2	-1.9							5.2	.0
-327		8 20	1.0	-2.6	-5.5	-6.0	-4.6	-4.5	-4.0	-2.9	-1.3	-4.6							4.0	-2.5
-328		8 22	.1	-2.7	-3.4	-7	-8	-2.3	-3.3	-4	.0	-2.4							5.5	-2
-329		8 24	-1.8	-4.1	-3.1	-8	-1.8	-3.4	-3.9	1.3	-1.0	-2.5							5.2	-7
AA-105-330	16 DEC 80	7 29	12.2	9.7	6.6	6.4	7.5	7.1	5.9										7.3	11.0
-331		7 31	8.4	7.6	4.3	6.2	5.2	1.5	2.3	-6									5.8	6.9
-332		7 34	11.9	6.5	5.2	6.4	6.7	5.8	3.6										7.3	9.9
-333		7 36	17.3	11.3	6.9	6.1	6.0	7.5	6.5										9.0	11.6
-334		7 39	14.4	10.1	7.2	5.7	5.7	5.7	4.2										7.9	10.4
-335		7 41	15.3	11.5	11.7	10.0	10.7	9.5											10.9	14.6
AA-106-336		7 51	20.5	17.8	16.9	16.9	14.4	12.1	8.8										11.3	16.0
-337		7 53	21.7	19.8	19.2	19.2	17.2	15.1											11.9	19.1
-338		7 56	22.9	20.8	19.6	19.4	17.8	15.7	15.3	14.3									13.2	18.7
-339		8 7	20.1	17.5	16.4	16.1	13.9	11.9											9.6	16.2
-340		8 9	22.0	20.2	19.4	18.9	17.2	15.3	15.3	13.3									13.2	18.3
-341		8 11	21.3	20.0	18.8	18.1	16.7	14.5											11.8	18.6
AA-105-342	17 DEC 80	8 2	7.8	2.6	4.4	3.5	10.4	4.0											6.3	8.5
-343		8 8	20.7	11.6	7.3	9.8	14.1	6.3											7.1	13.9
-344		8 10	21.0	10.3	5.9	9.9	14.8	6.3											7.1	13.7
-345		8 12	17.9	7.0	2.1	15.5	13.0	7.4											7.2	12.3
-346		8 14	15.6	5.5	1.7	12.9	11.0	7.3	4.5										7.3	10.5
-354		13 13	28.3	26.0	25.0	23.9	22.2	20.2											18.4	25.6
-355		13 17	26.5	24.2	23.7	23.4	22.2	20.2											17.2	24.6
-356		13 18	27.6	25.1	24.3	24.0	22.3	20.2											19.6	25.6
-357		13 20	27.5	25.3	25.0	24.7	23.0	21.0											17.2	25.4
-358		13 22	30.4	27.9	27.5	27.7	23.8	21.8											32.2	30.0
-359		13 23	28.5	25.6	25.4	25.6	23.5	21.4											21.6	26.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE D44

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-367	08 JAN 81	10 30	-2.3	-2.9	-2.6	2.7	13.7	24.9	32.1	35.5	34.9	30.6	23.8	17.3	15.0	12.0	35.4		
-368		10 31	-2.1	-2.8	-2.3	3.0	14.4			33.6	32.8	28.6	23.9	17.9	18.0	13.3	37.6		
-369		10 34	-1.7	-2.4	-1.8	3.9	15.8	25.9	31.4	37.6	36.2	33.5	29.2	23.8	23.8	19.2	34.5		
-370		10 35	-1.0	-2.1	-1.8	3.7	15.5			36.4	36.3	32.8	28.2	24.7	20.4	14.1	35.4		
-371		10 37	-1.2	-2.1	-1.4	4.4	16.8			35.8	37.4	34.3	28.7	25.1	20.5	16.6	35.4		
-372		10 39	-2.0	-2.0	-1.6	4.1								23.4	24.1	22.5	34.9		
-373		10 41	-1.5	-1.2	-1.2	4.2									23.2	21.5	35.4		
-374		10 43	-1.2	-1.2	-1.7	5.1									25.3	22.3	34.5		
-375		10 45	-1.4	-2.4	-1.6	3.5	13.9	19.8	25.9	32.4	32.5	28.3	23.3	18.2	18.5	14.9	36.8		
-376		10 46	-1.8	-2.0	-1.5	4.1	16.8			37.3	32.2	28.0	23.2	21.0	17.4		36.8		
-377		10 48	-1.8	-1.8	-1.3	4.5	16.0	25.8	23.6	38.8	36.9	33.3	28.6	23.5	19.6	13.6	34.6		
AA-105-378	09 JAN 81	8 48	-2.5	-3.0	-2.2	5.7	20.6	17.9	18.7	21.6	21.7	18.4	16.5	18.5	17.6	14.8	35.4		
-379		8 50	-2.2	-2.6	-1.8	6.1	19.2	21.3	21.9	21.9	23.4	20.3	18.8	20.5	18.6	18.0	35.9		
-380		8 51	-2.0	-2.3	-1.5	6.3	19.6	23.7	18.2	20.3	18.5	17.0	15.8	13.2	10.9	9.7	35.4		
-381		8 52	-1.3	-1.8	-1.0	6.5	22.5	19.9	21.1	22.5	26.1	25.0	19.9	17.0	18.3	16.3	36.3		
-382		8 57	-1.8	-1.8	-1.1	6.0	19.0	25.1	25.9	29.5	30.5	27.5	24.0	17.6	18.5	18.3	35.4		
-383		8 58	-1.8	-1.7	-1.0	6.0	20.2	30.5	26.8	26.7	29.2	26.7	23.7	20.6	18.1	14.6	36.7		
-384		8 59	-1.6	-1.5	-1.5	5.9	20.0	31.3	26.7	27.0	30.3	24.1	21.6	19.8	20.2	17.6	37.6		
-385		9 1	-1.9	-1.8	-1.3	6.1	20.6	28.5	29.8	31.0	28.3	22.1	20.8	17.2	15.3	14.2	35.4		
-386		9 2	-2.1	-2.2	-1.5	5.8	20.1	27.7	30.4	31.3	29.9	23.5	19.6	17.0	15.6	12.5	37.6		
-387		9 3	-1.9	-2.0	-1.2	6.2	20.6	25.5	28.1	30.3	28.3	24.8	21.1	18.8	16.3	15.7	39.9		
-388		14 9	-1.7	-1.1	-1.1	5.7	17.7			37.1	34.5			27.3	25.9	24.0	36.7		
-389		14 12	-1.6	-1.0	-1.4	5.8	18.2			37.5	34.3			27.6	26.0	23.6	32.7		
-390		14 14	-1.8	-1.0	-1.7	5.2	16.8			34.0	35.5			26.9	23.7	23.0	30.9		
AA-105-391		14 38	-3.1	-4.3	-2.4	4.2	19.9	22.9	25.5	29.7	30.7	24.8	18.7	15.2	12.3	8.6	15.7		
-392		14 42	-3.1	-4.4	-2.1	4.7	20.0	21.5	22.9	26.7	26.6	19.5	13.9	10.3	7.1	3.2	37.2		
-393		14 44	-3.1	-4.5	-2.6	4.3	20.3	22.4	24.2	26.5	27.4	20.7	14.2	10.2	6.0	2.2	32.7		
-394		14 45	-2.9	-4.3	-2.1	4.3	20.8	25.8	26.9	29.2	30.6	24.4	17.0	12.8	8.7	5.3	37.2		
-395		14 47	-3.2	-4.4	-2.4	4.1	20.7	26.0	24.7	27.9	30.0	23.5	16.3	13.1	10.6	7.4	35.4		
-396		14 49	-3.0	-4.3	-2.2	4.6	21.1	23.7	25.8	28.1	27.6	20.8	14.3	11.0	9.0	5.5	36.7		
-397		14 50	-2.1	-3.8	-1.8	4.3	21.1	25.5	26.6	28.4	29.3	23.4	17.3	13.2	10.4	7.1	38.5		
-398		14 52	-2.4	-4.1	-2.1	4.3	20.6	23.8	26.0	28.4	27.8	21.6	15.4	11.7	8.6	5.2	36.7		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 753 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E44

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
AA-105-367	08 JAN 81	10 30	10.3	6.3	3.5	1.2	-3	2.1	4.5								9.0	5.3	
-368		10 31	7.1	2.8	1.3	.5	.9	3.1	4.2									8.7	4.5
-369		10 34	14.4	9.0	7.0	7.8	6.5	7.2										12.2	10.8
-370		10 35	7.6	1.5	.7	2.9	1.5	2.3										9.1	4.8
-371		10 37	13.4	9.1	5.5	5.1	8.5	9.8										11.9	9.9
-372		10 39	21.0	17.0	14.8	11.3	7.1	8.1										13.7	14.5
-373		10 41	16.0	7.9	2.5	1.3	4.7	5.9										10.8	6.7
-374		10 43	17.7	10.8	6.6	5.8	8.6	7.7										13.2	10.7
-375		10 45	12.7	8.5	6.5	7.2	6.4	3.2										11.4	9.5
-376		10 46	12.6	7.8	6.8	7.3	6.9											12.4	10.7
-377		10 48	7.8	3.1	1.9	2.3	1.4	.7	3.3	.3	-2.8							8.9	4.0
AA-105-378	09 JAN 81	8 48	13.5	11.1	10.4	9.5	6.4	4.3	2.9	2.3	2.9	7.0	4.6					10.1	9.2
-379		8 50	16.5	13.5	14.2	13.8	13.0	12.3	10.7	9.3	6.2	6.2						11.6	14.1
-380		8 51	11.6	10.6	12.3	13.0	10.9	9.9	9.7	7.6	4.9							10.4	11.3
-381		8 52	15.8	13.8	14.1	13.0	9.1	6.2	3.9	.2	-3.4	-3.0	-1.0					10.3	7.9
-382		8 57	16.5	15.9	15.4	16.2	13.9	12.6	12.0	10.2	6.6							11.6	15.5
-383		8 58	13.6	11.7	12.2	13.5	12.2	12.5	12.3	10.5								11.2	14.0
-384		8 59	16.0	15.8	17.6	19.3	18.1	18.4										11.9	18.5
-385		9 1	14.9	12.4	14.0	15.1	14.0	13.7	13.3	11.4								10.7	14.8
-386		9 2	9.9	10.2	10.4	9.9	7.6	7.8	8.3	7.3								9.2	11.5
-387		9 3	13.5	13.4	14.2	13.8	11.4	10.3	7.5	5.1	2.6	2.7						11.2	12.1
-388		14 9	22.4	20.3	19.9	19.4	16.6	14.0										15.9	20.6
-389		14 12	21.7	19.4	18.7	18.7	16.0	12.5										15.9	19.7
-390		14 14	18.7	16.8	16.3	16.5	13.8	11.1										15.1	17.3
AA-106-391		14 38	4.3	1.7	.2	-1.4	-4.8	-7.1	-7.1	-9.3								2.1	-2.4
-392		14 42	-1.6	-4.1	-4.5	-4.5	-6.6	-9.3	-10.7	-12.8	-20.8							-3.5	-8.4
-393		14 44	-2.7	-4.2	-4.3	-3.7	-6.4	-9.9	-12.0									-4	-4.9
-394		14 45	1.3	-1.3	-2.1	-2.3	-5.6	-8.9	-9.3	-10.3								.5	-3.9
-395		14 47	4.0	.7	-9	-2.2	-8.9	-8.7	-10.2									1.2	-3.6
-396		14 49	1.0	-1.9	-2.8	-2.9	-6.9	-10.7	-12.7	-13.6	-21.6							-3.9	-8.8
-397		14 50	2.8	-1.4	-2.4	-3.0	-4.7	-7.8	-7.5	-8.2								1.4	-3.1
-398		14 52	.8	-1.2	-2.2	-2.6	-4.7	-7.0	-8.7	-9.0								1.1	-3.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE 045

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-399	13 JAN 81	08 07	3.3	4.2	4.6	9.4	20.0	32.9	38.3	42.1	39.7	35.4	33.5	32.0	29.5	35.8			
-400		08 11	3.2	3.9	4.7	8.9	19.7	30.8	37.1	37.8	40.7	37.8	33.2	30.8	29.8	26.9			
-401		08 13	2.9	3.7	4.3	8.6	19.8	32.2	36.1	37.7	39.0	38.1	33.2	30.0	27.1	35.4			
-402		08 14	2.7	3.6	4.1	8.7	19.9	31.8	35.4	36.1	37.1	36.7	32.1	30.1	29.1	26.3			
-407		08 35	2.3	3.8	4.3	9.2	19.3	31.5	38.5	38.0	39.3	37.3	33.3	31.2	30.5	27.9			
-408		08 37	1.9	3.5	3.9	8.8	19.3	32.2	36.2	37.4	39.1	36.5	32.5	30.3	29.2	26.6			
-409		08 38	1.7	3.2	3.7	8.5	18.6	35.5	37.4	37.3	39.1	36.5	31.2	29.5	28.4	25.5			
-413		13 07	5.0	4.6	5.1	9.6	20.3	31.7	42.4	41.3	37.6	34.0	34.0	31.2	37.6				
-414		13 11	4.5	4.2	4.8	9.4	19.5	41.1	39.0	39.0	34.8	30.4	30.8	27.5	35.8				
-415		13 14	4.7	4.3	4.9	9.1	19.2	32.3	39.8	43.9	39.9	36.5	32.7	32.1	29.2	34.5			
-416		13 16	5.4	5.3	5.7	10.3	19.6	31.5	38.4	43.9	41.6	38.2	34.1	34.4	31.0	35.8			
-417		13 18	4.2	4.0	4.4	9.0	18.6	32.3	38.4	40.1	41.6	40.8	36.5	34.0	33.8	30.7	35.4		
AA-106-418		13 31	-2.0	-3.2	-1.4	5.5	21.6	25.0	25.4	26.8	27.1	21.0	14.9	8.9	5.6	2.1	34.1		
-419		13 35	-2.1	-3.4	-1.7	5.0	22.3	23.1	24.3	25.9	26.5	21.4	16.4	11.7	8.7	5.2	35.9		
-420		13 37	-2.5	-3.5	-1.7	6.5	20.7	22.4	25.1	25.4	23.9	21.5	15.5	7.6	3.3	-2	18.4		
-421		13 39	-2.5	-3.6	-1.7	5.2	20.9	22.2	24.3	26.2	24.8	20.7	15.6	9.8	6.7	4.5	34.5		
-422		13 40	-2.8	-3.8	-1.9	5.1	21.7	24.7	25.0	25.7	23.5	19.7	12.9	6.8	3.2	1.4	35.8		
-423		13 42	-2.5	-3.8	-1.8	4.6	20.7	22.2	25.4	27.7	28.7	23.4	17.5	12.3	9.8	6.4	38.5		
AA-105-424	15 JAN 81	08 19	-1.7	-1.5	-1.2	4.5	15.9	28.4	37.1	38.3	37.6	28.1	23.8	22.4	20.0	34.6			
-425		08 21	-1.3	-1.2	-0.8	5.0	16.5	26.3	30.7	32.3	32.6	27.7	22.0	19.9	19.1	14.7	35.5		
-426		08 22	-0.9	-1.1	-0.8	4.6	16.5	29.0	34.8	37.2	38.9	34.1	27.5	24.4	24.6	21.7	35.4		
-427		08 23	-0.2	-0.9	-0.4	5.1	17.1	28.9	35.5	37.3	37.2	33.5	27.6	24.1	23.5	21.1	35.4		
-428		08 25	-0.2	-0.7	-0.1	5.6	17.9	28.1	34.6	36.3	36.9	32.8	26.5	22.7	21.4	18.5	34.5		
AA-106-429		08 33	-1.4	-3.2	-2.1	3.6	20.6	31.2	32.1	31.2	30.5	24.0	20.3	17.4	15.9	15.6	35.4		
-430		08 34	-1.7	-3.4	-2.2	3.3	20.5	31.6	31.7	31.9	31.4	26.9	24.5	21.5	19.0	18.1	34.5		
-431		08 36	-1.7	-3.6	-2.2	3.6	20.9	30.5	30.6	30.9	29.7	26.5	21.7	20.3	16.4	16.0	35.4		
-432		08 37	-2.1	-3.7	-2.3	3.1	20.2	31.5	30.0	30.1	32.4	28.4	24.2	20.5	18.2	17.3	34.0		
-433		08 39	-1.9	-3.5	-2.2	3.8	21.2	27.8	25.5	22.8	21.2	18.8	16.9	15.5	15.0	35.4			
AA-105-441	04 FEB 81	08 22	2.5	1.0	0.8	3.6	14.4	24.1	29.7	31.9	28.1	22.3	21.2	19.1	17.6	36.3			
-442		08 23	0.7	0.9	-0.4	-0.9	1.7	3.1	12.5	28.3	28.4	21.7	20.1	17.6	30.9				
-443		08 27	1.8	1.3	0.2	4.4	2.9	4.9	15.1	25.4	29.9	31.7	28.4	23.1	22.2	20.2	32.7		
-444		08 28	1.9	1.0	-0.2	-0.3	2.7	4.4	14.3	24.0	28.8	31.9	28.3	22.4	20.7	19.1	37.6		
-445		08 30	2.4	1.8	0.7	4.4	2.7	4.4	14.9	24.0	29.5	31.3	27.8	21.7	20.5	18.8	37.1		
AA-106-446		08 38	-0.9	-4.2	-4.9	-5.7	-0.4	4.8	12.3	16.3	20.1	21.3	11.0	0.2	-1.9	-5.2	28.6		
-447		08 40	-0.5	-3.8	-4.0	-4.4	0.3	5.9	13.3	17.9	21.1	21.9	11.4	2.2	1.5	-1.7	37.6		
-448		08 41	-1.2	-4.4	-4.8	-5.7	-1.3	3.8	13.0	20.5	24.4	21.6	7.3	-2.4	-3.4	-4.1	37.6		
-449		08 43	-0.5	-3.3	-3.9	-4.5	-0.5	4.2	14.8	22.0	27.1	26.9	14.7	5.1	1.6	-2.5	37.6		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE E45

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	MR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-399	13 JAN 81	8 7	(	27.9	27.0	26.4	25.0	21.2	17.2								22.3	25.5
-400		8 11	(	25.5	24.2	23.6	23.0	19.0	15.6								21.8	23.3
-401		8 13	(	25.6	24.7	24.1	23.0	18.9	15.1								21.8	23.4
-402		8 14	(	24.8	23.4	22.7	21.9	17.9	14.1								21.2	22.2
-407		8 35	(	25.1	25.1	24.2	23.5	19.6	15.8								21.2	23.7
-408		8 37	(	25.0	24.1	23.4	22.9	19.1	15.3								20.8	23.1
-409		8 38	(	23.8	23.3	22.6	21.9	18.1	14.5								20.2	22.2
-413		13 7	(	29.4	29.2	29.0	28.2	25.5	22.2								22.7	28.9
-414		13 11	(	26.3	26.0	26.0	24.5	21.1	18.1								22.0	25.2
-415		13 14	(	27.8	27.6	27.5	26.8	24.2	21.5								22.0	27.7
-416		13 16	(	29.8	29.3	29.6	28.4	25.4	22.5								23.2	29.1
-417		13 18	(	29.2	28.4	28.3	27.6	24.5	21.6								21.8	28.3
AA-106-418		13 31	(	-1.6	-3.1	-3	.1	-2.5	-3.2	-7.6	-9.7						2.5	-2.2
-419		13 35	(	1.3	-7	2.0	3.2	2.3	1.4	-6							6.5	2.9
-420		13 37	(	-1.2	-9	-1.4	.3	-1.4	-2.7	-7.4	-9.8						2.8	-2.1
-421		13 39	(	2.1	1.1	2.9	3.5	3.4	2.1	-1							7.2	3.7
-422		13 40	(	-2.8	-4.8	-4.1	-2.1	-2.9	-3.1	-7.4	-14.0						1.1	-4.5
-423		13 42	(	2.8	-4	-3	1.6	-5	-1.4	-2.4							6.1	1.7
AA-105-424	15 JAN 81	8 19	(	17.0	14.4	14.8	15.5	12.0	7.9								14.6	15.7
-425		8 21	(	11.3	8.3	8.1	8.1	5.0	.8	-2.7							11.6	7.4
-426		8 22	(	18.5	16.4	15.6	14.8	11.1	7.2								15.5	15.7
-427		8 23	(	18.2	15.8	16.2	16.0	13.0	9.1								15.5	16.8
-428		8 25	(	16.0	14.1	13.5	13.3	9.7	6.0	3.0							14.9	12.8
AA-106-429		8 33	(	11.9	10.3	9.4	6.9	3.0	-1.7	-5.7	-8.8	-15.6					1.6	-2.4
-430		8 34	(	15.8	14.7	13.2	10.4	4.7	-6	-4.5	-8.1	-16.7					1.5	-2.6
-431		8 36	(	12.3	9.6	7.9	4.4	-7	-5.1	-8.8	-11.8	-17.2					-3	-4.4
-432		8 37	(	12.7	11.5	9.5	5.9	.5	-4.6	-8.6	-11.9	-16.7					-1	-4.3
-433		8 39	(	11.8	9.2	7.0	2.9	-2.3	-7.6	-11.4	-12.5	-15.6					-5	-4.8
AA-105-441	04 FEB 81	8 22	(	18.6	18.5	19.2	19.9	19.7	20.4								13.1	20.3
-442		8 23	(	17.1	15.6	16.0	15.6										11.4	18.5
-443		8 27	(	19.2	18.3	18.6	19.6	19.4	19.9								13.3	20.4
-444		8 28	(	17.8	16.9	17.5	18.4	18.5	19.2								12.6	19.2
-445		8 30	(	17.4	16.6	16.7	17.8	17.2	17.9								13.1	18.6
AA-106-446		8 38	(	-5.5	-5.4	-3.6	-1.7	-1.2	1.6	3.5	3.9						2.8	-2.0
-447		8 40	(	-4.3	-4.8	-4.2	-1.1	.0	2.4	5.7	5.1						3.9	-1.0
-448		8 41	(	-5.6	-5.4	-4.4	-2.5	-1.2	1.1	4.2	4.2						2.1	-2.2
-449		8 43	(	-4.4	-4.0	-2.4	.4	-1.1	3.1	5.8							4.3	-1.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-105-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE D46

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-450	12 FEB 81	13 10	1.1	.6	-1.0	-1.4	2.9	4.2	16.1	29.1	33.5	35.2	30.6	26.1	26.0	23.7	32.7		
-451	13 12																28.2		
-452	13 29		2.0	1.4	.2	.4	3.8	4.7	16.0		35.8	37.6	33.6	28.5	28.7	25.6	28.2		
-453	13 32		2.4	1.9	.6	1.1	4.2	4.9	15.5	28.7	37.6	39.2	34.7	30.2	30.5	27.3	34.5		
-454	13 48		1.7	1.4	.1	.8	4.1	5.2	15.8	29.2	34.4	35.9	33.0	26.8	27.4	25.1	38.9		
AA-106-455	13 56		-2	-2.4	-3.3	-3.7	1.4	6.0	17.8	25.2	28.0	29.4	20.9	11.7	9.6	7.2	34.0		
-456	13 58		.7	-1.8	-2.5	-3.2	1.5	5.4	18.8	27.7	31.6	31.5	25.0	15.3	14.8	12.4	35.4		
-457	14 1		-1.3	-3.7	-4.5	-4.3	1.1	7.0	16.8	23.4	25.3	26.3	20.0	10.9	8.5	4.9	34.4		
-458	14 6		.7	-1.7	-2.4	-3.2	1.7	5.7	18.7	28.2	29.7	29.8	24.1	16.2	14.5	12.5	20.6		
AA-105-459	25 FEB 81	12 59	3.8	3.7	2.8	3.6	4.4	4.3	5.6	7.1	12.3	22.2	30.7	28.9	28.7	26.5	34.5		
-470	13 1		2.3	2.6	1.4	1.5	2.1	1.7	2.4	4.2	8.8	18.7	26.0	25.9	26.2	23.4	32.7		
-471	13 2		2.8	2.7	1.2	1.6	2.5	1.2	2.6	4.4	10.6	19.9	26.9	26.6	27.1	24.7	15.2		
-472	13 4		1.7	2.0	.6	.5	1.3	.2	1.2	3.4	9.2	19.8	26.5	24.6	24.6	21.1	34.4		
-473	13 5		3.9	4.5	3.2	4.0	6.1	4.7	5.5	8.6	14.6	23.3	29.2	27.7	29.2	26.8	25.5		
AA-106-464	8 33		3.6	2.3	1.5	1.2	3.1	.4	1.7	6.1	13.9	25.8	31.0	26.8	25.5	21.0	30.8		
-465	8 34		3.4	2.2	1.6	1.6	3.9	1.4	3.2	7.7	15.0	26.9	32.4	28.6	26.4	21.8	33.5		
-466	8 36		3.2	2.1	1.4	1.1	2.8	.1	.8	5.2	13.2	26.4	30.7	27.8	24.6	19.1	33.5		
-467	8 37		4.1	3.3	2.3	1.9	3.6	.4	1.5	6.1	14.5	28.0	31.3	28.7	26.4	21.6	34.4		
-468	8 39		4.1	2.9	1.8	1.8	3.9	1.1	2.2	6.7	14.5	26.9	31.7	30.1	28.0	23.4	33.1		
-474	13 16		3.5	3.1	2.1	2.2	4.0	1.3	2.3	5.1	10.8	18.6	22.8	21.0	22.3	20.2	34.4		
-475	13 18		2.2	2.3	1.6	2.2	4.3	1.7	3.3	6.8	12.8	21.2	24.1	23.7	24.9	21.8	33.6		
-476	13 19		1.8	1.2	.7	1.4	3.5	1.3	2.8	6.5	12.5	19.7	22.4	20.7	23.3	21.0	33.1		
-477	13 26		2.8	2.4	1.2	1.7	4.0	2.2	3.5	6.7	12.9	22.2	26.8	24.7	24.4	22.0	35.4		
-478	13 29		4.0	3.9	2.9	4.2	5.8	4.0	6.3	10.6	18.0	26.6	25.3	22.9	25.1	23.2	24.6		
AA-105-479	27 FEB 81	7 15	.9	-3.0	-5.1	-6.0	-4.7	-7.3	-1.5	4.9	16.9	26.8	26.5	15.1	10.0	5.1	34.5		
-480	7 17		-9	-2.9	-5.4	-6.3	-5.0	-7.5	-1.6	5.3	16.4	27.2	24.3	12.8	9.1	6.5	34.4		
-481	7 18		.3	-2.7	-4.8	-6.1	-4.8	-7.3	-1.6	5.4	16.8	29.4	28.6	16.5	10.5	7.0	34.5		
-482	7 20		-6	-2.6	-4.8	-5.9	-4.6	-7.2	-1.5	5.6	17.0	29.4	29.8	19.3	12.0	6.3	34.5		
-483	7 21		-1.1	-3.0	-5.3	-6.1	-5.0	-7.3	-1.4	5.5	16.8	29.4	29.2	18.1	11.7	7.4	33.6		
-489	7 43		-7	-2.8	-5.0	-6.0	-4.8	-6.6	-1.3	4.4	15.1	27.0	24.1	15.1	15.0	6.9	31.8		
-490	7 45		-6	-2.7	-4.9	-5.8	-4.6	-6.5	-1.4	4.6	14.4	25.5	22.4	15.1	14.0	6.1	34.5		
AA-106-485	7 29		1.9	.3	-.7	-1.0	1.4	-1.8	.1	6.3	18.0	27.1	31.6	28.7	25.1	20.9	34.0		
-486	7 31		1.9	.4	-1.0	-1.3	.8	-2.3	.8	7.7	19.0	25.9	30.9	26.0	21.8	16.9	34.4		
-487	7 32		1.7	.1	-1.1	-1.6	.4	-2.2	.1	6.4	17.6	24.1	28.4	23.6	18.3	12.6	35.3		
-488	7 34		2.0	.6	-.2	-.5	1.6	-1.3	.8	7.0	18.8	24.8	30.3	28.2	24.4	20.1	34.4		
-491	7 51		5.3	3.8	3.5	3.7	6.2	3.0	4.5	8.0	15.0	26.1	33.1	29.0	27.1	25.6	35.8		
-492	7 53		5.4	4.2	3.9	3.4	6.0	3.0	4.5	8.4	15.6	27.3	33.1	28.1	26.0	24.4	36.7		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 753 M  
 DATE 02 FEB 87  
 PAGE E46

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL AL (DB) (DBA)				
		START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000		6300	8000	10000	
AA-105-450	12 FEB 81	13 10	22.9	22.2	23.4	24.8	24.0	24.2								13.0	24.2
-451		13 12															
-452		13 29	24.8	23.9	23.5	24.1	23.6	23.2								13.8	25.0
-453		13 32	26.7	25.7	27.9	27.1	26.6									14.3	27.2
-454		13 48	23.1	21.6	22.3	22.8	21.3	20.8								14.1	23.5
AA-106-455		13 56	4.0	1.9	1.7	1.7	.4	-1.0	-1.2							7.4	3.5
-456		13 58	10.0	8.5	6.6	5.2	2.3	.4	-1.4							8.3	5.8
-457		14 1	2.3	-1.1	-1.1	-1.1	-2.1	-2.6	-4.0							6.4	.9
-458		14 6	10.6	7.9	5.3	4.1	1.4	-1.4								8.5	5.8
AA-105-469	25 FEB 81	12 59	23.5	19.7	18.7	17.0	13.6	11.7								11.3	18.6
-470		13 1	20.6	16.8	15.8	14.2	11.2	9.1								8.2	15.5
-471		13 2	21.9	18.9	17.9	16.4	13.0	10.9								8.8	17.1
-472		13 4	16.4	11.8	9.8	7.6	5.0	2.7								7.1	11.0
-473		13 5	24.3	21.2	20.2	18.7	15.3	13.7								12.4	20.0
AA-106-464		8 33	15.6	10.7	8.4	7.3	3.8	.8	-1.6	-6.0						7.3	5.2
-465		8 34	17.5	12.8	11.4	11.7	9.5	6.1	3.6							9.1	12.0
-466		8 36	13.3	8.4	6.6	4.2	-3	-4.1	-6.7	-11.4						5.6	.9
-467		8 37	16.9	12.2	10.9	10.7	7.5	3.6	1.2	-3.0						7.8	8.2
-468		8 39	18.8	15.2	12.8	12.6	9.9	6.1	4.4							8.8	12.5
-474		13 16	17.5	13.0	10.6	10.8	8.5	5.6	5.2							7.8	11.8
-475		13 18	17.4	12.0	10.5	11.2	9.6	7.2	5.1							8.9	12.4
-476		13 19	17.6	13.6	11.4	11.4	9.8	6.7	5.4							8.5	12.6
-477		13 26	18.4	14.0	11.3	10.9	8.3	5.8								8.9	12.8
-478		13 29	20.5	16.5	14.4	13.9	12.3	10.1								11.9	16.7
AA-105-479	27 FEB 81	7 15	3.3	.0	.8	4.5	-1.5	-1.9	-1.7	-5.5						3.9	2.6
-480		7 17	3.5	.8	2.2	4.4	-1.0	-1.4	-2.1	-5.3						4.0	3.0
-481		7 18	4.8	1.7	3.0	6.8	2.0	1.9	2.3							4.8	6.2
-482		7 20	6.6	3.0	4.4	7.2	2.8	3.4	2.7							4.9	7.1
-483		7 21	6.8	2.8	5.0	7.6	3.4	2.8	2.8							5.1	7.4
-489		7 43	3.8	-1.4	-1.4	.0	-1.1	-2.5	-2.6	-4.5						3.8	2.6
-490		7 45	4.1	-1.3	-2.1	-2.8	-1.0	-3.1	-3.9	-4.8						3.7	1.8
AA-106-485		7 29	16.1	13.4	12.5	12.4	10.6	8.7	4.4							7.1	12.8
-486		7 31	12.8	9.2	8.2	7.5	5.5	3.9	3.1	.1						6.9	8.7
-487		7 32	9.3	5.3	2.8	1.3	-2.1	-4.1	-4.6	-5.6						5.6	2.3
-488		7 34	18.1	15.2	13.1	12.7	10.1	8.3	6.1							7.7	13.7
-491		7 51	22.7	19.5	19.2	19.2	17.1	15.4								10.1	18.5
-492		7 53	20.7	17.8	12.3	11.9	12.6	11.4								10.3	15.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-001

DATABASE:  
 DISTANCE 753 M

PARAMETERS:  
 ALL DATA LISTED  
 DATE 02 FEB 07  
 PAGE 047

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
(	(	(	-3.7	-7.2	-8.0	-8.1	-9.6	-7.5	-6.4	-3.6	-0.9	6.6	7.3	-2.5	-3.8	-9.4	15.2
(	(	(	13.1	15.4	15.8	18.3	22.5	32.9	39.8	40.1	43.9	43.6	43.6	39.8	41.3	39.5	49.3
(	(	(	1.3	1.0	.2	1.6	5.1	6.4	10.9	16.6	24.1	30.1	29.2	23.3	21.2	17.9	31.7
(	(	(	2.8	3.6	3.8	4.6	7.7	9.6	9.6	9.1	7.9	6.6	7.2	8.2	9.2	9.6	4.6
(	(	(	338	346	347	348	345	335	338	335	345	341	333	346	348	348	350

ESA STATISTICS:  
 MINIMUM  
 MAXIMUM  
 AVERAGE  
 STANDARD DEVIATION  
 NUMBER OF DATA POINTS



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 753 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-808-001

DATABASE:  
 DISTANCE 753 M

DATE 02 FEB 87  
 PAGE E47

TEST NO.	DATE	START TIME	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
				-6.9	-8.8	-9.1	-6.6	-8.5	-10.7	-12.7	-14.0	-21.6	-11.4	-16.2			-3.9	-8.8
				38.1	36.3	34.8	33.6	32.2	29.2	28.5	29.1	12.4	7.9	4.6			32.2	34.8
				14.9	12.3	10.7	10.5	9.8	8.1	5.9	5.9	1.1	-1.0	-5.4			10.3	11.9
				9.7	9.8	9.7	9.3	8.9	8.4	7.8	8.3	6.5	4.7	7.0			5.8	9.0
				348	348	348	345	345	340	254	207	108	49	9			349	349

ESA STATISTICS:

MINIMUM  
 MAXIMUM  
 AVERAGE  
 STANDARD DEVIATION  
 NUMBER OF DATA POINTS

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-00B-001

DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE D48

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)						
			25	31	40	50	63	80	100	125	160	200	250	315	400	500									
AA-101-034	29 NOV 79	11 1	11.3	13.7	17.2	19.0	20.1	21.3	24.2	26.2	23.1	21.2	20.2	17.5											
AA-101-036	06 DEC 79	11 14	3.4	2.0	.4	2.3	1.5	3.0	6.5	13.9	23.3	32.6	31.4	27.2	22.6	19.2									
-037	15 15	15 15	6.3	5.8	5.1	7.2	10.3	12.1	14.7	18.7	23.5	27.1	28.7	24.7	23.6	23.3									
AA-101-038	12 DEC 79	10 50																							
-039	11 18	11 18	1.8	.8	-.5	-.8	-.5	1.3	4.8	9.8	14.6	24.1	23.8	20.7	16.1	21.9									
-040	13 10	13 10	3.5	2.5	1.4	2.3	2.7	5.6	10.6	19.1	20.3	27.3	29.0	22.7	17.3	11.6									
AA-101-041	13 DEC 79	11 30	2.5	1.6	.9	1.7	1.2	3.0	6.9	11.6	13.6	17.8	22.2	21.2	19.2	15.2									
AA-101-043	14 DEC 79	12 6	-3.3	-3.5	-4.1	-2.7	-1.0	-.8	.9	4.9	10.3	20.6	26.7	24.2	20.9	18.9									
AA-101-044	23 JAN 80	11 54																							
AA-101-047	29 JAN 80	11 42	4.6	7.6	8.2	10.0	10.9	12.6	13.5	14.1	17.4	21.3	22.1	19.9	18.2	17.2									
-049	13 27	13 27																							
AA-102-051	16 40	16 40	-.3	.9	-.2	-2.0	.9	2.8	7.7	15.1	21.3	20.6	15.9	13.2	9.9	14.3									
AA-101-052	05 FEB 80	13 37	3.3	2.5	1.5	1.1	2.5	2.0	9.4	19.2	19.8	25.3	31.1	27.4	23.1	17.6									
AA-101-054	13 FEB 80	11 26	5.6	4.7	4.0	4.7	7.8	11.8	24.7	39.8	36.0	35.2	33.1	29.6	28.4	29.2									
-055	11 53	11 53	6.6	7.3	8.3	8.3	11.6	14.2																	
-056	12 4	12 4	9.1	8.3	10.1	14.7	18.3																		
AA-102-057	14 43	14 43	-1.1	-4.6	-6.3	-7.1	-4.5	4.7	14.0	25.1	32.9	31.7	21.4	8.5	1.7	-4.3									
-058	14 51	14 51	-.2	-3.9	-5.0	-6.8	-3.1	4.6	21.1	27.9	34.4	33.0	18.6	12.8	7.9	3.3									
-059	15 15	15 15	-1.9	-4.8	-6.7	-7.5	-4.1	2.9	16.2	24.6	27.8	30.9	23.3	12.5	3.1	-1.5									
AA-101-060	14 FEB 80	9 54	4.6	1.4	-.3	-.5	2.3	4.9	16.2	26.7	32.3	34.3	30.8	26.5	23.7	22.9									
-061	11 3	11 3	1.8	2.3	1.1	1.4	3.3	6.5	16.8	28.2	30.2	32.8	30.5	26.7	24.9	23.7									
AA-101-065	20 FEB 80	11 19	5.9	5.6	4.8	5.9	7.6	5.3	6.5	8.5	13.3	24.4	26.3	29.9	31.1	33.7									
AA-102-067	13 11	13 11	2.9	.3	-1.3	-2.6	-2.9	-4.4	-4.6	-3.3	2.0	14.3	17.5	18.2	21.7	26.1									
AA-101-068	21 FEB 80	14 10	-1.7	-1.8	-3.6	-4.5	-5.3	-8.1	-7.6	-5.7	-2.6	2.3	9.1	13.3	14.2	16.9									
-069	14 13	14 13	.7	.7	-1.1	-2.2	-3.5	-4.5	-5.7	-4.6	.4	7.0	14.2	20.0	21.5	23.6									
AA-102-070	14 33	14 33	6.5	8.2	10.5	11.8	13.8	16.7	17.9	20.2	21.3	25.5	26.6	24.4	22.3	23.4									
AA-102-071	22 FEB 80	14 48	-4.4	-6.7	-7.7	-7.3	-6.6	-5.5	-3.0	4.0	10.6	19.0	20.6	15.7	7.7	1.2									
-072	14 53	14 53	-3.1	-7.2	-7.4	-7.8	-9.0	-5.4	-1.2	6.5	8.5	15.7	17.6	11.9	6.3	-2.0									

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE E48

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-101-034	29 NOV 79	11 1	17.0	15.2	13.8	12.1	9.6										18.5	15.8
AA-101-036	06 DEC 79	11 14	19.0	13.4	8.6	5.4	3.9	2.8	1.7	1.7							9.7	9.7
-037	15 15	19.9	17.8	16.5	15.6	12.7	10.3	7.4	2.7								15.3	14.8
AA-101-038	12 DEC 79	10 50	21.5	20.2	19.5	18.7	17.4	15.9	14.3								24.1	20.4
-039	11 18	12.9	9.2	4.2	-6.4												3.0	9.0
-040	13 10	6.6	2.9	.3	.5	.6	.5	-.9	-1.4								8.5	4.4
AA-101-041	13 DEC 79	11 30	11.0	7.5	3.5	1.2	-1.3										4.7	10.0
AA-101-043	14 DEC 79	12 6	16.5	10.9	7.8	6.8	3.3	1.9									6.1	10.6
AA-101-044	23 JAN 80	11 54	12.4	9.7	7.5	6.6											17.0	12.2
AA-101-047	29 JAN 80	11 42	15.2	11.5	9.9	8.8	6.2										14.1	13.6
-049	13 27	23.9	20.1	18.6	17.2												28.3	24.0
AA-102-051		16 40	6.7	3.4	2.7	2.7	-.6										6.7	5.8
AA-101-052	05 FEB 80	13 37	13.7	11.0	10.9	10.6	7.8	3.6									10.5	11.6
AA-101-054	13 FEB 80	11 26	26.7	24.1	24.2	25.6	24.5										17.5	27.0
-055	11 53	26.0	23.8	23.9	24.4	22.9											20.2	26.2
-056	12 4	25.8	23.5	23.7	24.6	22.7											22.7	26.0
AA-102-057		14 43	-3.6	-3.5	-.9	.1	-2.4	-4.6									5.5	.9
-058	14 51	1.5	2.3	.6	3.2	3.4	1.2										6.1	3.5
-059	15 15	-2.7	-3.6	-2.8	.3	-.8	-3.9										5.9	1.9
AA-101-060	14 FEB 80	9 54	20.3	16.7	15.6	15.4	12.2	9.8									9.9	17.1
-061	11 3	22.1	19.6	19.5	17.6												7.8	20.1
AA-101-065	20 FEB 80	11 19	33.1	28.3	25.1	22.7	20.6	18.8									13.1	23.7
AA-102-067		13 11	21.1	11.4	4.6	-2.3	-4.4	-8.0	-8.4	-7.6							1.7	2.9
AA-101-068	21 FEB 80	14 10	8.3	3.3	-.5	-2.1	-3.3	-3.8	-5.2	-6.5							-2.3	.0
-069	14 13	14.7	9.6	6.6	3.6	-.9	-.6	1.0	-1.3								1.5	5.8
AA-102-070		14 33	23.4	20.8	18.4	15.9	13.6	11.8	10.5								20.4	19.4
AA-102-071	22 FEB 80	14 48	-1.1	-1.8	.0	1.2	-1.0	-.2	.0	2.9							2.5	2.1
-072	14 53	-5.9	-7.0	-4.4	-3.7	-5.5	-6.0	-5.3									1.5	-2.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1255 M

DATE 02 FEB 87  
 PAGE D49

START ( 1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	HR-MN	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-073	27 FEB 80	11 57															19.3
AA-101-074	01 APR 80	11 3	5.0	5.5	5.0	7.2	10.0	10.5	14.9	19.7	25.7	33.0	37.4	35.1	33.8	32.3	37.1
-075	11 22	4.5	4.3	5.0	5.0	8.0	6.6	9.1	13.7	18.4	27.7	27.7	35.2	33.2	31.6	28.8	29.5
AA-101-076	03 APR 80	11 17	2.6	1.7	1.2	-5	3.5	3.2	5.9	11.3	18.4	28.7	33.0	30.2	27.2	23.4	26.0
-077	14 12	-4	-2.4	-3.8	-4.1	-2.9	-3.1	2.2	10.5	18.2	24.9	24.9	24.7	21.7	15.6		36.3
AA-101-080	10 APR 80	9 39		7.5	8.7	9.1	11.3		15.5	20.9	27.2	27.2	27.7	25.5	22.6	21.7	15.2
-081	10 47	6.5	7.8	12.0	13.1	12.8	16.5	19.2	18.4	21.8	23.0	23.0	20.0	20.0	18.6	17.3	24.1
-082	11 47		11.4		19.3	19.8	19.6	22.5	23.5	26.5	27.6	27.6	25.2	23.6	22.4	30.4	30.4
-083	12 3	-2.1	.6	3.7	5.2	8.3	9.8	9.4	11.6	11.8	14.3	15.6	15.6	11.6	9.3	8.9	31.3
AA-101-087	11 APR 80	10 51	3.9	4.6	4.3	6.6	8.5	8.6	11.8	17.0	20.5	24.7	29.0	27.6	26.0	24.5	32.6
AA-101-088	16 APR 80	10 4	3.3	3.5	3.5	3.2	5.2	6.1	8.0	13.6	18.9	26.9	32.4	30.5	25.9	21.3	24.6
AA-101-089	17 APR 80	11 23	6.5	5.2	5.0	6.4	8.7	8.4	10.8	15.6	22.4	27.8	30.8	28.7	27.2	26.2	27.3
AA-101-090	18 APR 80	11 6	3.9	2.7	2.0	3.2	5.6	5.5	7.7	11.4	15.9	23.0	27.2	25.2	23.5	22.8	28.1
AA-101-092	22 APR 80	11 2							24.6	26.7	28.7	30.0	31.0	28.2	26.3	23.6	30.4
AA-102-093	14 10		-4.3	-5.2	-5.0	-3.0	-6	10.2	17.7	23.7	18.3	16.1	6.7	-1.4	-6.5		18.3
AA-101-096	08 MAY 80	10 26	-1.9	-1.5	.6	1.8	4.5	10.9		23.8		20.9	21.1	17.4	14.6	10.5	19.7
AA-102-097	14 52		-8	-2.3	-2.6	-1.2	.6	5.0	11.7	20.5	26.1	34.0	29.1	17.2	13.6	7.2	29.5
AA-101-098	09 MAY 80	10 40	3.7	5.2	6.0	8.0	11.1	14.1	18.7	25.3	28.2	31.1	31.1	27.8	26.6	24.7	32.6
-099	12 29		11.8	16.2	22.4	27.9	28.3	30.1	30.3	26.6	24.1	23.2					29.5
AA-102-100	14 34		-2	-3.3	-2.0	-1.4	2.0	6.7	15.8	22.8	26.0	21.8	18.4	8.3	5.0	2.5	29.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE E49

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-073	27 FEB 80	11 57	12.7	10.0	9.7	7.8	5.6	3.2								17.1	11.1
AA-101-074	01 APR 80	11 3	30.8	27.8	26.9	25.4	24.4	22.8								18.8	27.7
-075	11 22	27.2	24.0	23.1	21.0	21.3	19.8									13.3	23.4
AA-101-076	03 APR 80	11 17	20.2	16.7	14.3	11.6										8.4	17.5
-077	14 12	12.0	6.4	.8	-7	-1.0	-2.0	-2.4								7.0	5.1
AA-101-080	10 APR 80	9 39	20.4	19.0	17.9	17.6	16.9	15.4								18.5	19.8
-081	10 47	15.8	14.2	13.0	12.1	11.0	9.2									16.2	14.1
-082	11 47	21.8	20.3	19.6	18.6	17.3	14.1									21.9	20.4
-083	12 3	9.3	9.2	8.2	7.8											9.1	10.9
AA-101-087	11 APR 80	10 51	23.0	20.4	17.9	16.4	14.8	12.7								16.0	19.6
AA-101-088	16 APR 80	10 4	16.4	12.8	11.8	11.2	10.0									10.9	17.6
AA-101-089	17 APR 80	11 23	25.4	22.7	21.1	19.9	18.8	16.7								15.5	22.0
AA-101-090	18 APR 80	11 6	21.0	17.3	16.3	16.8	16.2	14.7								12.4	18.4
AA-101-092	22 APR 80	11 2	24.7	24.4	24.4	23.7	23.8	22.7								26.9	25.2
AA-102-093	14 10	-7.2	-4.9	-6.0	-2.3	-2.8	-4.8	-1.9								3.3	-2.4
AA-101-096	08 MAY 80	10 26	7.3	4.1												6.5	12.9
AA-102-097	14 52	6.3	-1.0	2.2	7.3	7.1	1.9									8.2	5.4
AA-101-098	09 MAY 80	10 40	22.9	19.9	18.6	16.9	15.5	12.2								19.3	20.6
-099	12 29	23.1	21.1	20.2	18.4											22.3	22.7
AA-102-100	14 34	2.2	.8	.5	-3.3	-3.1	-5.0	-4.3								6.6	.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-103-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE D50

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-101	09 SEP 80	7 10	0	1.4	-1.5	-4	1.9	5.5	13.5	25.7	33.9	36.7	35.0	27.2	23.8	19.4	29.5		
-103		7 24	-1	1.5	-2.3	-1.2	1.6	5.6	15.4	28.2	31.5	37.8	32.3	23.1	22.6	14.8	28.2		
-105		7 35	-2	1.7	-1.7	-0.9	1.8	5.9	14.4	25.5	31.3	31.6	28.8	20.1	16.2	9.1	29.5		
-107		7 45		1.6	-1.6	1.5	2.6	6.4	13.8	24.0	31.6	34.0	33.9	25.3	21.0	13.2	34.4		
-109		7 55		1.4	1.2	3.1	5.6	13.2	24.1	31.9	34.9	33.6	25.9	23.6	18.5	29.5	29.5		
-111		12 26		12.8	18.2	18.7	22.2	24.8	26.4	29.0	30.3	31.7	27.5	23.8	23.3	19.3	19.3		
-112		12 58		12.9			21.0	25.4	27.8	28.8	31.3	30.6	27.0	27.8	26.5	29.1	29.1		
-114		13 10		13.6	16.8		25.1	26.4	28.7	32.1	34.0	32.7	28.3	29.5	28.9	32.3	32.3		
-116		13 23		5.5	7.6	9.2	11.9	16.8	22.0	23.5	25.9	30.3	29.4	25.1	26.3	26.5	30.4		
-118		13 37		8.0	9.7	14.4	16.2	20.4	25.3	27.0	29.1	31.0	30.9	25.9	26.9	26.9	32.2		
-120		13 53		5.6	9.3	10.7	16.5	17.9	24.1	22.4	22.8	24.7	27.9	27.4	23.5	25.1	29.5		
-122		14 8		13.0	14.1	18.5	21.9	23.4	24.5	27.4	29.5	29.4	26.0	26.0	26.3	26.4	28.2		
AA-104-102		7 17	-5.1	-6.8	-7.6	-6.1	-2.6	8	8.3	15.2	18.5	18.0	11.8	5.7	7.8	7.1	31.7		
-104		7 30	-3.9	-3.9	-3.9	-1.8	8	4.3	10.6	22.0	22.0	27.2	23.0	11.9	10.5	7.7	34.0		
-106		7 40	-2.9	-2.5	-3.1	-2.4	-4	1.6	9.1	12.3	14.9	21.7	20.0	12.6	10.1	10.0	38.9		
-108		7 50	-1.7	-1.8	-3.3	-1.3	6	3.8	9.8	14.9	18.7	29.5	23.6	15.3	12.0	11.1	30.0		
-110		8 1	-2.1	-2.2	-3.1	-1.6	7	2.9	9.7	16.5	20.5	24.3	20.0	10.3	10.2	9.3	38.9		
-113		13 4	-1.4	-2.9	-1.9	3	3.7	10.9	19.6	24.3	30.8	27.9	11.4	9.6	9.8	9.8	33.2		
-115		13 16	-1.3	1.1	-1.8	-3	1.9	4.0	11.5	20.8	27.6	32.5	29.6	14.5	11.4	7.8	34.9		
-117		13 29	-3.4	-3.5	-4.7	-3.2	-2.1	4	5.2	13.7	21.4	26.6	24.9	9.7	5.1	2.5	30.0		
-119		13 47	-2.8	-2.7	-4.1	-2.5	-1.2	3.3	9.4	17.0	21.0	22.6	23.0	9.2	5.1	6.9	32.2		
-121		14 3	-3.6	-4.0	-5.1	-2.4	1.4	7.6	16.0	19.0	19.4	19.7	18.0	4.3	1.9	2.6	30.4		
-123		14 13	-2.6	-3.0	-4.8	-3.0	-1.0	2.3	9.6	17.3	21.1	26.0	23.7	8.2	5.1	3.3	31.3		
-124		15 18	-3.7	-5.0	-2.9	-1.0	1.5	8.7	19.5	22.2	26.4	20.9	10.6	4.6	2.9	2.9	30.0		
AA-103-125	10 SEP 80	6 58	-4.7	-2.6	-4.2	-3.5	-2.7	-1.7	4.2	12.9	22.7	25.0	25.2	15.7	12.7	6.9	30.4		
-127		7 11	-2.7	-2	-6	1.4	5	1.7	7.8	15.0	23.6	28.7	28.5	20.4	18.2	12.0	14.3		
-129		7 22	-2.9	-3.0	-5.0	-3.9	-2.7	-1.1	5.5	13.0	20.3	24.8	26.4	17.8	15.6	10.1	25.1		
-131		7 33	-1.6	-1.5	-2.6	-1.3	-1.1	-1	5.1	13.2	21.7	25.8	26.7	18.3	15.7	11.8	15.7		
-133		7 44	-1.7	-1.1	-2.7	-2.4	-1.7	-1	5.2	12.0	20.8	26.3	26.9	18.9	17.6	14.2	29.1		
-135		13 0	1.6	2.0	1.7	2.6	3.9	3.5	7.2	12.0	18.5	26.9	28.8	23.0	24.1	21.9	29.5		
-137		13 10	-1.1	1.8	-1.7	-1.0	-1.7	0	9.8	8.4	16.5	25.1	24.8	18.5	16.5	15.0	30.4		
-139		13 19	1.0	1.9	1.3	1.9	2.2	1.6	5.4	9.7	18.2	27.9	31.0	27.1	26.1	21.9	30.4		
-141		13 29	1.7	2.1	1.7	1.8	1.4	1.8	5.1	8.8	15.4	24.8	28.6	23.7	23.6	21.3	30.4		
-143		13 44	1.9	1.1	-1.3	1.1	1.6	1.3	4.0	9.2	17.2	25.6	26.7	22.6	23.6	20.6	30.4		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE ESD

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
AA-103-101	09 SEP 80	7 10	13.5	9.7	8.9	3.4	.1	-1.8	-8	-1.2	-6.8							8.8	4.2
-103		7 24	9.5	5.6	7.2	3.6	6.4	6.7	3.6	2.3	1.3							11.3	7.6
-105		7 35	4.2	4.4	.1	2.1	.9	4.3	2.4	.5	-.6							9.4	4.7
-107		7 45	6.5	4.2	1.6	-4.2	1.6	.6	5.4	.0	.1							9.5	4.2
-109		7 55	15.1	13.2	11.6	7.8	4.3	1.4	-.7	-2.1	-3.9	-7.7						10.3	4.6
-111		12 26	23.7	23.1	21.5	20.6	18.8	15.0										24.0	22.2
-112		12 58	24.7	23.4	22.7	22.8	21.1	17.3										26.4	24.1
-114		13 10	26.9	26.1	25.5	25.3	23.9	20.1										28.0	26.6
-116		13 23	24.4	23.4	23.0	22.7	21.1	17.1										22.0	23.6
-118		13 37	24.6	23.7	23.6	23.0	21.3	17.2										24.6	24.2
-120		13 53	21.9	20.9	20.4	20.2	18.1	14.1										22.8	21.2
-122		14 8	24.0	23.1	22.9	22.2	20.0	16.2										24.6	23.3
AA-104-102		7 17	4.2	3.4	4.5	4.2	2.1	.8	1.8	.6								5.3	4.3
-104		7 30	6.0	5.9	4.8	1.7	5.8	4.7	2.0	-.1								8.6	5.6
-106		7 40	8.7	7.0	7.7	3.1	5.4	5.0	-2.0	-2.1								7.2	5.1
-108		7 50	9.4	9.4	8.1	6.7	2.4	3.3	5.9	3.0								8.9	7.7
-110		8 1	7.6	5.4	2.5	2.1	3.6	2.8	-.1	-1.7								8.3	5.2
-113		13 4	6.5	4.8	2.9	2.3	1.1	-.3	-1.3	-2.3								9.5	4.8
-115		13 16	4.8	4.1	4.9	5.6	4.4	.9	2.1									10.5	7.1
-117		13 29	-1.3	-3.0	-1.9	.0	-1.7	-4.3	-4.7	-6.2								5.3	.0
-119		13 47	5.4	1.0	.4	-.7	-2.5	-3.9	-4.3	-5.2								7.2	1.6
-121		14 3	.7	1.3	1.9	4.9	-.3	-2.5	-2.9	-6.2								7.7	1.7
-123		14 13	1.1	-.3	-.7	.2	.0	-3.8	-5.8	-6.6								6.4	.5
-124		15 18	-.7	-3.6	-4.3	1.3	-1.3	-4.7	-6.6	-8.0								5.8	-1.1
AA-103-125	10 SEP 80	6 58	1.4	-1.9	-3.2	-1.3	.2	-2.2	-3.2	-4.3								4.9	1.0
-127		7 11	3.4	-1.2	-3.8	-1.2	1.9	-.1	-.4									7.2	2.8
-129		7 22	5.8	.8	-1.9	-.2	.5	.9	-1.5	-2.0								5.8	2.8
-131		7 33	6.9	4.1	1.8	1.1	3.4	2.0	.3	-.2								7.7	5.2
-133		7 44	9.5	5.6	2.8	3.3	3.4	3.2	1.9	1.5	-1.7							7.9	5.8
-135		13 0	18.7	15.7	13.1	10.6	8.8	6.5	6.8	8.0								12.7	13.6
-137		13 10	10.7	6.7	2.1	.1	-1.3	-3.4	-3.2	-2.7	-6.7							6.3	2.1
-139		13 19	17.3	14.0	10.1	5.8	4.3	3.1	5.7									10.6	10.1
-141		13 29	18.8	15.0	11.0	8.6	6.2	4.3	4.7	5.9								10.5	11.9
-143		13 44	16.2	13.7	11.2	7.7	5.9	3.2	3.1	4.6								9.8	10.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87  
 PAGE DS1

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-126	10 SEP 80	7 4	4.0	5.1	3.5	4.8	6.4	6.9	9.5	13.5	19.9	30.2	37.3	30.5	28.6	23.8	38.5		
-128		7 16		8.4	7.3	7.6	9.9	9.8	11.5	15.5	23.0	33.2	38.3	32.3	28.5	25.0	31.3		
-130		7 28	4.7	6.4	4.9	6.6	7.9	7.4	9.9	13.9	20.8	32.3	36.6	30.7	27.8	23.6	31.3		
-132		7 39		6.1	5.2	5.9	9.1	9.1	10.4	14.0	20.9	31.2	36.5	32.1	29.2	24.7	31.3		
-134		7 50		7.1	6.7	8.2	9.9	10.0	11.6	14.8	21.8	30.3	35.9	30.4	28.1	24.3	30.4		
-136		13 4	4.6	5.0	3.4	5.6	7.8	9.5	17.9	21.7	26.0	27.5	28.4	23.0	21.7	19.9	30.4		
-138		13 14	4.9	7.7	6.5	9.2	10.2	12.2	14.9	17.8	23.5	26.3	28.4	22.9	22.5	21.9	29.3		
-140		13 24	5.7	7.4	6.3	8.4	11.2	12.4	18.1	20.2	24.9	28.0	29.0	23.9	24.1	21.6	30.9		
-142		13 36	4.3	4.4	3.5	4.1	6.7	5.7	9.6	13.3	20.2	26.1	28.1	23.7	22.8	20.1	28.2		
-144		13 49	6.8	8.0	6.4	7.4	9.8	9.3	12.1	16.1	22.5	27.5	30.0	26.2	26.7	24.8	29.5		
AA-103-145	16 SEP 80	7 19	1.6	1.2	-1.2	-0.5	1.7	5.8	14.1	26.2	33.6	40.5	39.3	27.9	21.3	14.1	36.2		
-147		7 34	-1.4	-1.8	-3.0	-1.8	.1	4.4	11.9	22.5	31.3	34.7	33.9	24.2	22.8	19.9	31.3		
-149		7 47	-1.6	-0	-2.3	-1.6	-3	3.2	9.3	18.5	27.5	35.1	34.2	24.3	22.8	19.6	29.5		
-151		8 0	1.1	1.6	-1	.8	1.3	4.5	10.9	19.5	28.4	35.3	34.9	27.9	25.6	23.7	30.4		
-153		8 12	1.6	1.9	0	1.0	1.4	4.8	10.6	20.2	31.7	35.4	36.0	30.3	30.2	29.0	29.5		
-158		13 49	3.8	6.8	6.6	9.2	11.7	14.5	19.8	25.9	34.6	37.1	36.5	31.0	31.5	30.4	32.2		
-159		13 51			8.6	11.6	15.1	17.6	23.4	30.1	35.0	38.0	37.8	32.4	33.1	31.9	30.9		
-160		13 54			6.9	10.0	12.5	14.0	21.0	27.3	33.5	38.2	36.7	31.1	32.5	30.5	33.6		
AA-104-157		13 42	.1	-1.2	-3.1	-2.0	.9	4.8	10.9	19.9	22.9	28.3	24.9	12.6	11.2	4.3	29.5		
-161		14 8	-1.2	-1.5	-3.5	-2.6	.2	4.5	10.9	19.9	25.3	28.3	26.1	8.9	5.9	5.2	24.2		
-162		14 11	-1.6	-1.9	-4.0	-3.4	-4	4.2	10.3	18.8	22.8	29.0	26.7	11.3	7.5	5.3	28.1		
-163		14 13	-3.4	-3.1	-4.6	-2.6	1.0	4.9	9.5	18.6	16.1	21.1	21.5	7.9	3.0	1.8	36.7		
AA-108-146		7 28	-8	-8	-1.3	-2.3	-1.0	2.8	10.7	23.1	22.4	24.5	14.5	7.7	6.1	2.3	29.5		
-148		7 40	-1.1	-1.1	-1.5	-2.1	.0	2.7	10.8	22.9	23.7	25.3	15.4	8.5	7.9	6.9	31.3		
-150		7 53	-5	-1.0	-1.5	-1.8	-2	2.7	10.0	20.4	21.7	20.6	14.9	6.5	4.1	1.1	32.2		
-152		8 6	-2	-8	-1.2	-1.2	.0	2.8	8.3	17.8	23.8	25.5	18.9	13.8	12.7	30.4	30.4		
-154		8 21	0	-4	-1.6	-1.8	-1.1	1.2	7.2	15.5	24.9	27.2	18.1	10.8	9.1	9.7	30.4		
AA-103-164	17 SEP 80	7 5			22.5	24.1		29.4	32.8	34.2	36.6	39.5	40.1	37.0	39.6	38.6	29.6		
-166		7 20		17.5	21.0	23.0	26.7	31.1	33.4	35.1	38.7	41.2	41.3	38.0	40.7	39.3	31.4		
-170		7 44				24.0	27.6	28.5	29.2	32.1	35.0	36.1	36.1	32.7	33.9	33.8	35.4		
-171		7 47			13.4	14.5	17.0	18.7	21.8	24.0	27.6	33.4	35.9	34.0	35.5	34.1	32.3		
-175		13 12	4.5	5.2	4.1	4.1	5.3	8.1	12.4	20.4	27.3	31.5	31.4	26.1	26.7	24.0	29.6		
-176		13 22	3.4	4.1	2.5	2.0	3.2	6.2	10.8	18.7	27.0	31.4	30.5	24.1	22.9	19.2	29.6		
-177		13 24	3.8	4.5	2.8	3.4	4.6	7.1	12.3	19.5	25.0	28.9	30.5	24.7	23.2	18.6	32.7		
-178		13 28	2.9	3.8	1.9	2.7	3.8	6.1	11.4	19.6	26.6	30.0	31.1	22.0	18.2	14.6	26.0		
-179		13 34	4.5	5.5	3.8	4.4	5.1	7.6	12.3	19.4	27.1	31.1	33.6	27.9	27.9	24.4	29.6		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1255 M

DATE 02 FEB 87  
 PAGE E51

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)		
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000	
AA-104-126	10 SEP 80	7 4	21.2	19.0	17.0	17.8	17.5	15.4	15.0	13.4							14.3	18.7
-128		7 16	22.7	21.0	20.3	21.7	20.9	18.7	18.7								17.1	22.4
-130		7 28	21.4	19.7	18.8	19.8	19.3	17.0	16.8								15.1	20.8
-132		7 39	22.2	19.8	18.3	19.4	19.0	16.9	17.4								15.8	20.9
-134		7 50	21.5	19.3	17.6	18.7	18.2	16.4	16.9								16.8	20.8
-136		13 4	16.8	12.8	10.6	10.7	10.5	8.4	8.8								16.7	14.4
-138		13 14	19.2	16.8	14.3	14.5	14.0	11.6									17.7	16.7
-140		13 24	19.3	16.8	14.2	13.5	13.0	11.1									18.7	17.7
-142		13 36	18.2	15.0	13.1	14.0	13.5	11.1									13.7	16.3
-144		13 49	22.3	19.7	16.7	16.0	15.7	13.8									16.5	19.4
AA-103-145	16 SEP 80	7 19	13.6	14.7	10.9	14.5	17.4	13.5	16.9								13.9	16.5
-147		7 34	15.9	10.2	7.8	9.4	6.7	7.2	7.4	5.4							12.0	11.6
-149		7 47	16.5	13.8	9.6	5.2	5.6	6.0	6.8	6.9							11.1	11.6
-151		8 0	20.5	17.1	13.9	9.4	7.2	6.3	7.8	8.5							12.8	13.7
-153		8 12	26.1	23.7	21.8	20.0	17.8	15.7	15.5								13.6	22.3
-158		13 49	28.5	27.6	26.3	24.9	22.8	19.5									22.6	27.0
-159		13 51	30.0	29.2	28.3	26.9	24.7	21.1									25.8	28.8
-160		13 54	29.3	27.9	26.6	25.0	22.6	19.1									23.7	27.2
AA-104-157		13 42	5.1	2.2	2.8	4.5	6.7	4.5	4.6	4.2							9.7	6.4
-161		14 8	.6	2.8	3.5	5.5	4.5	1.7	1.9	.9							8.9	5.3
-162		14 11	4.1	4.0	4.9	8.0	4.7	3.1	3.8	3.7							8.7	7.0
-163		14 13	-4	-1.3	-1.0	2.7	1.3	-9									7.7	3.1
AA-108-146		7 28	.5	1.0	2.3	2.7	8.2	8.0	1.6	1.7							5.9	3.9
-148		7 40	3.3	.5	.1	2.2	2.1	5.5	2.1	.4							7.0	3.4
-150		7 53	-2.3	-6.0	-7.4	-3.7	-3.6	-6	-8	-7.0	-8.0	-9.5					2.3	-4.1
-152		8 6	11.6	10.8	4.1	-3	-4.6	-5.9	-4.4	.4	-1.9						4.0	-1.5
-154		8 21	10.6	9.0	7.4	8.8	8.8	6.5	4.7	3.7							6.3	8.1
AA-103-164	17 SEP 80	7 5	37.1	35.6	34.0	32.3	30.3	26.9									35.2	34.8
-166		7 20	37.7	36.1	35.1	33.6	31.7	28.3									35.3	35.9
-170		7 44	31.4	29.9	28.8	27.8	25.9	22.4									31.0	29.8
-171		7 47	31.9	30.2	29.2	28.0	22.8										25.8	30.6
-175		13 12	18.3	14.1	10.9	9.2	9.0	9.2	10.5	12.6							15.7	14.7
-176		13 22	14.2	10.9	8.9	9.8	10.0	8.9	10.3	11.9							13.8	13.3
-177		13 24	14.1	10.7	10.2	10.4	10.7	8.7	8.8	12.6							14.3	13.3
-178		13 28	11.1	9.6	9.5	10.1	9.1	7.0	8.2	10.7							13.1	11.9
-179		13 34	19.4	15.5	13.1	11.3	10.3	10.1	11.7	13.8							15.4	15.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE D52

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ)												SAMPLE DURATION (SEC)		
			25	31	40	50	63	80	100	125	160	200	250	315		400	500
AA-104-167	17 SEP 80	7 27	-5.7	-6.9	-8.5	-6.6	-3.6	-1.0	2.3	9.7	9.9	15.2	21.1	9.4	4.9	-1.5	35.4
-168		7 30	-4.4	-6.1	-7.8	-6.8	-4.7	-2.7	1.2	7.5	13.2	17.8	23.1	12.8	9.0	.9	32.7
-169		7 33	-5.6	-6.7	-8.3	-6.5	-4.4	-3.7	1.3	8.8	12.6	17.8	22.7	11.9	6.2	-2.2	30.5
-172		8 4	-6.5	-8.0	-9.3	-7.4	-3.4	-1.4	4.5	8.4	12.8	17.1	18.1	8.6	.9	-1.6	33.6
-173		8 23	-5.2	-7.6	-8.6	-7.6	-4.5	1.7	9.5	13.1	14.3	17.6	17.8	8.3	-1.1	-2.8	39.4
-174		8 27	-5.8	-9.2	-9.6	-8.4	-5.1	.2	6.6	15.0	16.1	17.0	19.0	8.6	.8	-1.7	33.2
-180		13 51															34.0
-181		14 2	5.0	6.3	6.1	8.3	9.7	10.1	11.6	15.4	21.7	29.6	32.8	29.0	28.0	24.5	30.4
-182		14 4	3.6	5.5	4.4	6.2	7.2	7.7	9.5	14.4	21.9	29.9	31.2	28.0	26.9	23.3	31.4
-183		14 6		6.3	5.5	6.5	8.7	8.6	10.3	13.7	18.9	27.3	30.0	26.9	26.2	22.1	30.5
-185		14 8		7.9	7.6	8.7	9.9	10.4	11.2	14.7	20.8	28.0	31.4	27.7	26.7	22.7	30.9
-186		14 13		6.7	6.9	9.6	11.2	12.8	13.4	17.4	22.8	29.1	30.7	27.3	26.6	23.3	31.8
-187		14 14	3.2	4.3	3.6	5.1	6.3	7.4	8.8	12.2	17.7	26.1	27.6	24.9	24.7	21.5	34.5
AA-103-188	19 SEP 80	7 1	-4	-8	-2.4	-6	-1.0	.8	7.2	16.8	27.8	32.9	34.1	24.1	21.4	19.1	31.4
-189		7 3	-1.9	-1.4	-3.2	-2.3	-1.2	1.1	7.3	16.4	25.2	30.4	31.1	23.8	23.9	20.6	32.3
-192		7 21	-1.3	-1.8	-3.6	-2.5	-1.5	.4	6.2	13.8	22.8	33.0	33.0	24.1	22.0	16.3	29.1
-193		7 23	-2.4	-1.9	-3.3	-2.2	-1.3	1.5	7.6	14.0	24.2	29.5	33.9	24.4	22.3	18.4	31.3
-194		7 25	-3.7	-3.6	-5.6	-5.3	-4.4	-1.6	4.1	13.8	21.9	25.3	23.8	11.3	9.3	4.7	30.4
-200		7 52	-4.3	-4.0	-6.3	-5.4	-4.0	-1.1	5.6	14.8	19.9	24.0	22.3	12.1	14.3	8.1	27.3
-201		7 54	-4.4	-4.5	-6.7	-5.8	-3.9	.5	6.8	16.9	15.7	20.2	17.1	12.6	9.4	7.8	29.5
-202		7 56	-5.0	-5.3	-7.4	-6.4	-4.5	-1.1	5.9	17.1	15.7	19.5	18.2	13.1	8.6	6.3	29.5
-203		7 58	-4.8	-4.7	-6.9	-6.0	-4.4	.7	7.2	14.7	14.7	21.7	20.0	12.4	14.0	2.0	29.5
-204		8 0	-4.7	-4.8	-6.9	-6.0	-4.6	-2.2	9.0	13.5	20.3	28.0	24.7	12.3	10.1	8.8	29.5
-205		8 2	-4.3	-4.1	-6.3	-5.5	-4.8	-8	7.8	14.6	20.2	23.6	28.2	16.3	11.9	7.0	23.3
-206		8 14	-5	-1.0	-3.0	-2.5	-1.8	1.6	8.0	14.8	20.5	26.4	29.4	19.4	15.4	10.6	30.0
-207		12 53	2.1	1.9	.8	2.1	3.6	5.0	9.8	14.5	21.6	27.2	29.7	24.9	26.1	24.3	34.0
-208		12 55	1.6	2.5	2.2	3.0	3.7	5.6	10.4	15.8	21.2	26.5	28.1	23.8	24.8	22.7	31.3
-209		12 57	1.9	2.5	1.1	1.9	2.9	4.2	7.8	12.1	18.7	24.3	25.6	22.7	24.4	22.2	30.4
-210		12 59	3.2	3.5	2.6	2.6	2.8	4.1	7.3	11.0	17.8	22.7	24.7	22.2	23.3	21.3	29.5
AA-104-190		7 12	9.4	8.1	7.9	8.9	10.4	10.7	13.0	20.6	30.8	43.9	45.9	37.3	33.6	30.1	29.5
-191		7 14	8.6	8.7	7.5	8.9	10.3	10.2	12.4	20.0	30.5	45.2	47.8	38.6	34.5	30.4	30.9
-195		7 33	7.4	6.9	6.7	5.9	6.8	8.5	12.6	25.3	34.0	46.2	45.3	37.5	30.7	21.8	29.1
-196		7 39	7.2	5.8	4.2	3.8	4.3	5.5	9.0	19.6	28.2	40.0	39.8	37.2	31.1	22.5	29.6
-197		7 42	6.9	6.1	5.3	5.3	5.8	7.0	10.4	21.2	30.9	42.5	42.9	35.2	30.1	21.4	29.5
-198		7 44	7.7	6.9	6.2	5.2	6.0	7.5	10.8	21.5	33.3	45.1	44.2	36.2	31.4	23.7	29.6
-199		7 46	6.9	4.9	4.2	4.0	4.7	5.9	9.5	20.0	29.7	42.8	35.9	29.3	20.3	29.1	29.1
-211		13 16	6.7	5.8	4.9	6.2	7.7	6.8	9.1	13.5	20.2	30.7	32.9	28.9	26.8	23.2	29.6
-212		13 21	6.8	6.2	5.8	7.0	7.5	6.7	9.5	14.7	21.7	30.7	32.9	29.3	27.7	24.0	30.4
-213		13 35	7.5	7.1	6.8	8.2	10.1	10.5	13.4	16.0	22.5	30.8	34.6	31.6	28.9	26.7	31.3



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
OMEGA 13.1  
TEST AA-80B-081

PARAMETERS:  
ALL DATA LISTED

DATABASE:  
DISTANCE 1255 M  
DATE 02 FEB 87  
PAGE D53

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-103-214	23 SEP 80	7 08	.5	.5	-2.0	-1.7	-2	2.9	9.9	17.7	24.8	28.8	26.7	22.3	20.3	17.0	30.4			
-215		7 10	-5	-7	-3.0	-2.7	-9	2.2	9.2	17.0	22.4	27.8	26.1	20.5	17.7	12.4	30.0			
-216		7 12	-3.5	-2.2	-4.4	-3.5	-2.0	1.7	8.5	17.6	20.4	21.4	23.9	16.6	13.1	8.5	29.1			
-220		7 33	.4	2.7	.3	1.6	4.2	7.6	14.8	21.9	27.4	31.3	31.2	26.0	24.5	21.8	27.3			
-221		7 35	1.0	1.2	-9	-1.1	.7	4.0	11.1	19.7	26.1	28.4	27.9	20.9	19.5	15.7	29.5			
AA-104-217		7 21	5.9	5.0	3.8	5.7	6.1	7.1	9.4	15.6	23.4	34.4	34.8	27.5	25.8	22.2	30.4			
-218		7 23	6.3	5.8	4.2	5.8	6.5	7.9	10.6	16.4	23.5	34.5	37.1	29.0	26.5	22.3	29.5			
-219		7 24	6.0	6.4	5.1	6.7	6.9	8.1	10.5	15.9	23.0	34.1	35.6	28.8	26.9	22.8	30.4			
-222		7 41	6.8	6.8	5.4	6.9	8.0	8.7	11.9	18.9	27.4	37.9	31.7	28.2	24.6	29.5	30.4			
-223		7 43	5.6	6.9	5.5	7.4	8.6	9.5	12.4	18.5	27.6	38.0	36.7	31.6	28.0	24.5	30.4			
-224		7 46	6.4	6.4	5.2	6.7	8.2	9.1	12.5	19.5	27.7	35.7	37.1	31.1	27.3	23.8	30.4			
AA-103-235	24 SEP 80	6 59	-2.1	-1.8	-3.3	-2.0	-1	3.8	10.5	16.8	25.6	31.1	27.3	21.7	20.0	14.1	30.4			
-236		7 1	-2.9	-2.5	-3.8	-2.3	.2	6.0	15.7	20.0	24.2	24.5	23.8	13.5	10.3	5.3	29.1			
-237		7 3	-2.2	-1.2	-3.1	-1.7	.5	5.9	14.7	21.1	22.5	27.9	25.1	15.6	14.5	9.4	32.2			
-238		7 4	-2.6	-2.1	-3.7	-1.5	2.1	7.7	15.6	22.4	24.1	30.9	29.6	20.1	17.7	11.2	31.3			
-243		7 24	-2.0	-8	-2.5	-5	1.1	5.4	14.1	21.8	22.9	28.2	27.4	19.1	17.8	13.2	31.8			
-244		7 26	-3.2	-2.2	-4.2	-2.1	-1	4.5	13.6	22.3	21.9	26.5	27.4	18.4	17.3	12.8	31.3			
-245		7 27	-2.5	-1.9	-3.1	-1.6	.8	5.6	14.9	20.6	20.5	24.8	25.4	18.6	15.1	11.1	31.8			
-246		7 29	-4.1	-3.4	-4.4	-2.6	.1	4.7	11.8	23.2	27.8	29.8	27.2	18.1	15.7	9.5	31.3			
-247		7 31	-3.7	-3.0	-4.0	-1.9	.2	5.6	14.1	21.6	25.0	26.1	27.0	17.7	17.0	9.7	32.2			
-248		7 32	-3.5	-3.0	-4.8	-2.5	.1	4.6	11.9	20.8	26.6	30.3	27.5	18.6	17.5	12.7	31.3			
-257		15 0	.3	2.6	.7	1.6	2.7	4.9	10.0	16.0	24.7	33.0	34.6	28.0	27.7	23.3	31.3			
-258		15 1	2.0	3.2	1.7	1.9	3.5	5.5	10.3	16.9	25.3	32.4	33.7	28.7	29.0	25.2	31.3			
-259		15 3	.2	1.6	-.2	.5	1.6	3.5	8.8	16.1	27.4	32.9	32.6	26.7	26.8	23.9	31.3			
-260		15 4	.4	3.2	1.4	2.3	3.4	4.8	10.6	16.9	25.9	32.1	32.9	27.4	27.4	24.3	31.3			
-261		15 6	3.2	5.0	3.4	5.1	6.5	8.5	13.8	19.2	28.2	35.3	35.1	29.9	29.9	26.9	31.3			
AA-104-239		7 12	5.9	5.9	4.8	6.4	8.7	9.6	14.6	21.2	31.0	42.3	40.8	33.7	29.9	27.4	31.8			
-240		7 13	5.5	4.9	3.1	5.0	7.3	9.1	13.1	20.5	30.3	41.8	40.7	32.3	29.3	26.2	31.3			
-241		7 15	5.8	4.7	2.6	4.9	6.7	8.0	12.9	21.4	32.9	40.1	41.0	31.9	29.1	25.8	30.9			
-242		7 16	5.4	5.5	3.8	5.3	6.9	8.8	12.6	20.3	30.6	41.3	41.8	32.2	29.4	26.4	31.3			
-249		7 39	6.3	5.6	4.0	5.8	6.8	8.0	12.3	20.3	28.2	39.6	39.6	31.1	28.3	26.7	30.4			
-250		7 40	4.8	4.6	2.8	4.2	6.2	7.4	10.9	18.7	29.4	40.5	38.3	29.8	27.2	24.9	32.6			
-251		7 42	4.9	4.0	2.7	5.1	6.7	7.9	11.0	17.3	26.7	38.9	29.6	25.8	23.0	32.2	32.2			
-252		7 43	4.4	5.2	3.9	5.5	5.8	7.6	11.6	19.1	29.5	40.3	38.1	30.4	26.8	24.3	32.2			
-253		7 45	4.3	4.4	2.9	5.1	6.7	7.6	12.1	20.2	28.8	40.4	37.9	29.7	26.8	24.0	31.3			
-254		7 46	3.8	5.0	3.6	5.5	7.0	8.3	12.3	20.2	30.6	41.1	38.8	30.3	27.3	24.9	32.6			
-255		7 48	4.8	4.3	2.6	4.3	5.2	6.9	11.2	19.3	28.8	40.8	38.4	30.0	26.4	24.1	45.6			
-256		7 49	4.1	4.6	3.7	5.4	6.2	7.7	12.2	19.8	30.6	38.2	30.1	27.0	24.1	35.3	35.3			
-262		15 17	4.4	5.9	4.7	6.3	7.1	9.1	11.3	15.9	22.9	29.0	30.4	23.0	21.3	19.0	32.2			
-263		15 18	3.8	4.0	2.5	3.1	3.0	6.5	9.6	14.6	22.1	30.4	28.8	20.3	17.5	15.4	32.2			
-264		15 24	4.4	3.2	1.6	1.8	1.5	3.5	4.7	9.2	17.3	28.1	28.0	19.6	18.5	17.0	22.8			
-265		15 26	1.3	1.0	-.6	-.3	.0	1.6	4.0	10.3	18.8	27.5	27.5	19.7	13.4	11.1	32.2			
-266		15 28	1.2	.6	-.6	.5	.4	2.5	5.1	11.5	20.3	30.6	31.4	21.9	18.6	15.6	34.0			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE E53

ALL DATA LISTED

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000		
AA-103-214	23 SEP 80	7 08	12.9	10.1	8.2	4.8	6.2	5.7	5.9	6.7	10.3	10.3	10.3	10.3	10.3	10.3
-215		7 10	7.0	4.9	3.8	2.0	4.9	3.1	3.1	4.1	8.5	7.1	8.5	7.1	8.5	7.1
-216		7 12	3.2	2.0	1.1	-1.2	1.7	-1.6	-1.4	-2.0	5.9	2.8	5.9	2.8	5.9	2.8
-220		7 33	17.5	14.9	13.1	9.9	12.1	11.3	10.2	8.9	14.4	14.4	14.4	14.4	14.4	14.4
-221		7 35	10.1	6.5	6.1	4.6	6.8	4.4	3.9	3.2	10.1	8.1	10.1	8.1	10.1	8.1
AA-104-217		7 21	20.3	17.6	15.0	14.1	13.3	10.3	8.6	5.9	13.9	14.6	13.9	14.6	13.9	14.6
-218		7 23	20.7	18.6	16.2	17.0	15.3	12.2	10.7		14.9	18.0	14.9	18.0	14.9	18.0
-219		7 24	20.7	18.0	15.4	16.1	15.1	12.2	10.6	7.8	14.8	16.0	14.8	16.0	14.8	16.0
-222		7 41	21.6	19.5	18.0	18.4	16.6	13.6	12.4		16.3	19.1	16.3	19.1	16.3	19.1
-223		7 43	22.3	19.2	17.6	17.7	16.4	13.6	10.7		16.7	18.5	16.7	18.5	16.7	18.5
-224		7 46	22.5	19.8	18.1	18.1	16.5	13.6	12.1	10.1	16.5	17.6	16.5	17.6	16.5	17.6
AA-103-235	24 SEP 80	6 59	10.5	8.3	6.7	2.7	4.6	4.0	2.5	2.0	10.4	8.5	10.4	8.5	10.4	8.5
-236		7 1	1.8	-2	-1.1	-3.1	-3	-4.4	-6.4	-7.5	3.7	-2.9	3.7	-2.9	3.7	-2.9
-237		7 3	5.8	4.5	2.2	4.8	3.5	1.3	.2		9.9	6.7	9.9	6.7	9.9	6.7
-238		7 4	9.4	6.8	6.6	7.5	8.5	3.9	2.0	2.7	11.5	8.8	11.5	8.8	11.5	8.8
-243		7 24	8.6	5.8	8.1	9.7	5.2	3.5	2.5	2.1	10.7	8.4	10.7	8.4	10.7	8.4
-244		7 26	8.2	7.8	7.1	10.0	7.1	3.6	4.4	3.7	10.3	9.4	10.3	9.4	10.3	9.4
-245		7 27	8.2	5.1	3.8	4.6	3.8	.9	-6	-5	9.4	6.0	9.4	6.0	9.4	6.0
-246		7 29	6.6	4.4	4.1	3.3	2.6	.5	-1.1	-1.4	9.0	5.6	9.0	5.6	9.0	5.6
-247		7 31	7.3	3.1	4.5	3.5	4.2	2.5	.6	.5	9.6	6.4	9.6	6.4	9.6	6.4
-248		7 32	9.8	6.8	7.3	8.6	6.7	3.9	4.2	3.3	10.3	9.3	10.3	9.3	10.3	9.3
-257		15 0	20.2	18.0	14.4	10.8	8.6	6.3	6.7		13.6	15.1	13.6	15.1	13.6	15.1
-258		15 1	21.4	19.3	17.1	14.1	11.5	9.4	10.4		14.6	17.8	14.6	17.8	14.6	17.8
-259		15 3	20.3	18.4	15.2	11.0	8.4	5.5	5.8		12.7	14.8	12.7	14.8	12.7	14.8
-260		15 4	21.2	19.1	16.3	12.8	10.0	8.1	7.1		14.3	15.9	14.3	15.9	14.3	15.9
-261		15 6	24.2	22.2	19.9	17.1	14.7	12.0			17.6	20.6	17.6	20.6	17.6	20.6
AA-104-239		7 12	25.6	23.6	23.0	22.9	21.9	19.5			16.8	24.4	16.8	24.4	16.8	24.4
-240		7 13	24.6	22.2	20.9	21.8	21.5	19.1			15.9	23.4	15.9	23.4	15.9	23.4
-241		7 15	23.6	21.4	20.1	20.5	19.7	17.4			15.5	22.3	15.5	22.3	15.5	22.3
-242		7 16	25.4	23.1	21.2	21.3	20.6	18.0			15.8	23.0	15.8	23.0	15.8	23.0
-249		7 39	24.7	22.4	20.8	21.0	20.2	18.4			15.4	22.7	15.4	22.7	15.4	22.7
-250		7 40	23.3	21.0	19.8	20.6	20.1	17.9			14.4	22.0	14.4	22.0	14.4	22.0
-251		7 42	21.1	19.0	18.1	18.9	18.6	16.1			14.5	20.6	14.5	20.6	14.5	20.6
-252		7 43	22.2	19.9	18.6	19.7	18.9	17.1			14.8	21.2	14.8	21.2	14.8	21.2
-253		7 45	22.3	19.9	18.7	19.8	19.6	17.7			15.1	21.7	15.1	21.7	15.1	21.7
-254		7 46	23.9	22.0	20.7	21.7	20.8	18.3			15.5	22.8	15.5	22.8	15.5	22.8
-255		7 48	22.5	20.5	18.7	19.5	19.1	17.4			14.3	21.4	14.3	21.4	14.3	21.4
-256		7 49	22.6	21.0	19.6	20.2	19.8	17.6			15.3	22.0	15.3	22.0	15.3	22.0
-262		15 17	16.7	14.1	12.7	13.0	12.3	9.7			12.0	12.1	12.0	12.1	12.0	12.1
-263		15 18	13.7	11.4	10.1	10.2	9.0	6.0	5.0		7.7	9.3	7.7	9.3	7.7	9.3
-264		15 24	13.2	10.7	9.0	8.2	7.1	4.0	3.6		7.6	7.9	7.6	7.9	7.6	7.9
-265		15 26	10.1	7.5	5.0	4.0	4.1	2.0	2.6		8.1	4.6	8.1	4.6	8.1	4.6
-266		15 28	12.4	9.3	5.4	3.5	1.0	-2.1	-3.4	-1.3						

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE D54

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-103-267	25 SEP 80	7 10	-2.5	-2.5	-4.3	-3.8	-1.7	2.6	11.0	22.3	28.8	38.6	35.3	26.5	25.2	21.6	31.8			
-268		7 14	-1.2	-1.4	-2.8	-1.2	.7	4.0	10.6	20.2	32.4	41.6	39.7	30.9	26.5	22.1	31.3			
-269		7 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32.2				
-270		7 19	.5	.5	.3	.6	2.0	4.9	11.8	21.5	32.0	38.2	41.0	28.0	28.6	24.7	31.3			
-271		7 22	.4	.6	-4	1.5	2.5	5.1	11.3	19.2	30.5	40.0	40.2	32.3	32.7	28.5	31.8			
-277		7 50	.0	1.1	-5	.5	1.6	3.6	9.6	20.2	30.4	38.5	39.1	32.7	31.3	28.7	22.9			
-278		7 51	2.1	2.9	1.0	2.7	4.3	7.0	13.3	21.4	34.0	40.0	40.7	33.6	32.7	29.8	30.9			
AA-104-273		7 32	-1.4	-1.6	-3.4	-2.0	-.9	.8	6.0	14.1	24.4	36.9	35.5	26.3	23.3	20.4	31.3			
-274		7 34	-1.4	-1.3	-3.1	-2.2	-1.1	.6	5.6	13.9	25.2	30.0	31.7	26.4	22.5	17.2	33.1			
-275		7 36	-.9	-.1	-1.4	-.4	.4	2.1	7.1	16.0	28.7	29.7	27.2	18.6	14.2	10.8	35.8			
-276		7 38	.0	.1	-1.7	-.3	1.1	2.4	7.0	15.2	26.0	35.4	33.9	25.6	21.8	17.6	30.4			
-279		8 0	.7	1.6	-2	1.3	2.5	3.7	7.9	15.7	26.0	33.9	36.6	29.1	26.2	22.9	32.7			
-280		8 2	.7	1.3	-2	1.6	2.7	4.0	8.5	15.7	26.9	37.8	37.1	29.3	25.7	23.2	40.3			
AA-103-282	30 SEP 80	14 17	4.3	5.9	4.7	6.6	6.8	10.2	15.9	20.2	27.5	31.1	30.8	26.6	26.0	25.6	31.7			
-283		14 19	2.5	3.4	2.3	4.1	5.4	8.6	15.2	21.5	27.3	30.8	31.1	27.0	25.7	25.4	31.7			
-284		14 21	3.0	3.7	2.3	4.2	5.2	8.5	14.4	21.1	26.8	29.3	30.9	26.9	26.0	24.7	31.3			
-285		14 22	3.3	4.6	4.5	7.8	9.5	13.5	19.2	23.4	27.3	29.8	32.4	28.6	26.7	25.3	31.3			
-291		14 44	5.2	5.7	6.3	8.7	10.6	12.5	18.3	23.3	28.7	31.9	31.7	27.8	27.5	26.8	29.5			
-292		14 47	4.0	5.1	4.2	6.2	8.1	11.3	16.3	22.0	26.2	30.3	30.6	26.9	25.4	25.0	32.6			
-293		14 48	3.4	4.2	2.8	4.3	6.4	8.5	15.4	22.3	27.3	31.2	31.6	27.0	25.6	24.5	33.5			
-294		14 50	1.3	1.8	.5	1.6	2.3	5.0	11.1	17.2	23.6	26.3	27.1	23.8	22.5	20.5	30.4			
-295		14 53	2.8	4.3	2.9	4.7	5.7	8.3	14.5	21.1	28.9	33.9	33.5	28.2	26.4	25.2	31.3			
AA-104-286		14 30	4.1	4.6	4.2	6.3	8.3	10.5	15.4	20.3	24.1	27.8	25.3	17.5	12.1	11.0	31.3			
-287		14 31	.5	1.2	1.0	4.5	7.3	9.6	14.1	20.5	25.6	28.9	25.8	16.8	12.0	11.0	31.7			
-288		14 33	2.8	3.1	2.6	3.8	6.4	8.7	13.1	18.4	25.2	30.5	28.7	19.2	15.1	15.1	31.7			
-289		14 34	5.1	4.6	6.6	8.7	11.4	15.1	20.9	25.7	30.1	28.3	19.3	15.2	15.7	30.4				
-290		14 37	2.5	2.7	2.5	3.9	6.1	7.6	11.2	17.5	24.1	30.0	28.0	18.6	13.7	13.4	35.3			
-296		15 13	2.6	3.6	2.7	3.6	5.2	5.8	9.5	16.3	24.7	31.1	29.3	18.8	13.8	13.2	31.3			
-297		15 25	1.9	1.3	.6	1.7	2.9	4.2	8.9	17.4	26.9	32.6	29.4	19.1	13.6	12.2	31.3			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 1255 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E54

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)										OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000			6300	8000	10000	
AA-103-267	25 SEP 80	7 10	17.2	11.1	10.7	13.9	14.4	14.1									10.8	16.4
-268		7 14	16.9	15.3	13.7	15.5	15.4	12.8	14.0								12.4	17.8
-269		7 17	20.6	14.3	11.0	10.3	8.7	10.9	10.1								13.4	15.5
-270		7 19	17.9	12.3	7.0	3.2	-2.0	4	2.3	1.9	-1.5						10.6	5.9
-271		7 22	23.9	20.5	16.2	9.9	8.0	5.2	7.8								19.6	14.6
-277		7 50	25.6	22.4	19.0	16.9	15.8	14.7									13.5	22.0
-278		7 51	26.2	22.3	18.7	12.4	8.8	6.6	4.4								15.4	15.1
AA-104-273		7 32	18.8	18.1	16.5	13.4	7.9	4.8	2.9	3.0							8.1	10.7
-274		7 34	16.7	13.3	13.5	13.1	10.7	6.6	5.6	5.9							8.3	12.3
-275		7 36	8.3	6.0	4.5	5.4	4.4	1.8	1.5								9.0	7.2
-276		7 38	15.6	12.1	8.9												10.1	16.6
-279		8 0	21.6	20.7	19.8	20.1	18.4	15.2									11.4	20.1
-280		8 2	22.0	20.3	19.3	20.0	18.3	15.6									11.8	20.2
AA-103-282	30 SEP 80	14 17	23.1	20.7	18.0	15.8	13.1	10.1									18.4	19.5
-283		14 19	23.2	21.1	19.1	17.3	14.6	11.7									17.1	19.8
-284		14 21	21.9	18.9	16.5	14.0	11.4	8.3									16.9	17.9
-285		14 22	23.0	19.7	16.9	14.6	12.3	9.9									19.6	18.9
-291		14 44	24.7	22.5	20.2	18.6	16.3	13.6									20.8	22.0
-292		14 47	24.1	21.9	19.5	18.3	16.5	13.7									18.3	20.9
-293		14 48	21.8	18.9	16.6	14.5	11.9	9.4									17.7	18.7
-294		14 50	17.9	13.8	10.4	7.7	5.3	2.7	2.5								13.1	11.3
-295		14 53	23.0	20.2	17.6	15.4	12.7	9.8									17.6	19.5
AA-104-286		14 30	10.8	9.4	8.3	9.0	8.4	6.6									14.7	12.1
-287		14 31	9.3	7.8	6.4	6.3	4.6	1.7	1.1								14.1	8.6
-288		14 33	13.6	11.6	9.9	10.0	9.2	6.6									14.6	13.5
-289		14 34	14.7	13.0	11.9	12.0	10.7	8.2									16.6	14.8
-290		14 37	11.3	9.1	7.2	6.9	6.1	4.3									13.9	11.3
-296		15 13	11.7	9.2	7.1	7.2	6.0	3.6	2.1								11.8	8.7
-297		15 25	10.6	8.8	7.5	6.5	5.1	3.4	2.0								11.4	8.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87  
 PAGE D55

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO. DATE START TIME (HR-MN) 25 31 40 50 63 80 100 125 160 200 250 315 400 500 SAMPLE DURATION (SEC)

AA-103-299	01 OCT 80	7 0	-1.0	-4	-2.9	-8	3.9	9.4	16.2	25.7	28.5	30.7	29.9	26.6	28.5	18.6	31.3
-300		7 2	-6	-4	-3.0	-1.1	3.5	9.0	15.6	26.4	28.2	29.2	26.6	18.0	14.5	8.2	33.5
-301		7 3	-7	-6	-2.8	-1.1	3.5	8.7	16.2	26.8	28.2	29.8	26.0	16.5	12.4	5.9	32.6
-302		7 5	-5	-4	-2.8	-1.2	3.1	8.3	15.5	26.6	30.3	30.7	26.8	16.5	11.5	4.2	31.7
-303		7 7	-2	-1	-2.6	-1.0	3.7	8.5	15.5	28.7	31.2	31.9	27.4	15.0	9.1	4.8	32.2
-309		7 32	3	1.1	-1.1	.2	3.3	9.9	16.7	29.9				26.6	22.6	16.6	34.5
-310		7 33	3	1.1	-1.4	.1	3.3	10.3	17.8	28.3	36.6	41.9	38.7	26.2	21.2	15.1	32.2
-311		7 35	1.0	1.3	-1.0	.4	3.4	9.7	16.3	25.5	35.1	39.7	39.6	26.9	22.2	16.7	31.8
-312		7 36	.7	1.3	-1.0	.2	2.9	8.7	16.1	25.9	34.2	42.1	40.2	28.5	23.6	17.5	31.4
-313		7 38	.6	1.4	-1.0	.4	2.6	8.2	15.5	24.5	33.9	38.4	40.0	31.2	27.7	22.0	32.7
-319		7 59	3.5	5.6	2.7	2.8	4.1	8.8	16.9	29.0	37.6			30.2	25.8	16.4	34.8
-320		8 0	3.6	5.9	3.3	3.6	4.7	8.8	16.6	27.5	36.3			31.6	28.2	19.5	32.6
-321		8 1	4.0	6.4	4.1	4.1	4.9	8.9	16.4	27.8	35.8	39.3		32.4	30.2	23.3	32.6
-322		8 3	3.9	6.9	4.8	4.6	5.2	9.1	16.8	27.8	34.0	41.1		34.0	32.9	28.6	32.2
-323		8 8	3.5	5.7	5.6	7.1	7.7	10.3	17.1	27.6	37.3	42.9	39.1	35.0	34.8	32.3	32.2
AA-104-304		7 17	-6.5	-7.3	-7.6	-4.4	3.0	11.2	9.7	7.5	7.0	10.8	5.1	-3.2	-2.7	-2.9	31.3
-305		7 19	-5.8	-7.1	-7.6	-4.5	3.0	5.5	7.6	8.2	7.1	11.8	9.3	3.4	1.4	-8	21.9
-306		7 21	-6.6	-7.9	-8.5	-5.5	2.9	6.8	5.5	5.0	5.7	8.4	2.9	-5.9	-5.5	-6.8	32.6
-307		7 22	-6.2	-7.7	-7.8	-4.9	2.9	9.2	7.5	7.4	8.5	11.3	4.8	-6.0	-4.7	-4.8	24.1
-308		7 24	-6.4	-7.5	-7.5	-5.0	2.6	10.4	6.0	6.9	8.7	10.9	5.8	-4.2	-3.5	-4.8	31.3
-314		7 44	-7.1	-8.0	-8.7	-7.3	-3.2	.2	7.8	10.6	10.4	13.3	7.6	-.9	.7	.8	31.3
-315		7 46	-7.4	-8.6	-9.5	-7.5	-3.1	2.2	7.1	6.0	7.1	10.2	6.8	.0	-.9	-2.8	31.8
-316		7 47	-7.5	-9.1	-10.2	-8.8	-4.0	1.4	4.4	4.1	6.3	9.3	4.5	-6.7	-10.9	-12.9	31.3
-317		7 49	-6.8	-8.4	-9.4	-7.6	-2.4	5.7	6.9	5.3	6.5	8.9	4.1	-6.5	-9.6	-11.8	30.9
-318		7 50	-7.5	-8.8	-9.6	-8.0	-2.6	7.0	5.0	3.6	5.4	8.3	3.9	-6.2	-9.2	-11.8	33.5
-324		8 15	-7.0	-8.0	-8.9	-7.0	-3.4	.7	7.8	7.8	8.3	10.4	6.2	-5.0	-8.2	-10.9	34.5
-325		8 17	-7.7	-8.1	-8.3	-5.8	.5	10.0	5.6	5.0	6.9	12.5	12.6	-.1	-2.7	-2.9	32.7
-325		8 18	-8.4	-9.1	-9.9	-7.9	-3.7	3.7	1.3	4.3	1.8	4.3	.5	-8.7	-10.2	-10.4	31.9
-327		8 20	-7.3	-8.0	-8.9	-6.8	-1.9	4.0	6.2	4.7	5.2	7.2	3.7	-5.3	-7.4	-8.1	32.7
-328		8 22	-7.4	-8.0	-9.0	-7.1	-3.9	.5	5.6	5.5	5.9	9.4	6.6	-3.0	-6.3	-7.4	30.4
-329		8 24	-7.3	-7.7	-8.7	-6.8	-3.1	2.2	7.8	5.5	4.8	7.6	4.5	-5.1	-8.1	-9.1	33.5
AA-105-330	16 DEC 80	7 29	-1.4	-1.7	-3.6	-3.0	-1.7	-.5	7.3	15.6	22.0	28.6	29.0	20.2	17.3	11.6	29.5
-331		7 31	-3.8	-3.1	-5.4	-4.6	-2.6	-.7	6.4	14.0	20.6	24.9	25.4	16.3	14.7	10.4	45.6
-332		7 34	.4	-.6	-2.0	-1.8	-.6	.9	7.5	16.8	25.5	32.0	33.4	25.0	22.2	15.5	33.6
-333		7 36	1.4	1.0	-.8	.0	1.1	1.1	6.6	14.5	24.1	31.1	33.6	25.7	24.7	18.0	34.4
-334		7 39	-1.7	-1.8	-4.2	-3.5	-1.8	-1.1	5.2	12.6	19.3	25.0	24.9	18.3	17.4	13.3	32.2
-335		7 41	-1.6	-2.2	-1.6	.4	1.8	8.3	16.2	23.0	26.5	28.5	28.5	20.6	19.2	15.4	33.6
AA-106-336		7 51	5.3	7.1	7.9	10.1	11.1	11.6	13.9	18.6	26.1	33.6	33.4	31.0	28.9	25.3	32.4
-337		7 53	3.8	5.4	7.2	11.9	15.6	15.0	15.9	21.4	28.0	31.2	31.5	28.9	27.1	21.7	34.1
-338		7 56	3.4	5.7	5.5	7.1	9.9	11.3	15.9	21.3	24.6	29.3	29.9	26.2	25.1	21.7	33.3
-339		8 7	5.6	6.3	6.3	7.4	9.8	10.7	12.8	17.5	23.8	30.6	30.9	30.9	29.7	26.1	32.3
-340		8 9	5.8	6.6	6.8	9.7	12.4	12.7	14.3	19.0	26.2	33.3	32.7	29.2	27.6	24.5	34.1
-341		8 11	6.7	8.3	8.3	9.0	9.9	9.2	10.2	15.8	22.3	31.3	34.1	30.4	29.0	26.0	33.6





TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE 056

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)	
		START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-105-342	17 DEC 80	8 2	-1.9	-3.5	-3.8	-2.6	-1.1	7.9	19.7	27.6	38.8	30.1	20.2	35.9						
-343		8 8	-2.2	-3.6	-3.2	-1.6	-1.1	6.8	16.8	26.1	37.9	39.7	34.1	29.0	20.4	35.4				
-344		8 10	-2.2	-3.7	-3.4	-2.1	-1.5	6.8	16.7	26.0	37.5	39.0	35.3	30.2	21.0	35.9				
-345		8 12	-2.4	-3.3	-3.0	-1.7	-1.2	6.7	17.2	26.3	38.1	38.6	30.7	27.3	20.6	44.4				
-346		8 14	-1.5	-2.0	-2.2	-1.3	-1.0	6.9	17.4	26.3	40.0	39.9	32.2	26.3	15.9	33.6				
-354		13 13	7.7	8.4	12.4	16.6	17.5	19.3	22.7	26.4	28.9	30.5	26.8	28.3	26.7	49.6				
-355		13 17	6.1	6.1	8.2	10.6	12.4	16.1	20.2	23.8	27.6	29.4	26.3	28.0	27.8	34.0				
-356		13 18	7.8	9.7	11.8	15.9	17.5	21.2	24.7	27.7	30.3	30.8	27.7	29.0	28.2	34.4				
-357		13 20	6.6	8.1	10.7	13.7	17.5	21.0	23.3	26.1	28.1	28.5	25.3	27.6	27.6	34.4				
-358		13 22														34.4				
-359		13 23														34.4				
																33.5				
AA-106-360		13 42	-1.9	-3.2	-3.0	-1.0	-2.1	1.8	8.4	19.7	28.1	29.3	21.7	18.1	14.7	21.9				
-361		13 45	-1.4	-2.7	-3.2	-1.5	-2.0	1.7	8.1	18.2	25.0	26.3	18.9	14.8	10.8	32.2				
-362		13 50	-1.9	-3.8	-5.1	-5.6	-3.7	-3.3	2.5	12.7	17.1	25.1	27.9	20.6	15.2	10.6				
-363		13 54	-2.9	-4.7	-6.1	-6.8	-4.9	-4.0	2.2	11.5	17.4	23.0	23.3	14.9	11.1	3.7				
-364		13 57	-2.0	-4.2	-6.0	-6.8	-5.0	-4.5	1.0	10.9	17.5	24.2	24.5	11.9	5.8	2.4				
-365		14 1	-1.3	-2.1	-3.6	-4.5	-2.9	-3.2	2.3	10.7	21.1	29.5	30.8	20.9	13.5	6.0				
-366		14 6	-1.8	-1.6	-2.9	-3.5	-2.2	-3.1	1.3	9.2	20.0	29.1	29.5	15.0	8.0	33.5				
AA-105-367	08 JAN 81	10 30	-2.2	-2.2	-1.4	5.9	14.9	23.2	30.9	35.2	33.6	29.6	23.4	17.5	12.2	7.3				
-368		10 31	-3.6	-2.4	-1.4	7.1	16.3			34.8	33.8	28.2	21.4	16.0	13.3	7.6				
-369		10 34	-2.3	-2.5	-1.4	7.5	17.3	24.4		35.5	35.2	29.6	24.7	19.1	15.0	12.9				
-370		10 35	-1.4	-1.7	.9	8.8	17.8			32.5	34.9	30.8	24.8	20.0	17.7	11.0				
-371		10 37	-1.2	-1.4	.6	9.1				36.6	32.8	28.1	22.6	18.7	13.1	35.4				
-372		10 39														34.5				
-373		10 41														34.5				
AA-105-378	09 JAN 81	8 48	-6.7	-6.4	-3.6	7.6	17.1	7.3	7.3	11.6	6.3	6.2	1.9	.9	.8	-2.1				
-379		8 50	-6.4	-6.2	-3.7	7.6	17.6	8.7	6.3	11.0	5.0	3.5	-1.4	-4.1	-4.9	-6.3				
-380		8 51	-5.8	-5.6	-3.0	8.5	21.0	14.4	12.3	15.3	9.9	3.8	.5	-4.0	-6.8	-9.8				
-381		8 52	-6.3	-5.9	-2.9	7.8	18.1	11.8	12.2	14.2	15.1	9.9	8.4	3.9	2.1	-1.6				
-382		8 57	-6.5	-6.3	-3.9	6.2	15.6	14.1	14.0	15.1	15.1	9.8	6.0	2.5	.8	-8				
-383		8 58	-6.2	-5.6	-3.3	6.5	15.3	13.1	15.8	15.7	13.8	11.5	7.6	4.8	2.7	1.6				
-384		8 59	-6.3	-6.0	-3.6	6.1	12.9	8.9	10.6	9.0	6.2	2.2	-3.0	-6.0	-7.4	-9.4				
-385		9 1	-5.8	-5.3	-3.1	7.2	14.6	13.4	12.9	10.6	12.6	9.3	7.1	5.9	3.1	3.2				
-386		9 2	-6.0	-5.3	-3.0	7.7	15.5	14.8	13.9	11.1	13.1	10.1	6.4	3.3	1.4	.3				
-387		9 3	-5.8	-5.4	-3.0	7.9	20.0	20.8	19.1	14.9	17.4	16.8	11.1	7.5	6.9	4.0				
-388		14 9	-1.1	1.9												39.4				
-389		14 12	-1.4	1.6	10.3											36.7				
-390		14 14	-1.7	1.3	10.2											31.8				

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-001  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE E96

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
			80	100	125	160	200	250	315	400	500	630	800			1000			
AA-105-342	17 DEC 80	8 2	15.3	13.4	15.7	12.0	5.8											9.2	15.5
-343		8 8	14.8	8.3	1.1	3.3	1.8	-5.5	-10.4									6.1	1.0
-344		8 10	12.8	6.2	2.1	4.2	1.4	-6	-9.4									6.7	2.2
-345		8 12	12.9	5.4	2.2	6.1	3.2	-2.0	-9.6									6.6	1.8
-346		8 14	6.2	2.0	7.4	3.4	-5.4	-3.7	-10.0									5.9	.5
-354		13 13	24.6	22.0	21.4	20.2	18.1	15.3										22.7	22.5
-355		13 17	27.0	24.5	24.2	23.4	21.4	17.7										20.2	24.6
-356		13 18	26.0	23.1	22.7	21.9	20.1	16.6										23.6	23.8
-357		13 20	26.2	24.3	23.9	23.3	20.9											23.0	25.5
-358		13 22	27.3	25.2	24.9	23.8	21.7	18.4										28.0	25.7
-359		13 23	27.6	24.7	24.6	23.4	21.5	17.6										23.5	25.1
AA-106-360		13 42	11.3	7.7	6.5	5.5	2.9	1.1										6.7	8.4
-361		13 45	7.3	4.5	3.7	3.3	.6	-1.2										6.5	6.1
-362		13 50	7.5	4.6	3.4	2.7	1.1	.1										5.9	6.4
-363		13 54	.4	-.8	-.7	1.3	1.4	-1.5										4.3	3.6
-364		13 57	-1.1	-3.0	-3.4	-1.3	-3.6	-7.8										3.5	.1
-365		14 1	3.3	.8	1.9	4.0	4.4	2.5										5.7	6.1
-366		14 6	4.2	2.1	2.0	2.4	2.3	1.9										5.6	6.1
AA-105-367	08 JAN 81	10 30	3.1	1.0	-.4	-.5	-1.3											7.5	2.8
-368		10 31	1.5	-3.0	-4.9	-4.4												5.3	.0
-369		10 34	9.0	3.3	1.7	1.3	1.5											10.0	5.6
-370		10 35	4.0	-2.3	-1.7	1.4	4.9											7.7	2.7
-371		10 37	6.1	1.8	3.4	1.8												10.6	6.4
-372		10 39	13.0															24.3	21.2
-373		10 41																	
AA-105-378	09 JAN 81	8 48	-3.1	-3.7	-1.3	1.2	1.8	3.5	2.2									1.3	-.5
-379		8 50	-6.8	-5.4	-2.9	-.7	-.1	1.2	.3									-1.9	-3.7
-380		8 51	-12.4	-12.8	-11.9	-9.6	-7.7	-7.6	-12.9	-14.8	-13.0	-18.0						-6.7	-10.7
-381		8 52	-4.4	-5.2	-3.0	-2.2	-1.0	.3										1.4	-1.6
-382		8 57	1.4	2.4	3.7	3.9	4.1	4.7										3.8	2.9
-383		8 58	-.5	-1.5	-1.4	-.6	-1.0	-1.0	-2.1	-1.6								3.4	.4
-384		8 59	-8.2	-3.5	-3.7	-5.8	-2.2	-4.6	-2.4	-3.5								-3.2	-5.6
-385		9 1	2.5	3.1	4.4	5.6	6.9	9.1										5.2	5.0
-386		9 2	.5	.8	2.2	2.2	1.9	3.5										4.2	2.6
-387		9 3	1.6	3.2	4.3	6.7	7.5	8.2										6.3	5.5
-388		14 9	19.2	17.1	15.9	15.5												17.5	19.7
-389		14 12	19.7	18.0	17.1	16.9												17.1	20.8
-390		14 14	16.7	14.2	13.2	12.8												16.4	17.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1255 M

DATE 02 FEB 87  
 PAGE 957

TEST NO.	DATE	START TIME (HR-MIN)	1/3 OCTAVE BAND FREQUENCY (HZ)																		SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500					
AA-105-391	09 JAN 81	14 38	-2.5	-4.0	-8	9.5			24.9	29.6	24.9	21.1	17.9	15.4	11.3					16.5	
-392		14 42	-3.3	-4.4	-5	9.4			24.9	24.0	21.3	14.8	8.0	3.5	-5	-3.8				37.6	
-393		14 44	-4.3	-4.9	-1.2	8.2		18.9	26.8	27.4	26.1	18.4	10.5	4.7	.1	-3.7				41.6	
-394		14 45	-2.8	-4.8	-1.0	8.9			27.2	28.9	29.3	24.0	17.5	13.2	9.9	4.4				37.6	
-395		14 47	-3.3	-4.6	-1.1	8.2	21.9		28.7	28.9	28.8	23.6	16.6	11.4	8.0	4.0				35.3	
-396		14 49	-3.9	-5.4	-1.8	9.0			25.9	26.6	27.1	21.7	14.7	10.6	5.6	-9				36.7	
-397		14 50	-3.5	-4.9	-1.4	8.7			29.1	29.7	26.6	20.9	14.1	9.1	4.6	-4				38.5	
-398		14 52	-3.5	-4.9	-1.4	8.2		28.5	26.4	27.1	24.9	18.6	11.8	6.4	3.4	-3				36.2	
AA-105-399	13 JAN 81	8 7	.5	2.2	4.3	11.5	23.9		37.9	38.4	39.0	37.6	32.5	30.7	28.7	26.3				35.8	
-400		8 11	-5	2.6	5.1	12.1	24.1		36.9	34.9	30.0	28.5	27.5	25.4	23.4	21.4				28.6	
-401		8 13	1.7	2.7	5.1	12.0	24.9	29.8	35.9	37.4	39.1	36.6	31.6	29.5	27.7	24.9				35.3	
-402		8 14	1.0	2.2	4.4	11.2	24.1	29.1	34.2	37.4	38.2	37.0	31.9	29.8	28.3	25.3				34.4	
-407		8 35	1.7	3.0	5.4	12.5	24.4	30.5	37.3	37.6	36.4	31.2	28.9	27.0	24.5	22.5				34.4	
-408		8 37	.2	1.9	4.4	12.2	24.3	30.2	35.6	36.1	36.9	35.5	30.8	28.2	26.6	23.4				34.9	
-409		8 38	-1.1	1.2	3.7	11.0	22.7		34.9											34.9	
-413		13 7	2.1	2.5	4.5	12.3	24.2		38.3	40.9	39.8	39.1	34.5	31.8	30.7	27.9				37.6	
-414		13 11	.4	1.9	3.9	11.0	21.6	29.8	36.5	38.1	37.4	36.7	32.3	28.8	27.7	24.6				35.4	
-415		13 14	1.6	2.0	4.1	10.2	21.0	28.8	35.7	38.0	38.3	37.8	33.6	30.0	28.8	26.2				34.5	
-416		13 16	1.8	2.6	4.5	11.7	23.3		39.5	40.0	39.2	39.8	30.5	28.9	26.4	24.4				35.4	
-417		13 18	1.3	1.7	3.6	10.7	21.4	29.7	35.2	38.2	40.0	37.9	34.1	30.3	29.3	26.7				35.4	
AA-105-403		8 23	-5.0	-5.2	-1.4	10.7	23.9	21.9	24.5	21.8	18.7	12.4	7.3	3.1	-1.6	-5.0				35.3	
-405		8 26	-6.0	-5.8	-1.6	11.2	24.2	20.3	20.3	18.2	16.3	9.9	5.3	3.0	-1.1	-7.0				36.7	
-406		8 27	-5.9	-5.6	-9	10.8	22.5	19.0	17.6	14.6	12.0	7.6	2.4	-1.6	-5.0	-7.9				34.4	
-410		8 45	-6.5	-6.2	-2.0	10.7	23.4	17.3	16.5	15.5	13.6	10.2	4.5	-9	-3.5	-6.5				35.8	
-411		8 47	-5.8	-5.6	-1.4	9.6	23.8	21.4	21.9	21.6	18.8	14.5	8.1	3.7	-1	-3.1				36.7	
-412		8 50	-6.5	-6.0	-1.5	11.5	23.7	19.9	20.7	18.1	14.9	9.8	5.0	1.6	-1.5	-6.6				38.9	
-418		13 31	-2.9	-4.0	-1.4	10.1	23.6	26.2	27.6	27.1	26.3	20.5	13.9	8.9	4.2	.7				34.5	
-419		13 35	-3.2	-3.9	-5	8.9	22.5	25.9	26.0	24.8	24.0	21.6	17.7	12.0	7.8	1.9				35.4	
-420		13 37	-1.8	-3.0	5	10.5	23.5	29.8	27.4	24.1	21.1	16.0	10.5	5.9	1.6	21.1				35.4	
-421		13 39	-3.6	-4.6	-8	9.5	23.2	23.5	26.3	26.1	25.4	19.8	14.3	8.7	4.3	2.4				34.5	
-422		13 40	-3.9	-4.7	-1.2	9.3	24.0	26.8	28.0	27.1	24.7	22.4	15.4	8.4	3.5	-9				35.4	
-423		13 42	-4.1	-5.0	-1.4	8.5			26.9	27.2	23.0	17.5	13.2	8.9	3.8	38.5				38.5	
AA-105-424	15 JAN 81	8 19	-1.9	-1.8	.8	10.7	20.4		34.7	37.2	38.2	36.6	30.5	26.1	24.6	22.1				34.5	
-425		8 21	-1.8	-1.5	1.0	11.4	21.0	27.0	32.7	34.0	35.9	34.2	29.6	24.4	23.1	19.2				35.4	
-426		8 22	-1.6	-1.7	.8	11.0	22.4	30.7	35.2	38.6	40.5	38.1	31.2	26.5	25.6	22.5				35.8	
-427		8 23	-1.8	-1.1	1.4	11.4	21.4	29.3	34.6	36.7	37.7	35.0	30.7	25.3	23.7	21.0				35.4	
-428		8 25	-1.9	-1.3	1.8	12.5			34.6	36.7	37.7	35.0	30.7	25.6	22.9	18.8				34.5	
AA-106-429		8 33	-2.6	-4.5	-2.1	8.2	24.5	29.9	34.7	33.6	29.7	26.8	20.4	17.5	15.7	35.4				35.4	
-430		8 34	-3.1	-5.0	-2.3	8.0	23.7	28.5	32.1	32.9	32.2	27.5	25.9	23.1	20.6	19.4				34.5	
-431		8 36	-2.9	-4.8	-2.2	8.3	24.4	28.8	31.9	33.1	31.4	26.8	24.5	20.3	17.9	16.9				34.9	
-432		8 37	-3.7	-5.3	-2.6	7.5	23.3	28.2	31.3	31.6	31.3	28.2	27.2	23.2	19.4	18.7				34.5	
-433		8 39	-2.9	-4.8	-1.9	9.3			21.1	16.3	16.0	21.4	18.6	16.0	14.7	35.8				35.8	



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-001  
 PARAMETERS:  
 DATABASE:  
 DISTANCE 1255 M  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE 058

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-105-441	04 FEB 81	0 22	3.6	3.3	2.3	2.7	6.6	10.5	20.6	23.2	26.9	28.5	26.0	19.6	17.7	15.4	36.7			
-442		0 23	4.9	5.6	5.1	5.5	9.4	12.5	21.5	25.3	28.4	30.3	27.0	20.6	19.2	16.1	36.2			
-443		0 27	1.2	2.8	2.3	3.6	7.3	11.7	20.5	25.8	28.3	30.4	27.6	21.8	20.3	18.1	32.6			
-444		0 28	5.0	5.3	4.0	3.2	6.6	10.7	20.6	25.7	27.9	30.4	28.4	22.6	20.2	18.1	37.6			
-445		0 30	4.7	4.9	3.7	3.8	6.7	10.7	20.5	26.4	29.0	31.2	29.2	23.2	21.1	18.7	37.6			
AA-106-446		0 38	-5.4	-8.6	-8.4	-7.6	-6	5.8	11.9	10.3	13.8	12.8	7.2	-2.0	-4.3	-7.1	26.4			
-447		0 40	-1.8	-5.3	-5.1	-4.6	1.4	9.7	18.7	20.1	19.9	15.3	9.8	-3	-2.2	-6.7	40.7			
-448		0 41	-2.3	-5.4	-5.2	-4.8	1.3	9.0	16.3	19.8	21.9	18.7	11.3	-2	-2.8	-3.7	37.6			
-449		0 43	-2.6	-5.1	-5.6	-5.5	.0	7.2	18.3	21.0	23.5	20.3	11.3	2.0	-4	-4.0	37.6			
AA-105-450	12 FEB 81	13 10	1.8	.8	-8	.7	5.0	9.3	19.2	28.0	33.2	33.9	30.5	24.4	23.2	20.7	36.2			
-452		13 29	2.7	1.1	-2	1.9	7.0	11.0	21.1	31.4	36.9	37.5	33.1	27.4	26.3	23.6	27.3			
-453		13 32	3.5	2.8	1.7	3.3	8.2	13.3	22.7	31.6	34.8	36.6	32.8	27.2	26.2	23.5	34.4			
AA-106-455		13 56	-1.4	-3.3	-4.1	-3.5	3.2	9.5	18.4	23.3	27.0	27.0	21.1	12.0	9.4	6.5	36.2			
-456		13 58	.4	-2.1	-2.8	-2.7	3.5	9.7	21.1	31.4	34.4	31.5	23.8	15.2	14.2	11.0	36.7			
-457		14 1	-4	-3.0	-3.9	-3.3	3.4	10.5	20.4	28.0				11.7	11.2	8.1	34.4			
-458		14 6	.0	-2.6	-3.4	-2.9	3.1	9.2	20.6	30.9	34.7	32.4	25.5	17.3	15.3	12.4	31.8			
AA-105-469	25 FEB 81	12 59	6.1	5.5	6.4	7.7	8.7	10.3	13.1								34.4			
-470		13 1	1.7	2.2	.9	1.3	1.9	2.6	3.9	7.5	13.3	21.4	24.8	22.1	22.3	21.4	34.4			
-471		13 2	2.4	1.9	3.4	4.9	4.4	6.9	10.7	18.3	25.8	27.2	23.7	24.0	23.2		33.5			
-472		13 4	2.0	2.0	1.1	1.9	4.0	4.3	5.9	9.9	17.0	25.8	28.8	24.3	24.5	22.8	32.2			
-473		13 5	3.1	4.2	3.3	4.8	7.3	7.7	8.3	12.5	19.3	26.1	29.3	25.7	26.9	25.1	32.6			
AA-106-464		0 33	4.2	3.4	2.5	2.4	3.8	1.5	3.2	7.9	16.0	27.0	30.8	27.6	25.2	22.2	31.7			
-465		0 34	2.9	2.4	3.5	5.9	3.6	5.8	11.4	19.4	29.7	33.2	28.6	26.6	22.8		33.5			
-466		0 36	3.0	2.2	2.5	4.7	2.9	4.8	9.3	17.4	28.3	32.9	29.6	27.4	23.6		31.3			
-467		0 37	3.4	4.8	4.1	3.9	5.7	2.9	4.4	9.2	17.5	29.8	33.5	29.5	27.6	23.8	34.4			
-468		0 39	4.5	3.4	3.0	4.7	2.3	4.2	9.3	17.7	28.8	32.7	28.9	27.2	22.9		33.5			
-474		13 16	4.8	3.4	2.7	3.1	4.6	1.7	3.2	6.6	12.5	21.4	27.9	26.3	26.2	22.7	34.4			
-475		13 18	2.3	2.0	1.2	2.3	5.4	8.9	14.8	22.6	26.6	23.7	22.3	20.6			33.5			
-476		13 19	3.0	2.2	1.0	2.1	4.0	2.3	4.5	9.1	15.1	23.8	27.9	23.9	23.6	21.4	34.4			
-477		13 26	2.9	4.3	3.3	3.9	6.1	5.7	8.1	11.5	17.8	25.1	27.0	22.7	23.0	21.5	35.3			
-478		13 29	3.9	3.3	5.4	7.5	5.2	7.7	11.5	17.7	25.2	26.9	22.7	22.8	21.4		34.9			
AA-105-479	27 FEB 81	7 15	-2.0	-4.7	-7.1	-6.9	-4.1	-2.7	6.5	18.1	22.9	31.6	26.4	15.9	15.5	9.0	34.4			
-480		7 17	-2.5	-5.1	-7.6	-7.3	-4.4	-2.7	6.6	17.9	22.2	29.1	23.8	13.9	14.3	9.6	34.4			
-481		7 18	-2.1	-4.9	-7.3	-7.2	-4.4	-2.6	6.8	18.7	23.0	33.1	28.8	15.6	13.5	10.8	34.4			
-482		7 20	-2.8	-5.3	-7.5	-7.2	-4.2	-2.5	6.7	18.5	23.3	33.2	28.8	16.7	15.3	10.5	34.4			
-483		7 21	-3.8	-5.4	-7.6	-7.3	-4.4	-2.5	6.6	18.7	23.4	33.4	28.8	16.3	14.9	10.4	33.5			
-489		7 43	-2.8	-5.5	-7.7	-7.2	-4.2	-2.6	5.8	16.1	19.6	23.0	18.1	12.2	7.0		33.5			
-490		7 45	-3.2	-5.7	-7.8	-7.2	-4.4	-2.6	5.6	16.0	19.3	22.1	17.1	11.3	11.6	7.5	34.4			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE 58

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000		
AA-105-441	04 FEB 81	0 22	14.2	13.9	14.6	15.9	16.5	16.8									14.9	16.4	
-442		0 23	15.0	14.7	15.7	16.8	17.9	18.0										17.1	17.5
-443		0 27	16.6	16.6	16.9	18.4	18.1	17.6										16.3	18.8
-444		0 28	16.5	16.0	16.0	17.9	18.1											16.3	18.6
-445		0 30	16.6	15.8	15.7	17.0	17.6	17.0										16.5	18.2
AA-106-446		0 38	-8.4	-8.1	-6.7	-3.3	-4.4	-1.1										.4	-4.5
-447		0 40	-6.9	-5.4	-3.9	-.6	.7	5.0										2.4	-2.2
-448		0 41	-4.1	-5.1	-3.8	-1.6	-1.0	2.4										3.1	-1.4
-449		0 43	-5.7	-5.8	-5.1	-2.2	-.5	.8										2.9	-2.1
AA-105-450	12 FEB 81	13 10	20.1	20.6	21.9	23.9	24.1	24.1										14.9	22.9
-452		13 29	21.6	21.2	23.1	22.5	22.0											16.4	23.7
-453		13 32	22.3	22.4	23.1	24.8	24.2											17.9	24.9
AA-106-455		13 56	5.1	2.5	1.2	1.2	-.8	-2.5										7.8	3.4
-456		13 58	8.0	5.6	3.7	2.4	-.4	-2.8										8.6	4.1
-457		14 1	6.1	3.0	1.8	1.5	-1.8	-3.4										8.0	2.3
-458		14 6	10.0	6.2	3.7	2.8	.4	-2.3										8.7	4.7
AA-105-469	25 FEB 81	12 59	23.3	19.9	18.9	16.5	11.7											16.2	20.4
-470		13 1	18.7	14.9	12.9	10.8	6.4	3.1										9.7	12.8
-471		13 2	20.5	17.8	16.5	14.4	10.6	7.6										12.7	16.6
-472		13 4	18.9	15.9	14.3	12.0	8.3	5.8										11.5	14.8
-473		13 5	22.4	19.6	18.1	16.0	11.8	9.0										14.8	18.2
AA-106-464		0 33	17.5	11.9	9.3	7.9	3.3	-2.1										8.0	4.0
-465		0 34	18.5	13.0	10.5	10.1	5.9	1.1										11.4	10.8
-466		0 36	19.3	14.1	11.8	11.1	6.8	1.8										10.6	11.6
-467		0 37	19.3	14.2	11.9	11.3	7.2	1.7										10.4	11.4
-468		0 39	18.2	14.4	12.0	10.8	6.9	1.6										8.9	19.3
-474		13 16	19.4	15.0	12.0	11.1	8.5	5.4										10.2	10.8
-475		13 18	16.8	11.3	8.5	8.0	5.3	2.3										9.9	11.6
-476		13 19	17.9	12.7	10.5	9.9	6.5	2.0										12.6	14.2
-477		13 26	18.9	14.9	11.7	10.8	8.5	4.9										12.8	14.8
-478		13 29	18.8	15.1	12.4	12.0	9.5	6.5											
AA-105-479	27 FEB 81	7 15	6.7	5.1	6.7	5.9	1.3	2.1										7.7	6.9
-480		7 17	6.7	4.5	6.4	5.4	-.2	1.1										7.4	6.2
-481		7 18	7.8	5.8	6.6	4.8	.9	2.3										7.8	7.0
-482		7 20	9.1	8.1	7.0	5.8	1.7	2.3										7.9	7.6
-483		7 21	9.1	7.4	6.9	6.9	2.8	3.8										8.2	8.1
-489		7 43	4.2	.6	-1.5	.6	-1.8	-3.9										5.9	3.6
-490		7 45	4.1	.6	-2.0	-.7	-2.0	-5.2										5.8	3.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE D59

PARAMETERS:  
ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	1.3	-1.7	-2.1	-2.3	-1.1	-2.7	.2	6.9	19.0	32.2	34.9	28.8	25.1	20.1	34.4
-486		7 31	1.0	-1.8	-2.6	-2.7	-1.6	-3.2	.7	8.2	22.2	34.7	33.4	26.7	21.7	16.2	29.0
-487		7 32	.4	-1.8	-2.3	-2.7	-1.9	-3.1	.1	7.0	20.1	30.8	31.6	25.2	19.7	13.4	35.7
-488		7 34	1.7	-1.3	-1.5	-2.2	-1.1	-2.6	.6	7.3	20.5	31.0	33.3	28.5	22.6	16.7	34.4
-491		7 51	4.4	5.0	5.1		9.2	7.2	9.6	13.8	21.8	32.0	29.7	27.5	25.6	35.8	
-492		7 53	5.3	4.6	4.7	4.9	8.4	6.1	9.1	14.3	22.1	32.4	34.6	28.7	26.3	24.6	36.6

ESA STATISTICS:

MINIMUM	( -8.4	-9.2	-10.2	-8.8	-9.0	-8.1	-7.6	-5.7	-2.6	2.2	-3.0	-8.7	-10.9	-12.9	14.3
MAXIMUM	( 9.4	17.5	22.5	24.1	26.7	31.1	38.3	40.9	40.5	46.2	47.8	36.6	40.7	39.3	49.6
AVERAGE	( .0	.4	.3	2.6	5.7	7.8	13.1	19.0	23.9	28.0	26.8	20.8	18.6	15.4	32.0
STANDARD DEVIATION	( 3.9	4.6	5.1	6.1	7.9	7.9	8.2	8.0	7.9	8.6	9.5	10.1	10.6	10.7	4.4
NUMBER OF DATA POINTS	( 337	373	386	382	369	365	375	382	385	382	374	390	391	392	396



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 1255 M  
 DATE 02 FEB 87  
 PAGE E59

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)				
		START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000		
AA-106-485	27 FEB 81	7 29	14.0	6.8	2.2	2.2	.6	-1.1	-1.5									6.2	5.8
-486		7 31	9.2	2.0	-2.5	-4.2	-5.6	-6.2										4.9	1.0
-487		7 32	7.7	2.0	-2.2	-5.3	-9.0	-10.8	-10.7									3.6	-2.6
-488		7 34	12.1	6.2	2.3	.7	-2.4	-5.0	-6.2									5.6	2.8
-491		7 51					14.5	11.9										14.7	21.2
-492		7 53	21.0	18.1	16.3	16.1	13.5	10.5										14.0	18.2

ESA STATISTICS:  
 MINIMUM (-12.4 -13.5 -11.9 -9.6 -14.5 -20.3 -17.5 -24.9 -22.5 -26.2 -7.7 -14.9)  
 MAXIMUM (37.7 36.1 35.1 33.6 31.7 28.3 18.7 13.8 5.4 -3.8 35.3 35.9)  
 AVERAGE (12.5 10.1 8.9 8.7 7.1 4.7 2.0 -.3 -9.5 -18.4 11.0 10.5)  
 STANDARD DEVIATION (10.5 10.1 9.6 9.2 9.3 9.3 8.2 7.6 8.3 8.2 7.4 10.0)  
 NUMBER OF DATA POINTS (393 392 390 386 379 350 186 121 34 11 394 394)

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE D60

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-101-036	06 DEC 79	11 14	2.9	3.1	2.8	4.8	4.9	7.2	11.9	18.4	26.6	35.2	39.1	35.5	30.8	26.4	20.2		
-037	15 15	7.1	8.1	10.5	13.6	13.4	16.7	21.8	21.7	22.7	26.0	27.0	24.1	23.2	22.1	29.1			
AA-101-038	12 DEC 79	10 50																	
-039	11 18	2.0	1.8	1.8	2.4	3.2	6.4	10.2	13.9	17.6	30.2	28.2	24.8	20.3	30.4				
-040	13 10	1.9	1.8	1.8	3.1	4.8	10.2	14.9	21.1	21.6	25.9	30.2	24.7	18.2	13.5	29.5			
AA-101-041	13 DEC 79	11 30	3.7	3.4	3.6	4.8	4.9	7.4	11.6	15.0	16.3	19.2	22.8	24.1	19.6	14.7	30.0		
AA-101-043	14 DEC 79	12 6	-3.4	-2.8	-2.3	.0	2.4	3.2	5.8	9.1	12.2	19.9	24.9	23.7	20.9	19.9	24.6		
AA-101-044	23 JAN 80	11 54														21.5			
AA-101-049	29 JAN 80	13 27														21.0			
AA-101-052	05 FEB 80	13 37	.4	.4	.7	1.1	2.8	2.3	8.4	18.0	21.9	27.0	29.9	27.1	22.9	16.2	27.7		
AA-101-054	13 FEB 80	11 26	4.7	7.9	8.5	8.7	12.6	17.3	28.4	31.7	32.9	34.7	32.0	28.2	26.9	27.7	31.7		
AA-102-057	14 43	-6.0	-8.1	-8.7	-7.4	.5	11.8	20.1	22.3	25.7	31.9	20.8	7.7	2.4	-3.0	24.6			
-058	14 51	-2.1	-5.8	-5.9	-5.8	4.1	17.9	22.4	25.3	32.5	32.1	17.8	11.0	6.4	4.5	25.5			
-059	15 15	-5.7	-7.9	-8.7	-7.7	.3	12.8	20.4	21.6	25.2	29.3	19.3	10.0	2.0	-3.4	33.1			
AA-101-060	14 FEB 80	9 54	3.5	2.7	3.0	3.3	6.3	10.7	22.1	27.6	31.8	33.4	32.4	28.3	25.8	24.5	43.4		
-061	11 3	1.5	3.5	4.3	5.8	9.1	13.2	23.2					31.3	27.3	26.2	24.3	28.6		
AA-101-065	20 FEB 80	11 19	5.0	6.4	7.3	8.3	11.4	9.7	10.2	12.2	16.1	25.0	31.7	34.0	35.0	35.8	29.5		
AA-102-067	19 11	-3.6	-4.3	-4.1	-4.7	-4.8	-5.7	-5.8	-3.7	1.9	12.4	21.4	21.1	24.3	24.7	30.6			
AA-101-068	21 FEB 80	14 10	-3.7	-3.1	-3.6	-4.0	-4.6	-7.4	-6.4	-4.5	-3	7.2	14.8	18.6	21.4	17.2	29.2		
-069	14 13	-2.1	-1.3	-1.9	-3.2	-4.9	-5.4	-6.2	-4.8	1.4	12.9	19.7	23.3	25.2	17.7	24.6			
AA-102-070	14 33	7.5	7.8	12.3	14.5	17.0	18.6	18.9	20.6	22.1	26.2	26.9	25.1	23.3	23.8	27.7			
AA-101-073	27 FEB 80	11 57														25.0			
AA-101-074	01 APR 80	11 3	7.9	11.2	12.9	14.8	18.1	18.7	22.6	29.5	32.1	34.3	37.2	35.6	35.2	34.3	33.6		
-075	11 22	9.4	11.2	11.2	15.1	13.4	18.2	22.2	26.9	32.6	35.1	33.0	31.2	29.4	28.1				
AA-101-076	03 APR 80	11 17	3.9	5.5	5.0	4.7	8.0	12.8	17.1	22.8	30.0	32.6	30.9	28.8	25.8	27.7			
-077	14 12	1.0	.1	-8	-1.2	.7	1.1	7.1	14.6	22.8	28.0	29.8	28.2	27.4	21.7	35.3			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE E60

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-036	06 DEC 79	11 14	22.3	16.0	11.0	8.2	6.2	4.0	3.0	1.7						12.9	11.2
-037		15 15	18.8	15.7	13.9	13.1	10.4	7.3	3.8	-1.4						16.6	11.5
AA-101-038	12 DEC 79	10 50	27.4	25.4	24.3	23.7	21.6	19.0								29.8	25.7
-039		11 18	15.5	10.5												6.7	15.8
-040		13 10	9.3	4.0	1.0	0	-3	-1.2	-3.1	-5.8						8.7	3.1
AA-101-041	13 DEC 79	11 30	11.1	7.1	3.0	1.0	-2.7									8.1	11.0
AA-101-043	14 DEC 79	12 6	17.6	11.8	8.0	6.5	2.8	-4								9.1	10.1
AA-101-044	23 JAN 80	11 54	12.3	8.3	5.5											19.1	12.6
AA-101-049	29 JAN 80	13 27	19.0	14.6	12.0											22.2	19.7
AA-101-052	05 FEB 80	13 37	11.4	7.3	6.8	6.0	2.3	-3.0								9.3	6.2
AA-101-054	13 FEB 80	11 26	25.5	23.5	24.2	25.3	24.4									21.3	26.5
AA-102-057		14 43	-2.4	-2.3	-5	1.9	-1.7									6.5	2.5
-058		14 51	4.8	4.8	4.0	5.8	2.6									9.0	6.1
-059		15 15	-4.7	-3.7	-1.7	-6	-5.6									6.3	1.2
AA-101-060	14 FEB 80	9 54	22.3	18.4	16.8	16.0	12.1	5.7								13.6	16.3
-061		11 3	22.3	19.4	18.6	17.2										12.0	22.6
AA-101-065	20 FEB 80	11 19	33.7	28.0	24.5	23.3	21.7	18.9	16.6							16.6	24.7
AA-102-067		13 11	18.7	10.5	6.0	2.6	0	-2.6								1.2	8.5
AA-101-068	21 FEB 80	14 10	7.9	3.0	1.7	-2	-1.3	-1.7	-5.0							-8	2.5
-069		14 13	11.8	7.6	5.7	6.1	3.0	0	-3							1.2	7.2
AA-102-070		14 33	21.3	18.6	16.3	13.6	11.9	10.1								21.0	18.8
AA-101-073	27 FEB 80	11 57	14.2	11.3	10.0	7.6	4.6	1.0								15.5	10.2
AA-101-074	01 APR 80	11 3	32.9	29.6	28.2	27.2	26.6	24.3								26.0	30.2
-075		11 22	28.3	24.8	23.1	21.3	21.7	19.9								20.4	25.6
AA-101-076	03 APR 80	11 17	22.1													14.7	24.1
-077		14 12	16.6	9.1	4.6	2.9	1.8	-7	2.4	-9						10.5	7.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE D61

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)	
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-101-080	10 APR 80	9 39							20.4	22.3	23.6	27.3	27.4	25.8	24.1	22.9	15.2			
-081		10 47			15.1	16.2	18.1	19.9	20.8	20.9	20.8	22.9	23.2	19.8	18.3	18.2	34.4			
-082		11 47				13.8	19.1	18.0	18.1	19.1	20.5	22.6	23.7	22.1	20.8	20.3	32.2			
-083		12 3		1.7	5.5	6.4	7.6	7.6	7.6	9.5	9.6	12.1	12.5	8.8	5.8	5.1	33.5			
AA-101-087	11 APR 80	10 51	3.7	5.4	6.3	10.5	13.8	15.5	15.5	20.4	22.6	24.4	25.8	25.6	25.2	23.8	25.5			
AA-101-088	16 APR 80	10 4	3.2	4.8	4.5	4.8	7.5	9.6	12.9	18.2	24.0	27.9	30.8	29.7	26.6	22.2	34.0			
AA-101-089	17 APR 80	11 23	6.7	7.3	7.7	9.3	12.9	12.8	16.4	19.0	22.1	27.9	30.0	28.8	27.7	26.8	29.6			
AA-101-090	18 APR 80	11 6	4.5	4.6	5.0	6.6	8.3	10.1	14.1	18.0	22.0	24.1	26.3	24.5	22.4	22.3	23.3			
AA-101-092	22 APR 80	11 2							24.6		27.8	30.7	30.2	26.5	23.6	20.3	25.0			
AA-102-093		14 10	-3.1	-5.0	-6.0	-5.0	-2	5.3	12.0	15.8	19.6	20.1	16.2	7.3	1.9	-2	14.8			
AA-101-094	06 MAY 80	14 33	2.9	2.9	2.5	4.4	7.4	12.6	17.5	22.8	28.4	31.8	30.6	25.6	23.4	20.8	29.1			
AA-101-096	08 MAY 80	10 26	-1.4	-3	2.6		6.7	13.8		23.3	20.4	21.4		19.8			15.7			
AA-102-097		14 52	-1.4	-3.1	-3.5	-7	3.7	9.1	13.9	18.6	25.7	30.0	21.8	8.5	5.3	1.4	29.1			
AA-101-098	09 MAY 80	10 40	7.7	10.0	13.2	16.5	20.5	23.7	25.3	28.2	30.2	32.1	31.5	27.9	26.5	24.0	34.3			
AA-103-101	09 SEP 80	7 10	-5	.6	-3	1.9	4.8	7.7	12.9	22.6	32.8	33.9	32.7	23.2	17.6	11.6	30.0			
-103		7 24	.0	.7	-4	1.3	5.5	9.2	15.8	21.6	25.1	30.5	33.4	27.5	19.8	12.9	29.5			
-105		7 35	1.0	1.2	.4	1.8	4.6	10.1	15.8	19.5	27.7	29.4	26.4	17.7	16.8	14.0	32.2			
-112		12 58							29.0	32.2	33.2	32.3	28.0	29.5	27.9	28.6	32.2			
-114		13 10							26.5	29.0	29.9	32.9	32.2	27.2	28.5	27.6	32.2			
-116		13 23							22.2	24.7	25.2	27.4	30.2	30.3	25.4	26.2	25.5	30.4		
-118		13 37							12.2	17.3	18.9	24.1	26.3	26.8	29.3	31.5	32.2	27.7	26.8	
-120		13 53							12.8	17.4	18.8	20.7	24.6	24.9	26.5	29.3	29.4	25.7	26.9	25.7
-122		14 8										30.4	31.4	26.1	27.7	27.1	26.4	26.4	26.4	26.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 PARAMETERS:  
 DATABASE:  
 DISTANCE 1757 M  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE E61

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000		
AA-101-080	10 APR 80	9 39	21.3	19.4	17.9	17.7	17.2	15.5									23.0	20.2	
-081		10 47	17.5	15.8	14.8	13.3	12.7	10.5										19.3	15.9
-082		11 47	19.7	17.6	16.6	15.3	14.9	12.1										19.5	17.8
-083		12 3	5.9	6.5	6.3	5.2	3.4											8.3	7.8
AA-101-087	11 APR 80	10 51	22.5	19.5	16.7	15.2	13.4	10.7	11.0									18.4	17.5
AA-101-088	16 APR 80	10 4	17.7	14.0	13.2	13.3	14.8	10.4										13.9	20.0
AA-101-089	17 APR 80	11 23	25.6	22.4	20.4	19.2	18.2	15.3										18.9	21.8
AA-101-090	18 APR 80	11 6	21.3	17.0	15.6	15.8	15.6	14.0										16.2	18.4
AA-101-092	22 APR 80	11 2	20.9	21.3	21.2	20.8	21.4											25.7	22.6
AA-102-093		14 10	-9	-9	-9	1.6	-1.5	-1.5										6.8	2.2
AA-101-094	06 MAY 80	14 33	18.4	14.9	12.2	10.1	8.9	5.3										17.0	14.7
AA-101-096	08 MAY 80	10 26																9.6	21.3
AA-102-097		14 52	2.4	.8	2.5	3.1	-1.1	-5.0										7.8	2.9
AA-101-098	09 MAY 80	10 40	21.7	18.0	15.9	14.1	12.1	7.7										21.9	17.6
AA-103-101	09 SEP 80	7 10	6.5	4.2	5.6	.7	3.5	2.3	-1.1	-3.4								9.2	5.0
-103		7 24	12.2	16.0	9.5	7.8	12.0	11.7	7.7									15.0	13.5
-105		7 35	3.8	3.5	.7	-1.1	-1.5	.6	2.2	-1.5								9.7	4.3
-112		12 58	26.0	25.3	24.3	23.7	21.3	16.6										29.0	24.8
-114		13 10	25.2	24.4	23.5	22.5	20.6	16.0										27.5	23.9
-116		13 23	23.2	22.6	21.8	21.1	18.7	13.5										24.4	21.7
-118		13 37	24.3	23.5	23.2	22.1	19.3	14.0										25.6	22.8
-120		13 53	23.5	22.3	21.1	20.3	17.7	12.6										23.9	21.2
-122		14 8	25.0					15.6										30.4	26.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (L/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B08-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE D62

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-104-102	09 SEP 80	7 17	-8.7	-7.9	-6.2	2.1	7.6	5.0	10.2	16.3	13.4	11.6	8.1	-1.9	-3.8	-3.9	32.2			
-104		7 30	-9.4	-8.8	-10.0	-6.6	-9	4.9	3.1	1.3	3.6	8.1	.0	-9.1	-7.5	-4.9	34.5			
-106		7 40	-9.1	-9.2	-10.6	-8.0	-3.4	-1.0	3.6	3.0	4.1	6.2	-1.1	-8.3	-8.2	-9.9	37.6			
-108		7 50	-9.9	-9.6	-10.7	-8.1	-3.6	-1.3	-2.0	-2.9	-1	3.0	-5.7	-16.4	-13.9	-31.3	31.3			
-110		8 1	-9.7	-9.6	-11.0	-8.4	-4.7	-3.2	-7	-2	3.6	8.0	-1	-8.9	-8.1	-8.7	36.7			
-113		13 4	1.6	-3	1.3	1.9	4.8	11.0	21.5	20.7	28.6	34.9	28.9	12.8	8.3	8.5	33.6			
-115		13 16	4.9	5.4	2.5	5.1	9.9	13.5	20.0	25.3	33.2		15.7	12.9	11.5	35.3				
-117		13 29	-1.1	-8	-3.0	-1.3	1.2	5.1	11.5	16.1	21.9	27.2	22.8	3.7	1.4	1.2	29.5			
-119		13 47	1.3	1.0	-7	1.1	4.4	11.1	18.6	18.7	25.2	29.4	24.9	10.1	6.2	6.1	31.3			
-121		14 3	-2.6	-1.8	-3.2	.7	6.8	15.8	18.0	20.5	26.2	27.0	21.9	7.3	5.6	4.5	31.4			
-123		14 13	-1.3	.0	-1.5	.3	3.5	7.4	11.6	17.1	24.2	27.9	23.3	9.1	7.1	4.7	31.3			
-124		15 18	.6	-1.5	-3.0	-1.0	4.1	8.8	16.1	19.2	27.0	28.8	18.4	9.6	2.5	.1	30.4			
AA-103-125	10 SEP 80	6 58	-5.0	-5.4	-6.5	-5.9	-4.1	-1.7	3.4	8.3	12.7	15.1	18.9	10.8	6.9	2.8	30.4			
-127		7 11	-3.9	-3.7	-4.0	-2.0	-1	2.0	7.9	13.9	20.4	22.4	22.6	11.9	8.6	3.6	30.4			
-129		7 22	-4.1	-4.1	-4.8	-4.4	-2.7	-5	4.9	9.9	15.7	18.2	22.1	13.3	11.2	7.9	29.5			
-131		7 33	-3.1	-3.4	-4.1	-3.5	-1.7	1.0	6.7	13.4	18.2	19.8	21.9	13.9	11.3	6.7	28.2			
-133		7 44	-2.9	-2.6	-3.5	-2.5	-5	2.6	7.3	12.3	19.6	21.9	23.5	14.4	13.3	9.4	29.5			
-135		13 0	.2	.0	-1	1.3	2.4	2.3	7.3	12.9	18.5	22.7	26.8	23.1	22.1	17.5	29.9			
AA-104-126		7 4	6.3	8.2	7.0	8.2	10.2	11.8	16.6	23.9	31.6	38.7		32.1	26.9	38.5				
-128		7 16			12.2	12.3	13.7	15.3	20.8	26.2	33.2	39.1	38.5		32.3	28.2	31.3			
-130		7 28															31.3			
-132		7 39			8.3	9.1	12.8	14.7	18.7	21.2	29.9	37.6	37.2	34.7	31.4	26.8	31.3			
-134		7 50			8.7	11.7	14.9	17.4	19.0	24.6	29.4	37.4	38.3	34.3	32.3	27.4	30.4			
-136		13 4	7.1	8.1	6.9	8.1	12.1	14.6	19.4	24.9	26.5	31.3	31.0	25.2	24.9	22.6	30.4			
-138		13 14			8.7	9.9	12.4	16.0	19.1	20.0	22.0	22.5	25.6	20.2	20.4	19.9	30.4			
-140		13 24	6.2	8.9	9.7	13.7	13.7	17.2	22.1	23.1	26.2	28.7	29.8	24.3	23.7	21.5	30.4			
-142		13 36			7.1	7.8	9.1	11.7	12.4	17.2	22.6	27.4	30.8	29.5	25.2	22.1	28.7			
-144		13 49			10.2	9.9	10.3	13.4	14.1	19.8	23.9	29.2	33.4	32.8	27.7	25.2	29.5			
AA-103-145	16 SEP 80	7 19	2.0	2.4	1.7	2.4	6.1	12.2	19.6	22.3	31.3	41.5	39.0	30.2	26.1	18.5	36.2			
-147		7 34	-1	.1	-1.1	-.6	2.7	7.4	13.9	21.3	32.0	35.5	33.8	24.0	20.2	15.7	31.3			
-149		7 47	1.2	1.1	.1	.7	2.6	6.9	12.1	19.0	31.7	35.7	35.8	26.3	23.6	19.5	29.5			
-151		8 0	3.7	4.4	3.4	4.4	6.5	10.3	21.4	32.1	37.8	37.0	29.3	27.6	26.4	30.4	30.4			
-153		8 12	3.3	4.0	3.3	3.6	5.2	10.0	14.3	20.8	31.7	34.4	35.4	29.7	30.2	29.2	29.5			
-155		13 12	9.5	11.4	12.7	10.2	25.1	29.8	34.4	37.4	37.0	31.5	32.7	30.2	30.4	30.4	30.4			
-158		13 49	5.4	9.1	10.4	13.5	16.1	19.8	26.6	29.0	31.7	35.6	35.4	29.8	30.6	29.1	32.7			
-159		13 51							26.0	29.5	33.9	38.2	37.4	31.5	33.3	31.6	31.3			
-160		13 54						20.0	25.3	29.0	32.3	37.1	36.4	30.8	31.8	30.1	32.2			
AA-104-157		13 42	1.2	.0	-2.1	-.9	3.6	8.0	15.3	19.1	24.9	31.7	26.3	14.0	11.7	8.3	34.0			
-161		14 8	-1.3	-1.7	-3.9	-2.3	2.8	9.2	19.6	17.5	21.8	31.7	23.1	6.0	5.7	5.3	24.2			
-162		14 11	-1.0	-1.6	-4.0	-2.7	2.1	8.7	16.7	19.0	22.7	27.6	20.7	4.9	4.1	3.3	29.1			
-163		14 13	-4.0	-5.0	-5.7	-2.3	4.2	10.6	17.1	15.8	19.0	23.2	19.7	6.9	1.8	.8	21.5			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE E62

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)	
AA-104-102	09 SEP 80	7 17	-5.0	-6.1	-6.6	-2.4	-7.5	-9.1	-7.8	-10.9						.6	-5.6	
-104		7 30	-4.7	-7.0	-5.2	-6.2	-10.7	-14.9	-16.9	-18.1							-3.1	-9.9
-106		7 40	-11.6	-9.7	-8.9	-10.1	-11.7	-16.6	-19.0	-20.7							-5.6	-12.5
-108		7 50	-12.7	-13.0	-14.6	-12.5	-17.2	-21.8	-25.2	-26.9							-9.8	-17.5
-110		8 1	-9.1	-8.8	-7.6	-8.8	-12.1	-15.2	-18.7								-3.9	-10.1
-113		13 4	4.1	4.6	6.0	6.9	3.4	-7.7									12.8	7.5
-115		13 16	8.2	8.0	7.2	8.8	6.3	2.5									16.1	10.5
-117		13 29	.3	-1.2	-1.7	.6	-9.0	-7.8	-9.6								6.3	-6
-119		13 47	5.3	2.7	4.7	4.6	1.1	-3.7									11.2	5.3
-121		14 3	4.6	4.3	4.7	4.6	1.1	-3.7									11.0	4.8
-123		14 13	1.4	-4	-1.2	.7	-2.3	-7.0									8.6	2.0
-124		15 18	-1.5	-2.4	-1.6	1.3	-1.8	-7.4									8.5	1.0
AA-103-125	10 SEP 80	6 58	-3	-2.5	-4.1	-5.1	-6.2	-8.7	-9.9	-10.3							1.9	-3.1
-127		7 11	-4	-1.9	-3.8	-3.8	-4.4	-7.0	-7.7	-8.0							4.1	-1.3
-129		7 22	3.4	2.1	-3	-1.9	-3.1	-4.9	-4.6	-5.8							4.8	.9
-131		7 33	2.6	.8	-3.4	-6.2	-4.5	-6.9	-6.9	-6.8							4.2	-1.0
-133		7 44	4.7	1.8	-1.1	-1.8	-1.9	-3.4	-4.8	-4.2							6.3	1.7
-135		13 0	12.6	9.7	6.2	3.9	2.0	-3	1.2								10.6	7.9
AA-104-126		7 4	23.1	20.0	17.7	18.3	17.8	15.1									19.8	21.8
-128		7 16	24.8	22.3	20.3	21.1	20.2	17.9									23.8	24.1
-130		7 28																
-132		7 39	23.1	20.3	18.6	19.7	19.1	17.0									21.6	22.9
-134		7 50	23.3	20.8	18.1	18.8	18.3	16.0									23.1	22.8
-136		13 4	19.1	15.9	12.8	12.8	12.2	9.8									20.0	17.2
-138		13 14	16.4	13.9	11.0	11.0	10.2	7.7									19.3	14.4
-140		13 24	18.3	15.3	11.8	10.9	10.3	8.0									20.5	15.5
-142		13 36	19.2	16.1	13.8	14.8	14.5	11.8									19.6	17.8
-144		13 49	22.0	19.0	15.8	15.4	15.1	13.1									21.2	19.5
AA-103-145	16 SEP 80	7 19	18.3	19.8	15.0	14.9	18.1	16.0									17.9	20.3
-147		7 34	9.0	3.6	-9	3.2	-1	3.0	1.4	1.3							10.2	5.5
-149		7 47	15.1	13.9	7.2	3.7	4.0	3.6	4.0	4.4							12.6	9.8
-151		8 0	24.0	21.8	18.9	18.8	13.9	10.5	10.9								17.5	19.2
-153		8 12	27.1	25.3	22.6	20.1	17.0	13.5									17.2	23.1
-155		13 12	28.3	26.7	23.7	22.2	19.3	14.8									26.4	24.7
-158		13 49	26.9	26.3	24.7	23.3	20.5	16.1									25.5	25.0
-159		13 51	29.5	28.6	26.9	25.0	22.4	17.3									30.0	26.8
-160		13 54	28.5	27.5	25.7	24.1	20.9	16.4									28.1	25.8
AA-104-157		13 42	5.9	4.9	3.7	5.1	6.3	3.5									11.7	8.1
-161		14 8	3.3	3.7	3.9	7.3	4.9	2.4									10.5	7.2
-162		14 11	3.1	4.0	4.9	6.5	3.4	1.8									10.0	6.9
-163		14 13	1.8	2.0	3.7	4.6	1.7	.7									9.2	5.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 67  
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TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-108-146	16 SEP 60	7 28	-1.4	-2.1	-2.2	1.2	7.6	17.3	18.7	23.8	23.9	9.7	.4	-2.2	-4.8	29.5			
-148		7 40	1.2	-1.0	-1.4	2.2	6.6	16.6	20.3	26.0	23.9	10.8	3.6	4.7	4.6	31.3			
-150		7 53	.2	-1.6	-2.2	-1.9	6.4	15.4	17.5	23.4	24.5	13.1	4.1	2.5	.3	32.2			
-152		8 6	-1.5	-1.7	-1.1	1.2	6.1	13.9	21.7	27.6	24.9	13.5	7.7	8.1	7.1	30.4			
-154		8 21	-1.9	-2.4	-2.8	-1.7	3.4	12.1	20.2	23.6	21.1	10.7	4.7	5.7	4.0	30.4			
AA-103-164	17 SEP 60	7 5					33.2	34.9	37.7	40.2	40.2	40.7	38.1	40.7	39.3	30.9			
-166		7 20					36.3	39.2	42.0	42.0	42.1	42.1	39.5	41.8	39.8	31.3			
-170		7 44					30.7	30.4	31.8	34.2	36.7	38.4	34.8	35.8	34.6	34.9			
-171		7 47					23.8	26.2	31.2	32.4	35.3	38.4	38.6	36.0	37.5	35.8			
-175		13 12	4.3	5.0	5.0	4.9	7.1	10.2	13.8	20.5	26.6	30.2	31.8	25.6	23.8	19.0			
-176		13 22	3.0	4.5	4.0	3.5	9.8	14.3	20.0	25.7	29.0	29.9	26.4	24.4	21.1	29.6			
-177		13 24	2.8	4.6	3.9	3.8	6.4	10.2	14.9	21.3	26.7	30.4	33.0	24.5	21.2	18.8			
-178		13 28	4.3	5.0	4.2	4.6	7.0	10.0	14.0	21.3	28.6	33.0	35.8	26.5	24.0	19.9			
-179		13 34	5.5	6.7	6.5	7.0	8.6	11.8	15.3	21.3	29.5	34.8	36.3	30.7	30.1	25.9			
AA-104-167		7 27	-6.8	-7.2	-7.8	-4.7	-2.8	3.4	3.7	4.4	6.5	16.3	17.1	3.8	.6	-4.9			
-168		7 30	-5.4	-6.8	-8.4	-5.9	-1.1	2.8	7.6	8.2	11.3	17.7	20.6	8.6	4.6	-2.4			
-169		7 33	-4.5	-5.6	-7.0	-4.5	-1.3	3.1	8.7	8.7	10.9	18.6	22.3	10.3	4.9	-1.7			
-172		8 4	-5.9	-7.3	-6.5	-5.3	1.8	6.7	6.3	9.6	16.0	17.2	17.8	7.6	1.4	-3			
-173		8 23	-8.2	-9.4	-8.3	-4.8	2.8	6.3	7.9	6.2	8.5	12.5	12.1	1.3	-7.4	-8.0			
-181		14 2	10.1	11.0	14.1	15.2	16.7	21.9	25.2	31.5	36.2	31.0	29.3	24.9	27.7	39.3			
-182		14 4	8.5	8.9	11.9	13.1	13.7	17.7	21.8	29.6	34.6	29.9	28.2	23.6	31.3	31.3			
-183		14 6	8.0	9.9	11.0	12.3	15.8	17.7	19.7	22.4	28.6	34.8	29.1	27.2	22.2	30.4			
-185		14 8	12.6	13.2	14.4	16.0	16.0	24.5	30.2			30.2	28.4	22.9	30.4	30.4			
-186		14 13	10.2	14.0	10.2	14.0	20.6	21.8	25.8	30.4	34.7	29.1	27.9	23.5	31.3	31.3			
-187		14 14	4.7	7.0	7.5	9.7	12.9	13.3	18.1	21.5	26.4	30.9	26.6	26.0	34.4	34.4			
AA-103-188	19 SEP 60	7 1	-1.4	-2.2	-4.0	-3.4	-1.7	1.7	6.5	11.0	16.7	23.2	25.7	17.7	17.2	14.0			
-189		7 3	-1.6	-2.6	-1.7	.0	2.8	11.0	16.4	17.7	22.2	26.2	18.7	17.7	14.9	32.7			
-192		7 21	-3.2	-2.6	-1.9	-2.6	-1.6	3.7	10.4	13.8	22.3	29.2	29.3	20.7	17.1	14.7			
-206		8 14	.3	-1.3	-1.2	-1.0	.6	5.0	10.0	16.1	23.1	26.8	27.6	20.6	19.2	18.5			
-207		12 53	3.8	3.5	2.8	3.7	6.5	7.1	10.7	15.1	21.2	26.1	27.8	24.0	25.5	23.0			
-208		12 55	1.4	1.8	1.2	2.3	5.5	6.6	8.7	13.8	20.5	24.6	26.8	23.2	24.3	21.6			
-209		12 57	3.5	2.7	1.7	2.6	3.1	5.6	8.7	12.9	17.2	22.6	25.9	23.5	24.2	21.0			
-210		12 59	2.2	3.0	2.8	2.9	3.9	6.2	8.8	10.4	14.9	21.1	24.7	22.4	23.4	19.9			



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE E63

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			80	100	125	160	200	250	315	400	500	630	800	1000					
AA-108-146	16 SEP 80	7 28	-2.1	1.7	1.7	1.6	6.3	4.5	2.2									6.0	2.2
-148		7 40	.9	-2.7	-2.0	2.7	2.4	3.5	.0									7.9	2.4
-150		7 53	-2.0	-1.4	-3.7	-2.9	1.2	1.5	-2.0									5.5	.1
-152		8 6	5.0	.9	-3.9	-4.6	.3	1.8	-3.2	-2.9								5.1	-6
-154		8 21	1.5	.4	1.6	.9	-1.5	-2.8	-5.9	-7.1								4.6	-1.4
AA-103-164	17 SEP 80	7 5	37.1	35.6	33.9	32.0	29.2	24.6										36.4	34.1
-166		7 20	38.2	36.7	35.4	33.6	31.0	26.3										38.4	35.5
-170		7 44	32.4	31.2	29.7	27.2	24.9	21.4										32.5	29.7
-171		7 47	33.4	32.1	30.4	28.0	25.1	21.4										32.5	30.2
-175		13 12	14.7	12.1	10.1	9.0	8.4	7.8	9.9									16.1	13.8
-176		13 22	17.0	13.2	10.5	8.4	8.0	7.3	9.1									15.7	13.7
-177		13 24	14.9	11.6	10.6	10.8	9.4	7.5										15.6	14.0
-178		13 28	14.9	11.5	11.3	11.6	10.5	8.0	10.1									15.9	14.2
-179		13 34	20.1	16.8	14.1	13.1	11.8	10.3										18.2	17.6
AA-104-167		7 27	-7.8	-3.6	-2.8	-3.1	-3.8	-5.6	-4.6	-3.9								3.5	-1.2
-168		7 30	-4.3	-1.3	.1	-1.6	-2.1	-1.8	-1.7	-2.4								5.9	1.4
-169		7 33	-2.9	-.5	1.5	1.2	-.9	.3	.0	-2.3								6.8	2.7
-172		8 4	-.7	-.4	-.7	-1.8	-2.7	-1.1										5.9	2.3
-173		8 23	-6.4	-4.2	-6.4	-8.5	-7.6											1.6	-2.7
-181		14 2	21.3	19.1	17.4	17.6	16.8	14.6										23.5	21.1
-182		14 4	19.5	17.6	15.1	15.3	14.6	12.1										20.7	18.9
-183		14 6	18.5	16.1	14.4	14.9	14.5	11.8										21.9	18.7
-185		14 8	20.0	17.9	15.9	16.1	15.5	13.2										23.1	19.7
-186		14 13	20.2	18.0	15.8	16.4	16.2	13.9										23.9	19.6
-187		14 14	18.2	14.9	12.2	12.2	11.7	9.8										19.4	15.5
AA-103-188	19 SEP 80	7 1	9.2	6.3	3.3	3.3	4.6	3.1	3.4	4.6								8.6	7.7
-189		7 3	9.7	5.9	2.3	1.3	2.4	1.6	.1	1.1								9.2	6.1
-192		7 21	7.3	4.6	.8	-1.3	-1.5	.5	.0	-2.1								8.5	4.3
-206		8 14	8.1	4.5	1.9	-1.2	-4.4	-5.1	.1	-1.7	-7.1							7.7	2.1
-207		12 53	19.4	16.7	13.6	13.3	9.1	6.6										15.0	15.8
-208		12 55	17.8	15.1	12.0	10.8	8.7	5.6										13.5	13.8
-209		12 57	16.7	14.1	11.2	8.7	6.3	3.8	5.8									12.7	12.6
-210		12 59	16.5	13.7	10.4	8.7	6.5	3.6	6.7									12.2	12.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 1757 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE D64

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-190	19 SEP 80	7 12	12.5	11.2	11.6	13.7	15.1	22.3	30.0	41.1	49.6	39.2	35.1	30.7	28.7	39.2	35.1	30.7	28.7
-191		7 14	11.4	10.5	11.3	14.9	16.4	22.0	30.2	41.8	41.9	37.1	32.6	31.8	41.9	37.1	32.6	31.8	
-195		7 39	9.7	10.5	10.2	12.6	16.4	25.3	33.3	43.9	39.7	34.0	29.5	29.6	39.7	34.0	29.5	29.6	
-196		7 39	8.5	7.6	7.1	9.6	12.1	20.6	26.4	31.9	45.5	45.0	33.0	26.9	45.5	45.0	33.0	26.9	
-197		7 42	7.7	9.1	8.2	10.2	13.2	21.2	27.1	35.2	47.6	43.2	32.5	22.1	47.6	43.2	32.5	22.1	
-198		7 44	7.5	8.8	8.2	9.6	12.3	20.1	28.5	36.7	37.4	31.9	22.2	30.0	37.4	31.9	22.2	30.0	
-199		7 46	8.0	6.8	5.2	7.2	10.1	18.0	25.4	34.6	45.7	43.9	34.5	24.9	45.7	43.9	34.5	24.9	
-211		13 16	8.2	7.9	6.7	8.8	11.6	10.5	14.0	18.8	28.4	28.6	24.4	29.1	28.4	28.6	24.4	29.1	
-212		13 21	7.9	6.1	6.4	7.3	10.5	11.4	17.5	27.9	29.5	28.2	23.9	19.2	29.5	28.2	23.9	19.2	
-213		13 35	9.6	7.8	7.4	9.2	13.9	15.1	18.1	25.2	38.3	37.4	32.1	27.5	38.3	37.4	32.1	27.5	
AA-103-214	23 SEP 80	7 8	-1.0	-1.7	-1.7	1.3	6.1	11.2	14.9	21.2	25.8	25.5	21.2	18.5	25.8	25.5	21.2	18.5	
-215		7 10	.2	-2.4	-2.4	.8	5.0	10.7	17.9	23.4	24.6	25.9	19.6	16.1	24.6	25.9	19.6	16.1	
-216		7 12	-4.0	-3.5	-4.9	-4.1	-1.4	2.9	8.0	15.2	17.9	19.8	20.8	14.8	17.9	19.8	20.8	14.8	
-220		7 33	-2.7	-2	-1.1	3.8	7.4	13.4	19.5	24.1	26.9	27.9	23.9	22.0	26.9	27.9	23.9	22.0	
-221		7 35	-1.2	-4	-1.5	1.9	6.8	12.6	20.0	24.1	26.9	26.8	20.9	19.5	26.9	26.8	20.9	19.5	
AA-104-217		7 21	6.2	6.6	5.0	7.5	10.4	13.0	17.8	24.0	31.2	39.2	36.2	27.3	31.2	39.2	36.2	27.3	
-218		7 23	8.6	7.0	8.5	10.2	12.4	18.0	24.7	32.7	42.4	38.7	29.5	27.0	42.4	38.7	29.5	27.0	
-219		7 24	7.4	5.7	7.9	9.4	12.1	18.1	24.5	30.9	40.9	38.3	29.4	26.8	40.9	38.3	29.4	26.8	
-222		7 41	7.5	6.8	9.0	11.1	12.5	18.8	24.3	32.3	39.8	35.4	30.9	27.5	39.8	35.4	30.9	27.5	
-223		7 43	6.4	6.2	8.6	11.6	14.3	21.1	25.8	33.8	39.9	35.9	30.5	26.7	39.9	35.9	30.5	26.7	
-224		7 46	6.8	6.8	9.2	12.1	14.3	21.0	27.8	34.4	40.0	37.5	29.2	23.9	40.0	37.5	29.2	23.9	
AA-103-235	24 SEP 80	6 59	-5.1	-4.4	-4.7	-2.3	2.8	9.8	15.2	14.4	16.3	19.5	18.3	7.8	16.3	19.5	18.3	7.8	
-236		7 1	-4.8	-4.4	-4.5	-1.9	4.4	13.1	11.1	10.9	14.2	17.4	18.0	12.5	14.2	17.4	18.0	12.5	
-237		7 3	-5.0	-4.2	-4.3	1.6	3.9	10.9	14.2	13.5	18.2	21.8	16.2	11.4	18.2	21.8	16.2	11.4	
-238		7 4	-5.2	-5.1	-5.8	-3.6	1.8	7.3	16.0	14.0	14.9	18.7	17.9	6.8	14.9	18.7	17.9	6.8	
-257		15 0	3.7	3.4	4.7	7.2	11.1	15.6	19.3	27.6	33.9	33.5	29.1	29.7	33.9	33.5	29.1	29.7	
-258		15 1	3.3	5.6	4.8	6.7	9.1	14.0	16.6	21.0	26.9	29.8	29.6	29.8	26.9	29.8	29.6	29.8	
-259		15 3	1.2	1.7	1.6	3.1	5.2	7.8	13.2	19.8	26.7	31.4	32.8	27.6	26.7	31.4	32.8	27.6	
-260		15 4	2.2	3.8	3.3	4.1	5.9	7.9	12.6	18.4	25.7	31.0	32.3	27.6	25.7	31.0	32.3	27.6	
-261		15 6	4.3	6.0	5.7	7.8	11.1	14.2	17.7	22.7	30.4	34.0	34.2	30.4	30.4	34.0	34.2	30.4	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R \* ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-001  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE E64

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-190	19 SEP 80	7 12	28.0	25.6	23.8	24.7	23.8	21.5								24.5	27.8
-191		7 14	29.5	27.5	25.4	25.9	25.2	22.8								25.1	29.2
-195		7 33	23.1	21.2	19.7	23.2	23.2	24.3								24.8	25.7
-196		7 39	18.9	13.4	16.4	14.1	18.3	16.5								20.6	19.6
-197		7 42	11.8	5.5	5.8	14.2	21.2	13.9								18.5	13.3
-198		7 44	14.2	9.9	11.0	8.8	17.7	13.6								19.1	14.7
-199		7 46	6.0	6.6	5.9	9.0	5.8	8.2								15.9	10.7
-211		13 16	20.3	17.2	14.4	14.3	13.3	10.9								18.3	18.1
-212		13 21	20.1	16.5	13.1	12.6	11.9	9.4								19.5	17.4
-213		13 35	22.3	18.7	16.3	16.3	16.3	14.4								21.6	20.9
AA-103-214	23 SEP 80	7 8	10.3	7.6	5.9	3.7	3.4	1.5	1.8	2.2						9.7	7.3
-215		7 10	5.7	2.9	1.9	.0	1.9	-.1	.4	.8						7.9	4.7
-216		7 12	3.5	2.3	.3	-2.3	-1.0	-4.5	-5.1	-5.3						4.8	1.0
-220		7 33	13.8	10.7	10.0	6.0	6.4	3.6	3.6							12.1	10.0
-221		7 35	11.1	8.7	7.2	3.6	3.7	1.2	2.9							10.5	7.9
AA-104-217		7 21	17.8	15.3	13.0	13.7	11.9	8.0								18.5	16.1
-218		7 23	20.7	18.4	15.8	16.3	14.6	11.2								19.5	19.0
-219		7 24	20.3	17.6	14.8	14.9	13.4	10.4								19.0	18.0
-222		7 41	21.6	19.5	17.7	17.7	15.8	12.5								19.9	19.8
-223		7 43	20.5	17.8	15.8	16.1	14.5	11.2								20.3	18.3
-224		7 46	21.7	19.4	17.9	18.9	17.2	14.1								21.2	20.7
AA-103-235	24 SEP 80	6 59	-1.6	-3.2	-4.7	-2.9	-6.4	-9.4	-8.6	-12.6	-23.6					-2.6	-9.6
-236		7 1	3.6	-.1	-2.3	-2.6	-5.0	-8.2	-8.0	-10.9						4.9	-1.4
-237		7 3	4.1	1.9	.5	1.4	-1.0	-4.6	-3.0	-6.3						7.5	2.2
-238		7 4	2.8	1.1	.8	.3	-5.4	-8.3	-7.0	-10.5						4.5	-1.1
-257		15 0	23.1	21.0	17.8	14.7	12.0	9.3								18.1	19.3
-258		15 1	23.7	21.7	18.5	15.7	12.8	9.7								19.7	19.9
-259		15 3	21.8	19.7	16.6	13.4	10.4	8.1								16.1	18.0
-260		15 4	19.9	17.5	14.7	12.0	9.3	6.3								16.0	15.9
-261		15 6	25.0	23.0	20.7	18.2	15.2	11.4								20.8	21.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-001

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE 065

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)		
			25	31	40	50	63	80	100	125	160	200	250	315	400	500					
AA-104-239	24 SEP 80	7 12	9.2	7.3	8.9	11.9	15.1	24.3	32.2	41.9									32.0	30.1	28.7
-240		7 13	8.9	6.3	8.2	11.9	15.0	23.4	31.3	41.3									32.3	29.8	29.1
-241		7 15	8.0	5.9	7.6	11.2	15.3	24.2	32.5	41.9									34.8	31.8	29.6
-242		7 16	8.5	7.0	8.4	11.7	15.2	26.3	33.8	42.8									33.5	30.4	29.2
-249		7 39	8.2	5.8	7.9	10.7	13.0	20.8	27.8	36.2	45.2	40.8	42.9	46.6	42.9				32.0	28.7	26.8
-250		7 40	7.1	5.8	3.3	5.0	8.3	12.0	20.4	29.7	40.5	45.3	39.0	30.6	27.8	25.3			32.2	27.8	25.3
-251		7 42	6.0	6.0	4.1	6.4	10.6	14.1	24.1	28.6	36.9								31.1	28.1	25.7
-252		7 43	6.5	6.0	5.6	7.6	10.1	14.0	22.1	27.6									31.6	28.2	25.7
-254		7 46	8.1	6.6	8.4	12.0	15.0												28.0	27.0	32.6
-255		7 48	7.6	4.9	7.0	10.2	13.6												27.5	25.8	39.4
-256		7 49	6.9	8.1	6.5	10.0	12.0	14.0											27.6	26.4	35.3
-262		15 17	5.9	7.1	5.8	7.5	9.8	12.9	17.8	22.6	30.3	34.3	31.4	21.8	19.4	17.1			16.5	13.3	10.6
-263		15 18	4.0	4.7	3.7	5.8	8.4	9.9	13.8	17.1	26.0	32.1	28.7	19.0	18.8	18.1			16.0	8.3	5.0
-264		15 24	5.6	5.2	3.4	4.3	5.3	8.7	10.6	16.8	22.5	31.3	28.7	19.0	18.8	18.1			16.0	8.3	5.0
-265		15 26	2.2	1.6	-2.5	1.6	4.6	9.4	13.4	23.0	31.2	29.2	16.0	8.3	5.0				17.9	14.9	11.2
-266		15 28	1.5	-1.7	-1.7	-0.8	3.7	8.5	13.9	21.0	32.3	31.2	17.9	14.9	11.2				23.3	20.6	31.3
AA-103-267	25 SEP 80	7 10	-1.5	-2.3	-2.9	-2.1	.4	3.8	10.0	18.6	28.0	33.2	33.5	25.4	23.3	20.6			29.6	28.1	25.6
-268		7 14	.2	-2.2	-1.5	-1.1	2.2	5.8	10.2	17.4	30.5	38.1	35.0	29.6	28.1	25.6			30.7	30.7	30.3
-269		7 17	1.5	1.6	.8	1.4	4.2	9.9	13.2	20.5	31.4	36.6	40.1	33.4	33.7	30.3			33.7	33.5	31.3
-270		7 19	2.8	2.8	1.4	2.2	6.5	14.7	20.5	31.4	36.6	40.1	33.4	33.7	30.3				33.7	33.5	31.3
-271		7 22	2.7	2.8	2.8	3.0	6.0	11.5	15.0	20.9	29.1	39.6	40.2	33.7	33.5	31.3			33.7	34.3	30.4
-277		7 50	3.6	2.1	2.4	2.8	3.9	7.8	12.6	19.5	30.7	39.9	40.5	33.7	34.3	30.4			33.7	34.3	30.4
-278		7 51	4.4	5.0	5.1	5.2	8.8	12.7	17.6	24.5	34.8	42.5	41.8	33.8	34.2	31.3			33.8	34.2	31.3
AA-104-272		7 30	-1.7	-2.5	-3.8	-1.8	.8	4.0	12.1	20.7	31.5	39.3	33.4	21.7	17.3	16.6			25.4	23.5	21.2
-273		7 32	-1.1	-2.1	-3.8	-2.1	.0	3.2	10.8	19.3	24.3	27.4	25.1	15.8	14.1	13.5			25.4	23.5	21.2
-274		7 34	-1.2	-1.9	-2.8	-0.8	1.1	4.9	12.3	21.8	28.3	29.9	25.7	16.1	12.6	7.8			26.1	25.2	24.5
-275		7 36	-1.8	-1.8	-2.7	-3.3	1.8	12.5	19.2	29.2	36.1	32.2	19.1	11.2	5.8				27.3	25.4	24.3
-276		7 38	-1.3	-1.9	-2.9	-0.8	1.4	4.3	10.3	16.2	25.6	34.8	32.5	22.3	20.0	15.5			22.3	20.0	15.5
-279		8 0	-1.4	-1.4	-1.4	1.4	3.6	6.2	12.3	20.6									27.1	23.2	21.8
-280		8 2	.5	.6	1.2	1.9	4.9	8.0	14.5	21.3	32.0	38.0	33.4	26.5	23.5	21.2			26.5	23.5	21.2
AA-103-281	30 SEP 80	14 15	5.2	5.6	6.0	7.1	10.1	12.6	17.0	22.6	26.7	31.6	31.4	27.0	26.2	24.9			27.0	26.2	24.9
-282		14 17		9.9	10.1	12.0	17.8	21.2	24.5	28.6	31.4	30.6	25.3	24.3	23.5				25.3	24.3	23.5
-283		14 19		4.5	4.6	6.7	9.0	12.7	17.1	20.8	26.4	29.7	30.7	26.1	25.2	24.5			26.1	25.2	24.5
-284		14 21	4.3	4.9	4.1	5.1	8.0	11.6	16.6	20.9	26.1	30.0	31.5	27.3	25.4	24.3			27.3	25.4	24.3
-285		14 22	4.9	6.2	6.9	11.1	13.7	18.2	23.1	25.2	28.1	32.0	33.5	29.4	28.0	25.7			29.4	28.0	25.7
-291		14 44		9.8	13.3	17.0	19.8	24.1	26.3	29.7	32.2	28.8	27.2	26.1	26.3				32.2	28.8	27.2
-292		14 47		5.9	5.7	8.1	11.8	15.9	20.5	24.1	27.5	28.9	30.7	25.9	24.1	22.9			30.7	25.9	24.1
-293		14 48		5.3	6.0	5.8	9.8	13.6	19.5	24.9	28.4	31.7	31.5	26.5	25.0	23.6			31.5	26.5	25.0
-294		14 50		3.8	3.8	3.2	4.7	8.1	10.6	15.6	21.0	25.8	30.0	31.5	27.1	25.8	24.2		27.1	25.8	24.2
-295		14 53		4.9	5.9	9.1	11.6	15.9	19.0	22.9	29.5	33.6	33.1	28.8	26.7	24.8			28.8	26.7	24.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:

DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE E65

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12	28.6	26.3	24.4	24.7	23.7	20.3								21.6	26.8
-240		7 13	28.0	25.9	24.0	24.8	23.8									21.2	28.1
-241		7 15	27.8	26.0	24.1	24.6	23.7	20.6								21.1	26.7
-242		7 16	27.9	26.0	23.6	24.1	22.9	19.4								21.7	26.1
-249		7 39	25.3	23.3	21.8	22.2	21.5	19.4								19.9	24.5
-250		7 40	23.3	20.7	18.6	19.8	19.9	18.1								18.1	22.6
-251		7 42	23.8	21.7	19.8	20.6	19.9	17.4								19.6	23.1
-252		7 43	23.7	21.7	20.1	19.9	18.8	16.1								19.9	22.3
-254		7 46	25.4	23.5	21.2	21.7	20.4									21.7	25.2
-255		7 48	24.0	22.4	20.6	21.3	19.4									20.3	24.5
-256		7 49	22.8	20.6	19.3	19.4										21.8	25.0
-262		15 17	14.3	11.9	9.7	9.9	8.9	6.5								17.1	13.2
-263		15 18	9.0	6.6	5.5	6.1	4.6	1.0								13.5	8.5
-264		15 24	15.8	14.3	11.9	10.8	8.6	5.5								12.1	12.3
-265		15 26	1.2	-1.5	-4.4	-4.1	-3.5	-4.3								7.5	1.2
-266		15 28	8.1	4.5	1.3	1.5	-3.3	-3.4								8.4	3.7
AA-103-267	25 SEP 80	7 10	16.5	13.1	9.7	8.6	11.3	5.3	5.5							11.6	13.2
-268		7 14	20.9	18.4	14.8	11.7	8.9	8.9								13.5	16.8
-269		7 17	23.7	19.4	17.0	13.2	9.1	7.1	7.3							15.4	16.2
-270		7 19	26.1	21.6	15.1	10.1	7.3	2.9	6.0							15.5	13.5
-271		7 22	27.0	23.9	20.6	17.9	14.2	9.9								17.6	20.9
-277		7 50	26.7	23.7	20.0	16.9	14.7	12.3								16.1	21.9
-278		7 51	28.2	25.5	21.6	18.9	17.3	15.1								20.2	24.3
AA-104-272		7 30	16.9	14.4	6.1	3.5	6.2	7.8								10.2	9.6
-273		7 32	11.9	9.4	7.9	8.3	4.7	2.2	2.0							9.4	9.0
-274		7 34	5.9	5.2	3.7	5.1	4.2	.0	.1							9.9	6.4
-275		7 36	2.5	-1.2	-3.5	-1.9	-3.7	-6.4	-2.9							6.9	-1.1
-276		7 38	10.9	8.6	3.8	1.1	-4	-1.6								9.3	5.1
-279		8 0	20.0	17.2	16.0	16.5	14.6									13.3	19.1
-280		8 2	20.1	19.4	17.8	17.8	16.4	12.7								14.7	19.3
AA-103-281	30 SEP 80	14 15	22.4	19.4	16.1	14.1	11.0	7.2								19.4	17.7
-282		14 17	21.1	18.6	15.5	13.6	10.8	7.1								20.8	17.2
-283		14 19	22.0	19.2	16.2	14.4	11.5	7.7								18.5	17.0
-284		14 21	21.1	17.9	13.9	10.9	8.0	4.3								17.3	15.0
-285		14 22	23.1	20.1	16.8	14.3	11.3	7.8								21.1	18.1
-291		14 44	23.2	20.6	17.6	15.6	12.7	7.8								22.6	18.6
-292		14 47	21.6	18.9	15.8	14.5	11.9	8.2								19.1	17.0
-293		14 48	21.0	17.8	14.8	12.6	9.6	6.2								19.5	16.6
-294		14 50	21.1	16.7	12.9	11.1	7.7	4.4								17.2	14.9
-295		14 53	22.7	19.5	16.5	14.3	11.0									21.1	19.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (L/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE D66

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			60	63	80	100	125	160	200	250	315	400	500							
AA-104-286	30 SEP 80	14 30	5.3	5.1	8.2	13.0	15.7	19.8	21.5	24.4	28.3	25.4	15.8	9.7	8.3	31.3				
-287		14 31	1.3	1.5	1.0	3.9	7.8	10.2	15.3	21.2	26.4	30.8	27.2	16.0	10.9	10.1				
-288		14 33	3.4	4.7	4.1	5.2	9.5	11.8	18.7	24.1	28.2	33.8	29.4	19.0	14.7	14.8				
-289		14 34	3.9	3.9	5.8	8.0	12.1	18.7	22.2	27.2	31.7	27.9	16.6	11.7	11.9	30.4				
-290		14 37	3.8	4.5	3.8	5.6	9.3	11.3	16.8	22.8	30.9	35.1	31.2	19.5	14.8	14.8				
-296		15 13	4.1	5.1	4.4	5.8	9.1	10.9	17.1	22.6	27.6	32.1	27.9	16.4	11.6	11.0				
-297		15 25	4.3	4.0	2.2	3.3	6.6	8.7	15.2	21.5	30.1	35.0	29.5	17.3	12.7	11.9				
AA-103-299	01 OCT 80	7 0	1.5	1.2	.9	6.6	15.6	19.4	18.8	24.5	27.9	24.4	16.8	16.6	11.9	31.3				
-300		7 2	1.6	1.0	.2	6.3	15.4	18.7	18.8	25.4	27.7	25.7	22.4	17.4	11.1	32.6				
-301		7 3	1.3	.8	.0	6.2	15.1	18.3	19.1	26.0	28.0	22.1	13.7	17.6	8.0	32.6				
-302		7 5	1.6	.9	.2	6.0	15.0	17.9	19.9	27.7	30.5	24.3	15.5	16.3	9.0	30.4				
-303		7 7	2.2	1.7	.7	6.4	14.9	18.9	20.3	27.4	31.5	24.4	13.9	14.0	5.2	32.6				
-309		7 32	2.8	2.9	3.4	7.4	14.0	19.0	25.1	34.7	41.8	43.1	33.3	32.0	23.7	32.6				
-310		7 33	2.5	2.9	1.8	3.2	7.1	13.8	20.0	26.8	40.7	44.9	42.1	32.8	26.4	20.4				
-311		7 35	3.4	3.5	2.0	3.3	7.3	13.7	19.2	24.6	38.0	45.9	43.0	31.7	28.1	25.4				
-312		7 36	3.6	3.5	2.3	3.2	7.6	12.6	18.5	24.3	36.1	43.4	36.4	32.0	25.3	31.8				
-313		7 38	3.0	3.5	2.7	3.5	7.2	12.6	18.3	23.6	34.7	41.8	43.1	33.3	32.0	23.7				
-319		7 59	3.6	8.1	8.3	7.8	9.6	13.5	19.8	25.2	37.6	45.0		31.5	25.4	35.4				
-320		8 0	3.9	8.5	9.1	8.2	10.5	14.2	20.6	25.0	39.1		29.9	25.0	18.3	33.1				
-321		8 1	3.5	8.2	10.1	11.0	11.8	15.4	21.3	25.5	38.4		32.7	28.7	20.3	32.2				
-322		8 3	4.2	8.2	9.7	11.7	13.8	16.5	21.1	26.9	39.1	41.1	35.8	34.8	33.7	28.5				
-323		8 8	3.6	6.2	7.7	11.8	15.4	18.6	22.8	27.0	37.6	44.1		35.4	34.4	30.3				
AA-104-304		7 17	-7.3	-6.8	-4.3	-3.5	1.9	4.9	8.0	7.6	9.5	12.3	.7	-8.8	-7.7	-4.2				
-305		7 19	-7.9	-7.8	-5.3	-2.9	2.0	8.5	11.8	15.0	15.7	16.6	5.7	-5.0	-4.6	-3.4				
-306		7 21	-8.8	-8.9	-7.0	-3.0	2.4	7.1	11.1	9.0	10.1	11.6	3.7	-4.3	-7.6	-5.1				
-307		7 22	-8.5	-9.0	-6.9	-1.9	3.6	8.9	7.2	7.5	14.7	13.1	4.1	-4.1	-7.9	-5.2				
-308		7 24	-8.5	-8.3	-6.4	-1.6	3.0	8.4	10.5	11.3	13.2	14.6	8.3	-2.1	-4.4	-2.6				
-314		7 44	-7.2	-6.3	-2.8	1.7	.6	2.8	5.8	6.3	9.5	11.4	1.9	-5.5	-5.4	-7.0				
-315		7 46	-7.0	-5.2	-1.1	1.7	1.1	7.8	3.3	3.8	9.7	10.7	-1.6	-6.7	-8.9	-8.5				
-316		7 47	-7.0	-5.0	-1.0	-2.6	1.2	8.7	2.2	2.5	8.8	12.1	.4	-9.6	-10.0	-9.6				
-317		7 49	-7.5	-5.6	-2.7	-5.2	-1.5	9.0	4.1	3.6	7.9	13.7	2.1	-6.9	-6.5	-5.0				
-318		7 50	-8.7	-7.7	-4.3	-4.4	-1.2	5.4	8.7	6.1	6.6	12.9	3.0	-4.1	-8.1	-7.6				
-324		8 15	-6.4	-3.4	3.1	1.7	.5	3.2	8.9	9.1	16.2	14.5	5.5	-3.3	-4.9	-6.3				
-325		8 17	-5.3	-1.8	-2.3	-3.7	3.4	7.6	5.0	8.6	15.4	17.9	10.9	1.0	-2.2	-6.3				
-326		8 18	-5.7	-2.1	.9	-2.6	1.7	10.7	6.0	8.8	14.3	12.3	5.0	-3.4	-5.9	-7.3				
-327		8 20	-7.3	-4.7	.5	-.8	-.8	1.9	3.7	4.0	9.5	12.0	3.0	-5.9	-7.3	-6.8				
-328		8 22	-7.2	-5.7	-2.0	6.3	1.8	.7	4.0	6.0	12.9	17.0	7.1	-3.3	-6.3	-4.9				
-329		8 24	-7.8	-6.5	-3.1	3.7	1.4	2.9	8.6	8.8	10.0	14.5	6.6	-3.6	-6.2	-6.0				

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE E66

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OSPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
AA-104-286	30 SEP 80	14 30	6.9	5.0	3.3	4.2	3.5	1.4										14.9	7.5
-287		14 31	7.7	5.7	4.3	4.2	2.3	-6										13.9	7.5
-288		14 33	12.8	10.5	8.2	8.3	7.3	4.6										16.6	12.0
-289		14 34	10.3	8.1	6.7	6.9	5.7	3.2										15.3	10.0
-290		14 37	12.3	9.6	7.4	6.9	5.7	3.5										16.4	11.3
-296		15 13	9.1	7.4	5.9	6.3	5.3	2.7										14.6	9.0
-297		15 25	9.8	8.2	6.3	6.8	5.6	3.8										14.5	10.2
AA-103-299	01 OCT 80	7 0	8.9	11.3	5.3	9.0	13.0	8.7	8.4									14.5	12.0
-300		7 2	7.0	6.4	-2.5	-2.8	1.5	1.1	-2.4	-1.4	-12.2							6.0	-9
-301		7 3	2.0	5.4	-2.1	3.2	7.8	3.2	5.6	2.1								10.6	5.8
-302		7 5	7	6.5	4.0	4.3	5.5	5.7	7.3									11.3	7.4
-303		7 7	2.6	2.2	-4.3	1.8	3.8	2.8	4.3									9.4	4.7
-309		7 32	17.5	13.0	9.2	7.9	12.9	14.2										17.3	15.9
-310		7 33	17.0	12.2	9.5	7.3	7.4	14.3										16.8	14.7
-311		7 35	19.5	13.0	6.0	7.9	8.7	15.8										17.2	15.1
-312		7 36	19.9	16.6	11.9	8.6	6.8	8.8										17.8	17.9
-313		7 38	16.8	15.5	13.6	10.6	11.7	14.7										17.9	13.5
-319		7 59	18.2	13.8	6.8	4.6	7.3	11.0										13.3	7.1
-320		8 0	13.6	6.9	3.9	.1	1.4	5.6	4.7	.8								15.0	8.8
-321		8 1	15.7	14.8	6.8	.3	-1.1	6.2										18.9	13.2
-322		8 3	23.1	18.5	11.8	8.0	2.8	5.9										20.4	15.2
-323		8 8	24.7	19.2	16.5	11.5	6.3	8.3	7.7										
AA-104-304		7 17	-2.9	-3.7	-5.2	-5.7	-8.9	-7.4	-9.5	-10.5								.0	-5.8
-305		7 19	-3.9	-3.0	-4.3	-5.6	-7.7	-5.7	-7.4	-8.8								2.1	-4.2
-306		7 21	-5.9	-5.6	-4.2	-9.5	-9.6	-10.2	-9.6	-11.4								-1	-6.8
-307		7 22	-3.5	-4.8	-2.8	-8.0	-9.3	-8.3	-9.5	-10.4								.5	-5.9
-308		7 24	-1.9	-2.3	.0	-5.3	-6.3	-7.4	-8.4	-8.8								2.6	-3.8
-314		7 44	-7.1	-3.9	-6.1	-5.3	-7.0	-9.2	-10.3	-13.3	-19.6							-1.4	-8.4
-315		7 46	-6.4	-5.2	-6.8	-5.9	-8.7	-10.1	-10.1	-13.0								-1.7	-7.4
-316		7 47	-8.8	-9.2	-8.2	-5.4	-9.0	-11.2	-12.8	-15.2								-2.2	-8.8
-317		7 49	-6.2	-7.3	-7.4	-5.3	-9.1	-11.7	-13.0	-12.8								-1.2	-7.5
-318		7 50	-8.0	-7.6	-5.1	-4.5	-9.9	-10.8	-12.6	-11.7								-1.0	-7.3
-324		8 15	-7.8	-11.7	-10.7	-8.5	-10.8	-12.0	-14.3	-12.0								-1.5	-8.9
-325		8 17	-8.4	-10.1	-9.0	-10.5	-10.8	-10.7	-11.5	-11.6	-17.8							-1.7	-9.5
-326		8 18	-7.8	-8.8	-10.0	-10.6	-11.0	-11.9	-12.8	-12.9	-19.4							-2.3	-10.3
-327		8 20	-6.9	-6.9	-8.5	-7.6	-9.0	-12.8	-13.8	-12.4								-1.1	-7.9
-328		8 22	-5.8	-6.5	-7.9	-7.5	-7.3	-9.6	-12.4	-9.8								.2	-6.6
-329		8 24	-7.4	-7.8	-8.5	-9.0	-8.6	-12.7	-13.7	-11.0								-1.5	-7.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE D67

TEST NO.	DATE	START TIME (HR-MIN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-330	16 DEC 80	7 29	-3.0	-3.1	-2.8	-1.9	3.4	6.7	12.4	16.6	22.4	27.7	30.3	23.1	21.4	17.3	29.6		
-331		7 31	-2.8	-3.0	-4.4	-3.4	.1	4.3	9.3	15.1	20.1	23.1	26.1	20.1	18.4	11.7	45.3		
-332		7 34	-2	-2	-1.2	.6	2.4	4.7	12.5	21.1	27.2	31.8	33.4	27.1	25.5	20.2	33.2		
-333		7 36	1.6	1.3	.1	1.0	2.9	4.0	8.2	17.3	26.2	30.2	31.9	25.2	23.2	18.1	34.5		
-334		7 39	-1.7	-1.4	-2.8	-1.6	1.3	2.7	7.3	14.4	23.3	27.3	27.4	17.9	17.7	12.7	34.5		
-335		7 41	-1.1	-1.2	-1.2	.2	4.1	6.2	11.7	18.1	23.3	27.2	29.8	22.7	22.2	17.7	33.2		
AA-106-336		7 51			12.1	15.6		18.3						31.7	29.0	25.7	32.2		
-337		7 53			8.4	9.4	10.2	15.5	18.2	19.8	23.2	29.6	33.0	31.4	28.4	22.6	34.5		
-338		7 56			10.0	11.9	11.5		13.4	17.5	21.8	29.2	34.8	32.3	28.4	22.8	37.6		
-339		8 7			11.4	12.6	13.0	16.0	17.2					33.5	31.4	28.6	32.6		
-340		8 9			8.9	8.9	10.6	15.5	19.0	21.5	25.0	29.6	33.9	32.0	29.8	25.8	35.3		
-341		8 11			12.0	14.3	16.9	16.5	16.7	18.5	23.2	31.0		32.5	30.0	26.9	33.5		
AA-106-342	17 DEC 80	8 2	1.5	.9	-1.7	-1.2	1.4	4.3	10.8	18.1	29.3			35.3	33.5	27.7	34.5		
-343		8 6	.1	.0	-1.7	-1.2	1.4	4.3	10.8	18.1	29.3			35.3	33.5	27.7	34.5		
-344		8 10	-1.3	-1.3	-2.2	-1.6	.4	3.2	10.5	18.2	30.7	37.1	38.3	31.5	28.5	24.4	35.4		
-345		8 12	.7	.4	-1.2	-1.7	1.0	4.2	10.2	18.3	30.6	39.4	39.7	30.4	25.6	17.0	44.4		
-346		8 14	1.8	2.1	.3	1.0	5.5	11.2	17.1	29.3				31.8	24.5	15.8	33.6		
AA-106-360		13 42	-1.3	-1.4	-1.7	-1.9	.6	.1	5.5	13.5	25.5			30.3	20.6	15.6	11.7		
-361		13 45	-1.1	-1.1	-2.2	-2.5	-1.0	-1.0	4.6	11.6	22.6	30.1	27.7	18.7	13.5	8.2	33.2		
-362		13 50	-1.6	-2.5	-3.8	-4.2	-1.0	-2	8.7	12.0	19.6	27.2	26.9	18.3	13.1	8.9	34.5		
-363		13 54	-2.3	-4.5	-5.9	-6.1	-2.2	.3	8.9	10.8	18.5	26.5	24.5	15.0	9.7	6.1	29.5		
-364		13 57	-1.1	-3.3	-4.8	-4.9	-1.3	1.4	8.7	9.6	16.1	25.2	24.4	12.3	8.2	4.6	34.5		
-365		14 1	-1.1	-2.0	-3.2	-3.8	-1.7	.2	8.4	13.5	23.1	30.2	28.6	18.4	12.6	8.6	34.5		
-366		14 6	-1.9	-1.5	-2.9	-3.5	-1.8	-1.5	6.4	12.4	22.2	31.7	30.1	20.1	13.4	6.3	33.6		
AA-105-367	08 JAN 81	10 30	-1.9	.2	4.6	8.8	16.6	25.7	32.9	35.0	34.4	29.5	24.1	17.0	14.7	8.4	35.3		
-368		10 31	-2.4	.4	4.3	9.2	16.9	26.1	36.0	37.2	34.4	29.2	21.7	14.3	12.9	8.8	37.5		
-369		10 34	-2	-2	4.5	8.4	16.7	25.7	35.8	37.5	35.9	32.0	25.3	19.6	18.5	13.8	34.4		
-370		10 35	-4	-4	6.5	11.0	19.3	29.8	35.1	37.9	35.6	31.5	25.2	17.8	14.6	7.3	35.3		
-371		10 37	.0	1.2	5.9	11.5	21.4	31.1	36.8	36.7	37.6	32.0	26.1	20.0	18.4	12.9	35.8		
-372		10 39	.0	.0	11.0	19.4			37.1	37.1	37.1	32.5	26.6	19.9	18.9	14.7	33.5		
-373		10 41	2.0	2.0	6.0	11.6	19.7	28.5		37.6	37.6	32.3	27.1	21.7	20.4	17.2	35.8		
-374		10 43			4.5	11.0	20.1		37.3	38.0	33.9	28.1					34.4		
-375		10 45			6.1	12.0	20.3	29.7	35.2	38.1	37.4	32.4	27.1	20.7	19.2	14.6	36.2		
-376		10 46	-1.5									33.1	28.3	22.7	21.5	17.7	36.6		
-377		10 48	.9	2.0	6.4	12.2	19.5	29.3	37.6	39.8	39.1	34.5	28.6	23.4	22.2	19.6	34.4		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE E67

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)		
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000	
AA-105-330	16 DEC 80	7 29	13.2	8.5	6.1	4.3	3.1	1.4									12.1	9.9
-331		7 31	9.4	4.2	2.6	.5	-2.4	-5.0									8.6	4.8
-332		7 34	16.6	10.9	8.3	5.5	2.1	.9									12.6	10.5
-333		7 36	12.8	8.0	5.6	2.7	.4	-2.0									11.2	7.8
-334		7 39	8.2	4.6	2.7	1.7	-2.0	-6.9									7.9	4.1
-335		7 41	13.4	8.8	6.3	4.7	2.0	-1.6									12.0	8.6
AA-106-336		7 51	22.8	19.9	18.6												28.2	26.4
-337		7 53	19.1	15.8	12.0												21.9	20.9
-338		7 56	19.5	16.9													21.9	25.0
-339		8 7	25.3	22.8	20.8	19.8	16.5										25.6	24.0
-340		8 9	22.4	19.6	18.5	17.2	14.2										22.8	21.5
-341		8 11	23.4	20.8	19.7	18.2	15.1										23.3	22.4
AA-105-342	17 DEC 80	8 2															14.1	31.6
-343		8 8	22.3	14.9	4.9	1.7	-.7	-2.4									10.8	7.2
-344		8 10	15.3	7.3	4.2	3.5	-.8	-2.4									10.3	6.9
-345		8 12	7.8	-1.4	-4.0	.8	-.8	-8.1									7.4	1.7
-346		8 14	12.6	2.3	-1.8	.6	-2.2	-7.5									9.0	2.8
AA-106-360		13 42	7.2	3.7	3.1	3.9	3.0	.4									8.8	7.0
-361		13 45	3.3	.0	-.7	.1	-.5	-2.3									7.3	3.6
-362		13 50	6.2	1.8	1.4	1.5	-.6	-1.9									7.9	4.7
-363		13 54	2.3	-.1	-.9	.4	-.3	-2.8									6.4	3.3
-364		13 57	2.1	-1.0	-2.1	-1.8	-4.1	-5.7									6.4	1.3
-365		14 1	6.3	3.5	3.3	4.0	3.4	.3									8.3	6.9
-366		14 6	2.9	.7	2.1	4.0	4.0	1.3									7.7	6.2
AA-105-367	08 JAN 81	10 30	2.5	-2.4	-4.1	-4.0	-3.8	-8.5									4.4	-1.4
-368		10 31	3.3	-.2	-.2	-.8	.8										8.3	3.1
-369		10 34	8.3	4.4	4.0	1.4	2.3										11.6	6.6
-370		10 35	2.6	4.6	3.0	1.9	.9										10.3	5.4
-371		10 37	7.3	5.8	5.0	4.6											13.1	8.9
-372		10 39	10.2	8.4													17.0	15.2
-373		10 41				5.5											17.6	14.8
-374		10 43															22.1	41.3
-375		10 45	8.2	4.5	4.9		-4.4										11.3	5.5
-376		10 46	13.9	10.0													20.9	17.7
-377		10 48	15.3	8.6	8.6	10.7											16.4	13.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE D68

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-105-378	09 JAN 81	0 48	-5.1	-2.2	2.6	11.0	14.5	10.4	13.0	13.5	15.8	1.5	-6.2	-7.5	-9.6	-13.4	35.8			
-379		0 50	-4.6	-1.9	2.8	12.1	13.8	9.4	17.9	16.3	10.6	2.2	-3.4	-5.2	-6.2	-10.1	35.3			
-380		0 51	-4.2	-1.0	3.3	12.9	16.5	11.5	17.1	14.4	7.6	-5	-4.2	-5.7	-13.0	-13.6	35.3			
-381		0 52	-4.4	-2.1	3.0	11.7	16.9	11.8	17.1	19.9	10.2	1.8	-1.1	-3.8	-9.8	-11.6	36.2			
-382		0 57	-3.8	-1.5	2.8	10.9	17.5	10.7	15.6	19.5	19.4	8.5	.2	-4.0	-9.7	-2.1	35.3			
-383		0 58	-4.0	-1.5	2.6	10.6	16.5	11.7	15.3	16.2	15.7	9.1	3.9	3.5	.6	-1.7	36.7			
-384		0 59	-3.8	-1.8	2.2	9.8	15.6	8.8	10.6	12.0	12.0	6.2	.2	-4.4	-6.7	-7.7	39.0			
-385		9 1	-4.2	-1.7	2.2	10.1	18.6	9.8	11.2	12.4	10.8	5.3	.7	-3.7	-6.2	-7.7	35.3			
-386		9 2	-4.7	-1.9	2.1	10.3	19.3	9.9	10.3	10.3	8.2	1.7	-5.3	-10.4	-13.0	-15.0	37.5			
-387		9 3	-4.6	-2.2	1.6	9.8	20.3	12.6	13.9	14.4	13.6	6.9	-1.3	-6.5	-7.3	-9.3	39.3			
-388		14 9															36.8			
-389		14 12		1.4		15.4											36.3			
-390		14 14		.9		14.2											31.4			
AA-106-391		14 38	-2.4	-1.6	3.5												15.4			
-392		14 42	-1.8	-4	6.5				18.0	25.4	24.0	15.6	7.7	4.3	1.8	-2.1	37.6			
-393		14 44	-3.5	-3.3	2.9				17.5	24.1	24.4	17.3	10.8	5.1	1.3	-1.2	41.6			
-394		14 45	-3.2	-2.4	3.7				18.0	23.4	29.0	20.8	15.0	9.4	4.6	.0	37.6			
-395		14 47	-2.7	-1.6	4.3			14.5			28.5		16.3	11.6	7.9	3.7	34.5			
-396		14 49	-3.1	-2.3	3.5	12.6			17.8		25.1	19.8	12.9	6.4	3.3	-7	36.7			
-397		14 50	-3.2	-2.3	3.4			11.9			25.5	17.0	9.9	4.0	1.8	-4	38.5			
-398		14 52	-3.1	-1.9	4.3						25.4	18.1	10.8	5.6	1.7	-1.4	36.7			
AA-105-399	13 JAN 81	0 7	3.0	6.8	11.5	18.9	26.1				39.3	39.3	36.8	31.6	29.6	27.7	25.5	35.8		
-400		0 11	3.1	7.0	11.7	18.3	29.6		34.3	35.3	34.9	30.8	30.8	26.1	24.9	24.3	22.8	36.7		
-401		0 13		9.0	13.2						38.3	38.3	36.0	30.4	28.0	26.1	23.4	35.3		
-413		13 7	4.4	6.1	10.9	19.3	29.9		38.4	40.7	40.9	38.6	34.2	30.5	29.7	27.0		37.7		
-414		13 11	2.8	5.9	9.9	17.0			37.5	39.7	40.1	38.1	32.9	29.8	28.4	25.7		35.4		
-415		13 14		7.4	12.8			32.0	37.6	39.4	39.7	37.7	32.6	29.6	28.6	25.8		34.5		
-416		13 16		6.2	10.7	17.0	27.0			39.8	40.1	38.3	33.4	29.7	28.2	25.9		35.4		
-417		13 18	2.9	5.2	9.4	16.4	25.7	30.3	34.0	39.1	39.3	36.3	32.0	29.7	28.3	26.8		35.9		
AA-106-403		0 23	-1.3	2.2	8.2	14.3	22.0		23.8	22.7	18.2	10.8	4.7	.8	.0	-3.6		35.4		
-405		0 26	-2.5	.2	8.7	15.0	21.3		23.8	20.9	17.3	10.0	5.2	2.0	-2.1	-5.3		36.3		
-406		0 27	-2.5	1.2	8.9	14.5	21.0		23.2	19.8	15.1	8.5	2.9	-8	-3.6	-5.7		34.9		
-410		0 45	-4.1	.4	6.9	13.6	21.0	19.7	15.4	13.5	10.7	4.6	-1.8	-3.4	-6.4	-9.7		35.8		
-411		0 47	-2.9	1.2	7.8	13.5	21.3	20.2	18.8	16.3	15.3	10.1	3.5	-8	-2.5	-5.4		36.7		
-412		0 50	-3.8	.7	7.6	14.4			21.0	17.6	13.6	7.0	.3	-1.4	-4.2	-6.7		38.5		
-418		13 31	1.5	2.9	9.5	15.6					27.5	21.2	13.6	7.8	4.4	2.1		34.5		
-419		13 35	1.0	3.0	9.3	15.7	23.2				30.0	25.1	19.9	13.7	9.1	5.1		35.4		
-420		13 37	2.6	4.5	10.7						24.8	20.0	14.2	8.6	3.7	-2.0		17.9		
-421		13 39	.8	2.5	9.3	15.5		27.0			27.1	21.1	14.5	8.2	6.1	5.2		34.5		
-422		13 40	.7	2.3	8.6	15.6	24.4				27.2	21.6	13.1	5.1	1.0	-2.4		35.4		
-423		13 42	.5	2.0	8.4	15.0					28.2	22.0	15.6	8.8	4.5	1.6		38.5		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-B08-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE E68

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-105-378	09 JAN 81	0 48	-13.2	-13.9	-11.2	-8.0	-8.4	-7.3	-7.6								-7.7	-10.6
-379		0 50	-11.3	-11.8	-11.4	-11.3	-12.3	-11.5	-9.8	-12.9							-6.3	-10.1
-380		0 51	-15.6	-15.0	-13.3	-12.4	-14.0	-15.8	-15.5	-17.5							-9.7	-13.4
-381		0 52	-14.8	-16.5	-17.2	-17.7	-18.2	-16.1	-17.1	-22.7							-10.8	-15.5
-382		0 57	-5.8	-3.4	-1.3	1.4	4.0	3.8									1.4	-1.7
-383		0 58	-2.3	-3.8	-1.6	1.4	4.1	5.9									3.1	1.1
-384		0 59	-8.9	-11.2	-9.3	-5.5	-2.0	-1.9	-5.2								-3.4	-7.1
-385		9 1	-8.9	-9.7	-6.5	-3.2	1.8	3.4									-2.3	-5.7
-386		9 2	-16.2	-16.2	-12.9	-9.0	-5.0	-3.8									-7.6	-12.4
-387		9 3	-11.8	-12.1	-9.8	-7.0	-5.0	-2.7									-5.2	-8.5
-388		14 9	15.6	12.9	11.5	10.6											20.0	15.5
-389		14 12	17.3	14.5	13.4	12.4											19.9	17.2
-390		14 14	14.3	12.0	10.6	10.0											17.8	14.7
AA-106-391		14 38	2.3	7	-6	-2.3											5.8	2.2
-392		14 42	-5.3	-7.6	-6.1	-5.3	-9.4	-17.9									-4.1	-8.8
-393		14 44	-4.3	-7.4	-8.0	-7.2	-11.5										-2.2	-6.4
-394		14 45	-4.7	-6.9	-6.7	-4.7	-8.4										-5	-4.5
-395		14 47	-2	-1.2	-2.5	-3.0	-6.8										2.9	-1.4
-396		14 49	-5.2	-6.8	-6.0	-5.3	-9.3	-19.1									-4.3	-9.0
-397		14 50	-5.9	-7.4	-7.3	-6.5	-10.7	-20.6									-5.7	-10.6
-398		14 52	-5.9	-8.2	-8.4	-6.8	-10.4	-20.6									-5.9	-10.7
AA-105-399	13 JAN 81	0 7	23.5	22.1	21.5	18.4											25.1	23.7
-400		0 11	22.2	21.0	19.8	17.3											24.0	22.2
-401		0 13	21.4	19.9	18.4	15.8											24.9	21.1
-413		13 7	25.0	23.9	22.8	20.8											25.5	25.8
-414		13 11	24.3	23.1	22.4	19.5											24.7	24.8
-415		13 14	24.2	22.9	22.6	20.6											26.7	25.3
-416		13 16	24.2	22.3	22.1	19.2											25.4	24.6
-417		13 18	24.8	23.3	22.7	20.2											24.2	25.4
AA-106-409		0 23	-5.8	-7.6	-8.4	-6.7	-14.6										-1.3	-7.8
-405		0 25	-6.5	-7.9	-8.4	-8.1	-13.9										-1.7	-7.9
-406		0 27	-8.2	-10.2	-8.7	-7.9	-16.8	-26.7									-9.9	-17.3
-410		0 45	-10.4	-12.2	-10.9	-11.2	-19.1	-29.4									-12.5	-19.7
-411		0 47	-5.4	-7.4	-6.2	-5.7	-12.8										-1.1	-6.7
-412		0 50	-8.0	-9.7	-8.9	-7.8	-14.3	-25.9									-9.3	-16.3
-418		13 31	9	-1.6	-2.6	-2.6	-7.2										3.5	-1.3
-419		13 35	3.5	2.1	2	6	-2.4										7.4	2.5
-420		13 37	-5.5	-7.2	-6.9	-7.4	-12.6										-1.0	-6.2
-421		13 39	4.0	1.2	5	1.0											9.1	4.9
-422		13 40	-2.0	-6.1	-7.9	-9.4	-9.3										1.2	-4.2
-423		13 42	2.2	-1.7	-2.7	-1.6											6.5	2.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B0B-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE D69

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)															SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-105-424	15 JAN 81	0 19	-5	1.2	6.8	14.3	21.4	31.7	36.6	39.2	39.8	37.2	30.7	27.4	26.0	22.7	34.5	
-425		0 21	.1	1.8	7.6	14.8	22.1	30.7	33.5	36.0	38.2	36.5	31.2	26.8	25.7	22.6	34.9	
-426		0 22	.0	1.0	6.4	16.5	25.2	34.5	39.1	41.9	43.4	38.6	33.0	28.9	27.4	24.4	35.4	
-427		0 23	.2	1.6	6.9	14.7	24.0	34.1	38.8	41.9	42.1	39.1	32.7	27.9	26.7	23.0	35.4	
-428		0 25	.5	1.8	7.6	15.1	22.9	33.1		41.0	37.3	31.7	26.6	24.9	20.7	34.5		
AA-106-429		0 33	-2.6	-2.3	2.8	16.0											35.4	
-430		0 34	-3.0	-2.6	2.7	15.8											34.5	
-431		0 36	-2.9	-2.5	3.4	16.2											35.4	
-432		0 37	-3.5	-3.0	2.7	15.9											34.5	
-433		0 39	-2.8	-2.3	3.5												35.4	
AA-105-441	04 FEB 81	0 22	5.5	6.0	5.2	5.8	9.4	12.9	18.2	21.1	23.7	27.1	25.7	19.5	17.5	14.2	36.7	
-442		0 23	10.2	10.4	11.4	11.4	17.0	19.8	25.2	27.5	29.4	32.1	29.3	22.8	20.6	17.9	36.7	
-443		0 27	5.9	7.3	8.8	8.8	13.6	15.8	21.8	23.9	25.7	28.7	27.6	21.2	18.1	14.4	32.7	
-444		0 28	6.4	9.0	10.7	10.0	13.1	17.6	20.8	24.2	27.6	30.4	29.5	22.9	19.8	16.9	37.6	
-445		0 30	7.2	8.9	8.1	9.0	13.4	17.9	24.1	25.2	27.9	31.5	29.8	22.4	19.7	16.9	37.6	
AA-106-446		0 38	-6.9	-9.8	-9.5	-6.1	5.3	13.0	15.0	14.6	16.8	11.7	1.4	-8.1	-9.7	-11.9	37.6	
-447		0 40	-4.9	-7.3	-7.4	-4.5	6.9	13.5	16.6	17.0	19.1	16.7	6.4	-2.5	-3.2	-5.8	36.7	
-448		0 41	-4.3	-7.1	-6.6	-3.5	8.3	14.2	14.9	19.8	21.4	17.2	5.6	-4.2	-5.6	-8.8	37.6	
-449		0 43	-5.7	-7.9	-7.8	-5.5	4.7	12.3	17.8	18.7	21.5	17.2	5.9	-3.6	-5.0	-7.4	36.3	
AA-105-450	12 FEB 81	13 10	2.9	1.4	1.0	3.3	10.3	15.8	23.2	28.5	32.2	33.7	28.5	22.0	21.5	18.9	35.4	
-452		13 29	4.3	2.9	2.3	4.4	11.6	17.5	25.9	32.6	36.3	36.7	32.3	26.1	24.9	22.6	27.8	
-453		13 32	4.5	4.0	3.5	5.5	11.3	15.3	24.1	30.7	33.9	35.9	31.4	25.0	23.9	21.3	34.5	
-454		13 48	4.0	3.8	3.6	5.8	12.2	18.1	25.4	31.6	34.6	34.0	32.5	27.2	26.5	24.0	38.5	
AA-106-455		13 56	-3.0	-4.5	-5.4	-3.4	7.1	14.9	23.3	23.8	27.1	22.4	17.4	7.6	6.4	5.5	34.0	
-456		13 58	.1	-1.9	-2.7	-0.9	9.7	17.6		33.7	31.4	23.2	14.2	12.7	10.8	35.8		
-457		14 1	-2.5	-4.1	-5.0	-2.8	7.7	16.5		23.6			10.1	8.9	6.3	35.8		
-458		14 6	-1.3	-2.6	-3.2	-1.1	9.4						14.3	13.7	11.1	33.6		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 1757 M  
 DATE 02 FEB 87  
 PAGE 69

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-105-424	15 JAN 81	08 19	19.1	16.6	15.6	13.7	8.1	-2.2									15.4	9.8
-425		08 21	18.5	15.9	14.4	12.8	7.1										18.3	14.9
-426		08 22	21.3	18.8	17.9	15.8	10.0										19.9	18.0
-427		08 23	19.6	16.6	15.5	13.7	8.7										19.0	16.2
-428		08 25	16.7	14.7	13.8	11.4	5.3	-4.2									14.2	8.0
AA-106-429		08 33	11.9	6.9	3.9	1.0	-5.8	-13.9									.7	-3.5
-430		08 34	16.9	14.0	11.6	8.6	2.0	-6.0									8.1	4.4
-431		08 36	7.1	2.2	-5	-5.0	-11.9	-17.5									-3.5	-7.8
-432		08 37	12.5	7.1	2.6	-1.3	-7.4	-13.6									.6	-3.6
-433		08 39	13.0	9.3	6.4	1.7	-7.0	-14.5									.4	-4.0
AA-105-441	04 FEB 81	08 22	12.7	12.1	13.1	14.6											16.1	15.5
-442		08 23	16.5	16.1	17.3												21.4	20.2
-443		08 27	12.7	12.3	13.0	15.1											17.6	19.7
-444		08 28	14.7	13.7	14.8	16.4											19.0	17.5
-445		08 30	14.7	14.2	14.8	16.1											19.1	17.5
AA-106-446		08 38	-11.2	-9.8	-7.2	-5.5	-3.3	-1.3									-2.1	-6.8
-447		08 40	-7.4	-5.6	-3.2	-1.4	1.9										2.3	-2.2
-448		08 41	-9.2	-8.5	-5.7	-4.6	-1.4										-1	-4.7
-449		08 43	-8.6	-8.4	-4.8	-3.0	-1.9										.8	-4.1
AA-105-450	12 FEB 81	13 10	18.7	20.0	22.5	25.3											17.6	22.5
-452		13 29	22.5	22.2	23.4												19.3	25.6
-453		13 32	19.9	20.1	21.5												19.5	23.8
-454		13 48	22.6	21.9	21.6												20.2	25.4
AA-106-455		13 56	2.6	-1.1	-1.7	-1.2	-5.0										7.1	1.4
-456		13 58	8.4	4.5	1.8	1.3	-4.7										9.2	3.1
-457		14 1	4.2	2.0	2.4	2.8											9.6	6.8
-458		14 6	8.2	4.5	3.2												11.7	10.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE 370

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-469	25 FEB 81	12 59	4.6	7.4	8.8	9.6	10.3	12.7	15.5	17.6	21.7	24.6	24.6	24.9	22.5	23.9	23.1	34.5	
-470		13 1	3.5	4.4	4.5	5.6	7.8	8.4	10.4	14.6	20.2	25.4	26.2	23.5	24.0	22.2	34.5		
-471		13 2	2.1	2.8	2.5	3.6	6.5	6.6	8.6	13.3	19.3	24.3	24.7	23.0	24.1	22.4	33.6		
-472		13 4	3.6	3.9	3.1	4.6	6.2	6.7	9.5	14.3	19.2	24.1	26.7	24.8	25.6	23.5	33.6		
-473		13 5	3.4	5.3	4.8	5.9	8.7	10.3	10.9	14.4	19.6	25.7	27.2	25.9	26.6	24.9	35.8		
AA-106-464		8 33	5.6	4.8	5.1	7.0	4.8	7.4	13.8	22.8	29.8	28.6	27.1	21.4	31.3				
-465		8 34	5.7	4.4	4.8	8.3	6.5	10.5	17.9	26.1	32.5	28.4	27.3	22.8	34.5				
-466		8 36	5.0	4.2	4.5	7.1	5.3	9.7	16.5	25.1	33.6	29.4	27.5	22.6	33.1				
-467		8 37	7.2	7.8	7.7	10.1	7.9	10.6	17.7	26.9	33.5	29.7	28.1	23.4	34.9				
-468		8 39	5.7	5.1	5.6	7.5	5.0	8.4	15.0	24.0	31.5	27.9	26.5	21.9	33.6				
-474		13 16	6.2	5.1	4.8	5.9	7.9	5.1	6.9	11.7	20.8	29.2	24.7	25.3	22.2	35.3			
-475		13 18	2.7	3.5	3.5	4.9	8.2	7.8	10.4	15.2	21.4	28.7	26.5	23.8	21.5	34.4			
-476		13 19	3.8	3.2	1.8	2.3	4.3	3.0	5.0	10.2	20.6	26.1	26.2	22.9	23.1	19.5	34.4		
-477		13 26	5.1	6.0	4.6	5.4	7.6	7.2	11.3	14.6	21.7	27.1	23.5	23.2	20.7	35.4			
-478		13 29	5.6	6.5	5.2	6.8	9.8	8.0	10.5	15.1	22.0	28.3	24.8	24.9	21.4	35.4			
AA-105-479	27 FEB 81	7 15	-2.3	-4.4	-6.2	-6.2	-8	5.0	11.5	14.2	20.8	32.0	30.1	18.5	14.9	11.0	34.4		
-480		7 17	-2.6	-4.6	-6.7	-6.0	-9	4.5	11.6	14.9	20.2	29.5	26.3	16.9	14.6	9.5	34.4		
-481		7 18	-2.6	-4.7	-6.2	-6.2	-9	4.6	12.2	16.0	21.1	32.2	28.0	15.5	13.7	10.4	34.9		
-482		7 20	-3.1	-4.9	-6.3	-6.0	-6	5.1	12.5	16.1	20.9	32.7	31.8	20.4	18.1	14.3	34.4		
-483		7 21	-2.9	-4.6	-6.6	-6.0	-7	5.3	12.6	15.3	20.5	32.5	31.2	19.8	17.4	13.3	33.6		
-489		7 43	-2.9	-5.1	-6.6	-5.6	-6	4.3	12.5	14.0	17.8	22.5	26.3	16.4	14.8	9.6	34.0		
-490		7 45	-3.5	-5.3	-6.6	-5.6	-4	4.3	11.8	14.2	17.7	20.6	24.6	17.4	14.9	12.4	34.9		
AA-106-485		7 29	1.8	.6	-1.1	-1.7	1.0	-9	4.3	11.8	25.1	34.5	36.5	28.4	24.6	19.3	33.6		
-486		7 31	1.9	.7	-1.6	-2.3	.5	-1.5	4.5	12.9	27.1	34.2	35.6	25.9	20.7	14.0	34.5		
-487		7 32	1.1	.4	-2.0	-2.7	-1	-1.7	3.7	11.0	24.6	31.8	34.1	24.4	18.8	11.1	35.3		
-488		7 34	2.3	.7	-1.0	-1.9	.7	-1.3	3.3	11.0	25.1	33.4	35.4	27.3	22.8	15.2	34.5		
-491		7 51	6.7	8.1	6.7	8.1	11.5	16.2	20.2	27.6	26.7	25.5	26.7	25.5	35.4				
-492		7 53	6.8	7.2	6.9	11.5	10.2	14.9	21.2	29.2	24.4								

ESA STATISTICS:  
 MINIMUM (-9.9 -9.8 -11.0 -8.4 -4.9 -7.4 -6.4 -4.8 -3 -5 -6.2 -16.4 -15.6 -15.0 14.8  
 MAXIMUM (9.6 12.5 15.1 23.8 29.9 34.5 39.1 41.9 43.9 49.6 45.0 41.9 41.8 39.8 45.3  
 AVERAGE (.2 1.6 2.6 4.8 8.1 11.1 16.0 20.4 25.6 28.0 25.0 19.7 17.8 14.9 32.2  
 STANDARD DEVIATION (4.3 5.0 5.7 6.8 7.2 7.3 7.9 8.5 8.7 9.8 11.4 12.1 12.4 11.9 4.0  
 NUMBER OF DATA POINTS (283 330 341 333 316 315 320 330 344 321 305 349 357 362

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 1757 METERS

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DISTANCE 1757 M

DATE 02 FEB 87  
 PAGE E70

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-105-469	25 FEB 81	12 59	20.0	15.9	14.3	12.1	6.8	.2									16.1	12.4
-470		13 1	18.8	14.9	13.0	10.4	6.6	1.4									14.3	12.5
-471		13 2	18.5	14.5	12.5	10.4	6.2	2.4									13.3	12.7
-472		13 4	18.9	15.0	13.5	11.2	7.1	.9									13.5	12.6
-473		13 5	21.9	18.1	16.5	14.2	9.6	4.0									15.8	15.5
AA-106-464		8 33	16.3	10.0	7.2	6.2	.3	-7.3									10.4	4.1
-465		8 34	17.4	11.2	8.5	7.2	2.3	-3.6									13.0	7.1
-466		8 36	17.3	11.9	9.8	8.4	3.5	-2.3									13.1	8.5
-467		8 37	18.3	13.2	11.3	10.2	5.5	-.8									14.9	10.0
-468		8 39	17.1	12.2	9.0	7.4	2.7	-2.8									12.4	7.7
-474		13 16	19.3	14.2	12.2	11.9	9.1	1.6									13.0	16.2
-475		13 18	17.4	12.3	10.3	9.9	6.4	1.6									14.3	11.6
-476		13 19	15.2	8.8	5.9	5.1	.5	-4.2									9.7	6.4
-477		13 26	17.2	12.0	9.8	9.0	5.8	1.9									14.6	14.1
-478		13 29	17.1	11.6	9.3	8.5	5.7	1.9									14.6	11.6
AA-105-479	27 FEB 81	7 15	9.3	3.3	4.2	5.8	.2	-.8									9.7	7.3
-480		7 17	7.5	4.2	4.6	3.9	-1.6	-2.7									9.1	6.1
-481		7 18	5.9	2.5	3.0	4.0	.3	-1.7									9.3	6.4
-482		7 20	9.5	4.6	5.8	6.9	1.9	1.0									10.6	9.0
-483		7 21	9.9	5.5	5.1	4.7	-1.1	-.9									10.4	7.8
-489		7 43	5.5	1.2	1.5	2.2	-1.5	-5.0									8.1	4.4
-490		7 45	6.7	1.8	.3	1.4	-1.2	-5.1									8.3	4.7
AA-106-485		7 29	11.7	4.3	3.7	.8	-.9	-5.5									7.9	4.2
-486		7 31	5.9	-.7	-.9	-3.3	-6.6	-9.7									5.5	-.2
-487		7 32	4.3	-2.4	-3.0	-5.3	-11.1	-12.9									4.1	-3.3
-488		7 34	9.9	3.8	2.4	-.9	-5.4	-6.2									6.5	2.4
-491		7 51	20.1	16.8	15.3	15.3											20.1	22.2
-492		7 53			14.8	15.7	11.4										18.1	19.9

ESA STATISTICS:

MINIMUM (-16.2 -16.5 -17.2 -17.7 -19.1 -29.4 -25.2 -26.9 -23.6 -12.5 -19.7)

MAXIMUM (38.2 36.7 35.4 33.6 31.0 26.3 16.6 4.6 -7.1 38.4 41.3)

AVERAGE (11.8 9.5 7.9 7.2 4.9 2.7 -2.8 -7.7 -16.6 12.5 10.1)

STANDARD DEVIATION (11.4 10.9 10.2 9.8 10.2 10.2 8.1 7.0 5.9 9.0 11.2)

NUMBER OF DATA POINTS (354 355 350 342 317 278 86 56 6 361 361)

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-908-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE D71

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-102-051	29 JAN 80	16 40	.8	-1.2	.9	2.2	2.4	5.4	9.4	12.3	17.9	22.9	16.8	13.7	9.7					27.1
AA-102-057	13 FEB 80	14 43	-5.5	-8.5	-8.1	-5.1	3.1	6.5	13.6		23.6	23.9	17.4	7.6	-9	-6.7				22.4
-058	14 51		-5	-3.8	-3.5	-2.0	9.4	15.8	25.8				17.5	13.0	9.8	8.5				29.2
-059	15 15		-4.7	-7.6	-8.2	-5.8	3.7	9.6	16.2	21.4	22.6	25.6	21.3	12.8	2.8	-2.2				36.3
AA-102-067	20 FEB 80	13 11	-2.6	-4.9	-5.6	-6.2	-6.8	-7.0	-6.5	-4.3	2.5	15.3	19.2	17.6	18.3	19.7				27.7
AA-102-070	21 FEB 80	14 33	5.8	8.9	12.3			17.2	18.9	21.2	23.6	25.3	26.0	24.2	22.2	22.9				31.8
AA-102-071	22 FEB 80	14 48	-8.5	-10.0	-9.6	-8.0	-3.8	1.0	8.0	10.8	16.3	21.8	19.8	14.7	6.4	1.4				26.0
-072	14 53		-6.0	-9.5	-8.2	-6.5	-7.3	.6	5.6	5.6	10.6	18.8	19.7	12.5	4.4	-2				31.7
AA-102-093	22 APR 80	14 10		-6.8	-8.0	-7.3	-1.5	3.8	14.2	15.1	12.8	14.7	13.4	4.9	-1.0	-3.6				22.3
AA-102-097	08 MAY 80	14 52	1.0	-1.1	-1.0	1.6	4.5	8.9	15.7	20.7	25.0	25.5	20.8	9.0	6.9	5.0				29.7
AA-102-100	09 MAY 80	14 34	.2	-3.9	-3.3	-2.2	2.2	9.3	18.4				16.2	12.9	5.3	2.8	.1			29.0
AA-104-102	09 SEP 80	7 17	.5	-9	-6.4	-2.7	2.6	-2	-1	2.0	5.6	7.8	-3.6	-12.7	-13.8	-11.5				32.6
-104	7 30		-7.9	-4.7	.0	-1.0	-2.9	-1.8	-1.9	-1.0	6.1	13.1	-8	-10.1	-9.8	-6.7				34.0
-106	7 40		-6.8	-2.0	4.3	-1.5	-6	1.2	3.7	6.0	8.2	7.5	-2.7	-10.1	-10.9	-10.8				39.3
-108	7 50		-4.5	.6	-3	-8	5.6	7.3	11.4	14.5	18.4	17.9	11.8	-5	-2.1	-4.0				32.2
-110	8 1		-6.6	-3.8	.9	1.8	1.6	3.1	2.8	5.7	4.2	5.9	1.4	-7.2	-9.0	-7.9				40.2
-113	13 4		1.2	.0	.0	2.2	5.5	10.8	18.4	25.7	27.8	29.8	25.0	9.4	6.3	6.2				35.3
-115	13 16		2.8	3.7	2.5	4.0	7.4	12.0	21.7	20.2	23.9	30.9	27.1	13.6	11.2	10.8				35.8
-117	13 29		-1.1	-2.9	-3.4	-1.1	.8	5.0	11.9	16.7	20.0	21.6	20.1	8.1	6.1	4.5				30.4
-119	13 47		.6	-8	-1.6	1.7	4.6	10.7	18.7	19.6	21.9	25.8	25.4	11.4	6.7	6.7				32.7
-121	14 3		-8	-1.7	-9	2.7	8.9	16.3	22.2	22.8	22.9	22.8	20.5	7.8	6.1	5.0				30.0
-123	14 13		-3.0	-2.9	-3.7	-7	2.4	7.7	10.7	15.4	19.0	18.6	16.4	4.1	1.1	.5				31.3
-124	15 18		-3.3	-4.8	-5				14.2		23.1	21.7	17.6	8.3	1.5	-1.2				29.5
AA-104-126	10 SEP 80	7 4		8.9	9.4	12.4	13.4	15.8	20.5	26.0	32.8			39.8						38.4
-128	7 16		13.6	14.8	16.7	18.4	24.4	29.6	33.1	29.6	33.1			38.4						31.3
-130	7 28		9.6	12.5	14.6	16.7	19.3	25.1	32.2					37.7						31.3
-132	7 39		9.2	11.0	14.1	17.1			30.8											31.3
-134	7 50		9.3	11.6	14.3	19.5	23.4	25.3	30.2					35.2						30.9
-136	13 4		7.3	8.5	7.5	11.6	14.5	18.7	23.1	24.6	25.7	28.0	28.9	22.4	22.5	20.2				30.4
-138	13 14		5.4	7.2	8.6	13.6	14.6	16.9	19.5	20.8	20.3	23.0	23.8	18.0	18.4	17.1				29.9
-140	13 24		10.7	11.1	16.0	17.4	18.0	23.6	24.2	27.4	29.0	28.0	28.0	23.6	22.4	22.4				30.4
-142	13 36		7.5	7.9	10.1	14.5	14.3	19.5	21.6	24.3	27.0	26.1	26.1	22.2	21.5	18.5				28.2
-144	13 49		10.4	10.4	12.2	13.5	14.6	18.4	22.6	25.9	29.5	29.5	29.9	25.2	25.7	23.3				29.5



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE E71

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
		START TIME	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000			5000	6300	8000	10000
AA-102-051	29 JAN 80	16 40	6.8	5.1	4.7	3.7	-11.7										6.1	-8
AA-102-057	13 FEB 80	14 43	-5.2	-4.4	-2.9												6.1	1.1
-058	14 51	6.1	5.7	4.4	4.5	3.5											11.1	6.9
-059	15 15	-3.2	-2.9	-2.3	.0	-3.1											7.5	2.3
AA-102-067	20 FEB 80	13 11	15.1	5.5	.4	-3.6	-7.5	-12.2	-14.1								-2	.2
AA-102-070	21 FEB 80	14 33	21.9	19.5	17.0	13.9	11.6	9.2									21.2	18.4
AA-102-071	22 FEB 80	14 48	.2	1.2	3.0	1.3	.1	-7									6.2	4.2
-072	14 53	-3.9	-4.0	-2.7	-4.2	-8.6											3.9	.2
AA-102-093	22 APR 80	14 10	-2.1	-1.9	-7												5.6	3.0
AA-102-097	06 MAY 80	14 52	1.7	.2	.5	1.5	-.4	-7.8									7.8	1.5
AA-102-100	09 MAY 80	14 34	-7	-1.9	-2.5	-4.3	-7.6										5.3	-1.2
AA-104-102	09 SEP 80	7 17	-6.0	-7.8	-9.0	-7.5	-9.9	-13.0	-13.8	-15.9							-5.2	-10.3
-104	7 30	-5.0	-9.0	-9.0	-7.9	-12.8	-16.1	-18.9	-20.5	-28.1							-8.0	-16.0
-106	7 40	-4.8	-6.8	-8.1	-8.3	-9.1	-13.5	-17.5	-19.0								-4.1	-10.7
-108	7 50	-7	-1.7	-1.0	-2.4	-2.5	-8.6	-10.9									4.4	-2.3
-110	8 1	-8.1	-10.7	-9.5	-8.5	-12.4	-16.4	-20.6	-23.1	-34.4							-12.1	-21.1
-113	13 4	6.4	3.9	3.5	3.2	2.0	-2.2										12.2	6.2
-115	13 16	8.4	8.0	7.2	7.3	4.6	-3										14.6	9.1
-117	13 29	2.0	1.3	.2	1.2	-.7	-7.1										8.3	2.7
-119	13 47	6.8	3.7	2.4	2.7	1.3	-2.9										11.5	5.8
-121	14 3	5.0	3.6	4.5	3.6	.4	-3.5										11.6	5.1
-123	14 13	-9	-1.3	-1.1	-2	-3.2	-7.9										6.9	.8
-124	15 18	-3.5	-1.5	-2	1.4												9.7	3.1
AA-104-126	10 SEP 80	7 4	26.0	23.4	21.3	21.1	20.7										23.4	26.3
-128	7 16	26.9	24.0	22.0	21.7	20.7	17.1										26.3	24.7
-130	7 28	25.8	23.4														24.1	32.4
-132	7 39																25.9	40.8
-134	7 50	24.5		18.5	18.6												24.8	26.9
-136	13 4	17.5	14.7	11.9	12.0	11.7	9.0										20.7	16.3
-138	13 14	13.8	11.0	7.9	7.7	7.0	4.0										16.9	11.2
-140	13 24	19.3	16.3	12.6	11.4	10.7	7.8										21.6	16.0
-142	13 36	15.4	12.1	10.1	10.9	10.3	7.5										18.8	13.9
-144	13 49	20.7	17.8	14.6	13.7	13.4											20.7	18.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B09-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE D72

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-157	16 SEP 80	13 42	9	-1.1	-2.1	.8	4.5	7.8	11.5	17.9	24.8	28.8	25.4	13.8	11.9	7.8	31.3		
-161		14 8	0	-1.1	-3.0	-2	4.0	8.9	15.7	24.1	24.8	29.2	25.5	11.4	10.3	9.1	29.5		
-162		14 11	-1.9	-2.6	-4.1	-1.4	2.4	7.1	11.0	17.6	21.0	24.0	23.0	7.5	5.4	1.6	29.5		
-163		14 13	-3.8	-4.4	-5.0	-6	3.1	7.3	10.6	14.7	15.9	18.5	21.2	5.8	2.1	1.3	35.3		
AA-108-146		7 28	-6	-2.3	-1.6	-1.8	2.3	8.9	17.7	20.9	19.9	17.6	6.5	.6	.8	-6.2	29.1		
-148		7 40	1.3	-1	-4	.9	4.2	8.9	15.6	19.8	22.6	19.0	7.8	.8	.7	-4	31.3		
-152		8 6	-1.6	-2.3	-2.0	.1	2.5	8.4	14.7	19.2	18.5	17.4	9.7	5.0	5.3	5.2	30.4		
-154		8 21	4.7	3.9	2.7	3.5	5.6	10.7	19.0	25.6	24.6	21.2	11.9	5.5	7.0	5.4	29.6		
AA-104-167	17 SEP 80	7 27	-7.3	-7.2	-6.3	-5.2	-3.6	2.6	2.8	5.4	8.7	12.7	18.2	8.3	3.6	-3.8	35.3		
-168		7 30	-6.4	-7.2	-6.2	-2.1	-3	2.4	4.3	7.7	12.8	17.2	19.9	10.9	6.1	-9	32.2		
-169		7 33	-6.1	-6.3	-6.3	-3.7	-9	1.7	4.4	6.5	10.3	14.3	20.1	10.7	4.0	-2.3	30.4		
-172		8 4	-5.5	-5.8	-4.2	-3.0	2.9	7.3	10.2	10.9	13.8	17.0	17.2	8.8	1.4	-1.3	33.5		
-173		8 23	-6.9	-7.2	-5.8	-2.0	2.2	6.8	10.8	10.2	11.3	16.6	18.3	5.7	-3.3	-3.8	38.9		
-174		8 27	-8.4	-9.4	-6.6	-1.4	-2.8	-4	3.9	5.9	8.4	12.9	10.5	-2.0	-9.2	-8.6	32.6		
-180		13 51															34.4		
-181		14 2		11.1	12.1	16.5				19.6			32.8				29.9		
-182		14 4	8.1	10.4	11.2	14.1	16.5	18.8	21.3	23.7	27.9	29.5	30.4	27.2	26.5	21.6	31.3		
-183		14 6		10.1	11.6	14.4	15.0	18.7	20.3	23.2	26.1		30.0	25.6	26.2	20.4	33.1		
-185		14 8	8.3	8.6	11.6		15.6	19.1		28.3			31.2	27.9	23.3	30.8	30.8		
-186		14 13	9.9	9.9	10.6	13.7	16.2	21.9	21.8	24.1	27.5		26.6	25.5	26.2	20.9	33.5		
-187		14 14	4.8	8.3	8.0	11.7	14.3	16.9	19.6	22.1	25.6		29.3	26.3	25.9	20.5	34.4		
AA-104-190	19 SEP 80	7 12		13.4	14.6	16.2	16.9	19.4	26.7	35.0							30.4		
-191		7 14	11.7	11.8	12.2	15.2	16.8	20.5	25.5	33.7							31.3		
-211		13 16	7.6	7.7	6.3	8.2	11.8	12.9	16.7	23.0	27.1	32.5		29.5	27.0	22.7	29.6		
-212		13 21	5.9	5.8	6.1	8.2	10.2	12.2	17.4	24.4	28.3		27.8	27.1	23.0	29.6	29.6		
-213		13 35	10.8	8.8	7.4	9.8	14.6	16.5	22.5	24.3	30.8	34.6	34.2	28.5	26.3	24.5	30.9		
AA-104-217	23 SEP 80	7 21	6.9	8.0	6.8	9.5	11.6	15.3	19.4	26.8	31.3	35.5	34.5	27.2	24.7	21.0	30.4		
-218		7 23	10.2	9.5	13.8	15.4	18.3	22.6	28.2	33.3							29.5		
-219		7 24	7.4	8.1	6.8	10.1	11.2	15.1	20.5	25.9	30.4		27.9	26.7	22.7	30.4	30.4		
-222		7 41	7.8	7.9	10.6	14.1	17.6	21.0									29.1		
-223		7 43	7.2	7.6	7.3	8.7											26.4		
-224		7 46	5.8	7.2	6.9	9.8	13.4	16.0	21.6				35.7	27.5	24.0	30.0	30.0		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATABASE:  
 DISTANCE 2079 M

DATE 02 FEB 87  
 PAGE E72

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			80	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-104-157	16 SEP 80	13 42	5.4	5.3	5.2	5.9	6.2	2.5										11.7	8.4
-161		14 8	7.3	6.8	6.4	8.1	6.8	3.6										12.2	9.7
-162		14 11	1.2	4.0	5.6	4.9	3.5	.2										9.5	6.1
-163		14 13	.2	1.1	2.6	3.4	.9	-1.7										8.5	4.1
AA-108-146		7 28	-7.3	-1.1	2.2	2.2	5.0	3.5										5.2	1.1
-148		7 40	.4	-2.7	-4.1	-5.2	-6.1	-3.9	-7.4									5.0	-3.1
-152		8 6	5.0	1.6	-1.6	-1.9	-1.1	-2.2										6.4	1.0
-154		8 21	4.1	3.4	-1.1	-2.2	-1.3	-2.9	-7.2	-11.7								4.8	-3.4
AA-104-167	17 SEP 80	7 27	-6.4	-3.0	-1.9	-2.5	-3.1	-5.3	-5.9									4.2	-1.1
-168		7 30	-2.7	-6	.1	-1.3	-3.0	-3.2	-4.0	-7.0								5.8	.1
-169		7 33	-2.6	.6	.8	-1.8	-1.3	-1.3										6.2	3.4
-172		8 4	-1.3	-1.4	-2.2	-3.1	-4.5	-2.9										5.7	1.0
-173		8 23	-2.5	-9	-2.8	-6.2	-6.8											4.6	-1.1
-174		8 27	-6.8	-4.8	-8.1	-9.0	-8.4	-7.7	-9.3									-5	-5.6
-180		13 51																	
-181		14 2	21.3	18.5	16.3	15.5	14.8	11.3										25.3	19.3
-182		14 4	18.8	16.6	14.2	13.9	13.3	10.3										21.7	17.5
-183		14 6	18.1	16.0	13.9	13.8	13.5	10.0										21.5	17.5
-185		14 8	20.3	17.9	15.5	14.8	14.1	10.7										23.4	18.4
-186		14 13	18.4	16.0	13.7	13.8	13.6	10.6										21.7	17.0
-187		14 14	18.0	14.9	12.1	12.0	11.6	8.4										20.0	14.9
AA-104-190	19 SEP 80	7 12																28.7	43.2
-191		7 14																28.3	42.7
-211		13 16	18.9	15.6	12.4	12.3	11.7	9.4										19.3	16.6
-212		13 21	19.3	15.7	12.4	12.0	11.5	9.1										19.3	16.9
-213		13 35	21.2	18.0	15.3	15.4	15.3	13.4										22.3	19.9
AA-104-217	23 SEP 80	7 21	18.8	15.9	13.4	12.6	11.0	6.7										19.6	15.3
-218		7 23	21.6	19.8	17.4	17.6	16.0	10.5										23.3	19.6
-219		7 24	20.4	17.6	14.8	14.3	13.4	9.1										20.4	17.5
-222		7 41	22.2	19.9	18.0	17.3	15.7	11.8										22.3	19.6
-223		7 43	21.6	18.9	17.1	16.8	15.4	11.0										23.6	19.0
-224		7 46	21.0	18.5	16.4	16.4	15.2	11.3										21.5	18.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE D73

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)		
			25	31	40	50	63	80	100	125	160	200	250	315	400	500					
AA-104-239	24 SEP 80	7 12	11.8	11.4	9.9	12.5	14.9	18.3	26.9									32.3	30.2	31.3	
-240		7 13	11.0	9.9	8.6	11.7	14.5	19.6	27.1	34.6								30.8	30.8	31.3	
-241		7 15	10.9	10.4	9.0	11.3	14.2	19.4	28.0	34.7								33.3	31.4	30.4	
-242		7 16	10.3	9.8	10.5	12.8	15.4	20.3	28.7									32.4	30.4	31.3	
-249		7 39	9.7	9.6	8.8	11.3	13.7	17.2	21.6	30.7	35.6							29.6	27.6	30.4	
-250		7 40	10.0	7.8	6.4	8.2	10.4	14.3	20.3	29.4	37.1	40.6						28.9	26.3	32.2	
-251		7 42		7.1	6.1	9.4	12.3	17.0	24.5			39.6						29.6	27.4	31.3	
-252		7 43		8.2	8.1	12.1	13.2	17.4										29.9	28.6	32.2	
-253		7 45		7.8	7.5	6.6	10.1	13.7	18.4									29.7	28.0	31.3	
-254		7 46		10.4	10.2	9.1	12.2	16.0	20.8									25.4	24.8	49.2	
-255		7 48		8.4	9.0	8.2	10.2	12.4	17.2									29.1	27.2	35.3	
-256		7 49		7.5	8.0	8.6	12.4	15.0	20.0									29.1	27.2	35.3	
-262		15 17		5.3	6.9	6.8	9.5	11.4	14.8	18.8	22.8	27.7	29.8	28.4	21.4			19.6	16.4	32.2	
-263		15 18		4.5	4.2	3.1	6.0	6.1	11.4	16.9	18.5	24.4	28.2	26.4	16.7	13.9	10.5	32.2	32.2	32.2	
-264		15 24		6.1	4.2	3.8	4.8	4.1	9.7	14.2	20.2	23.0	27.4	25.6	17.4	17.4	16.2	32.2	32.4	32.2	
-265		15 26		3.1	2.2	1.1	2.7	2.9	7.3	9.8	14.4	17.6	27.8	17.9	12.6	10.2		32.2	32.2	32.2	
-266		15 28		1.8	.4	-1.0	1.3	1.6	6.3	9.7	12.6	18.5	29.4	29.2	18.8	9.5		31.3	31.3	31.3	
AA-104-272	25 SEP 80	7 30	-1.7	-3.8	-5.9	-3.4	-9	3.1	8.2	14.0	16.5	18.7	17.6	11.0	8.2	4.1		8.2	4.1	35.3	
-273		7 32		-3	-4.8	-1.9	1.6	5.6	11.8	20.4	20.2	19.4	19.4	12.6	8.1	3.8		8.1	3.8	31.3	
-274		7 34		-6	-3.3	-4.8	-1.4	1.8	5.5	11.9	21.0	28.2	28.9	26.2	16.5	11.8	10.0		11.8	10.0	32.2
-275		7 36		-1.3	-3.5	-5.3	-1.9	1.0	4.5	9.9	16.3	22.2	27.0	26.4	20.3	12.1	5.6		12.1	5.6	36.2
-276		7 38		-1	-3.2	-5.1	-2.1	.7	3.5	8.1	14.2	19.5	24.3	24.2	18.9	16.9	12.8		16.9	12.8	30.4
-279		8 0		2.6	-1.4	-3.6	1.7	3.7	6.1	13.5	20.9	28.2	20.3	20.3	17.9	16.2		17.9	16.2	32.7	
-280		8 2		2.4	-9	-2.4	4.1	4.0	7.2	13.2	20.1	25.9	29.1	28.3	22.5	18.7	16.2		18.7	16.2	40.3
AA-104-286	30 SEP 80	14 30		5.9	6.2	5.6	8.6	12.6	18.0	19.6	21.8	24.0	25.4	24.2	16.2	10.0	8.0		10.0	8.0	31.3
-287		14 31		1.4	2.9	3.5	7.5	11.4	15.3	19.0	22.4	25.4	28.0	25.4	16.8	11.3	10.3		11.3	10.3	31.3
-288		14 33		4.7	6.9	7.8	9.2	11.8	15.8	20.5	24.8	28.6	30.0	28.0	19.2	15.0	15.0		15.0	15.0	31.3
-299		14 34		5.4	6.1	5.2	7.2	11.0	14.8	18.6	22.0	26.9	28.9	18.2	13.4	13.2		13.4	13.2	30.4	
-290		14 37		3.9	5.1	4.7	6.2	8.8	13.7	19.2	21.8	25.5	26.9	19.5	14.5	14.0		14.5	14.0	32.2	
-296		15 13		4.3	5.3	6.0	7.9	10.4	13.9	19.2	21.8	25.5	26.9	17.3	12.3	11.4		17.3	12.3	31.3	
-297		15 25		5.1	5.6	4.3	5.5	9.3	12.9	19.9	24.1	29.3	31.0	29.2	18.2	13.9	13.7		18.2	13.9	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE E73

PARAMETERS:  
ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)	
AA-104-239	24 SEP 80	7 12	29.3	26.6	26.0	26.5	25.4									24.7	29.7	
-240		7 13		27.9													24.5	36.6
-241		7 15	30.1			26.9	26.0										24.6	31.8
-242		7 16		28.5	26.1	26.4	25.4	20.8									25.5	28.5
-249		7 39	26.5	24.9	23.6	24.4	23.8										22.8	27.5
-250		7 40	24.8	22.2	20.1	20.8	19.8	16.2									20.3	22.9
-251		7 42	25.9	23.8	21.7												22.2	29.6
-252		7 43	27.1														23.9	34.8
-253		7 45				23.0											23.5	43.0
-254		7 46	27.0			19.3	16.1	9.8									25.6	30.6
-255		7 48	23.0	19.9													22.3	19.6
-256		7 49	25.8														25.2	34.0
-262		15 17	13.7	11.5	9.3	9.5	8.6	5.2									17.6	12.6
-263		15 18	7.0	5.0	4.1	3.5	2.4	-1.3	-2.7								12.4	5.5
-264		15 24	14.0	12.1	10.0	9.0	7.9	3.8									12.3	10.9
-265		15 26	8.1	5.8	2.8	2.9	3.0	.6									10.7	7.5
-266		15 28	6.0	2.1	-1.2	-2.6	-2.9	-5.9	-6.0								7.8	1.0
AA-104-272	25 SEP 80	7 30	4.4	4.2	2.3	2.9	.3	-2.9	-4.5								7.0	3.4
-273		7 32	2.5	2.0	1.8	2.0	1.4	-2.0	-3.8								8.3	3.5
-274		7 34	8.9	6.9	5.4	4.7	3.4	-2.4	-1.4								9.7	6.0
-275		7 36	3.3	2.0	2.7	.8	-2.6	-5.6	-4.9								7.3	1.4
-276		7 38	8.6	5.5	5.4	3.8	2.9	-1.7	-3.3								8.3	5.1
-279		8 0	15.7	15.1	13.0	13.1											12.7	17.7
-280		8 2	15.7	15.0	14.1	13.9	12.4	8.4									13.5	15.3
AA-104-286	30 SEP 80	14 30	6.7	4.1	1.9	2.1	1.3	-1.6									13.9	5.5
-287		14 31	7.5	5.0	3.3	2.8	.9	-3.3									14.4	5.9
-288		14 33	13.5	11.1	8.7	8.6	7.3	3.9									18.2	12.0
-289		14 34	11.7	9.5	7.3	7.2	5.7	2.2									16.2	10.1
-290		14 37	11.7	8.7	5.9	5.5	4.3	1.4									16.4	9.7
-296		15 13	9.4	7.0	4.7	4.4	3.5	-1.1									14.4	7.3
-297		15 25	11.8	10.3	8.3	7.9	6.4	3.1									16.6	11.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE D74

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-104-304	01 OCT 80	7 17	-4.5	-3.8	-8.8	-6.5	4.9	4.8	8.1	9.0	13.0	13.2	-1.1	-9.1	-9.4	-7.6	31.3			
-305		7 19	-6.2	-3.7	-7.3	-5.5	6.0	9.9	4.1	7.1	6.1	9.1	1.8	-7.1	-4.3	-7.5	31.3			
-306		7 21	-7.7	-3.4	-7.5	-7.3	3.0	8.6	5.4	9.2	7.6	12.2	1.3	-6.7	-4.9	-7.0	31.3			
-307		7 22	-8.4	-2.8	-5.5	-6.6	2.0	9.8	4.2	9.0	8.0	9.2	-1.0	-10.2	-9.3	-7.9	32.2			
-308		7 24	-8.1	-3.5	-6.3	-6.5	3.2	3.4	2	6.9	9.0	11.5	1.6	-7.2	-7.8	-8.1	31.3			
-314		7 44	1	-4.5	-7.5	-9	2	3.5	5.1	7.5	15.2	17.3	7.5	-2.5	-4.6	-6.1	31.3			
-315		7 46	-1.6	-7.0	-8.8	-2.8	-2.4	5.2	4.5	11.1	12.7	14.6	7.6	0	-1.3	-9	31.3			
-316		7 47	-2.4	-8.0	-9.1	-2.8	-3.3	4.2	2	5.8	9.9	11.2	2.3	-7.2	-8.7	-7.8	31.3			
-317		7 49	-1.4	-6.9	-9.2	-3.1	-1.4	3.9	4.1	8.7	12.0	12.3	3.1	-5.8	-7.5	-8.3	31.3			
-318		7 50	-4.3	-6.6	-9.5	-4.8	-1.8	1.4	5.0	6.2	15.7	14.7	8.4	-6	-3.7	-4.4	33.1			
-324		8 15	1.2	-5.9	-8.6	-3.5	-1.0	4.7	4.2	6.8	11.8	17.1	7.7	0	-1.7	-1.9	33.6			
-325		8 17	-2.7	-7.9	-8.7	-4.6	-1.3	6.6	4.4	4.7	8.0	8.1	2.7	-5.3	-5.3	-5.8	33.6			
-326		8 18	-2.5	-7.9	-8.4	-3.2	-1.3	4.7	3.0	8.3	13.6	16.7	6.2	-4.1	-6.2	-5.9	32.2			
-327		8 20	-2.6	-5.9	-8.5	-3.9	0	5.4	4.6	9.3	12.6	13.2	6.7	-4.0	-8.8	-9.2	31.3			
-328		8 22	-2.3	-2.3	-6.1	-2.7	4.6	2.6	9.4	8.5	13.2	16.0	5.8	-3.7	-6.5	-6.7	31.3			
-329		8 24	-3.8	-3.0	-6.3	-3.2	3.7	3.0	8.1	7.9	17.6	17.1	9.8	-6	-3.5	-3.3	33.1			
AA-106-336	16 DEC 80	7 51		10.4	13.4	15.9							27.6	26.6	23.8	18.6	29.1			
-337		7 53	6.4	7.5	8.8	11.3	12.5	15.1	22.3								32.2			
-338		7 56	6.6			11.3	14.0	15.8	18.8	24.0							37.1			
-339		8 7			14.1	13.9											32.2			
-340		8 9	8.5	10.4	10.9	12.0	15.2	20.3	23.2	25.6	29.8						26.4			
-341		8 11	11.0	12.9	14.1	16.4	19.9	20.8	26.7	29.8			33.1	30.2	28.9	25.0	35.3			
AA-106-360	17 DEC 80	13 42	-2	-1.2	-2.4	-1.8	.6	1.5	8.1	16.8	24.0	31.2	28.0	19.9	14.4	10.6	33.5			
-361		13 45	-1.6	-2.2	-3.1	-3.3	-.9	2.3	6.9	14.5	20.9	26.0	23.2	15.9	9.0	3.6	34.4			
-362		13 50	-1.7	-2.4	-3.5	-3.4	-1.1	2.9	11.1	16.2	17.9	24.7	25.8	19.1	15.0	10.8	32.2			
-363		13 54	-5.0	-6.3	-6.8	-6.0	-2.0	3.1	12.3	15.7	19.0	24.8	21.2	14.1	8.2	3.2	29.5			
-364		13 57	-2.2	-3.8	-5.2	-4.3	-.7	2.8	10.1	12.7	15.3	21.4	21.1	13.5	8.4	1.7	34.0			
-365		14 1	-1.9	-2.7	-4.0	-3.6	-1	2.4	11.9	16.2	20.3	26.7	25.6	20.5	13.4	9.2	34.0			
-366		14 6	-3.2	-3.0	-4.1	-3.3	-.8	2.2	10.3	16.3	21.5	28.4	28.3	19.9	11.2	5.9	33.4			
AA-106-391	09 JAN 81	14 38	-4.5	-2.6	5.6	10.2							11.3	8.5	4.4	-1	15.2			
-392		14 42	-2.2	1.0	9.8	10.3							6.6	2.7	-.3	-5.3	37.1			
-393		14 44	-3.9	-1.7	6.9	10.8							4.4	4.9	1.1	-2.4	41.1			
-394		14 45	-3.3	-1.4	7.2	10.2							15.5	11.6	7.7	3.2	37.1			
-395		14 47	-3.0	-1.0	7.6								13.1	9.1	6.4	1.6	35.3			
-396		14 49	-2.9	-.8	7.4	10.6							13.7	8.1	2.9	-.6	36.2			
-397		14 50	-3.1	-.9	7.1	10.9							10.0	6.3	4.0	-1.7	38.4			
-398		14 52	-2.8	-.1	8.9								8.1	4.4	1.9	-.8	42.4			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 2079 M

ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E74

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)													OSPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-104-304	01 OCT 80	7 17	-4.6	-5.4	-5.2	-6.0	-8.9	-8.8	-9.7										-6	-5.8
-305		7 19	-2.2	-2.9	-4.3	-8.0	-8.8	-8.4	-9.0										.5	-5.0
-306		7 21	-4.2	-4.9	-6.7	-7.1	-10.4	-10.8	-11.4	-14.3									-8	-7.6
-307		7 22	-8.5	-8.6	-8.8	-8.3	-11.6	-11.6	-12.2										-2.0	-8.1
-308		7 24	-3.8	-3.6	-4.4	-5.1	-7.4	-9.0											.2	-4.1
-314		7 44	-3.0	-6.1	-5.0	-4.6	-4.5	-8.6	-9.3										1.5	-4.3
-315		7 46	-1.7	-2.7	-4.8	-3.2	-4.1	-5.7	-5.4										2.7	-2.1
-316		7 47	-3.3	-6.1	-6.2	-4.6	-6.7	-10.4	-12.8										-4	-5.9
-317		7 49	-8.2	-6.1	-7.3	-6.1	-6.1	-9.1	-10.5										-4	-5.8
-318		7 50	-4.6	-6.4	-5.7	-5.9	-6.1	-8.7	-9.2										1.1	-4.5
-324		8 15	-4.0	-7.2	-5.8	-6.8	-10.8	-14.0	-11.5										.5	-6.3
-325		8 17	-6.1	-10.1	-12.4	-11.1	-11.0	-14.2	-14.5	-13.6									-2.5	-9.8
-326		8 18	-4.9	-9.6	-12.3	-10.3	-11.3	-14.1	-13.3										-1.6	-8.9
-327		8 20	-9.4	-10.2	-10.7	-10.6	-11.7	-13.6	-13.7	-14.1									-2.5	-9.8
-328		8 22	-3.2	-7.0	-10.6	-8.0	-8.4	-12.6	-12.1	-11.1									1.9	-7.7
-329		8 24	-8	-4.6	-7.2	-6.5	-7.5	-11.3	-10.9										1.9	-5.1
AA-106-336	16 DEC 80	7 51	16.4	14.3	13.4	12.7	5.8	-5.9	-37.6	-65.3									-40.4	-49.2
-337		7 53																	23.2	37.3
-338		7 56																	23.8	36.8
-339		8 7	23.0	21.1															31.0	29.7
-340		8 9	21.5	19.2	17.3	14.3	9.0												22.5	18.0
-341		8 11	21.1	19.2	17.5	14.5													24.9	22.2
AA-106-360	17 DEC 80	13 42	7.3	5.2	4.5	4.6	2.9	-1.7											9.7	6.9
-361		13 45	.1	-1	-8	.3	-3	-4.0											7.3	2.9
-362		13 50	7.8	4.9	4.0	3.0	.3	-7.8											8.6	3.4
-363		13 54	.2	-1.0	-5														7.5	6.2
-364		13 57	-4	-2.4	-2.7	-4.3	-4.6												6.6	1.0
-365		14 1	4.0	2.4	3.0	4.6	4.3												9.3	7.8
-366		14 6	3.8	3.1	3.9	6.1	6.6												9.2	8.6
AA-106-391	09 JAN 81	14 38	-6.2	-6.2	-6.9	-7.1													-1	-3.8
-392		14 42	-8.8	-8.0	-7.8	-7.5	-11.3												-2.9	-6.8
-393		14 44	-6.8	-8.2	-9.0	-9.2	-13.5	-23.2											-7.8	-12.8
-394		14 45	-2.6	-3.7	-3.8	-5.4	-9.8												.3	-4.0
-395		14 47	-2.3	-3.9	-4.6	-5.0	-10.3												.4	-4.1
-396		14 49	-4.3	-6.4	-7.1	-7.4	-12.1												-2.2	-6.4
-397		14 50	-6.8	-8.9	-9.1	-9.0	-14.0												-3.8	-8.1
-398		14 52	-6.1	-8.4	-9.2	-8.4	-16.6												-5.0	-9.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE 075

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-106-403	13 JAN 81	8 23	-4.5	1.6	6.5	10.5	15.5	22.3	23.4	19.4	16.2	10.0	3.8	1.2	-1.4	-2.9	35.3			
-405		8 26	-7.0	.0	6.9	11.1	15.2	18.7	20.8	18.0	15.2	9.0	3.0	-.6	-3.4	-6.9	30.5			
-410		8 27	-6.2		7.4	11.0	16.0	19.9	21.2	17.7	12.5	6.1	.8	-2.2	-4.2	-6.5	32.3			
-411		8 45	-7.6	-.3	5.6	10.5	16.2	16.8	13.0	10.3	7.6	2.1	-3.5	-4.9	-8.0	-9.1	35.4			
-412		8 47	-5.7	.6	6.3	10.0	15.7	19.1	15.1	14.5	8.6	1.7	.4	-3.6	-5.5	36.3				
-418		8 50	-7.3	.1	6.1	10.5	16.4	16.8	15.4	12.6	9.8	4.1	-.3	-3.6	-7.1	-9.5	38.5			
-419		13 31	-2.0	2.0	10.6	13.0				20.4	19.1	5.7	2.2	1.5	35.3					
-420		13 35	-2.4	1.0	9.5	12.9	18.5	24.6	28.3	27.5	26.7	21.3	16.2	12.1	7.3	3.6	35.3			
-421		13 37	.1	2.7	10.5	15.2				25.8	21.8	15.1	11.9	7.4	3.3	10.3				
-422		13 39	-2.5	1.4	10.1	12.6	17.9	25.1	27.4	24.0	17.6	11.3	6.3	5.2	5.1	34.4				
-423		13 40	-2.2	1.7	10.0	13.4				25.5	27.4	26.6	25.6	20.0	1.3	-1	35.3			
-429		13 42	-2.7	1.1	8.6	11.8				27.6	15.9	10.2	6.6	4.1	38.5					
AA-106-429	15 JAN 81	8 33	-2.5	-1.6	6.2	16.1					24.1	21.5	18.7	15.2	35.3					
-430		8 34	-2.7	-1.8	6.0	16.5					24.6	22.4	21.0	19.2	30.9					
-431		8 36	-2.7	-1.5	7.0	16.5	20.5				25.3	22.9	21.0	17.4	35.3					
-432		8 37	-3.1	-2.2	6.5						25.7	21.3	20.8	20.3	34.4					
-433		8 39	-2.7	-1.5	6.9				21.1	16.3	14.2	16.8	17.4	18.9	18.4	17.9	35.3			
AA-106-438	03 FEB 81	9 38	-6.2	-6.7	-3.9	-9	4.8	8.2	8.8	9.8	13.2	12.4	.5	-7.8	-8.3	-8.4	35.7			
-439		9 43	-5.2	-7.3	-5.0	-1.2	8.3	12.1	15.0	16.1	17.8	16.3	4.7	-5.0	-6.7	-6.9	35.3			
-440		9 48	-3.8	-5.8	-2.7	4.0	7.3	11.0	15.1	17.7	19.6	14.9	5.0	-6.7	-7.6	-6.6	20.8			
AA-106-446	04 FEB 81	8 38	-6.6	-8.2	-6.4	-1.7	9.1	11.3	14.0	17.2	18.7	16.1	4.4	-4.7	-6.3	-9.0	38.0			
-447		8 40	-5.1	-6.8	-4.8	-.4	9.3	15.0	18.4	16.9	17.9	17.1	6.7	-3.3	-6.0	-7.3	37.1			
-448		8 41	-5.7	-7.8	-6.4	-1.5	9.9	14.8	17.1	16.2	19.0	16.7	3.4	-5.3	-7.8	-9.1	37.6			
-449		8 43	-6.6	-8.3	-6.8	-2.7	5.2	9.5	14.6	15.8	18.2	16.2	4.9	-4.2	-7.1	-9.5	37.1			
AA-106-455	12 FEB 81	13 56	-3.1	-4.9	-4.7	-2.3	8.4	13.0	20.9	24.3	27.8	24.8	18.6	8.9	6.5	5.8	34.4			
-456		13 58	.1	-2.3	-2.3	.1	11.0	16.7	26.5	28.4	32.5	29.7	22.3	13.4	12.4	10.2	34.4			
-457		14 1	-3.7	-5.5	-5.6	-2.2	8.1	15.0	23.0				8.1	4.4	34.0					
-458		14 6	-1.6	-3.9	-3.6	-1.0	10.6	14.8			22.5			9.1	8.2	33.1				
AA-106-464	25 FEB 81	8 33	5.8	5.9	5.4	6.0	7.8	7.5	11.8	17.7	24.5			27.1	25.6	21.2	31.3			
-465		8 34	6.4	6.4	6.6	7.3	9.7	9.8	14.8	20.2	25.7			27.2	22.6	22.6	33.5			
-466		8 36	5.7	5.5	5.0	5.1	7.6	7.1	12.6	18.6	26.0			28.4	26.2	22.0	33.5			
-467		8 37	7.3	7.3	8.5	9.5	10.6	10.4	14.6	20.6	27.3			27.2	23.0	35.3				
-468		8 39	4.1	5.3	5.8	6.2	7.7	7.3	11.8	17.6	26.2	30.2		27.5	25.6	21.5	33.1			
-474		13 16	6.4	4.9	3.9	3.8	6.1	6.3	10.2	14.4	20.4	27.6	24.9	22.3	22.3	19.4	35.3			
-475		13 18	2.0	1.4	1.4	3.1	7.4	6.9	12.7	15.9	20.8	25.1	25.2	21.4	21.6	18.6	33.5			
-476		13 19	3.0	2.3	1.5	2.0	3.4	2.2	6.4	10.6	17.4	25.3	24.1	20.9	20.5	18.5	34.9			
-477		13 26	3.6	4.0	3.6	4.8	7.0	8.6	12.4	16.4	21.2	26.3	25.1	21.4	20.5	16.9	35.3			
-478		13 29	6.0	5.8	5.1	5.9	8.3	8.0	11.2	15.4	22.5	27.5	26.1	22.3	21.9	18.8	34.4			



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE E75

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	8 23	-5.1	-7.6	-8.5	-7.4	-13.6									-9	-7.3
-405		8 26	-7.1	-10.1	-11.3	-10.6	-18.6									-4.2	-10.6
-406		8 27	-8.6	-11.6	-11.6	-10.6	-18.6	-30.0								-12.9	-20.3
-410		8 45	-10.8	-13.8	-14.6	-13.8	-21.0	-35.8								-18.3	-25.6
-411		8 47	-6.0	-8.1	-8.9	-8.3	-13.6									-2.3	-8.0
-412		8 50	-12.3	-14.6	-15.2	-14.2	-22.3									-9.0	-15.4
-418		13 31	-1.4	-3.9	-4.7	-5.3	-10.3									1.0	-3.9
-419		13 35	1.4	0	1.9	-6	-4.0									5.6	8
-420		13 37	2.5	-1	4.6	-7.0	-8.6									2.5	-3.0
-421		13 39	1.3	.1	1.2	1.0	-4.3									6.2	1.1
-422		13 40	-1.8	-4.5	-6.5	-6.5	-9.1									1.7	-3.7
-423		13 42	2.1	-1.3	-4.1	-5.2	-8.4									3.6	-2.0
AA-106-429	15 JAN 81	8 33	10.2	7.6	3.9	-3	-5.7	-12.8								1.4	-2.8
-430		8 34	14.5	12.4	9.2	6.3	.7	-7.1								7.1	3.1
-431		8 36	12.3	7.8	2.9	-2.9	-9.8	-17.1								-2.4	-6.8
-432		8 37	14.6	11.4	6.9	1.0	-6.4	-15.0								.2	-4.1
-433		8 39	14.3	10.1	6.5	1.9	-6.3	-16.0								-1.6	-5.1
AA-106-438	03 FEB 81	9 38	-7.2	-2.6	1.6	6.7	10.6	11.2								.5	-2.8
-439		9 43	-6.7	-2.6	1.7	5.7										2.5	-1.2
-440		9 48	-6.7	-4.9	1.3	6.4										1.9	-2.1
AA-106-446	04 FEB 81	8 38	-9.1	-8.2	-7.3	-4.2	-1.7	-2.9								.0	-5.1
-447		8 40	-8.4	-7.0	-4.7	-1.2										1.2	-3.3
-448		8 41	-9.3	-7.7	-7.2	-5.0										-1.5	-4.9
-449		8 43	-10.0	-8.2	-6.3	-3.9	-2.7									-1.2	-5.0
AA-106-455	12 FEB 81	13 56	2.9	.6	-1.1	-3.3										8.1	3.3
-456		13 58	7.7	5.4	2.9	1.9										11.3	7.3
-457		14 1	.5	-1.7	-1.8	-1.6										8.1	2.9
-458		14 6	6.2	3.5												11.5	11.7
AA-106-464	25 FEB 81	8 33	15.9	11.0	7.6	5.7	-1.3									14.2	9.2
-465		8 34	16.9	11.7	8.7	7.2	2.1									16.3	11.3
-466		8 36	16.2	11.6	9.1	7.2	1.8	-7.0								12.1	4.9
-467		8 37	17.3	12.6	9.8	8.3	2.8									17.0	11.9
-468		8 39	15.9	12.3	9.0	7.1	1.4	-7.5								11.2	4.3
-474		13 16	14.7	10.9	8.3	7.7	5.0	.4								13.1	10.4
-475		13 18	13.3	8.9	6.6	5.8	2.3	-2.8								12.7	7.5
-476		13 19	11.5	6.6	3.2	1.3	-2.7	-8.4								8.3	2.7
-477		13 26	12.8	9.4	6.5	5.5	2.3	-2.2								13.4	8.5
-478		13 29	14.0	10.0	7.0	6.1	3.7	-1.7								13.7	9.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)

LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE D76

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	2.4	.8	.3	-4	1.7	1.9	9.0	15.6	22.0	33.5	35.2	28.8	24.8	19.8	34.4
-486		7 31	2.4	.8	-.5	-1.0	.8	.9	8.7	16.6	24.6	33.9	33.7	27.9	21.8	15.2	35.7
-487		7 32	1.8	.4	-.8	-1.4	.4	1.2	8.2	15.2	21.5	32.7	33.0	26.3	19.4	12.2	35.3
-488		7 34	2.3	.7	.0	-1.0	.9	1.0	7.5	14.1	21.7	32.8	34.4	28.3	23.5	18.5	34.4
-491		7 51	5.6	7.4	9.4			16.6	21.5	30.7			36.0	26.8	26.0	35.3	37.5
-492		7 53		8.5	9.3	8.7	13.3	14.1	19.0	30.6			35.8	27.1	25.6		

ESA STATISTICS:

MINIMUM	( -8.5	-10.0	-9.6	-8.0	-7.3	-7.0	-6.5	-4.3	2.5	2.1	-3.6	-12.7	-13.8	-11.5	10.3
MAXIMUM	( 11.8	13.4	14.6	16.5	20.5	25.5	31.1	35.0	37.1	35.5	40.6	30.2	33.3	31.4	45.2
AVERAGE	( .3	1.0	2.1	4.5	7.2	11.0	14.9	17.8	21.3	20.9	18.7	11.0	10.6	8.5	32.5
STANDARD DEVIATION	( 5.3	6.0	6.8	7.0	6.5	6.7	7.5	7.6	7.4	7.6	11.3	11.4	12.6	12.2	4.0
NUMBER OF DATA POINTS	( 154	169	175	169	152	159	152	141	150	122	142	142	161	166	177

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 2079 M  
 DATE 02 FEB 87  
 PAGE E76

PARAMETERS:  
 ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	11.6	5.5	.8	-1.6	-2.8	-5.2								8.9	3.2
-486		7 31	6.9	1.6	-1.4	-5.0	-7.5	-10.4								5.9	-1.9
-487		7 32	4.0	-1.3	-3.8	-7.7	-10.2	-13.4								4.6	-3.6
-488		7 34	11.9	8.3	6.8	2.4	-.9	-5.6								6.8	5.1
-491		7 51														24.3	32.7
-492		7 53														21.5	31.8

ESA STATISTICS:

MINIMUM	( -12.3	-14.6	-15.2	-14.2	-22.3	-35.8	-20.6	-37.6	-65.3
MAXIMUM	( 30.1	28.5	26.1	26.9	26.0	20.8	-1.4	-7.0	-28.1
AVERAGE	( 6.6	4.4	2.8	2.8	.4	-2.6	-9.5	-17.1	-42.6
STANDARD DEVIATION	( 11.0	10.0	9.1	9.2	10.1	9.7	4.8	8.2	19.9
NUMBER OF DATA POINTS	( 166	163	159	158	144	111	34	11	3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081  
 PARAMETERS:  
 DATABASE:  
 DISTANCE 2087 M  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE D77

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)		
			25	31	40	50	63	80	100	125	160	200	250	315	400	500					
AA-101-034	29 NOV 79	11 1									24.8	25.5	26.2	27.4	26.0	21.3	18.7	17.5	20.1		
AA-101-036	06 DEC 79	11 14	3.4	2.3	5.0	5.9	7.5	14.0	20.9	29.2											
-037	15 15	10.0	10.4	13.3							16.6	21.6	22.1	24.4	29.5	28.7	23.8	21.7	21.5		
AA-101-039	12 DEC 79	11 18	4.3	3.1	2.7	2.9	4.3	6.5	12.1	17.0	20.5										
-040	13 10	.7	.8	.5	1.9						25.9					30.9	24.3	18.9	15.5		
AA-101-041	13 DEC 79	11 30	4.1	3.8	3.7	5.4	6.0	7.8	14.1	18.4	20.6	23.5	25.8	21.9	18.1	14.3				30.0	
AA-101-043	14 DEC 79	12 6	-1.6	-1.5	-2.0	-1	3.0	4.1	7.7	12.3	16.8	25.4	26.7	22.0	18.0	16.3				23.8	
AA-101-044	23 JAN 80	11 54																		25.5	
AA-101-047	29 JAN 80	11 42	11.3	12.3	16.6	17.3	19.2	20.6													
-049	13 27	12.2	16.5	20.4	21.2						23.0	27.0	26.1	22.0	18.2	17.1	17.4				39.7
AA-101-055	13 FEB 80	11 53	11.6	12.9	15.3	20.9	23.5	27.9	31.3	35.1	33.0	30.1	27.6	25.4	26.6					39.0	
-056	12 4									34.7	35.0	32.2	28.7	26.5	28.2	24.6				24.6	
AA-101-065	20 FEB 80	11 19	6.0	7.3	7.7	9.7	13.2	11.3	12.6	14.1	18.5	27.6	31.9	34.4	35.3	35.2				28.7	
AA-101-068	21 FEB 80	14 10	-5.8	-3.7	-5.4	-5.8	-9.0	-6.9	-5.1	-1.1	8.7	13.6	16.1	16.8	14.6					29.9	
-069	14 13	-3.4	-1.0	-2.9	-4.1	-5.1	-6.6	-6.2	-4.6	1.5	15.5	19.9	21.2	22.1	18.5	29.5				29.5	
AA-101-073	27 FEB 80	11 57																		17.0	
AA-101-074	01 APR 80	11 9	13.5	13.8	17.1	21.4	20.0	27.2	30.9	32.4	36.6	37.2	34.5	32.8	31.8					49.7	
-075	11 22	7.9	10.8	12.6	14.6	18.9	17.1	21.4	26.1	30.3	36.3	37.3	33.1	30.1	27.7	33.5				33.5	
AA-101-076	03 APR 80	11 17	2.4	5.0	5.1	4.6	9.1	12.8	18.7	23.8											
-077	14 12	1.5	.5	-1.3	-1.4	1.3	1.4	8.8	15.9	23.0	31.2	32.5	27.5	25.0	21.3	30.4				38.9	
AA-101-080	10 APR 80	9 39																		19.3	
-081	10 47																			26.9	
-082	11 47																			31.3	
-083	12 3																			34.0	
AA-101-087	11 APR 80	10 51	6.0	8.1	8.4	12.7	15.8	18.2	19.0	22.8	25.3	28.9	29.2	27.5	25.2	23.6				29.5	
AA-101-088	16 APR 80	10 4	4.6	5.6	4.1	4.3	8.0	10.4	15.1	21.1	26.3	31.8	33.4	29.6	24.5	19.6				29.6	
AA-101-089	17 APR 80	11 23	8.8	9.2	8.8	11.3	15.6	15.7	21.3	24.7	26.2	31.4	31.8	29.7	27.5	26.2				27.3	
AA-101-096	08 MAY 80	10 26	.5	-1	.9	3.6	5.3	10.7	17.6	24.0											
																				15.2	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-DB1

DATABASE:  
 DISTANCE 2087 M

DATE 02 FEB 87  
 PAGE E77

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
		START TIME	630	800	1000	1250	1600	2000	2500	3150	4000	5000			6300	8000	10000
AA-101-034	29 NOV 79	11 1	14.6	12.6	10.4	6.4										19.2	13.5
AA-101-036	06 DEC 79	11 14	22.2	17.4	12.5	9.3	7.0	4.4								14.2	15.0
-037		15 15	17.8	15.3	12.9	11.3	8.9	5.7	2.2							17.8	12.8
AA-101-039	12 DEC 79	11 18	16.3	11.7												7.6	17.0
-040		13 10	11.4	8.1	4.2	1.7	.3	-1.7								11.5	7.1
AA-101-041	13 DEC 79	11 30	9.3	5.1	.4											8.9	12.2
AA-101-043	14 DEC 79	12 6	13.1	7.8	3.8	1.4										10.0	10.3
AA-101-044	23 JAN 80	11 54															
AA-101-047	29 JAN 80	11 42	14.0	10.3	6.1											18.0	14.6
-049		13 27	14.9	11.0	8.0	.6										16.7	11.5
AA-101-055	13 FEB 80	11 53	25.2	22.6	21.7											25.3	26.6
-056		12 4	26.6	24.6	23.2											30.1	28.0
AA-101-065	20 FEB 80	11 19	32.3	27.2	22.6	20.0	18.6	15.5								18.4	24.5
AA-101-068	21 FEB 80	14 10	8.6	4.5	2.3	.8	-1.5	-2.8								-1.4	3.4
-069		14 13	12.4	9.8	7.9	6.7	3.2	.8								1.1	9.1
AA-101-073	27 FEB 80	11 57	10.5	8.1	6.9	3.4										15.4	10.3
AA-101-074	01 APR 80	11 3	30.7	27.8	25.6	23.7	22.9									27.6	28.4
-075		11 22	26.2	22.9	20.4	18.3	19.0									22.9	24.3
AA-101-076	03 APR 80	11 17														15.1	25.4
-077		14 12	16.8	9.9	4.3	2.1	1.5	-.5								11.4	9.2
AA-101-080	10 APR 80	9 39	20.8	19.1	17.0	16.0	15.5									24.6	20.1
-081		10 47	14.8	13.2	11.3	9.9	9.5	7.9								18.1	13.2
-082		11 47	19.2	17.3	15.2	14.0	13.9									21.1	18.0
-083		12 3	12.7	14.5	13.8											16.1	15.2
AA-101-087	11 APR 80	10 51	22.2	19.8	16.2	14.3	13.3	10.7								20.2	18.3
AA-101-088	16 APR 80	10 4	14.5													14.6	23.4
AA-101-089	17 APR 80	11 23	25.4	23.4	20.9	19.2										21.7	24.4
AA-101-096	08 MAY 80	10 26														7.5	16.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-008-081  
 DATABASE:  
 DISTANCE 2087 M  
 DATE 02 FEB 87  
 PAGE D78

TEST NO.	DATE	START TIME (HR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-098	09 MAY 80	10 40	9.0	12.3						27.7	30.4	30.8	28.8	25.6	24.0	21.9	34.4
AA-103-101	09 SEP 80	7 10	1.2	3.2	1.7	4.3	7.3	11.8	19.3	27.6	32.6	32.2	22.1	18.3	14.2		29.1
-103		7 24	3.2	3.3	2.0	3.5	6.9	11.7	20.5	28.2	32.9	34.9	28.6	19.9	18.6	14.8	29.6
-105		7 35	3.8	4.8	2.9	5.0	7.5	12.3	20.1	29.3	38.0	37.7	30.7	25.3	21.9	10.3	32.2
-107		7 45	3.9	5.4	4.2	5.6	8.2	11.8	17.6	29.1	38.1	38.6	32.8	22.2	19.4	19.3	34.5
-109		7 55	5.0	4.4	4.4	5.6	8.4	11.6	18.3	28.3	36.5	38.0	30.2	21.1	20.6	13.3	30.0
-112		12 58								35.7							29.5
-114		13 10							27.9	29.9	33.1						32.2
-116		13 23							28.4								30.4
-118		13 37				18.9			28.3	30.2	33.3						32.7
-120		13 53							28.6			33.7	31.4	26.9	27.6	27.1	29.5
-122		14 8						22.2	25.2	28.3	31.3	32.7	30.5	25.7	26.2	25.8	28.2
AA-103-125	10 SEP 80	6 58	-5.5	-6.0	-7.8	-6.8	-3.9	.1	6.2	10.8	13.9	18.8	11.9	3.6	2.3	-2	30.4
-127		7 11	-5.4	-5.5	-6.5	-4.3	-1.4	1.1	5.4	9.5	14.6	19.8	13.1	5.6	2.8	-1	24.6
-129		7 22	-4.1	-5.0	-6.9	-5.6	-2.8	1.8	7.3	9.0	13.5	19.3	14.3	6.3	4.4	.5	29.5
-131		7 33	-3.4	-3.1	-4.7	-4.4	-2.3	1.6	8.9	14.7	17.1	21.5	16.0	7.4	5.3	2.2	28.6
-133		7 44	-5.2	-4.0	-4.8	-3.6	-1.8	1.8	7.3	12.3	15.9	20.0	15.4	6.8	5.0	3.2	29.1
-135		13 0	.8	1.8	.8	2.4	5.6	6.0	9.5	14.7	24.6	30.7	31.7	23.4	22.3	19.0	29.6
-137		13 10	1.6	2.0	.2	-2.2	1.3	3.1	6.7	10.2	19.2	28.8	28.4	19.5	17.0	12.8	30.5
-139		13 19	2.1	3.7	2.6	4.2	6.3	7.0	10.8	14.5	23.1	33.0	32.6	27.8	25.7	21.3	30.4
-141		13 29	4.2	4.3	3.3	4.1	6.4	8.1	13.0	16.8	23.5	30.4	32.3	25.4	24.0	20.6	30.4
-143		13 44	5.9	5.2	5.0	5.0	6.9	8.7	10.3	13.0	23.0	31.9	32.2	25.0	23.0	19.8	29.1
AA-103-145	16 SEP 80	7 19	2.6	3.9	2.7	4.3	8.0	12.3	21.2	35.3	40.9	43.5	38.5	30.0	26.7	20.6	36.2
-147		7 34	.5	.6	-7.7	.6	3.9	8.7	17.4	26.9	35.1	38.7	32.8	21.1	16.3	11.3	32.2
-149		7 47	2.9	3.2	1.5	2.5	4.3	8.1	15.6	27.4	38.1	40.7	35.4	25.4	22.6	17.5	29.5
-151		8 0	4.1	6.5	5.8	7.0	9.3	12.7	19.4	28.9	37.3	41.9	37.6	30.3	28.8	27.4	30.4
-153		8 12	4.5	6.2	4.4	5.0	6.1	10.2	16.5	24.5	33.8	35.4	35.4	29.9	29.2	28.2	29.5
-155		13 12	8.4		13.3	15.0		25.0	28.7	33.0	37.7	41.0	37.8	31.7	33.4	31.5	29.5
-158		13 49		11.3	11.6	15.0		23.9	28.6	33.6	37.4	40.1	36.6	30.7	31.4	29.8	32.2
-159		13 51							27.8	32.2	37.9	41.3	37.2	31.3	32.4	31.1	31.3
-160		13 54									39.0	35.8	30.8	31.7	30.0		32.2
AA-103-164	17 SEP 80	7 5							38.4	41.1	44.7	44.0	44.0	40.2	41.6	39.9	29.0
-165		7 12							37.6	42.3	45.8	44.7	44.7	43.5	41.9		36.6
-166		7 20							42.9	45.6	44.5	44.5	41.3	42.3	40.7		31.9
-170		7 44															35.8
-171		7 47															32.6
-175		13 12	7.5	7.5	7.0	7.1	9.2	13.3	18.5	23.7	31.3	37.1	32.2	26.6	25.8	22.5	29.5
-176		13 22	5.3	5.7	4.5	4.1	6.9	11.7	17.6	23.4	28.3	33.8	29.2	21.8	19.6	17.4	29.5
-177		13 24	7.1	6.0	4.6	5.0	7.4	11.4	16.4	22.8	31.6	37.2	31.3	23.7	22.1	19.3	19.6
-178		13 28	7.0	6.8	5.3	6.1	8.9	12.2	17.4	23.8	30.0	38.0	36.1	27.7	24.9	20.9	35.3
-179		13 34	6.0	5.5	3.9	4.4	6.4	9.5	15.4	20.5	29.5	37.4	31.1	24.6	23.0	19.9	29.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 2087 M

DATE 02 FEB 87  
 PAGE E78

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-098	09 MAY 80	10 40		19.9	16.6	13.8	10.9	8.9									21.5	16.8
AA-103-101	09 SEP 80	7 10		10.4	11.3	1.4	1.0	.7	-3.7								10.7	5.9
-103		7 24		11.0	6.7	2.6	1.1	6.4	1.2								13.1	8.1
-105		7 35		4.7	-1.0	-1.0	-1.1	-5	-9								9.6	4.0
-107		7 45		6.8	3.5	-1.0	-3.5	-4.3	-7.2	-3.9							8.5	1.9
-109		7 55		6.0	3.9	.3	-1.0	-4.8	-7.2	-9.5	-14.1						4.6	-2.4
-112		12 58		27.9													35.4	34.2
-114		13 10			24.4												32.4	32.3
-116		13 23		26.0	24.8												32.9	31.3
-118		13 37		25.2	23.2												30.7	29.9
-120		13 53		24.9	23.5												30.7	29.2
-122		14 8		23.6	22.7												28.0	28.2
AA-103-125	10 SEP 80	6 58		-3.3	-4.5	-6.8	-7.9	-8.4	-12.1								1.1	-3.7
-127		7 11		-2.6	-2.6	-4.7	-7.7	-9.5	-11.3								2.2	-2.7
-129		7 22		-3.0	-4.3	-5.5	-6.2	-7.4	-10.7								1.6	-2.7
-131		7 33		.1	.4	-1.7	-3.8	-5.8	-8.3								4.2	-1.1
-133		7 44		.1	-1.8	-4.5	-6.1	-7.5	-10.5								3.2	-1.8
-135		13 0		15.1	11.9	6.6	4.6	2.8	.4								12.8	9.5
-137		13 10		9.1	6.2	3.1	.5	-1.4	-5.7								8.4	4.4
-139		13 19		17.7	14.3	10.1	7.4	4.5	1.0								14.2	11.4
-141		13 29		16.5	12.1	7.1	4.0	3.2	.1								14.3	10.1
-143		13 44		15.7	12.4	7.8	4.3	1.4	-.8								13.3	9.2
AA-103-145	16 SEP 80	7 19		19.2	21.1	19.6		17.3									19.6	23.2
-147		7 34		5.6	3.3	.6	2.6	3.9	.9								11.2	7.1
-149		7 47		10.0	6.5	4.0	5.7	3.8	-.6								12.8	8.8
-151		8 0		24.5	22.3	18.6	15.8	13.1	10.4								20.0	20.1
-153		8 12		25.9	24.4	21.6	18.4	15.4	11.1								18.2	21.6
-155		13 12		29.6	28.0												30.6	33.3
-158		13 49		28.1	27.2	24.5											29.2	30.2
-159		13 51		29.5	28.4												33.4	33.5
-160		13 54		28.8	27.4												32.7	32.5
AA-103-164	17 SEP 80	7 5		38.6													42.1	43.6
-165		7 12															43.7	47.8
-166		7 20		39.4													44.4	44.6
-170		7 44																
-171		7 47		36.9	33.7												40.3	39.9
-175		13 12		19.3	15.9	12.9	10.9	10.1	9.5								19.1	16.8
-176		13 22		13.9	10.9	10.0	9.5	9.2	8.4								16.1	13.8
-177		13 24		15.1	12.4	11.6	12.0	11.0	8.5								16.7	15.0
-178		13 28		16.0	12.9	11.2	11.4	11.5	9.4								17.6	15.4
-179		13 34		15.9	13.3	12.0	11.2	9.3	7.4								16.0	14.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION: OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 2087 M  
 DATE 02 FEB 87  
 PAGE D79

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-198	19 SEP 80	7 1	1.1	-1.7	-4.2	-1.6	1.1	7.3	9.5	11.9	11.2	21.5	18.6	10.6	8.2	5.5	31.3		
-199		7 3	.5	1.5	-1.5	-1.0	2.8	8.5	13.0	13.4	16.9	20.7	17.8	7.5	6.6	4.1	29.5		
-192		7 21	-5.1	-5.2	-7.4	-6.4	-3.1	4.6	8.7	9.7	14.0	19.0	14.1	8.4	5.3	3.4	29.6		
-193		7 23	-4.8	-5.1	-7.4	-6.5	-1.9	5.2	8.5	16.1	16.9	21.3	17.7	7.5	6.5	3.3	31.4		
-194		7 25	-6.4	-6.9	-8.7	-7.5	-4.6	1.9	10.1	15.6	17.7	14.7	8.2	1.7	2.2	.1	30.5		
-200		7 52	-5.1	-7.1	-8.1	-3.6	2.4	3.6	6.9	11.2	16.2	20.8	18.2	7.9	7.3	7.8	28.2		
-201		7 54	-5.4	-6.7	-7.4	-2.8	2.1	4.3	10.9	12.6	14.9	21.4	18.1	11.9	10.8	7.8	29.6		
-202		7 56	-5.7	-6.6	-6.2	-2.6	1.2	3.1	14.1	17.2	15.1	20.4	18.2	8.6	7.9	4.7	29.5		
-203		7 58	-5.5	-6.4	-6.1	-2.7	-3	2.0	14.2	12.7	13.7	18.6	19.9	9.8	10.2	5.3	29.5		
-204		8 0	-6.9	-5.8	-6.5	-5.4	1.1	7.6	10.6	11.6	9.9	13.9	10.0	4.0	-1.3	-4.1	22.9		
-205		8 2	-6.3	-6.2	-6.6	-5.8	-1.2	10.2	13.5	14.5	11.8	15.3	13.6	9.1	-6	1.4	29.6		
-206		8 14	-3.7	-2.2	-1.3	-4.2	.8	4.2	9.9	14.7	21.5	24.2	18.8	10.4	10.0	8.3	32.7		
-207		12 53	6.5	5.4	4.3	5.0	7.3	7.1	11.6	17.4	24.2	33.1	31.4	24.6	24.5	21.6	30.9		
-208		12 55	2.6	2.6	2.8	3.2	6.2	7.7	10.7	15.7	24.5	31.1	30.1	24.0	23.2	20.3	31.8		
-209		12 57	6.0	4.8	3.7	3.7	4.0	5.2	9.7	14.1	20.5	27.9	24.0	23.7	20.1	31.3	29.5		
-210		12 59	3.6	3.7	3.1	3.8	5.2	6.7	11.3	13.9	19.6	28.7	30.3	24.0	23.6	20.9	29.5		
AA-103-214	23 SEP 80	7 8	.2	.3	-.9	-.2	2.7	6.9	13.1	20.0	25.8	28.3	24.6	19.6	16.5	13.2	32.3		
-215		7 10	.4	.2	-1.7	-.4	3.2	7.8	13.7	19.1	24.7	29.3	25.4	19.6	16.2	12.7	30.5		
-216		7 12	-3.0	-1.6	-3.3	-2.0	1.5	7.9	13.9	17.5	20.8	24.0	19.1	15.7	13.0	10.9	29.6		
-220		7 33	-.9	.1	-1.4	.3	3.9	8.2	13.8	26.4	30.2	26.1	21.6	19.0	16.0	27.8	29.6		
-221		7 35	.6	.6	-.6	-.5	2.3	6.7	14.3	17.3	22.5	25.4	25.4	19.1	16.0	13.1	28.7		
AA-103-235	24 SEP 80	6 59	-7.0	-6.3	-7.2	-4.5	1.1	6.4	10.9	10.4	12.7	15.4	13.1	5.7	7.1	4.2	30.4		
-236		7 1	-5.2	-4.3	-4.4	1.1	9.8	7.8	11.4	12.6	13.7	19.7	13.6	3.0	2.7	1.3	30.4		
-237		7 3	-5.5	-4.3	-4.7	-.8	7.3	11.3	14.7	16.1	21.0	24.5	17.7	8.0	5.4	1.8	32.7		
-238		7 4	-5.9	-4.6	-5.1	-1.4	5.2	8.5	11.3	10.2	14.6	18.8	16.7	11.2	9.8	4.6	25.9		
-243		7 24	-6.4	-6.0	-7.7	-5.9	-2.4	2.0	6.5	4.4	9.0	17.7	11.6	2.2	-.6	-3.4	31.8		
-244		7 26	-6.4	-6.1	-7.6	-5.3	-1.2	3.4	9.5	8.7	12.7	18.0	10.6	1.5	-1.1	-2.1	31.8		
-245		7 27	-5.0	-4.5	-5.2	-3.0	2.3	6.7	11.2	12.1	18.3	25.9	18.5	10.0	9.1	7.1	31.8		
-246		7 29	-6.4	-5.2	-4.5	.8	7.3	7.7	9.2	9.1	12.9	20.0	11.6	1.7	-.2	-.6	31.3		
-247		7 31	-5.4	-4.3	-4.1	1.1	7.4	7.4	9.2	8.0	11.2	19.8	11.0	1.5	-.2	-1.4	29.5		
-248		7 32	-6.4	-4.3	-4.4	1.2	10.1	12.9	13.1	10.6	16.8	24.1	16.8	8.3	8.3	5.4	23.7		
-257		15 0	5.7	4.7	6.8	7.2	10.7	12.5	19.2	25.6	32.8	38.4	34.8	29.4	28.6	25.0	31.8		
-258		15 1	4.5	6.7	6.2	7.2	10.7	15.7	24.4	26.1	33.1	32.9	33.4	27.9	27.3	24.9	31.3		
-259		15 3	1.2	2.8	2.0	2.7	4.8	6.2	11.9	19.2	29.8	35.9	32.9	25.5	25.0	20.9	31.3		
-260		15 4	2.6	5.2	4.7	7.0	9.8	9.4	14.0	20.7	32.2	37.2	34.0	28.3	27.9	24.4	31.8		
-261		15 6	5.1	8.3	7.5	10.3	13.4	17.1	23.1	26.2	33.8	38.8	35.6	30.6	30.2	26.9	31.8		





TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B08-081

DATABASE:  
 DISTANCE 2087 M

ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE 080

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																		SAMPLE DURATION (SEC)		
			25	31	40	50	63	80	100	125	160	200	250	315	400	500							
AA-103-267	25 SEP 80	7 10	-1.3	-1.6	-2.7	-1.4	1.5	4.2	10.3	18.0	29.1	36.6	34.5	24.1	21.3	17.5	31.3						
-268		7 14	-0.3	0	-0.4	1.3	3.3	6.3	12.8	23.2	35.8	42.4	37.2	28.7	26.2	25.2	30.5						
-269		7 17	0.7	1.9	1.5	2.4	5.1	9.5	16.6	23.5	32.2	40.7	39.0	31.2	29.5	26.7	32.7						
-270		7 19	1.9	3.0	2.8	4.1	6.4	10.0	17.5	25.7	36.6	42.6	39.1	32.3	31.1	28.3	31.8						
-271		7 22	1.7	1.5	.7	3.6	6.0	9.8	17.2	26.5	37.6	42.3	36.5	29.7	29.7	26.4	31.3						
-277		7 50	5.4	4.2	2.5	4.1	5.5	8.6	14.5	23.6	38.6	41.8	40.2	33.0	31.8	29.4	22.8						
-278		7 51	5.8	6.5	6.1	6.8	9.6	13.0	19.9	28.8	39.1	45.5	41.1	34.3	33.5	30.4	30.8						
AA-103-281	30 SEP 80	14 15	5.8	6.8	8.3	10.7	12.2	15.9	22.0	26.3	30.5	30.6	25.2	23.7	23.0	31.3							
-282		14 17	7.3	7.0	11.5	12.4	11.5	12.4	23.3	26.3	30.7	33.1	30.0	29.7	21.9	21.5	31.7						
-283		14 19	4.9	6.5	5.7	6.9	9.7	13.6	19.6	26.0	31.5	34.3	33.1	28.7	27.1	25.7	31.9						
-284		14 21	6.5	9.1	9.5	13.0	16.1	21.8	26.7	30.1	31.8	35.0	35.1	31.1	30.0	28.8	31.7						
-292		14 47	5.2	7.5	7.9	10.1	13.7	16.3	22.5	25.5	29.6	32.7	30.3	25.3	23.1	22.0	32.6						
-293		14 48	8.1	9.1	7.8	10.1	13.2	16.3	23.2	28.7	32.2	34.7	32.2	27.2	25.4	24.6	33.5						
-294		14 50	7.1	7.9	6.8	7.6	10.6	14.4	20.3	25.6	31.3	33.9	31.9	27.5	25.8	24.6	30.8						
-295		14 53	6.9	7.8	8.0	11.7	13.8	19.1	23.7	26.0	33.0	34.7	32.4	28.1	26.2	24.9	31.7						
AA-103-299	01 OCT 80	7 0	4.1	3.9	1.8	3.1	6.5	11.0	21.2	29.5	32.3	30.8	24.8	18.3	15.2	13.6	31.8						
-300		7 2	3.6	3.6	1.8	2.9	6.3	11.0	21.7	29.7	30.0	29.2	25.1	20.1	9.0	4.1	32.2						
-301		7 3	2.5	3.5	1.6	3.0	6.8	11.3	22.0	31.3	31.7	29.9	23.7	15.1	6.4	4.9	32.6						
-302		7 5	3.3	3.7	1.3	3.0	6.4	11.4	22.3	30.6	31.8	30.8	24.4	16.5	8.3	7.1	30.4						
-303		7 7	4.1	4.5	2.1	3.4	7.0	10.9	21.2	32.9	34.6	32.9	24.6	12.6	5.8	4.8	32.6						
-309		7 32	5.0	5.9	4.1	6.5	8.7	13.6	23.5	32.5	40.8	43.9	36.9	24.3	20.2	13.3	33.0						
-310		7 33	4.2	6.3	3.8	5.4	8.2	13.4	24.1	32.5	40.8	43.9	36.9	24.3	20.2	13.3	33.0						
-311		7 35	5.5	6.9	4.2	5.1	8.1	13.0	22.2	35.3	45.5	36.8	24.7	22.4	20.2	31.3	32.6						
-312		7 36	5.7	7.2	5.1	5.6	8.3	13.0	22.1	35.3	45.5	36.8	24.7	22.4	20.2	31.3	32.6						
-313		7 38	5.5	6.6	5.0	6.0	8.2	12.6	20.8	34.3	39.7	29.8	26.2	20.8	18.6	32.6							
-319		7 59	11.1	14.5	12.6	12.1	14.6	14.6	14.6	14.6	39.7	39.7	39.7	39.7	39.7	39.7	36.2						
-320		8 0	10.4	13.7	14.7	14.7	14.5	14.5	23.2	33.5	40.7	40.7	40.7	40.7	40.7	40.7	34.4						
-321		8 1	5.9	10.2	13.3	17.9	14.6	15.8	23.2	34.3	39.9	39.9	39.9	39.9	39.9	39.9	35.7						
-322		8 3	5.7	9.5	11.6	16.9	16.8	17.8	23.8	34.3	39.9	39.9	39.9	39.9	39.9	39.9	35.7						
-323		8 8	6.0	7.3	8.2	13.8	20.7	20.5	25.3	34.3	39.9	39.9	39.9	39.9	39.9	39.9	35.7						
AA-103-330	16 DEC 80	7 29	-2.8	-2.9	-3.7	-1.5	3.2	8.9	15.5	21.8	27.0	33.2	31.3	21.4	20.2	16.9	33.1						
-331		7 31	-2.6	-2.5	-3.3	-2.8	2.0	8.3	15.5	21.8	27.0	33.2	31.3	21.4	20.2	16.9	33.1						
-332		7 34	1.9	1.5	-0.4	4.4	7.1	13.6	21.0	28.8	34.2	33.2	25.5	22.6	19.2	34.0							
-333		7 36	2.9	2.9	.7	4.2	6.4	12.0	18.0	25.6	34.1	31.7	23.6	21.2	17.1	34.5							
-334		7 39	-0.3	-0.7	-2.0	-1.6	2.2	4.5	11.8	16.1	21.6	29.2	29.2	20.7	20.2	17.0	34.5						
-335		7 41	.1	1.4	-0.8	-1.1	4.8	8.9	15.5	21.8	27.0	33.2	31.3	21.4	20.2	16.9	33.1						

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION: )  
 OMEGA 19.1 )  
 TEST AA-BOB-081 )  
 DATABASE: )  
 DISTANCE 2087 M )  
 DATE 02 FEB 87 )  
 PAGE E80 )

PARAMETERS:  
 ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MIN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-267	25 SEP 80	7 10	14.9	14.8	12.5	14.0	8.8	6.4								12.3	15.2
-268		7 14	18.1	13.0	11.2	9.5	9.4	8.3								14.2	15.2
-269		7 17	23.8	17.9	15.1	12.3	9.6	7.4								16.3	17.3
-270		7 19	25.6	21.9	18.2	15.8	12.2	8.6								17.9	19.3
-271		7 22	22.5	20.4	16.1	13.3	12.3	9.0								17.1	18.5
-277		7 50	25.5	23.2	19.2	15.0	13.2	9.9								17.3	20.3
-278		7 51	26.6	23.3	19.9	16.7	14.0									21.1	23.5
---																	
AA-103-281	30 SEP 80	14 15	20.8	18.2	14.7	12.6	9.3	4.8								20.2	15.9
-282		14 17	19.1	16.6	13.4	11.6	8.3	3.5								19.9	14.5
-283		14 19	22.4	19.8	16.5	14.5	11.0	5.8								20.0	16.4
-284		14 21	23.3	20.5	16.8	14.4	10.5	5.4								19.5	17.1
-285		14 22	27.0	24.3	20.8	17.6										25.4	25.2
-292		14 47	21.2	18.2	15.2	13.7	10.9	5.4								19.1	15.5
-293		14 48	22.2	19.4	16.1	13.9	10.6									22.2	19.3
-294		14 50	22.4	19.3	15.5	13.2	10.0									20.7	18.8
-295		14 53	22.7	18.8	15.6	13.3	9.8									22.2	18.9
---																	
AA-103-299	01 OCT 80	7 0	10.3	13.9	9.0	10.3	11.3	8.9								15.9	13.8
-300		7 2	3.4	5.5	-7	3.5	6.0	4.0								10.9	6.8
-301		7 3	2.9	2.4	.0	3.7	4.7	2.8								10.3	6.2
-302		7 5	7.8	9.0	5.3	9.2	11.3	8.9								13.0	10.4
-303		7 7	11.0	8.0	2.3	3.4	6.9	7.1								11.2	8.1
-309		7 32	10.4	6.3	4.7	6.4	12.2	10.0								15.4	11.4
-310		7 33	16.1	8.7	6.1	7.3	9.6	9.7								16.8	13.3
-311		7 35	15.0	8.3	4.0	9.8	14.5	12.5								17.1	13.9
-312		7 36	13.1	9.9	6.4	6.6	14.1	9.8								17.5	14.0
-313		7 38	14.2	10.3	10.3	12.6	14.0	12.7								18.2	16.2
-319		7 59	25.2	19.7	12.6	9.8	12.6	11.1								22.4	18.3
-320		8 0	24.4	19.2	11.9	8.3	7.6	6.6								20.6	15.4
-321		8 1	25.6	19.1	14.9	13.0	13.3	10.8								23.1	19.5
-322		8 3	31.0	25.7	18.3											26.6	28.5
-323		8 8	29.4	25.5	18.7	13.2	12.6	9.8								24.1	19.9
---																	
AA-105-330	16 DEC 80	7 29	10.6	7.3	5.9	5.3	1.8	-2.4								11.8	8.1
-331		7 31	6.3	4.6	2.6	2.6	-9	-6.7								9.1	4.3
-332		7 34	15.0	11.9	8.8	6.6	4.2	-1.5								13.4	10.2
-333		7 36	11.8	7.9	4.0	2.9	1.1	-3.1								11.7	7.3
-334		7 39	12.6	8.7	6.5	5.0	1.2	-3.9								10.4	7.4
-335		7 41	14.2	9.8	7.0	5.3	1.8									13.6	10.9







1.0



1.1



1.25



2.0

3.15

3.5

4.0

4.5



1.4



2.2



2.0



1.8



1.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 2087 M

DATE 02 FEB 87  
 PAGE 881

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
AA-105-342	17 DEC 80	8 2	21.5															16.2	27.3
-343		8 8	9.0	.6	-6.0	-5.3	-3.0	-11.8										5.5	-1.0
-344		8 10	10.5	3.2	-3.6	2.5	-3.4	-12.0										6.2	-5
-345		8 12	11.9	7.3	2.0	-1.4												12.9	9.1
-346		8 14	8.7	5.1	3.0	-4.4												12.3	7.0
-354		13 13	24.0	21.6	20.5	19.0	13.7											23.8	21.7
-355		13 17	24.2	23.2	22.8	20.1												22.6	24.4
-356		13 18	26.9	24.4	23.8	21.1												28.0	26.7
-357		13 20	25.8	23.6	22.8													26.8	27.5
-358		13 22	25.1	21.6	20.6													26.0	26.1
-359		13 23	25.8	22.6	20.5	18.6												26.1	24.5
AA-105-367	08 JAN 81	10 30	1.8	-2.6	-4.1	-6.2												5.2	-4
-368		10 31	.8	-2.9	-1.5													8.0	3.0
-369		10 34	8.3	6.5														17.3	13.5
-370		10 35	5.9	3.2	2.9													12.6	8.0
-371		10 37	10.3	8.4														17.5	15.1
-372		10 39	9.5	7.4	3.6													15.5	10.3
-373		10 41	12.5	8.6														19.2	16.1
-374		10 43																29.8	35.4
-375		10 45	10.4	5.6	1.1													13.6	8.5
-376		10 46	12.2	7.0														19.9	15.3
-377		10 48	15.2	10.3														19.5	18.0
AA-105-388	09 JAN 81	14 9	16.0	12.6	9.8													19.6	16.7
-389		14 12	19.7	16.1														23.5	23.4
-390		14 14	14.1	11.2	8.3													17.9	15.2
AA-105-399	13 JAN 81	8 7	24.7	21.7														28.6	28.9
-400		8 11	22.8	20.4														26.8	26.8
-401		8 13	21.9	19.2														28.1	26.3
-402		8 14	24.0															29.6	31.9
-407		8 25	22.6	20.1														28.1	27.2
-408		8 37	23.0	20.1														27.3	27.4
-409		8 38	22.0	19.6														26.2	26.6
-413		13 7	25.1	23.4														32.0	30.2
-414		13 11	23.3	21.5														26.1	28.1
-415		13 14	23.7	22.3														27.5	28.8
-416		13 16	23.7	21.8														27.2	28.8
-417		13 18	24.6	22.4														26.3	29.3
AA-105-424	15 JAN 81	8 19	21.7	18.5	16.0													22.0	23.1
-425		8 21	20.7	16.2	14.4													21.7	21.2
-426		8 22	21.3	18.0	15.9													22.1	22.3
-427		8 23	20.1	16.3	14.2													21.4	21.1
-428		8 25	19.0	16.2	12.9	8.1												19.5	15.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2087 M  
 DATE 02 FEB 87  
 PAGE D82

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)															SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-105-441	04 FEB 81	8 22	8.2	9.2	8.5	9.0	13.0	15.4	24.0	26.1	30.7	32.9	28.1	21.6	18.0	14.5	36.3	
-442		8 23		14.2	16.8	18.8	22.0	23.6	27.7	31.6	35.4	36.8	31.3	24.9	21.8	18.7	36.7	
-443		8 27		9.3	10.5	12.8	16.7	19.2	25.3	29.6	33.0	34.9	30.2	23.5	20.3	16.6	32.7	
-444		8 28		12.0	13.0	16.6	19.1	21.7	27.2	30.5	34.8	36.6	31.3	24.8	21.0	18.3	37.6	
-445		8 30		11.3	11.2	12.0	16.7	20.3	26.9	30.2	33.6	37.1	32.1	25.5	21.7	18.4	37.6	
AA-105-450	12 FEB 81	13 10		3.7		2.9	5.2		30.2	34.7	33.8	27.2	22.6	21.8	19.6	35.4		
-452		13 29		5.6	5.3	3.9	6.2	14.5		36.7	36.2	30.8	25.4	24.5	22.4	27.3		
-453		13 32		5.9	6.5	6.3	7.3	14.9					25.5	24.7	21.5	34.5		
-454		13 48		4.3	6.0	5.4	7.9						24.5	24.3		38.5		
AA-105-469	25 FEB 81	12 59		3.8	8.0	9.3	11.3	12.2	13.7	16.5	18.9	23.4	28.7	30.2	26.0	22.6	34.4	
-470		13 1		5.5	4.7	5.7	8.5	10.2	12.2	16.5	23.7	30.6	31.0	25.9	24.3	20.9	34.4	
-471		13 2		5.2	5.1	5.2	6.2	7.4	7.7	9.7	13.9	21.3	30.9	32.4	27.8	23.2	13.0	
-472		13 4		5.8	6.3	5.1	5.9	7.1	7.7	10.7	16.7	23.6	30.4	32.6	27.6	25.9	33.5	
-473		13 5		9.9	10.7	9.5	12.0	13.8	14.1	17.6	23.4			29.4	28.9	26.6	12.9	
AA-105-479	27 FEB 81	7 15		-4	-3.2	-5.8	-5.1	.4	4.2	13.6	26.8	25.7	31.5	27.7	15.7	13.0	34.4	
-480		7 17		-2	-3.1	-5.7	-5.0	.4	3.5	12.4	27.2	26.8	31.1	24.1	13.7	12.8	30.0	
-481		7 18		-5	-3.4	-5.9	-5.2	.3	3.7	12.2	28.7	27.5	31.6	28.1	14.6	14.3	15.5	
-482		7 20		-1.1	-3.7	-6.1	-5.0	.6	4.0	12.1	27.6	27.9	31.3	28.2	16.0	14.7	15.8	
-483		7 21		-1.1	-3.9	-6.6	-5.1	.2	3.7	11.8	26.8	26.7	30.9	28.9	15.5	15.7	16.3	
-489		7 43		-1.2	-3.9	-6.4	-5.1	.2	2.2	9.0	17.9	21.4	26.4	22.8	16.1	16.0	11.1	
-490		7 45		-2.4	-4.1	-6.6	-4.7	.3	3.0	11.2	24.9	23.0	26.4	23.2	15.2	13.7	12.5	

ESA STATISTICS:  
 MINIMUM ( -7.0 -7.1 -8.7 -7.5 -5.5 -9.0 -6.9 -5.1 -1.1 8.7 8.2 1.5 -1.3 -4.1 12.9 )  
 MAXIMUM ( 8.8 14.2 17.8 23.7 30.3 35.5 41.4 41.5 43.4 45.8 44.7 41.3 43.5 41.9 49.7 )  
 AVERAGE ( 1.5 3.2 3.7 5.3 8.0 10.8 17.2 23.0 28.5 31.8 28.6 22.9 21.3 18.6 31.7 )  
 STANDARD DEVIATION ( 4.2 5.2 6.7 7.5 7.4 6.9 7.6 8.9 8.9 7.3 7.4 8.2 8.9 9.1 4.9 )  
 NUMBER OF DATA POINTS ( 148 166 178 166 150 149 156 158 181 176 183 193 200 198 205 )



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B03-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2087 M  
 DATE 02 FEB 87  
 PAGE 082

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-441	04 FEB 81	0 22	12.9	11.5												18.6	17.3
-442		0 23	17.5													25.5	24.6
-443		0 27	14.2	11.3												20.2	18.0
-444		0 28	16.6	14.0												22.3	20.4
-445		0 30	16.3	14.3												21.9	20.5
AA-105-450	12 FEB 81	13 10	19.6	20.4												20.8	23.9
-452		13 29	22.0													21.5	27.8
-453		13 32	20.6	18.8												22.3	24.7
-454		13 40	19.9													23.3	28.1
AA-105-469	25 FEB 81	12 59	19.1	15.1	12.7	9.3	2.9	-8.3								11.6	5.5
-470		13 1	17.3	12.9	10.8	8.0	3.6									15.2	12.8
-471		13 2	19.5	16.0	13.5	10.8	5.9									14.9	15.1
-472		13 4	19.4	15.6	13.4	10.7										15.7	17.8
-473		13 5	24.1	19.1	16.8	13.8										19.7	20.9
AA-105-479	27 FEB 81	7 15	10.7	7.4	8.8	3.0	.6	-3.3								10.3	7.2
-480		7 17	10.6	9.1	8.6	2.7	.5	-3.0								10.2	7.3
-481		7 18	9.6	8.3	8.4	4.0	.6	-1.8								10.6	7.9
-482		7 20	11.1	7.8	8.5	4.5	.7	-3.3								10.5	7.4
-488		7 21	11.9	10.8	9.1	3.8	1.3	-3.3								10.8	7.7
-489		7 43	7.8	4.7	3.1	1.7	-2.7	-5.3								8.5	4.9
-490		7 45	7.6	3.9	1.9	.3	-3.4	-6.1								8.5	4.3

ESA STATISTICS:

MINIMUM	(	-7.2	-8.1	-10.8	-13.6	-14.9	-17.3	-19.6	-22.7
MAXIMUM	(	39.4	33.7	25.6	23.7	22.9	15.5	2.2	-14.1
AVERAGE	(	15.5	12.4	8.4	6.2	4.2	.2	-8.4	-18.4
STANDARD DEVIATION	(	9.3	8.9	8.3	7.7	7.8	7.5	7.1	6.1
NUMBER OF DATA POINTS	(	198	190	157	135	125	108	10	2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-003-001

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE 003

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)					
			25	31	40	50	63	80	100	125	160	200	250	315	400	500								
AA-101-044	23 JAN 80	11 54																28.7	29.3	22.2	16.4	13.8	27.7	
AA-101-047	29 JAN 80	11 42																						14.3
-049	13 27																							90.0
AA-102-051	16 40		-4	.4	1.7	3.3	3.2	6.9	10.6	14.2	19.0	22.7	23.8	18.7	14.6	9.2								26.1
AA-101-052	05 FEB 80	13 37																						22.3
AA-101-054	13 FEB 80	11 26																						33.5
-055	11 53																							39.4
-056	12 4																							36.7
AA-101-060	14 FEB 80	9 54																						42.5
-061	11 3																							26.0
AA-101-065	20 FEB 80	11 19																						27.3
AA-102-067	13 11																							29.5
AA-101-068	21 FEB 80	14 10																						29.1
-069	14 13																							29.5
AA-102-070	14 33																							26.9
AA-102-071	22 FEB 80	14 48																						21.9
-072	14 53																							30.8
AA-101-073	27 FEB 80	11 57																						-1.5
AA-102-093	22 APR 80	14 10																						22.3
AA-102-097	08 MAY 80	14 52																						29.5
AA-102-100	09 MAY 80	14 34																						29.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON 1/R + ABS NORMALIZED:  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE 003

PARAMETERS:  
 ALL DATA LISTED

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-044	23 JAN 80	11 54	(	10.8	7.1	3.0											17.6	10.7
AA-101-047	29 JAN 80	11 42	(															
-049		13 27	(	15.3													24.4	21.4
AA-102-051		16 40	(	7.4	5.2	5.5	1.5										11.3	8.3
AA-101-052	05 FEB 80	13 37	(	8.3	3.9	3.3	1.8										13.9	8.6
AA-101-054	13 FEB 80	11 26	(	27.1													33.5	32.2
-055		11 53	(	25.0													32.3	30.5
-056		12 4	(	24.8													30.4	29.3
AA-101-060	14 FEB 80	9 54	(	20.8	16.0												23.6	24.1
-061		11 3	(														24.2	42.1
AA-101-065	20 FEB 80	11 19	(	33.7	27.7	24.0	21.5										20.0	28.5
AA-102-067		13 11	(	12.9	2.0	-3.3	-8.2	-8.0	-11.1								.1	1.2
AA-101-068	21 FEB 80	14 10	(	9.2	5.5	3.3	.2	-5	-1.3								.0	4.7
-069		14 13	(	13.0	10.1	9.2	7.0	4.4									2.5	11.2
AA-102-070		14 33	(	22.4	19.2	16.8	13.4	11.2	8.3								21.4	18.4
AA-102-071	22 FEB 80	14 48	(	1.2	1.6	2.6	.3	-.8	-1.2								7.3	3.9
-072		14 53	(	-3.5	-3.3	-3.1	-3.4										4.7	2.0
AA-101-073	27 FEB 80	11 57	(															
AA-102-093	22 APR 80	14 10	(	-1.7	-1.1	-.4	-1.2	-4.7	-6.8								5.9	.0
AA-102-097	08 MAY 80	14 52	(	3.7	1.5	1.5	4.5	2.2	-5.9								9.6	3.4
AA-102-100	09 MAY 80	14 34	(	-.3	-2.5	-3.9	-4.4										6.0	.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B08-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 2273 M

DATE OF FEB 87  
 PAGE 084

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-102	09 SEP 80	7 17	-6	-6.0	-4.4	2.2	2.9	3.0	7.3	16.0	20.2	16.6	6.0	1.1	2.1	2.8	32.6		
-104		7 30	2.6	-1	-5.7	-1.9	3.5	6.7	8.5	11.6	11.7	16.2	4.0	-2.8	-4.5	-1.9	33.5		
-106		7 40	3.8	-4.5	-8.0	-2.5	2.1	3.1	3.9	11.0	13.6	17.0	6.0	-9	-3.1	-3.0	39.3		
-108		7 50	3.5	-3.1	-3.6	2.1	2.3	11.5	10.9	14.8	25.3	21.5	12.2	3.7	3.2	-5	32.2		
-110		8 1	-1.5	-4.3	-5.9	1.9	6.8	9.9	4.4	10.6	11.2	16.2	9.0	-3.9	-3.7	-3.7	39.3		
-113		13 4	-2	-1.0	-1.1	2.7	5.6	9.3	15.2	22.8	28.8	25.6	11.1	6.6	6.3	34.4			
-115		13 16	1.1	2.1	1.3	3.6	6.4	10.7	19.5	21.7	26.9	26.1	23.7	9.0	6.0	4.4	35.8		
-117		13 29	-1.1	-1.5	-2.0	.4	1.6	5.0	9.7	15.8	22.1	26.1	23.7	9.0	6.0	4.4	27.8		
-119		13 47	.0	.8	.5	3.2	5.7	10.5	17.1	23.1	24.2	27.2	13.5	8.8	8.1	32.7			
-121		14 3	.3	.4	1.3	4.3	7.5	13.0	19.4	16.7	23.5	26.8	23.9	8.8	6.2	5.2	31.3		
-123		14 13	-3.2	-3.2	-4.0	-.9	2.1	7.7	12.7	16.9	19.3	20.2	16.9	1.6	-1.2	-1.5	31.3		
-124		15 18	-1.0									24.8	23.9	17.4	7.1	.9	-2.0	29.5	
AA-104-126	10 SEP 80	7 4			9.2	10.5	13.6	15.6	18.2	22.0	28.2	34.4					38.4		
-128		7 16						17.9	19.9	24.0	28.2	34.2					31.3		
-130		7 28			10.5	13.9	16.0	18.3	20.7	27.3	34.8						31.7		
-132		7 39			7.0	9.4				16.0							31.2		
-134		7 50			8.6			13.4	19.1		23.4	28.9					30.3		
-136		13 4	6.2	7.3	10.1	13.0	15.0	18.7	22.4	24.3			29.2	29.9	23.7	23.2	19.4		
-138		13 14	6.7	8.0	9.3	12.9	17.0	18.4	17.8	19.5	21.0			24.2	24.8	18.5	19.0	17.1	
-140		13 24	7.8	11.1	12.0	15.9	17.4	18.7	21.2	23.1				28.5	28.6	23.5	22.9	19.5	
-142		13 36		7.1	8.3	12.6	16.6	16.5	19.2	22.2				28.4	28.3	24.1	23.6	19.8	
-144		13 49			12.1	12.2	15.3	17.1	17.8	21.7	25.2				29.7	29.7	25.8	23.0	29.5
AA-104-157	16 SEP 80	13 42	.7	-.6	-1.5	1.2	5.2	7.3	9.9	16.6	26.0								
-161		14 8	.8	.1	-1.4	1.2	4.7	7.9	11.8	19.5	27.2								
-162		14 11	-.5	-1.4	-2.2	.7	4.0	6.9	9.6	16.1	22.2								
-163		14 13	-3.9	-4.2	-.2	2.1	5.0	7.5	12.7	18.8	23.6								
AA-108-146		7 28	-1.1	-.8	-1.4	.3	2.1	7.8	14.7	21.4	21.9	18.5	5.5	-.2	-1.9	-5.0	29.1		
-148		7 40	.4	.3	-.2	.9	4.3	7.9	15.1	19.8	21.1	18.9	5.6	-1.7	-1.5	-1.6	31.3		
-152		8 6	-3.4	-2.5	-2.8	.1	3.0	8.4	15.0	18.2	20.9	18.1	7.8	1.8	1.9	1.8	30.4		
-154		8 21	-1.1	-1.3	-.3	.0	1.8	6.1	13.8	18.3	18.7	16.8	6.7	-1.3	-.4	-1.1	30.1		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-001

DATABASE:  
 DISTANCE 2273 M

PARAMETERS:  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE 004

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)										OASPL AL (DB) (DBA)						
			630	800	1000	1250	1600	2000	2500	3150	4000	5000		6300	8000	10000			
AA-104-102	09 SEP 80	7 17	.5	1.4	.8	.1	-3.1	-6.3	-4.7									4.9	.1
-104		7 30	-2.6	-4.8	-5.1	-4.8	-7.1	-13.1	-17.2	-22.1								-2.8	-11.2
-106		7 40	-3.5	-5.2	-4.7	-2.9	-4.7	-10.0	-12.1	-13.0								.9	-5.6
-108		7 50	1.2	-1.9	-1.1	.3	-.5	-6.1	-7.7									6.5	.2
-110		8 1	-4.8	-5.0	-6.7	-6.8	-9.0	-12.1										2.0	-4.8
-113		13 4	6.6	4.9	3.3	2.8	1.1	-5.2										11.5	5.2
-115		13 16	6.4	5.3	5.7	5.0	.8	-3.5										12.9	6.4
-117		13 29	1.5	.1	-.8	.9	-.8	-7.0										8.3	2.4
-119		13 47	6.7	4.8	5.0	5.3	2.0	-2.9										12.5	6.8
-121		14 3	5.7	4.8	4.5	3.9	-.2	-4.5										11.5	4.8
-123		14 13	-3.1	-3.4	-2.8	-1.0	-4.7	-10.6										5.5	-1.2
-124		15 18	-3.6	-2.2	1.0	2.1												10.8	3.0
AA-104-126	10 SEP 80	7 4		22.3	20.4	20.6	18.8											24.9	25.5
-128		7 16																28.9	40.5
-130		7 28																25.7	38.8
-132		7 39																26.2	44.5
-134		7 50																25.3	28.2
-136		13 4	16.3	13.2	10.0	17.4	9.8	6.0										20.1	14.1
-138		13 14	13.3	10.5	7.4	7.1	6.2	3.0										16.7	10.5
-140		13 24	16.4	14.2	10.6	9.6												21.5	16.9
-142		13 36	16.7	13.7	11.0	11.7	11.1											20.6	16.1
-144		13 49	20.4	17.9	14.6													24.0	22.5
AA-104-157	16 SEP 80	13 42	3.6	3.2	3.4	5.1	3.2	.2										10.9	6.3
-161		14 8	7.0	6.7	5.4	6.3	5.3	1.6										12.0	8.6
-162		14 11	5.2	4.2	4.4	6.5	3.0	-.2										10.5	7.1
-163		14 13	1.2	2.3	3.1	2.9	-.5	-5.0										8.0	3.4
AA-108-146		7 28	-.3	-2.5	1.4	1.0	3.9	2.2										6.1	1.6
-148		7 40	-4.1	-5.9	-5.8	-6.2	-7.3	-3.3	-7.2									3.8	-4.2
-152		8 6	2.6	1.8	-1.4	-1.7	-3.6	-4.4	-5.0									5.0	-1.1
-154		8 21	-3.5	-5.4	-6.3	-8.0	-10.7	-12.2	-12.8	-13.1								-.8	-9.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-303-DB1

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE DBS

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-167	17 SEP 80	7 27	-7.5	-6.3	-5.4	-4.5	-2.4	.1	1.3	4.8	9.1	15.8	21.0	8.6	4.8	-1.7	35.4		
-168		7 30	-7.1	-6.9	-4.8	-5	-1.3	.7	1.9	4.8	10.4	18.7	20.5	7.4	3.1	-2.2	35.2		
-169		7 33	-6.6	-5.6	-5.0	-2.4	-1.4	.5	2.6	7.0	11.0	18.8	23.4	10.9	5.7	-1.6	29.5		
-172		8 4	-6.6	-5.1	-4.6	-5.9	.8	4.0	6.3	9.1	12.9	15.2	13.5	4.2	-2.7	-5.6	33.5		
-173		8 23	-6.0	-6.2	-3.4	-4	1.3	5.3	10.3	11.9	15.9	19.9	17.2	6.0	-2.7	-3.5	39.3		
-174		8 27	-7.4	-7.4	-3.4	-2.5	-3.8	.3	5.1	5.7	10.8	16.6	10.7	.6	-6.9	-7.7	32.6		
-180		13 51															34.4		
-181		14 2	6.7	11.0	11.9			19.0	24.2	27.7	31.0		34.0		28.3	23.9	30.4		
-182		14 4	3.7	8.3	10.7	14.4	13.8	18.9	21.1	24.2	28.6		30.4	26.5	26.3	21.7	31.3		
-183		14 6			11.4	14.3	15.0	18.5		25.1	28.6		32.0		26.7	22.0	33.1		
-185		14 8								25.4	29.6		32.2		29.3	24.7	30.4		
-186		14 13			10.7	13.2		21.0	20.9	25.9	29.0						31.7		
-187		14 14	4.9	9.6	9.7	13.2	15.1	16.8	21.0	24.0	26.5	29.6			26.9	21.7	34.4		
AA-104-190	19 SEP 80	7 12			12.3	14.5	17.2	18.8	20.9	27.0	35.4						30.4		
-191		7 14			11.9	12.6	16.1	18.1	22.1	26.0	33.4						31.3		
-211		13 16			7.7	8.8	8.4	9.8	12.9	13.8	16.3	22.3		29.8	32.5	31.9	29.2	27.4	23.8
-212		13 21			6.3	6.3	8.1	9.9	11.7	17.9	24.1	28.6	31.3	30.1	27.0	25.3	21.6	28.6	28.6
-213		13 35			8.2	9.4	8.4	10.7	14.3	17.5	21.6	26.7	30.1	34.3	32.5	23.8	24.1	31.3	31.3
AA-104-217	23 SEP 80	7 21			6.6	5.9	9.4	12.8	15.0	17.9	24.3	29.4		33.8	25.5	23.8	19.5	30.4	30.4
-218		7 23			9.4	13.3	15.5	18.4	22.9	27.8	32.3				25.7	21.9	23.7	30.4	30.4
-219		7 24			7.7	7.5	11.0	11.5	15.3	19.6	24.1	30.0			26.0	21.9	29.1	30.4	30.4
-222		7 41			7.4	7.5	10.4	13.9	16.6	20.8					26.7	23.6	23.0	30.4	30.4
-223		7 43			5.7	6.7	9.6	12.1			26.0	32.2			26.2	23.6	23.6	30.4	30.4
-224		7 46			7.9	7.5	10.5		14.2	21.3					26.2	23.5	30.0	30.4	30.4
AA-103-235	24 SEP 80	6 59	-7.7	-7.1	-7.2	-2.9	7.5	4.6	4.4	5.3	16.4	17.2	8.8	3.9	4.6	2.9	30.5	30.5	30.5
-236		7 1	-5.9	-4.5	-2.7	7.5	4.7	4.7	6.8	6.4	10.8	19.8	10.7	3.1	2.4	.2	30.5	30.5	30.5
-237		7 3	-5.9	-4.2	-3.0	4.9	9.7	5.5	6.0	6.5	12.7	21.8	14.8	6.4	5.8	2.2	32.3	32.3	32.3
-238		7 4	-5.9	-4.9	-3.8	4.8	9.8	6.0	7.1	6.9	12.5	20.6	11.8	2.3	1.9	.3	31.4	31.4	31.4
-243		7 24	-6.8	-6.0	-6.6	-2.4	4.8	7.6	5.1	4.7	11.9	18.9	10.1	.5	1.8	-1.7	24.2	24.2	24.2
-244		7 26	-7.2	-6.5	-6.7	-2.8	4.9	5.2	4.3	2.0	7.8	18.4	10.6	.7	-1.0	-1.3	24.2	24.2	24.2
-245		7 27	-6.2	-5.6	-6.1	-2.6	3.4	4.9	9.8	10.0	15.0	17.7	15.7	8.2	8.2	5.5	24.2	24.2	24.2
-246		7 29	-7.1	-5.0	-3.1	6.6	5.5	3.6	5.7	6.1	10.9	18.0	10.2	4.0	3.0	1.5	22.4	22.4	22.4
-247		7 31	-5.5	-3.6	-5	11.6	4.7	3.8	6.4	7.7	14.4	17.1	12.8	4.3	3.2	.0	25.6	25.6	25.6
-248		7 32	-7.1	-5.0	-3.2	5.3	7.8	9.4	13.9	16.5	21.7	23.5	16.6	8.1	7.3	3.9	31.4	31.4	31.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B08-081

DATABASE:

DISTANCE 2273 M

PARAMETERS:  
 ALL DATA LISTED

DATE 02 FEB 87  
 PAGE 085

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	MR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-167	17 SEP 80	7 27	(	-5.2	-2.3	-1.5	-1.4	-3.0	-4.9								4.6	1.8
-168		7 30	(	-3.7	-1.1	-1.7	-2.9	-4.3	-4.7								5.1	1.3
-169		7 33	(	-2.1	.2	1.4	.3	-1.6	-1.6								6.4	3.7
-172		8 4	(	-4.8	-5.0	-6.4	-7.5	-6.4	-6.4								2.5	-2.5
-173		8 23	(	-1.9	-.8	-3.2	-5.0	-4.7	-7.4								4.2	-1.4
-174		8 27	(	-5.7	-4.3	-7.0	-8.1	-8.7	-7.5								.9	-3.9
-180		13 51	(															
-181		14 2	(	20.5	17.8	15.2	14.7	13.7									24.5	20.1
-182		14 4	(	17.9	15.8	13.4	12.9	11.0	6.6								20.5	15.3
-183		14 6	(	18.7	16.3	14.0	13.6	11.6	6.9								21.8	16.0
-185		14 8	(	21.5	19.3	17.1	16.8	15.3	10.9								25.4	19.4
-186		14 13	(	17.9	15.3	12.4	12.6	11.8									22.7	17.5
-187		14 14	(	18.1	14.9	11.9	12.0	11.0	8.2								20.4	14.7
AA-104-190	19 SEP 80	7 12	(														29.7	44.1
-191		7 14	(														29.2	43.3
-211		13 16	(	20.9	18.2	15.3	15.9	15.6	13.1								20.5	19.7
-212		13 21	(	18.7	15.2	12.3	12.3	11.3	8.7								19.1	16.6
-213		13 35	(	20.2	17.8	15.2	15.3	15.4	12.7								22.6	19.7
AA-104-217	23 SEP 80	7 21	(	17.4	15.0	12.6	12.3	9.9	4.6								18.8	14.0
-218		7 23	(	19.7	17.5	15.2	15.5	13.4									23.3	19.7
-219		7 24	(	19.4	16.6	14.0	14.1	11.9									20.7	18.6
-222		7 41	(	20.9	18.5	16.5	16.2	13.6	9.2								21.6	17.7
-223		7 43	(	21.3	18.8	16.8	16.7	13.8									23.1	20.1
-224		7 46	(	21.9	18.9	16.5	16.8	14.6	10.4								21.9	18.4
AA-103-235	24 SEP 80	6 59	(	1.3	1.2	-1.2	-3.4	-4.2	-7.0								4.5	1.3
-236		7 1	(	-2.5	-2.2	-2.6	-4.7	-6.2	-8.5								3.5	-.8
-237		7 3	(	.3	.7	-1.2	-3.6	-5.2	-7.7								5.2	.9
-238		7 4	(	-2.7	-1.4	-1.9	-6.5	-7.7	-11.4								2.7	-2.2
-243		7 24	(	-3.1	-3.5	-5.0	-8.8	-10.7									1.4	-2.7
-244		7 26	(	-1.7	-1.1	-2.6	-4.8	-6.9	-10.2								1.3	-1.9
-245		7 27	(	.7	-1.3	-1.4	-.9	-4.1	-6.2								5.2	1.3
-246		7 29	(	-1.4	-1.7	-1.5	-3.8	-6.6	-9.2								3.7	-.5
-247		7 31	(	-2.3	-.9	-3.8	-4.3	-6.8	-10.2								3.5	-1.3
-248		7 32	(	-.8	-.1	-3.1	-2.2	-3.5	-7.6								5.9	-.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE 008

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																	SAMPLE DURATION (SEC)		
			25	31	40	50	63	80	100	125	160	200	250	315	400	500						
AA-104-239	24 SEP 80	7 12	9.5	12.1	11.2	13.3	16.2	19.5	25.2	31.0												31.4
-240		7 13	10.6	10.7	9.4	13.2	16.0	20.4	26.8													31.3
-241		7 15	10.4	10.8	10.2	12.9	15.1	19.2	28.0	35.8												30.0
-242		7 16	10.9	11.3	14.8	17.5	21.3	29.3														31.3
-249		7 39	10.1	10.1	9.0	13.0	14.3	17.6	21.2	29.8	37.6											30.4
-250		7 40	9.0	9.1	7.9	10.2	13.0	15.4	20.1	30.7	37.2											32.2
-251		7 42	7.4	7.8	6.8	10.5	14.0	17.4	24.4	32.0												32.2
-252		7 43	8.4	9.3	9.2	13.9	14.3	17.5	22.1													33.1
-253		7 45	7.1	8.6	7.7	11.9	15.5	20.0	21.7													31.3
-254		7 46	11.1	10.1	13.3			22.2														31.3
-255		7 48	7.4	9.5	9.3	11.7	14.1	18.0	22.4													28.9
-256		7 49	7.8	9.2	8.8	12.3	15.2	19.5														26.8
-262		15 17	4.2	7.2	6.3	10.7	11.6	16.0	18.6	21.9	28.6	31.2	29.4	21.4	18.5	15.2						29.3
-263		15 18	2.5	3.5	2.9	5.3	5.9	10.3	18.2	18.7	21.8	26.7	26.9	17.9	14.0	11.3						18.5
-264		15 24	4.7	4.3	2.3	4.2	3.7	7.5	11.7	18.1	23.7	26.6	25.9	17.6	16.4	13.5						29.3
-265		15 26	2.0	2.2	1.0	3.0	3.6	5.9	8.9	14.3	18.5	25.6	29.2	19.3	12.1	9.9						26.8
-266		15 28	.9	.9	-.3	2.0	2.1	6.4	10.1	14.2	18.3	26.0	29.7	19.1	14.7	10.6						29.3
AA-104-272	25 SEP 80	7 30	-2.1	-3.8	-5.9	-4.1	-2.4	1.6	7.6	13.7	14.7	16.9	15.7	2.7	-3.2	-8.0						35.3
-273		7 32	-1.7	-2.6	-5.3	-3.1	-.4	5.6	10.8	22.1	22.8	22.0	21.7	10.5	5.8	1.9						31.3
-274		7 34	-1.2	-3.5	-5.7	-3.3	.0	4.3	9.3	16.2	25.5	26.3	26.1	18.6	8.8	6.1						32.2
-275		7 36	-1.7	-3.2	-6.0	-3.9	-1.0	2.9	7.4	14.3	20.8	25.3	22.7	12.0	8.6	3.9						36.2
-276		7 38	-.2	-2.9	-5.7	-3.7	-.6	2.5	6.4	13.1	19.7	23.7	23.6	15.2	11.6	8.6						30.4
-279		8 0	5.0	-.9	-4.5	-1.4	4.9	5.2	11.8	14.6	25.8	31.5	27.4	15.7	11.4	9.1						32.2
-280		8 2	4.0	-1.0	-3.8	.8	7.2	5.5	14.3	16.3	21.0	26.4	25.5	17.0	13.0	10.9						40.3
AA-104-286	30 SEP 80	14 30	4.3	6.0	6.2	9.2	12.5	16.4	19.7	21.1	23.9	25.3	24.3	16.5	10.2	8.7						31.3
-287		14 31	1.0	3.2	4.5	7.6	13.7	17.3	20.2	24.2	26.7	28.1	25.4	15.7	11.1	10.6						31.3
-288		14 33	3.1	5.1	6.6			13.3	16.3	20.6	24.7	28.2	28.0	18.1	13.4	13.0						24.6
-289		14 34	4.4	7.1	5.1			11.6	14.5	18.8	22.5	26.5	27.4	17.3	12.2	12.4						30.4
-290		14 37	3.3	4.6	4.6			7.2	12.6	16.5	22.4	25.6	16.8	12.0	11.6							31.8
-296		15 13	2.3	4.8	5.2	8.1	10.8	13.3	18.6	21.5	25.7	27.9	26.4	15.6	11.6	11.4						31.3
-297		15 25	3.3	5.7	5.0	6.8	9.9	13.7	19.6	24.1	28.9	30.5	28.0	17.2	12.9	12.4						31.8



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-B08-081

PARAMETERS:  
 DATABASE: DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE E86

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12														25.4	41.0
-240		7 13														25.7	43.4
-241		7 15														25.5	41.1
-242		7 16														27.4	42.3
-249		7 39		25.9	23.8	22.1										23.4	29.3
-250		7 40		26.2	23.9	21.7	22.2	20.0	16.0							21.6	23.5
-251		7 42		26.4	24.0											22.9	31.9
-252		7 43		26.8												24.0	34.2
-253		7 45														24.1	40.7
-254		7 46														28.1	40.1
-255		7 48		23.3	21.0	18.5	19.2	15.5	8.9							22.4	18.7
-256		7 49		25.7	23.6		22.8									25.0	29.2
-262		15 17		12.6	10.1	8.2	8.2	6.8	3.3							17.0	11.0
-263		15 18		7.7	5.6	2.7	2.7	.6	-3.7							12.0	9.2
-264		15 24		11.8	10.1	7.7	7.4	5.2	1.4							10.7	8.6
-265		15 26		7.8	6.4	3.3	2.4	1.8	-1.5							10.3	6.9
-266		15 28		7.3	3.8	1.1	.9	-1.6	-4.4	-6.2						9.0	2.8
AA-104-272	25 SEP 80	7 30		-9.5	-10.3	-10.1	-6.5	-5.9	-15.9	-18.0	-20.4					-2.4	-10.8
-273		7 32		.6	-1.8	-2.0	-1.4	-3.3	-5.3							6.6	1.0
-274		7 34		4.4	3.0	1.5	1.9	-2	-5.3							7.7	3.5
-275		7 36		2.6	2.9	2.3	1.2	-1.0	-5.3	-8.5						6.3	1.2
-276		7 38		5.2	2.0	2.2	.7	-1.4	-4.7							6.9	3.1
-279		8 0		9.7	10.0	8.8	9.1	6.5	2.5							10.7	9.7
-280		8 2		8.8	7.9	8.4	10.6	7.6	3.6							11.7	10.3
AA-104-286	30 SEP 80	14 30		7.5	5.6	3.5	4.0	2.5	-.7							14.6	6.7
-287		14 31		7.6	5.2	3.3	3.5	1.4	-2.8							14.9	6.4
-288		14 33		11.1	8.5	5.8	5.9	4.3	.8							17.0	9.2
-289		14 34		10.8	8.6	6.6	6.5	3.8	-2.0							15.2	7.7
-290		14 37		9.3	6.0	3.2	2.7	1.0	-1.7							14.5	6.8
-296		15 13		8.6	5.9	3.9	3.8	1.8	-2.3							13.4	5.9
-297		15 25		10.7	8.9	7.2	7.0	5.2	1.3							16.3	9.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081  
 PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE 087

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-304	01 OCT 80	7 17	-5.3	-12.6	-12.2	-2.5	-5.3	-4.5	-4.8	.5	5.2	3.4	-7.4	-13.7	-14.4	-12.1	31.4		
-305		7 19	-3.2	-11.7	-11.8	-1.9	-3.4	-3.4	1.2	3.2	7.3	6.7	-4.3	-12.0	-12.3	-11.7	34.2		
-306		7 21	-3.8	-11.9	-13.1	-4.0	-5.2	-4.9	-2.4	1.3	7.7	3.9	-7.5	-12.6	-12.7	-11.4	31.4		
-307		7 22	-2.7	-11.5	-13.6	-4.5	-6.1	-6.3	-2.5	.3	6.4	3.0	-8.1	-13.2	-13.5	-10.1	17.4		
-308		7 24	-2.3	-11.6	-13.1	-4.3	-4.8	-4.5	-1.3	1.9	10.5	6.5	-5.5	-13.5	-14.0	-10.2	31.4		
-314		7 44	-8.8	-10.9	-5.6	-5.0	.9	.5	6.4	13.1	15.9	14.6	3.0	-7.4	-9.1	-8.0	31.4		
-315		7 46	-9.8	-11.2	-5.9	-6.7	-1.7	-1.7	-1.7	5	5.2	10.0	13.1	2.3	-5.2	-6.5	-4.7	31.4	
-316		7 47	-10.2	-11.0	-5.9	-8.9	-2.7	-3.0	1.7	7.7	10.7	9.5	-1.3	-10.6	-14.0	-12.9	31.4		
-317		7 49	-9.4	-11.6	-6.2	-7.1	-1.5	-2.1	.7	3.3	7.7	7.6	-2.5	-11.1	-13.1	-14.1	31.4		
-318		7 50	-7.3	-11.7	-9.3	-4.4	-3.0	1.0	4.6	6.1	10.2	11.6	1.5	-6.6	-9.1	-10.6	32.3		
-324		8 15	-8.8	-11.6	-7.3	-6.9	-3.5	-3.5	2.6	7.0	11.2	8.2	-3.8	-11.4	-14.7	-15.4	39.1		
-325		8 17	-10.3	-11.0	-5.6	-6.8	.1	2.3	2.6	3.9	5.8	6.8	-4	-10.8	-12.3	-11.6	33.1		
-326		8 18	-9.9	-10.9	-6.3	-7.5	-2.2	-1.1	1.6	3.5	7.8	7.7	.1	-9.8	-12.2	-13.0	32.2		
-327		8 20	-7.2	-10.8	-8.7	-3.2	-2.8	3.2	2.3	5.8	13.5	12.1	4.8	-5.5	-8.7	-10.0	18.8		
-328		8 22	-2.2	-8.4	-7.9	-2.3	.3	2.5	9.8	10.4	14.9	13.4	5.0	-5.2	-8.2	-7.5	31.3		
-329		8 24	-2.5	-7.9	-7.3	-2.9	-1.8	3.2	8.5	8.9	15.7	16.5	8.8	-1.2	-3.3	-4.8	33.6		
AA-106-336	16 DEC 80	7 51		15.3		18.8				27.7	29.9	32.8	29.4	27.4	25.6	20.7	29.8		
-337		7 53		9.0	10.7	12.3			17.1	18.5	23.0						40.3		
-338		7 56		9.2	12.9	12.0			16.1	18.9	23.2						37.1		
-339		8 7		15.4		17.7				30.0							32.2		
-340		8 9		10.3	12.0	11.4			17.8	22.3	26.0						35.3		
-341		8 11		14.7	15.8	18.5			21.7	22.6	28.1	31.3					34.4		
AA-106-360	17 DEC 80	13 42		-1.1	-2.2	-1.9	-1.7	.6	1.8	8.4	17.6	25.0	31.4	28.8	19.3	13.9	8.1	33.5	
-361		13 45		-1.7	-2.2	-2.4	-2.8	-1.5	.7	7.0	15.4	22.8	28.4	27.1	16.7	10.1	4.5	34.4	
-362		13 50		-.8	-1.9	-3.0	-2.9	.2	2.2	10.1	18.8	20.1	27.7	29.4	19.8	14.4	8.4	32.2	
-363		13 54		-3.9	-6.3	-6.4	-6.1	-1.9	2.6	10.9	16.9	20.1	25.0	21.3	13.9	9.5	2.9	29.5	
-364		13 57		-2.1	-3.5	-4.7	-4.0	-1.4	8.8	14.5	18.4	25.1	23.5	12.0	6.2	.4	34.4		
-365		14 1		-1.9	-2.8	-3.6	-3.5	-1.1	2.3	11.1	18.5	21.9	29.2	28.5	19.9	13.2	8.3	34.4	
-366		14 6		-1.7	-2.8	-3.4	-3.0	-1.3	2.5	10.1	17.6	23.3	31.2	29.8	20.1	12.4	6.4	33.4	
AA-106-391	09 JAN 81	14 38		-4.1	-1.9	7.2	10.4			22.3	22.8	15.7	12.6	8.2	4.4	1.0	16.5		
-392		14 42		-1.4	2.2	10.4	10.9			26.5	30.0	25.4	16.6	9.5	5.8	2.6	-2.0	37.1	
-393		14 44		-3.6	-.8	8.4	11.5		19.9	27.0	27.9	23.9	16.6	9.4	5.0	1.3	-2.8	44.0	
-394		14 45		-3.0	-.7	8.4	12.1		21.1	30.8	27.0	21.4	13.7	10.6	6.4	2.3	37.5		
-395		14 47		-3.3	.0	9.2	12.7		23.3	22.6	30.6	25.7	18.1	9.3	5.5	2.8	-1.4	35.4	
-396		14 49		-3.7	-.9	7.8				25.3	19.4	13.7	10.0	4.8	.9		36.3		
-397		14 50		-2.6	1.1	7.1				26.0	19.4	12.0	7.6	3.3	-2.5		38.5		
-398		14 52		-2.7	1.0	9.8				24.2	16.8	8.7	5.5	2.2	-1.5		36.2		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

PARAMETERS:  
 DATABASE:  
 DISTANCE 2273 M

DATE 02 FEB 87  
 PAGE E87

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000		
WA-104-304	01 OCT 80	7 17	-10.1	-12.8	-13.2	-14.7	-17.8	-19.2	-21.8	-30.2								-11.7	-19.6
-305		7 19	-10.0	-10.3	-10.4	-14.1	-14.6	-16.7	-18.5									-5.7	-12.3
-306		7 21	-9.4	-10.4	-9.6	-12.1	-13.5	-14.9	-15.6	-19.3								-6.0	-12.2
-307		7 22	-9.1	-10.8	-10.0	-11.8	-14.0	-15.9	-16.3									-5.8	-11.1
-308		7 24	-8.6	-11.0	-10.5	-11.1	-14.0	-17.6	-20.6									-6.1	-12.4
-314		7 44	-6.7	-7.9	-6.7	-5.6	-7.5	-10.4	-10.4									-7	-6.4
-315		7 46	-5.0	-6.1	-6.4	-5.5	-7.1	-9.2										.2	-4.5
-316		7 47	-10.5	-11.3	-10.9	-8.2	-11.5	-16.0	-18.2									-4.5	-11.1
-317		7 49	-11.7	-11.2	-10.2	-7.6	-10.5	-15.5	-14.3									-4.8	-10.2
-318		7 50	-10.6	-12.5	-11.5	-7.5	-10.7	-15.8	-15.7									-3.6	-10.1
-324		8 15	-15.5	-15.9	-16.6	-15.0	-16.7	-21.7	-21.1	-22.5								-0.7	-16.2
-325		8 17	-14.2	-14.6	-15.0	-14.1	-16.9	-19.9	-18.1	-18.5								-6.8	-14.4
-326		8 18	-12.9	-14.4	-15.2	-15.3	-15.6	-17.9	-19.3									-6.2	-13.6
-327		8 20	-9.1	-9.0	-11.9	-13.5	-13.7	-16.1	-15.4	-17.3								-4.0	-11.6
-328		8 22	-5.7	-6.6	-10.5	-8.9	-10.4	-12.7	-12.6									-8	-7.8
-329		8 24	-3.4	-5.1	-7.2	-6.9	-9.3	-13.0	-12.1									.9	-6.2
AA-106-336	16 DEC 80	7 51	19.6	16.3	14.5	12.0	5.3	-4.5										19.6	6.9
-337		7 53																24.1	35.5
-338		7 56																23.3	36.5
-339		8 7	23.0															31.0	31.9
-340		8 9	21.6	18.5	17.0	14.8	9.7											23.2	18.5
-341		8 11	22.7	20.0	18.5	15.2	10.0											24.7	19.1
AA-106-340	17 DEC 80	13 42	6.2	3.1	2.8	2.8												10.0	8.3
-361		13 45	2.1	-1.1	-8	.5	-4											8.0	4.1
-362		13 50	5.4	3.2	2.1	1.6												9.8	7.5
-363		13 54	1.3	-1.4	-2.9													7.4	5.3
-364		13 57	-7.9	-3.0	-2.6													7.5	3.6
-365		14 1	6.3	3.6	3.6	4.4												9.6	9.2
-366		14 6	3.7	3.3	3.1	5.0												9.5	8.8
AA-106-391	09 JAN 81	14 38	-2.8	-4.9	-6.2	-5.3												1.3	-2.3
-392		14 42	-7.0	-7.6	-8.4	-8.2	-12.5											-3.0	-7.3
-393		14 44	-6.9	-8.0	-9.8	-9.4	-13.7											-4.0	-8.3
-394		14 45	-2.3	-4.0	-5.4	-5.7	-11.5											-7	-5.2
-395		14 47	-5.0	-6.7	-8.1	-7.7	-12.8											-2.4	-6.9
-396		14 49	-2.9	-3.6	-6.0	-6.5	-13.3											-1.9	-6.3
-397		14 50	-6.9	-9.5	-9.4	-9.7	-15.1											-4.6	-9.0
-398		14 52	-5.7	-7.7	-8.2	-8.3												-1.1	-4.8

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 07  
 PAGE 008

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-403	13 JAN 81	0 23	-3.7	2.4	6.5	10.5	16.5	21.8	24.8	20.8	15.2	8.6	1.9	-1.1	-2.8	-3.7	35.3		
-405		0 26	-5.6		7.1	11.0	15.6	18.6	20.5	16.9	12.3	8.5	.3	-1.2	-4.7	-8.0	36.2		
-410		0 45	-6.9		7.1	10.4	16.1	21.0	21.7	16.6	10.8	4.1	-6	-4.4	-7.4	-10.8	34.4		
-411		0 47	-4.6	1.7	6.2	9.6	15.7	21.1	20.6	20.0	15.9	9.5	3.5	.4	-2.8	-5.4	36.2		
-412		0 50	-6.1	.8	5.7	10.7	19.5	18.9	15.7	10.4	4.8	.3	-3.8	-6.1	-8.0	30.9			
-418		13 31	-8	2.7	10.5	12.8	23.8	16.9	9.7	4.2	1.4	1.2	33.1				33.1		
-419		13 35	-2.2	1.1	9.5	12.9	18.5	24.0	27.2	27.0	25.5	20.3	14.6	10.2	6.9	2.6	32.2		
-420		13 37	.5	2.5	10.7	14.5											8.9		
-421		13 39	-1.9	1.9	10.6	13.1	28.3	26.5	23.5	16.7	9.8	5.4	3.2	2.1	2.1	2.1	34.0		
-422		13 40	-8	2.9	10.7	13.5	26.4	29.6	26.6	23.9	18.1	11.1	2.8	-5	-1.6	-1.6	35.3		
-423		13 42	-1.5	2.0	9.2	11.4	26.9					15.0	10.6	7.6	3.1	3.1	38.0		
AA-106-429	15 JAN 81	0 33	-1.9	-1.1	7.8	16.9						25.6	22.8	19.1	16.4	16.4	35.3		
-430		0 34	-2.0	-1.4	7.4	16.0	21.2					25.2	22.9	21.0	19.4	19.4	34.4		
-431		0 36	-1.9	-7	8.6	17.5	34.1					24.3	22.8	20.4	17.5	17.5	35.3		
-432		0 37	-2.5	-1.7	7.7							24.8	22.4	20.9	18.5	18.5	34.4		
-433		0 39	-1.8	-9	8.7	20.3						18.8	18.8	18.7	17.1	17.1	35.3		
AA-106-438	03 FEB 81	9 38	-6.3	-6.9	-3.4	-4	4.6	7.4	9.9	14.6	19.1	16.0	3.9	-6.4	-6.6	-7.7	35.3		
-439		9 43	-5.2	-6.6	-4.0	-5	9.0	11.3	15.3	20.3	22.8	18.8	5.0	-2.7	-2.7	-3.8	35.3		
-440		9 48	-3.8	-4.4	-9	5.6	7.7	10.7	16.0	20.0	21.4	17.8	4.6	-4.8	-4.2	-5.5	19.7		
AA-106-446	04 FEB 81	0 38	-7.5	-8.8	-6.5	-2	8.2	9.2	14.9	16.6	18.5	13.8	2.2	-7.2	-8.6	-10.8	37.1		
-447		0 40	-4.8	-6.4	-3.5	2.3	8.8	13.5	17.9	21.2	24.8	20.6	4.7	-3.8	-5.7	-7.4	39.2		
-448		0 41	-4.8	-6.9	-5.4	.4	12.3	15.3	18.0	19.4	22.4	17.9	3.0	-4.2	-6.7	-9.4	38.5		
-449		0 43	-6.4	-8.6	-6.9	-2.2	5.3	8.6	13.1	18.5	21.7	16.0	1.9	-7.5	-9.6	-11.2	37.6		
AA-106-455	12 FEB 81	13 56	-2.4	-4.7	-4.5	-1.5	9.1	11.6	19.2	28.7	25.0	16.8	6.4	4.3	1.3	1.3	34.4		
-456		13 58	1.3	-1.7	-1.6	1.1	14.8	24.2	32.4	32.4		21.6	13.4	12.6	10.9	10.9	35.3		
-457		14 1	-3.6	-5.2	-5.0	-1.3	8.8	12.7	21.4	23.9		7.1	6.2	2.2	2.2	2.2	34.4		
-458		14 6	-1.2	-3.9	-3.2	-1.0	11.0	14.0						5.9	5.9	5.9	33.1		
AA-106-464	25 FEB 81	0 33	5.8	7.2	5.7	6.7	8.7	7.9	13.3	18.9	26.5	31.3	28.1	25.7	20.9	20.9	31.3		
-465		0 34	6.7	6.7	5.7	7.7	10.7	10.6	16.3	20.5	27.0	28.5	26.6	21.9	21.9	21.9	34.0		
-466		0 36	5.5	5.9	5.7	6.0	8.9	7.3	13.2	19.1	28.0	31.8	26.4	21.7	21.7	21.7	34.0		
-467		0 37	6.3	7.8	7.8	9.6	12.3	11.6	16.7	22.5	28.4		27.1	22.4	22.4	22.4	34.4		
-468		0 39	6.1	5.3	6.1	7.0	8.9	7.9	12.6	18.0	25.1	30.3	31.2	28.3	28.3	28.3	33.5		
-474		13 16	6.5	6.9	5.4	5.4	8.1	6.7	10.8	17.3	23.2	28.8	27.0	24.2	23.3	20.6	35.3		
-475		13 18	2.8	1.6	1.6	3.8	7.6	6.9	12.4	16.4	21.5	26.6	25.6	23.3	22.7	19.6	33.5		
-476		13 19	3.2	2.8	1.8	2.8	2.9	5.6	11.4	17.4	25.0	23.7	21.3	20.9	17.5	17.5	34.4		
-477		13 26	3.5	3.3	3.0	4.3	5.7	7.2	13.1	15.9	19.9	24.3	23.4	19.9	15.7	15.7	35.3		
-478		13 29	6.2	6.5	6.0	6.8	9.5	8.7	12.5	17.4	23.2	27.8	26.2	23.3	22.8	19.8	35.3		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE 088

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (HR-MN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	0 23	-4.9	-7.8	-8.9	-8.5										1.1	-4.4
-405		0 26	-10.1	-13.2	-13.9	-14.1	-20.7									-7.5	-14.1
-406		0 27	-12.8	-15.0	-15.8	-15.1	-23.0	-37.4								-19.9	-27.4
-410		0 45	-11.3	-14.1	-15.5	-15.5										-5.7	-11.2
-411		0 47	-6.9	-7.8	-9.5	-9.5	-16.8									-4.0	-10.1
-412		0 50	-9.9	-11.5	-11.9	-11.4	-18.5									-5.7	-11.9
-418		13 31	-2.4	-5.6	-5.5	-5.5	-11.5									.0	-4.9
-419		13 35	-2	-1.9	-3.5	-3.2										5.2	.8
-420		13 37	1.5	-2.4	-6.5	-7.2										3.1	-1.8
-421		13 39	.2	.3	-2.2	-1.3										6.7	2.4
-422		13 40	-3.5	-7.1	-7.9	-6.5										1.8	-2.9
-423		13 42	.5	-1.3	-3.7	-4.8										5.7	.8
AA-106-429	15 JAN 81	0 33	12.1	8.7	4.2	.3	-5.8	-14.6								.9	-4.1
-430		0 34	14.4	11.4	7.8	4.1	-2.6	-13.3								2.1	-2.3
-431		0 36	12.4	9.0	5.2	.2	-8.1	-16.9								-1.8	-6.2
-432		0 37	14.2	11.2	8.0	4.2	-3.1	-12.8								2.5	-1.8
-433		0 39	13.8	10.9	6.6	1.2	-7.6	-16.2								-.9	-5.4
AA-106-438	03 FEB 81	9 38	-7.9	-3.5	2.1	5.6										1.3	-2.3
-439		9 43	-3.5	-.8	4.9											5.3	1.9
-440		9 48	-6.7	-4.9	.0											3.3	-1.2
AA-106-446	04 FEB 81	0 38	-11.8	-10.5	-9.4	-6.7										-2.0	-7.1
-447		0 40	-8.6	-7.2	-5.6	-1.9										1.1	-3.6
-448		0 41	-9.9	-9.4	-7.7	-4.4										-.7	-5.4
-449		0 43	-11.4	-10.0	-7.8											-1.6	-6.2
AA-106-455	12 FEB 81	13 56	-1.0	-2.5	-2.9											8.1	3.6
-456		13 58	9.5	7.2	3.7											13.1	10.8
-457		14 1	-.6	-2.8	-4.1											8.1	2.9
-458		14 6	.8													11.5	10.5
AA-106-464	25 FEB 81	0 33	16.6	11.6	7.9	5.8	-1.2	-10.9								9.4	1.2
-465		0 34	16.6	11.3	7.7	6.2	.1									15.9	9.6
-466		0 36	16.5	11.4	8.0	5.7	-.3	-9.2								10.8	2.8
-467		0 37	17.4	12.8	9.6	8.0	2.0	-8.3								12.2	3.9
-468		0 39	17.3	12.6	8.8	6.4	.2	-8.8								10.5	3.2
-474		13 16	17.1	13.4	10.6	10.0	6.8	.1								14.4	11.3
-475		13 18	15.2	10.7	8.0	6.8	3.0	-2.7								13.1	8.1
-476		13 19	13.3	8.9	5.5	4.1	-.4	-7.4								9.2	4.1
-477		13 26	11.8	7.5	4.0	2.4	-.6	-5.1								11.8	5.8
-478		13 29	16.7	12.8	9.9	9.0	5.9	.6								15.1	11.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 2273 M

DATE 02 FEB 87  
 PAGE 089

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME (MR-MN)	25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	2.1	1.0	.1	.0	2.3	2.0	9.0	17.2	23.8	34.1	37.5	28.2	20.0	20.0	33.1
-486		7 31	2.5	1.4	-2	-7	1.4	.9	9.0	17.8	26.3	37.3	27.5	21.5	15.1	15.1	34.4
-487		7 32	2.0	.5	-9	-1.5	.9	1.1	8.3	17.0	23.4	33.7	36.6	27.0	20.4	12.5	34.9
-488		7 34	2.8	1.0	.0	-6	1.6	1.1	8.0	15.5	22.4	32.9	38.1	28.3	21.9	16.8	34.4
-491		7 51		8.1	9.6			16.8	21.8	26.5	30.7	37.1	37.1	27.6	25.9	25.9	28.9
-492		7 53		9.2	9.7			14.6	19.2	26.6	31.7	36.8	36.8	26.9	25.2	25.2	36.2

ESA STATISTICS:

MINIMUM (-10.3 -12.6 -13.6 -8.9 -7.7 -8.5 -6.0 -3.3 1.7 3.0 -8.1 -13.7 -14.7 -15.4 -1.5)

MAXIMUM ( 10.6 14.9 16.3 18.5 21.2 26.4 34.1 35.8 37.6 34.3 38.1 29.4 36.5 35.9 45.6)

AVERAGE (-.9 .5 2.2 4.6 6.9 9.8 14.1 17.6 21.1 20.5 17.4 9.8 10.2 7.8 31.6)

STANDARD DEVIATION ( 4.9 6.8 7.2 7.2 7.1 7.8 8.2 8.4 7.6 7.8 11.6 11.7 13.1 12.2 5.4)

NUMBER OF DATA POINTS ( 152 175 184 170 195 167 158 157 127 145 149 175 178 197)

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2273 METERS

PARAMETERS:  
 ALL DATA LISTED  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 2273 M  
 DATE 02 FEB 87  
 PAGE E89

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000		
AA-106-485	27 FEB 81	7 29	14.0	6.2	-7.7	-2.8	-2.2	-5.8									8.8	2.6	
-486		7 31	6.2	-1.1	-6.0	-8.4	-8.6	-9.5										4.8	-2.4
-487		7 32	4.1	-3.6	-8.0	-10.7	-11.6	-12.9										3.4	-5.0
-488		7 34	11.0	5.3	1.1	-2.9	-4.6	-7.7										7.4	1.7
-491		7 51		19.4	16.9	14.2												23.5	21.9
-492		7 53	18.9	18.3	16.5	15.1												22.8	21.2

ESA STATISTICS:  
 MINIMUM (-15.5 -15.9 -16.6 -15.5 -23.0 -37.4 -21.8 -30.2)  
 MAXIMUM (33.7 27.7 24.0 22.8 20.0 16.0 -4.7 -13.0)  
 AVERAGE (5.5 3.2 1.6 1.3 -1.5 -5.6 -14.0 -19.6)  
 STANDARD DEVIATION (11.2 10.0 9.0 9.0 9.3 8.6 5.2 5.2)  
 NUMBER OF DATA POINTS (176 173 169 160 132 110 25 9)

-19.9 -27.4  
 33.5 44.5  
 10.1 7.2  
 10.6 14.6  
 194 194

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE D90

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)	
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-101-039	12 DEC 79	11 18	10.4	7.9	6.6	5.4	7.8	10.5	15.0	19.1										29.5
-040	13 10		6.8	4.8	5.1	8.6	13.3	16.9												29.5
AA-102-051	29 JAN 80	16 40		.0	1.1	1.8	1.7	5.1	9.3	13.1	16.8	21.1	23.1	16.4	14.0	8.3				29.2
AA-101-052	05 FEB 80	13 37			5.7	4.0	7.0	5.8	14.1	24.7	30.0									29.4
AA-101-054	13 FEB 80	11 26																		24.6
AA-102-058	14 51		-2.2	-3.1	-2.2	.7	6.8	11.8	20.3											28.6
-059	15 15		-5.2	-7.4	-7.2	-3.8	1.9	4.9	12.5	20.8	25.9	26.1	19.7	9.6	1.5	-4.6				37.2
AA-101-060	14 FEB 80	9 54		8.5	6.2	5.5	10.2	15.3												39.8
AA-102-067	20 FEB 80	13 11		-4.8	-6.3	-7.3	-8.8	-10.2	-10.4	-8.7	-4.2	6.3	11.9	16.4	17.4	19.5	15.3			29.5
AA-101-068	21 FEB 80	14 10		.7	2.1	-1.1	-3.4	-2.4	-3.8	-3.3	-2	5.2	11.3	16.3	19.1	20.1	21.4			28.6
-069	14 13		4.7	5.3	1.6	-7	-1.2	-2.5	-1.9	1.5	9.0	17.6	21.6	24.7	27.3	26.6				30.0
AA-102-070	14 33								14.2	19.9	23.2	24.0	24.5	22.7	21.7	21.4				-29.4
AA-102-071	22 FEB 80	14 48		-8.1	-8.8	-8.2	-7.6	-3.4	1.9	8.1	12.3	19.3	21.3	21.6	12.7	5.6	.3			21.5
-072	14 53		-10.3	-12.4	-9.6	-9.4	-9.5	-2.5	2.1	1.7	5.6	16.1	17.8	9.5	.1	-3.4				30.3
AA-101-073	27 FEB 80	11 57												26.9	23.6	21.5	18.0			8.0
AA-101-074	01 APR 80	11 3			12.7	14.5	21.6	23.3	28.0	29.1	32.0	34.2	35.0	33.4	32.5	30.2				38.0
-075	11 22				13.2	14.9	21.2	20.8	24.6	29.2	32.5	34.1	37.0	34.1	31.8	28.2				39.5
AA-101-076	03 APR 80	11 17		9.2	7.8	5.4	10.5	10.2	15.0	18.9	24.4									29.3
-077	14 12		5.9	2.7	.4	3.6	3.6	9.7	18.2	26.1	30.2	30.9	30.2	29.3	22.2					39.3
AA-101-080	10 APR 80	9 39																		16.1
-081	10 47								21.8	22.8	23.2	24.3	23.1	19.7	19.1	17.6				32.2
-082	11 47								20.6	21.7	23.3	24.8	25.3	23.9	23.0	19.5				31.3
-083	12 3				12.1				11.3	11.8	14.3	16.0	18.6	17.7	11.4	9.0	7.7			33.5
AA-101-087	11 APR 80	10 51			10.1	11.2			19.4	21.9	24.5	25.2	26.6	26.7	26.1	22.3				29.5
AA-101-088	16 APR 80	10 4		9.9	7.0	5.4	8.8	11.0	15.3	22.2	25.1									29.1
AA-101-089	17 APR 80	11 23			11.6	11.4	16.4	17.3	21.2	24.9	26.8									28.1
AA-101-090	18 APR 80	11 6		9.7	8.1	7.5	11.8	13.2	17.0	21.7	22.8	24.9	25.6	23.9	21.9	20.3				32.2



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE E90

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	MR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-039	12 DEC 79	11 18 (															11.1	22.2
-040		13 10 (		12.0	7.3	3.2	2.6	-0.8	-2.6								12.0	6.5
AA-102-051	29 JAN 80	16 40 (		6.0	3.7												11.2	12.0
AA-101-052	05 FEB 80	13 37 (		11.2	7.1	4.4											14.1	13.5
AA-101-054	13 FEB 80	11 26 (																
AA-102-058		14 51 (		4.1	3.6	1.7	2.4										10.1	5.3
-059		15 15 (		-5.1	-5.8	-3.8	-1.9										6.6	1.1
AA-101-060	14 FEB 80	9 54 (															17.7	30.6
AA-102-067	20 FEB 80	13 11 (		7.9	0	-4.8	-9.9	-10.5	-12.9								-2.0	-5
AA-101-068	21 FEB 80	14 10 (		15.9	9.2	5.3	2.5	-9	-7								2.7	6.2
-069		14 13 (		20.6	16.4	12.2	10.5	5.1	3.3								5.6	13.0
AA-102-070		14 33 (		20.8	16.9	13.9	10.9	8.6	4.8								20.2	15.7
AA-102-071	22 FEB 80	14 48 (		0	1.3	2.1	-3	-1.0	-1.9								6.3	3.3
-072		14 53 (		-7.0	-6.4	-5.8	-6.7	-10.8									1.0	-2.5
AA-101-073	27 FEB 80	11 57 (		17.0	14.0												23.6	20.4
AA-101-074	01 APR 80	11 3 (		30.5	27.5	25.4	24.8	22.1	21.2								27.4	27.3
-075		11 22 (		28.1	25.0	22.2	20.7	19.3	18.3								25.2	24.9
AA-101-076	03 APR 80	11 17 (															15.7	26.4
-077		14 12 (		18.9	11.8	6.3	5.0	2.0	.8								19.3	10.7
AA-101-080	10 APR 80	9 39 (																
-081		10 47 (		18.4	16.5	14.4	13.8	10.2									20.7	16.3
-082		11 47 (		20.0	17.8	15.9	15.0										22.1	19.4
-083		12 3 (		9.8	10.5												14.0	12.7
AA-101-087	11 APR 80	10 51 (		21.4	18.3	14.4	13.3	9.9									20.5	17.5
AA-101-088	16 APR 80	10 4 (															16.0	27.0
AA-101-089	17 APR 80	11 23 (		24.2	21.9	18.6											22.7	24.2
AA-101-090	18 APR 80	11 6 (		20.0	16.1	14.1	14.8										18.2	18.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)

LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
OMEGA 13.1  
TEST AA-DOB-081  
DATABASE:  
DISTANCE 2377 M  
DATE 02 FEB 87  
PAGE D91

PARAMETERS:  
ALL DATA LISTED

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)															SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-102-099	22 APR 80	14 10	-3.5	-5.2	-5.3	-3.8	3.1	5.6	10.9	15.7	17.6	18.2	15.4	5.8	-4.3	-5.4	22.6	
AA-101-096	08 MAY 80	10 26															19.7	
AA-102-097	14 52	2.7	1.0	2.0	5.2	6.2	9.6	16.1	24.4	29.1		24.3	12.3	9.9	6.1	29.0		
AA-101-098	09 MAY 80	10 40									34.5	34.1	31.7	28.0	26.7	22.5	34.4	
AA-102-100	14 34	.1	-2.5	-2.0	-1.0	2.2	6.8	16.3	21.5	22.1	18.4	14.2	5.8	.7	-1.9	28.1		
AA-103-101	09 SEP 80	7 10	.8	1.1	.3	2.8	6.2	8.5	18.0		35.9	27.7	18.7	15.6	11.1	29.1		
-103		7 24	2.9	1.6	.7	2.3	5.1	7.0	15.3	27.2	29.0	32.1	26.9	17.3	17.3	18.5		
-105		7 35	3.5	2.9	2.2	4.3	6.8	8.4	16.4	29.4	40.7	41.6	35.8	27.4	23.0	11.7		
-107		7 45	5.1	3.8	2.8	4.6	8.3	14.2	23.9	35.5	34.6	31.0	21.3	21.8	12.5	34.0		
-109		7 55	4.7	4.6	3.3	4.7	8.1	9.1	15.0	28.0	35.6	39.1	38.2	31.2	31.9	22.2		
AA-104-102	7 17	-1.7	-3.1	4.6	2.9	6.9	8.9	12.8	21.3	18.7	19.8	10.1	3.9	1.0	1.6	39.1		
-104		7 30	4.9	-2.6	-2.9	.9	2.6	6.5	11.8	10.0	15.5	18.6	6.9	-1.2	-7	34.0		
-106		7 40	.5	-5.2	-4.1	-6	1.5	9.3	11.6	16.4	18.2	18.1	8.1	.5	-2.0	-2.5		
-108		7 50	1.1	-2.0	2.0	.1	5.0	8.0	10.8	14.3	21.0	20.8	10.4	1.9	2.0	1.7		
-110		8 1	-1.5	-4.8	-1.9	4.6	5.5	5.3	11.2	13.9	17.3	21.5	11.8	-1	-3.7	-2.0		
-113		13 4	1.6	.8	.7	4.7	6.8	10.0	15.4	24.2	29.5	26.7	11.4	8.4	8.4	35.3		
-115		13 16	2.9	3.9	4.3	5.2	7.2	11.5	18.9	21.8	27.1					35.8		
-117		13 29	.2	.7	.3	2.5	3.0	6.3	11.5	17.6	22.0	26.1	25.4	11.3	7.8	6.2		
-119		13 47	2.5	1.1	1.5	5.0	7.3	12.4	17.7	25.6	24.7	27.8	13.5	8.6	9.1	32.2		
-121		14 3	2.0	1.4	3.5	6.2	8.2	15.1	18.9	23.0	23.8	25.9	22.9	9.6	7.1	7.0		
-123		14 13	-2.2	-1.8	-2.6	-1	2.5	8.1	14.2	17.4	19.8	20.7	18.0	3.0	-1.1	31.3		
-124		15 18	.0	-2.2							26.0	17.1	6.0	3.3	.2	30.4		
AA-103-125	10 SEP 80	6 58	-9.1	-9.3	-9.9	-7.6	-1.2	-7	-1	-2.8	-2.7	1.6	9.7	3.0	-6	30.4		
-127		7 11	-10.3	-10.7	-11.8	-10.3	-7.0	-3.8	.3	1.1	4.5	11.0	13.0	4.2	.8	24.1		
-129		7 22	-8.9	-9.2	-10.1	-8.0	-4.4	1.0	2.7	3.8	5.1	9.2	2.0	-7	-3.2	29.5		
-131		7 33	-9.0	-9.5	-10.4	-8.7	-6.0	-1.3	2.5	4.5	5.9	8.8	12.7	1.5	.3	28.6		
-133		7 44	-11.0	-11.0	-12.1	-10.6	-8.6	-6.7	-1.8	2.6	2.2	4.7	8.9	-6	-4.0	29.5		
-135		13 0	1.5	.4	.2	1.3	3.6	4.0	8.3	14.7	21.2	28.2	29.5	23.8	22.7	18.0		
-137		13 10	.0	.5	-.9	-1.8	-1.2	.2	4.7	9.1	16.2	22.4	24.3	19.7	13.8	30.4		
-141		13 29	2.8	1.7	.3	1.4	3.8	5.2	10.8	14.4	19.6	27.1	28.7	23.3	22.1	30.4		
-143		13 44	3.5	4.8	4.7	4.2	6.8	8.7	11.6	13.8	21.4	27.5	28.1	23.0	21.8	18.4		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION: OMEGA 13.1  
 TEST AA-808-081  
 DATABASE: DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE E91

TEST NO.	DATE	START TIME	1/3 OCTAVE BAND FREQUENCY (HZ)										OASPL AL (DB) (DBA)		
MR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000		
AA-102-093	22 APR 80	14 10	-5.1	-1.8	-0.8	-2.3	-4.7	-7.2						5.0	-1.1
AA-101-096	08 MAY 80	10 26													
AA-102-097	14 52		2.0	1.6	3.6	5.4	1.7	-4.8						10.0	4.0
AA-101-098	09 MAY 80	10 40	20.7	16.3	12.6	10.1	5.1							20.8	14.9
AA-102-100	14 34		-1.8	-4.4	-4.6	-4.8	-8.6	-15.6						1.7	-6.0
AA-103-101	09 SEP 80	7 10	10.6	2.5	-1.6	-1.4	-1.1	-1.8	-6.3	-7.0				6.7	1.4
-103	7 24		7.7	4.1	3.1	-1.0	3.8	1.0	1.6					11.0	6.1
-105	7 35		3.6	2	-2	-4.1	-3.3	-2.4	1.9					8.7	2.9
-107	7 45		5.7	9	-6.0	-5.1	-5.2	-6.5	-4.0					6.7	7.4
-109	7 55		21.1	16.6	14.2	9.8	6.8	3.6						17.2	14.4
AA-104-102	7 17		2.8	1.9	1.3	2.7	-5	-3.5						7.7	2.9
-104	7 30		-7	-3.5	-2.6	-1.3	-3.8	-10.3	-13.3					3.3	-3.7
-106	7 40		-5.5	-4.3	-4.3	-3.1	-3.6	-9.7	-11.9					2.5	-4.0
-108	7 50		-2.0	-3.4	-1.5	1.2	-9	-6.3						6.5	6
-110	8 1		-2.6	-3.4	-3.2	-5.1	-6.0	-10.2						4.2	-2.6
-113	13 4		7.9	7.1	5.3	5.8	2.4	-4.1						13.0	6.8
-115	13 16		7.2	6.6	6.8	7.3	2.5	-2.6						14.0	7.5
-117	13 29		4.0	2.5	1.9	4.3	1.7	-8.0						9.7	3.4
-119	13 47		8.5	6.2	5.6	5.4	2.4	-4.1						13.4	6.9
-121	14 3		6.1	5.9	4.9	5.6	.5							13.7	7.8
-123	14 13		-1.8	-1.8	-8	.8	-4.1	-9.8						6.5	-1.1
-124	15 18		-1.3	.7	2.1									12.6	5.7
AA-103-125	10 SEP 80	6 58	-6.9	-7.7	-8.4	-9.2	-10.6	-13.7	-15.8	-21.4				-5.1	-10.5
-127	7 11		-4.1	-5.6	-7.3	-9.7	-12.3	-13.5	-13.6	-15.0				-2.2	-7.2
-129	7 22		-6.3	-7.7	-8.9	-10.3	-11.7	-14.0	-14.7	-17.4				-3.8	-8.9
-131	7 33		-4.5	-5.8	-7.6	-9.0	-11.4	-13.4	-13.6	-17.2				-2.6	-8.1
-133	7 44		-7.6	-9.0	-11.1	-12.0	-13.8	-16.4	-17.4					-4.8	-9.5
-135	13 0		13.0	9.3	5.9	3.5	1.3	.4						11.6	8.5
-137	13 10		9.3	6.1	3.4	.6	-2.1	-5.3	-5.7					6.9	3.1
-141	13 29		12.1	7.4	1.5	-4.3								12.1	8.4
-143	13 44		14.6	11.5	7.5	3.4	-1.1	-1.6						12.8	8.1

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-303-081  
 DISTANCE 2377 M

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DATE 02 FEB 87  
 PAGE 092

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (L/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)														SAMPLE DURATION (SEC)			
			25	31	40	50	63	80	100	125	160	200	250	315	400	500				
AA-104-126	10 SEP 80	7 4		11.8	13.0	15.3	17.4	20.0	23.4	29.6	35.6									
-128		7 16			9.3	13.3	14.6	17.4	20.0	25.1										
-130		7 28		4.5	5.7	7.0	10.0	12.2	15.8	18.3	20.0	27.9	32.0							
-132		7 39			11.7															
-134		7 50			9.2	9.8	12.7	15.2	20.4	21.7	24.3			24.0	20.8					
-136		13 4		8.7	10.3	11.2	14.3	17.4	19.6	21.3				24.7	25.7	20.3				
-138		13 14																		
-140		13 24			16.7				20.3	20.8						29.3				
-142		13 36		7.1	9.6	9.4	12.7		18.8	20.8	23.2					28.4				
-144		13 49		13.0	12.9	16.2	18.2	20.1	22.5							26.3				
AA-104-157	16 SEP 80	13 42		2.4	1.1	.6	2.8		8.5	11.2	16.6	24.5								
-161		14 8		2.2	1.1	-.2	2.1	4.1	8.3	11.8	18.2	26.3				26.8	12.0	11.4	7.2	31.3
-162		14 11		.5	-.2	-.5	2.1	4.6	8.0	10.3	15.8	22.0				26.6	12.1	10.1	7.4	29.5
-163		14 13		-2.2	-2.9	-2.6	1.4	2.5	5.6	7.5	12.4	16.6	23.9			23.2	8.3	4.3	4.6	35.3
AA-108-146		7 28		.0	.6	1.0	1.2	3.1	7.5	14.8	19.9	18.6	17.7			4.0	-1.2	-2.6	-2.3	29.5
-148		7 40		.7	2.4	1.4	2.5	5.6	8.3	14.4	20.1	20.0	18.4			5.2	-2.3	-2.5	-2.1	31.3
-152		8 6		-3.4	-1.4	-1.8	.3	3.3	9.0	14.6	19.7	19.9	17.8			6.6	.9	.9	1.0	30.4
-154		8 21		.0	-.8	.2	1.7	3.0	7.2	13.4	16.6	18.7	16.2			5.9	-1.0	-1.5	-1.6	30.5
AA-103-175	17 SEP 80	13 12		2.6	2.8	2.6	3.4	6.9	11.6	17.9	23.6	27.2	31.7	31.4	31.4	23.0	21.1	17.1		28.7
-176		13 22		3.2	3.6	3.3	3.7	6.7	12.6	19.6	23.1	27.1	30.4	31.9	26.1	24.3	21.7			29.6
-177		13 24		3.8	3.3	2.5	3.3	5.9	11.1	18.3	22.4	26.7	32.3	31.4	23.0	22.0	18.2			32.3
-178		13 28		3.5	3.7	3.0	4.2	7.8	12.7	17.4	22.2	27.1	33.8	35.2	26.6	23.9	20.6			35.4
-179		13 34		5.3	5.8	4.8	6.0	7.6	11.4	17.5	23.8	29.1	37.8	37.3	27.5	25.9	22.5			29.1
AA-104-167		7 27		-5.2	-4.8	-3.9	-3.7	-.4	.6	1.9	5.4	9.5	15.8	20.0	8.6	5.8	-1.3			34.9
-168		7 30		-4.6	-5.0	-2.5	1.0	-.5	1.0	1.8	4.6	8.7	17.1	20.3	7.2	3.7	-2.6			32.2
-169		7 33		-3.8	-4.0	-2.8	-.9	.8	1.5	3.4	7.0	10.8	18.7	23.8	11.8	6.4	-.6			30.4
-172		8 4		-5.3	-4.1	-3.4	-5.9	.8	2.7	7.5	9.4	12.3	15.3	13.2	4.3	-2.5	-4.3			32.2
-173		8 29		-5.7	-4.2	-.5	1.8	1.3	5.5	11.9	16.5	19.1	19.5	17.2	4.9	-3.0	-2.2			39.3
-174		8 27		-4.0	-4.7	-1.0	-2.4	-2.1	2.2	6.0	8.7	11.5	16.3	13.1	4.1	-4.3	-4.7			32.6
-180		13 51																		34.4
-181		14 2			13.9				25.3	29.7										30.4
-182		14 4		13.7	14.3				18.5	20.2	24.7	28.0								30.8
-183		14 6		13.3					19.7		26.4	28.8								33.1
-185		14 8									27.5	31.1								30.4
-186		14 13									23.2	27.1	29.8							30.8
-187		14 14		10.3	11.4				22.6	25.8	28.8									34.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)

LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATABASE:  
 DISTANCE 2377 M

DATE 02 FEB 87  
 PAGE E92

1/3 OCTAVE BAND FREQUENCY (HZ)

TEST NO.	DATE	START TIME	HR-MN	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)	
AA-104-126	10 SEP 80	7 4															27.3	40.9	
-128		7 16															29.1	40.6	
-130		7 28															24.8	38.2	
-132		7 39			17.3												21.4	28.6	
-134		7 50															32.4	49.1	
-136		13 4		17.4	14.4	11.4	11.1	9.8									21.9	16.8	
-138		13 14		15.4	12.5	9.3											21.2	17.5	
-140		13 24		18.9	15.4	10.8	9.0	6.4	-5								19.6	11.0	
-142		13 36		18.1	15.2	12.3	12.1										22.8	18.8	
-144		13 49		20.6	17.6												26.4	25.8	
AA-104-157	16 SEP 80	13 42		6.8	6.1	5.7	7.0	5.7	1.3								12.9	8.5	
-161		14 8		7.0	7.5	7.3	8.7	5.3									12.6	10.5	
-162		14 11		6.3	6.0	7.1	8.3	4.6	1.1								11.6	8.7	
-163		14 13		3.0	4.3	5.9	5.5	2.2	-0								9.1	6.2	
AA-108-146		7 28		-1.4	-1.1	2.2	1.5	5.3	2.3								6.9	2.6	
-148		7 40		-3.5	-5.8	-4.0	-5.1	-4.9	-2.3								5.5	-2.1	
-152		8 6		1.9	1.3	-1.2	-1.7	-2.3	-3.2								6.1	.6	
-154		8 21		-3.0	-6.3	-8.5	-9.0	-9.5	-9.8								1.4	-6.4	
AA-108-175	17 SEP 80	13 12		14.3						6.6							17.3	17.4	
-176		13 22		17.4						8.1							18.2	18.4	
-177		13 24		14.7						7.6							16.9	17.9	
-178		13 28		16.8						8.3							18.0	19.1	
-179		13 34		18.9						10.2							18.7	21.0	
AA-104-167		7 27		-4.0	-1.2	.4	-1.7	-4.4									5.5	2.9	
-168		7 30		-4.1	-1.7	-1.3	-1.6	-3.0	-4.0								5.9	2.0	
-169		7 33		-1.3	1.1	2.2	1.1										7.5	6.7	
-172		8 4		-3.3	-2.2	-4.0	-5.1	-5.5	-5.7								3.5	-1.1	
-173		8 23		-1.5	1.2	-1.8	-3.5	-3.6	-5.0								5.6	.2	
-174		8 27		-3.1	-1.7	-3.0	-4.9	-5.6	-5.8								3.4	-1.2	
-180		13 51																	
-181		14 2																	
-182		14 4		19.3	16.4	13.9	13.5										33.3	45.0	
-183		14 6		20.1	17.5	15.3	14.8	12.4									23.7	20.8	
-185		14 8		22.5	20.2	17.4	16.8										24.8	19.6	
-186		14 13		20.2	17.1	14.3	13.9										28.9	24.4	
-187		14 14		19.6	16.2	13.1	13.2	11.9	7.1								26.0	21.3	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-90B-081  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE 093

PARAMETERS:  
 ALL DATA LISTED

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-103-188	19 SEP 80	7 1	-7.2	-5.3	-1.2	4.3	4.0	-1.5	-3.0	1.6	9.4	14.3	8.2	-2.6	-2.8	-3.6	30.9		
-189		7 3	-9.8	-9.7	-9.9	-6.2	-9	3.4	-1.5	-2.2	2.3	14.7	9.2	-1.7	-2.4	-3.0	32.2		
-192		7 21	-10.1	-10.1	-10.1	-6.8	-3	-1.3	-4.6	-3.6	3.0	13.2	8.0	-2.2	-3.7	-5.2	29.5		
-193		7 23	-11.0	-10.4	-9.6	-3.5	5.0	-4.8	-5.0	-2.1	4.1	13.6	12.1	-1.5	-1.9	-1.9	31.4		
-194		7 25	-11.1	-10.5	-10.5	-6.6	-8	-3.6	-3.7	1.2	3.4	8.8	11.4	-1.9	-1.8	-2.0	30.0		
-200		7 52	-4.3	-4.4	-6.2	-4.0	-1.6	-2.2	1.5	4.3	6.7	16.7	10.2	-1.0	-4.1	-6.8	21.5		
-202		7 56	-7.1	-6.9	-5.9	-3.0	-3.5	-1.0	2.4	2.3	3.3	15.3	13.4	3.7	4.1	1.7	22.3		
-203		7 58	-7.5	-6.0	-6.0	-3.5	-4.9	-3.7	-1.6	.9	2.7	12.9	6.7	-4.0	-5.6	-7.2	22.3		
-205		8 2	-5.3	-4.8	-7.0	-6.2	-5.6	-5.6	1.8	2.8	4.8	13.1	13.7	4.1	2.6	1.0	30.4		
-207		12 53	6.7	5.8	4.4	5.0	7.4	7.7	11.7	17.7	23.7	28.6	29.7	24.7	24.6	21.5	30.4		
-209		12 55	1.7	2.2	1.5	4.1	6.6	8.9	11.7	16.4	22.0	26.9	27.7	23.5	22.8	19.2	30.9		
-209		12 57	5.8	4.5	3.6	4.1	6.1	5.6	10.3	13.5	19.4	24.8	26.8	23.8	23.7	20.1	28.1		
-210		12 59	3.4	2.1	1.3	3.4	4.3	5.5	10.7	14.7	18.3	25.0	26.4	23.7	24.1	20.7	28.6		
AA-104-190		7 12															30.4		
-191		7 14															33.1		
-211		13 16	11.2	12.1	11.8	13.2	15.8	17.0	20.3	25.4	32.8		34.5	29.0	25.9		29.1		
-212		13 21	9.1	9.4	9.3	11.6	12.8	14.8	20.5	25.5	30.5	33.1	32.6	28.0	27.4	22.7	28.2		
-213		13 35	11.4	12.2	11.7	13.9	17.1	20.4	23.5	29.5	32.4	34.3	34.8	27.5	26.1		31.3		
AA-103-214	23 SEP 80	7 8	-2.3	-2.9	-4.2	-3.2	-1.4	3.3	10.6	15.8	18.6	23.5	22.2	15.1	11.0	7.8	20.5		
-215		7 10	-1.2	-2.1	-3.9	-2.8	1.4	7.6	17.6	18.7	19.8	24.9	25.1	18.8	15.5	11.8	30.5		
-216		7 12	-3.6	-3.2	-4.6	-3.1	1.1	10.6	15.8	12.6	14.2	20.5	19.7	14.6	10.4	8.1	29.1		
-220		7 33	-3.4	-2.3	-3.9	-2.2	1.7	6.4	13.2	16.3	18.6	25.5	24.8	18.8	15.9	12.1	27.3		
-221		7 35	-1.0	-1.9	-3.0	-2.3	.7	4.7	15.0	19.6	17.5	25.2	22.9	14.6	12.3	8.4	29.6		
AA-104-217		7 21	7.1	9.9	8.6	11.6	14.6	18.0	21.1	25.8	30.4			21.7			30.4		
-218		7 23	12.1	12.7			17.6	20.3	24.8	29.4							29.1		
-219		7 24	11.4	11.3			14.0	18.0	22.1	26.8	32.0						30.4		
-222		7 41					13.0	15.7	19.7	23.5	28.4	33.7					29.1		
-223		7 43	8.9	9.2				17.2	27.5	32.9			36.2				29.5		
-224		7 46					17.5										30.4		

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE E93

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

PARAMETERS:  
 ALL DATA LISTED

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL (DB) (DBA)	AL (DBA)																							
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000			10000																						
AA-103-188	19 SEP 80	7 1	-3.7	-4.4	-8.4	-10.3	-12.4	-12.3	-8.4	-10.3	-12.4	-12.3	-8.4	-10.3	-12.4	-12.3	-8.4	-10.3	-12.4	-12.3	-8.4	-10.3	-12.4	-12.3	-8.4	-10.3	-12.4	-12.3	-8.4	-10.3	-12.4	-12.3							
-189		7 3	-5.2	-5.4	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5	-9.8	-11.2	-14.1	-14.5			
-192		7 21	-5.3	-5.9	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3	-11.1	-12.2	-14.1	-15.3			
-193		7 23	-2.9	-4.7	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6	-11.2	-12.8	-15.5	-16.6			
-194		7 25	-5.2	-6.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1	-10.3	-12.0	-12.1	-13.1			
-200		7 52	-4.0	-4.0	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9	-9.6	-9.6	-10.1	-9.9			
-202		7 56	-2.1	-3.6	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3	-16.4	-13.8	-17.3			
-203		7 58	-8.5	-10.9	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1	-9.4	-10.3	-11.4	-12.1			
-205		8 2	-1.1	-3.6	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9	13.0	10.7	8.6	6.9			
-207		12 53	18.6	15.4	13.2	11.9	10.2	6.2	18.6	15.4	13.2	11.9	10.2	6.2	18.6	15.4	13.2	11.9	10.2	6.2	18.6	15.4	13.2	11.9	10.2	6.2	18.6	15.4	13.2	11.9	10.2	6.2	18.6	15.4	13.2	11.9	10.2	6.2	
-208		12 55	16.3	13.2	11.9	10.2	6.2	6.2	16.3	13.2	11.9	10.2	6.2	6.2	16.3	13.2	11.9	10.2	6.2	6.2	16.3	13.2	11.9	10.2	6.2	6.2	16.3	13.2	11.9	10.2	6.2	6.2	16.3	13.2	11.9	10.2	6.2	6.2	
-209		12 57	16.7	12.8	10.3	7.7	5.2	3.4	16.7	12.8	10.3	7.7	5.2	3.4	16.7	12.8	10.3	7.7	5.2	3.4	16.7	12.8	10.3	7.7	5.2	3.4	16.7	12.8	10.3	7.7	5.2	3.4	16.7	12.8	10.3	7.7	5.2	3.4	
-210		12 59	17.7	14.3	12.6	10.3	8.0	5.8	17.7	14.3	12.6	10.3	8.0	5.8	17.7	14.3	12.6	10.3	8.0	5.8	17.7	14.3	12.6	10.3	8.0	5.8	17.7	14.3	12.6	10.3	8.0	5.8	17.7	14.3	12.6	10.3	8.0	5.8	
AA-104-190		7 12																																					
-191		7 14																																					
-211		13 16	23.1	20.3	17.7	18.6	18.1		23.1	20.3	17.7	18.6	18.1		23.1	20.3	17.7	18.6	18.1		23.1	20.3	17.7	18.6	18.1		23.1	20.3	17.7	18.6	18.1		23.1	20.3	17.7	18.6	18.1		
-212		13 21	20.1	16.8	13.2	13.3	12.2	8.8	20.1	16.8	13.2	13.3	12.2	8.8	20.1	16.8	13.2	13.3	12.2	8.8	20.1	16.8	13.2	13.3	12.2	8.8	20.1	16.8	13.2	13.3	12.2	8.8	20.1	16.8	13.2	13.3	12.2	8.8	
-213		13 35	22.2	19.7	17.1	17.8			22.2	19.7	17.1	17.8			22.2	19.7	17.1	17.8			22.2	19.7	17.1	17.8			22.2	19.7	17.1	17.8			22.2	19.7	17.1	17.8			
AA-103-214	23 SEP 80	7 8	4.7	3.0	3.6	1.5	.2	-2.9	4.7	3.0	3.6	1.5	.2	-2.9	4.7	3.0	3.6	1.5	.2	-2.9	4.7	3.0	3.6	1.5	.2	-2.9	4.7	3.0	3.6	1.5	.2	-2.9	4.7	3.0	3.6	1.5	.2	-2.9	
-215		7 10	8.7	5.5	3.7	1.8	1.2	-1.0	8.7	5.5	3.7	1.8	1.2	-1.0	8.7	5.5	3.7	1.8	1.2	-1.0	8.7	5.5	3.7	1.8	1.2	-1.0	8.7	5.5	3.7	1.8	1.2	-1.0	8.7	5.5	3.7	1.8	1.2	-1.0	
-216		7 12	5.6	3.6	2.1	1.7	-1.3	-4.2	5.6	3.6	2.1	1.7	-1.3	-4.2	5.6	3.6	2.1	1.7	-1.3	-4.2	5.6	3.6	2.1	1.7	-1.3	-4.2	5.6	3.6	2.1	1.7	-1.3	-4.2	5.6	3.6	2.1	1.7	-1.3	-4.2	
-220		7 33	7.2	5.4	5.4	3.9	3.3	1.5	7.2	5.4	5.4	3.9	3.3	1.5	7.2	5.4	5.4	3.9	3.3	1.5	7.2	5.4	5.4	3.9	3.3	1.5	7.2	5.4	5.4	3.9	3.3	1.5	7.2	5.4	5.4	3.9	3.3	1.5	
-221		7 35	4.5	3.4	3.8	1.0	.0	-2.2	4.5	3.4	3.8	1.0	.0	-2.2	4.5	3.4	3.8	1.0	.0	-2.2	4.5	3.4	3.8	1.0	.0	-2.2	4.5	3.4	3.8	1.0	.0	-2.2	4.5	3.4	3.8	1.0	.0	-2.2	
AA-104-217		7 21	19.4	16.4	13.9	12.7			19.4	16.4	13.9	12.7			19.4	16.4	13.9	12.7			19.4	16.4	13.9	12.7			19.4	16.4	13.9	12.7			19.4	16.4	13.9	12.7			
-218		7 23		19.5						19.5						19.5						19.5							19.5						19.5				
-219		7 24		18.6						18.6						18.6						18.6							18.6						18.6				
-222		7 41		20.4	17.6	16.7	14.8			20.4	17.6	16.7	14.8			20.4	17.6	16.7	14.8			20.4	17.6	16.7	14.8			20.4	17.6	16.7	14.8			20.4	17.6	16.7	14.8		
-223		7 43	22.3						22.3						22.3							22.3							22.3						22.3				
-224		7 46																																					

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

PARAMETERS: ) IDENTIFICATION:  
 ALL DATA LISTED ) OMEGA 13.1  
 ) TEST AA-808-081  
 ) DATABASE: ) DISTANCE 2377 M  
 ) )  
 ) )  
 ) DATE 02 FEB 87  
 ) PAGE 094

TEST NO.	DATE	START TIME (HR-MIN)	1/3 OCTAVE BAND FREQUENCY (HZ)															SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500		
AA-103-235	24 SEP 80	6 59	-8.7	-7.7	-6.8	-7.7	5.7	2.0	3.2	10.5	18.4	18.3	7.2	4.2	-1.4	30.9		
-236		7 1	-8.5	-6.4	-3.3	5.0	.1	1.6	3.3	4.3	7.9	19.8	12.1	1.6	.5	30.4		
-237		7 3	-7.3	-5.2	-2.6	7.3	2.6	2.3	3.0	8.6	17.9	10.3	-.2	-1.8	-3.1	32.2		
-238		7 4	-7.3	-5.5	-3.0	8.0	3.2	2.8	3.9	4.6	10.0	19.2	10.5	.2	-1.8	31.3		
-243		7 24	-9.0	-7.4	-7.0	-1.3	7.6	6.6	5.4	5.6	5.7	10.8	11.1	2.8	-2.2	31.3		
-244		7 26	-9.6	-8.2	-7.9	-2.2	7.6	3.6	2.4	.7	4.2	13.2	9.7	-.8	-2.1	31.3		
-245		7 27	-8.6	-7.2	-7.2	-3.4	3.0	1.1	3.5	2.5	7.1	18.4	16.6	5.8	5.9	31.3		
-246		7 29	-8.8	-6.1	-3.0	6.3	1.3	.7	3.0	2.7	5.7	17.6	14.3	5.7	2.9	31.3		
-247		7 31	-7.8	-5.2	-2.3	4.8	.2	1.5	2.6	2.2	5.6	14.1	9.6	.8	.7	32.6		
-248		7 32	-9.0	-5.9	-2.6	4.5	2.4	7.9	10.6	9.2	12.3	22.0	16.7	6.5	6.0	31.3		
-257		15 0	3.0	4.0	3.0	4.6	8.5	12.2	19.9	24.9	30.3	35.4	33.0	26.2	25.0	21.7		
-258		15 1	4.6	6.5	4.6	6.5	9.6	13.7	21.9	25.4	29.8	34.4	33.3	26.7	26.0	22.4		
-259		15 3	.3	.4	-1.1	2.0	4.3	5.4	11.6	19.9	29.3	32.0	32.6	25.0	23.4	19.4		
-260		15 4	3.1	3.1	2.8	4.9	9.9	13.7	14.3	18.4	28.5	35.0	34.6	28.8	27.9	24.0		
-261		15 6	4.9	7.7	7.5	9.6	13.8	16.7	23.9	26.5	31.5	36.4	34.9	29.5	26.1	31.3		
AA-104-239		7 12		15.1	16.6	18.0	22.4									31.3		
-240		7 13		13.9	13.0	16.4	18.1	23.0								31.3		
-241		7 15	12.7	13.3	13.8	16.1	17.6	21.0	29.7	37.3						30.5		
-242		7 16		13.6	14.6	17.6	19.7	23.1	30.2							31.3		
-249		7 39	13.5	13.2	12.1	16.1		20.1	23.1	33.0						30.9		
-250		7 40	12.3	12.9	11.5	13.8	15.9	19.1	23.0	32.9	37.4					32.2		
-251		7 42	10.0	11.0	10.3	13.5	16.4	20.5	27.5	34.1						32.2		
-252		7 43	12.4	12.4	12.4	17.1	16.6	20.5								32.2		
-253		7 45	10.9	11.6	11.3	15.5	17.7	23.4								31.3		
-254		7 46	14.2	13.5	15.8	18.4	24.5									32.2		
-255		7 49	11.5	11.6	16.9	16.9	21.2									34.9		
-262		15 17				14.0	16.2	16.2	21.1	27.5	30.4	19.2	16.9	13.4		28.4		
-263		15 18	5.3	5.5	5.6	7.7	7.5	12.3	18.6	20.8	25.8	27.6	28.8	19.1	17.0	12.1		
-264		15 24	7.7	7.5	5.1	6.0	5.9	8.8	12.1	19.7	23.1	26.6	26.6	18.4	15.3	12.3		
-265		15 26	5.0	4.9	3.9	5.6	5.9	8.2	10.7	16.0	20.7	27.0	30.3	14.8	12.4	17.0		
-266		15 28	4.7	4.0	2.6	4.8	4.5	8.7	13.3	16.2	21.1	27.5	30.4	19.2	16.9	13.4		
AA-103-267	25 SEP 80	7 10	-1.1	-2.2	-3.2	-2.0	.8	2.9	10.4	20.0	27.5	35.5	32.8	24.7	20.5	16.3		
-268		7 14	-1.4	-1.3	-1.9	-1.1	2.4	5.0	12.7	22.8	28.3	38.7	37.6	27.8	24.9	21.3		
-269		7 17	.3	.2	-.7	1.2	4.5	8.0	16.2	25.4	28.3	36.1	36.0	26.7	25.4	32.2		
-270		7 19	1.7	.6	.0	2.3	5.6	7.6	14.8	26.7	31.8	40.2	37.4	28.0	23.7	31.3		
-271		7 22	2.3	.4	-.9	1.6	5.2	8.0	15.6	26.6	35.0	39.1	36.1	28.2	27.1	23.7		
-277		7 50	5.1	3.6	1.5	3.7	5.5	6.7	14.6	24.6	34.7	37.8	32.4	30.3	27.5	22.7		
-278		7 51	6.2	5.0	4.5	6.6	8.9	11.4	19.0	29.5	37.9	32.9	32.3	29.3	29.4	30.4		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

PARAMETERS:  
 ALL DATA LISTED

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-BOB-081

DATABASE:  
 DISTANCE 2377 M

DATE 02 FEB 87  
 PAGE E94

TEST NO.	DATE	START TIME	HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ)																OASPL (DB)	AL (DBA)
				630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000					
AA-103-235	24 SEP 80	6 59	(	-1.3	-2	-8	-4.2	-5.8	-8.0										3.1	.0	
-236		7 1	(	-2.2	-3.8	-7.2	-7.2	-7.8	-10.3										1.8	-2.2	
-237		7 3	(	-3.4	-1.6	-2.6	-6.0	-7.7	-10.6	-13.6									.6	-4.0	
-238		7 4	(	-3.3	-1.2	-2.6	-7.0	-8.5	-13.2	-16.0									.1	-5.4	
-243		7 24	(	-3.5	-3.7	-5.8	-6.5	-9.7	-12.9										.0	-4.2	
-244		7 26	(	-3.9	-3.6	-4.4	-6.3	-9.3	-12.5										-5	-4.0	
-245		7 27	(	.7	1.3	.2	-1.9	-4.8	-7.7										3.3	.9	
-246		7 29	(	-3.4	-3.0	-3.0	-6.5	-9.7	-11.9										1.6	-2.7	
-247		7 31	(	-5.6	-5.7	-5.9	-10.3	-13.8	-15.7										-9	-6.2	
-248		7 32	(	-.5	.9	-1.3	-4.1	-4.6	-8.7										4.9	.2	
-257		15 0	(	19.1	17.3	14.0	10.6	7.6	5.3										17.9	15.4	
-258		15 1	(	19.5	17.4	14.3	11.5	8.0	5.6										18.8	15.6	
-259		15 3	(	15.1	12.7	9.1	6.2	2.8	.7										13.2	10.8	
-260		15 4	(	21.1	18.7	15.5	12.8	9.2	6.6										17.8	16.4	
-261		15 6	(	23.3	21.2	18.7	16.4	13.2	9.5										22.0	19.3	
AA-104-239		7 12	(																30.2	47.5	
-240		7 13	(																29.0	47.7	
-241		7 15	(																28.0	44.6	
-242		7 16	(																29.8	46.7	
-249		7 39	(																27.1	41.2	
-250		7 40	(			26.3	23.5	23.7											25.1	30.0	
-251		7 42	(																26.0	42.6	
-252		7 43	(	29.1	27.8														27.8	36.2	
-253		7 45	(																28.1	47.7	
-254		7 46	(																29.5	48.9	
-256		7 49	(	27.3	26.1														28.4	33.9	
-262		15 17	(	9.8	7.4	4.9	5.1	3.5											16.4	9.5	
-263		15 18	(	9.4	6.3	4.2	4.3	1.6	-3.1										13.4	6.2	
-264		15 24	(	12.5	11.0	9.2	8.4	6.1	1.6										12.1	9.4	
-265		15 26	(	10.7	8.5	5.8	5.0	3.9	1.4										12.6	9.1	
-266		15 28	(	11.1	7.6	4.4	3.8	1.7	-2.7										12.1	6.6	
AA-103-267	25 SEP 80	7 10	(	15.0	12.9	15.0	14.8	10.3	8.0										11.8	15.7	
-268		7 14	(	16.8	15.8	12.0	7.9	8.3	7.7										13.2	14.7	
-269		7 17	(	20.0	13.2	10.1	6.8	3.9	3.8										14.3	12.6	
-270		7 19	(	19.2	15.7	12.9	9.1	5.2	2.3										14.9	12.9	
-271		7 22	(	21.4	17.5	13.0	10.7	7.9	6.0										15.3	15.3	
-277		7 50	(	23.7	20.7	16.4	12.0	9.4	7.6										16.3	17.6	
-278		7 51	(	25.7	20.8	17.7	13.9	10.5	10.3										19.7	19.4	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE 095

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-272	25 SEP 80	7 30	9	-1.2	-3.0	-1.9	-9	3.6	9.2	18.1	17.6	17.6	16.4	4.8	-9	-4.8	35.3		
-273		7 32	2.2	-2	-2.6	-1.3	.3	5.7	11.8	18.7	25.7	25.5	23.2	13.7	8.5	5.4	33.5		
-274		7 34	2.0	-1.9	-3.2	-1.7	.6	5.8	10.5	17.3	25.2	28.4	25.5	17.6	12.3	6.9	32.5		
-275		7 36	2.3	-1	-3.2	-2.2	.0	4.9	8.8	17.6	23.2	25.5	22.2	10.9	6.2	3.2	36.7		
-276		7 38	3.6	.5	-2.7	-1.9	.3	4.5	7.3	15.2	22.8	25.1	23.4	15.3	11.2	7.5	30.8		
-279		8 0	8.9	2.8	-1.7	-1.4	5.8	8.5	11.9	19.8	25.6	30.0	27.0	14.9	12.1	11.0	32.7		
-280		8 2	7.0	1.7	-1.5	1.3	10.2	7.8	15.3	16.9	21.4	26.0		16.3	12.9	40.2			
AA-104-286	30 SEP 80	14 30	7.4	8.8	8.8	11.7	14.2	17.8	21.3	22.6	24.5		25.8	12.0	10.2	31.3			
-287		14 31	3.8	5.5	7.1	11.0	14.5	20.6	21.3	26.4	28.4	27.8	27.4	17.4	12.9	12.3	31.3		
-288		14 33	6.4	7.8	8.6	11.1	15.2	17.9	22.7	25.1	29.3		30.0	15.2	14.6	30.4			
-289		14 34	7.1	9.9	9.3	9.4	14.0	17.0	20.3	24.0	28.0		28.8	18.1	13.9	30.4			
-290		14 37	6.1	6.9	7.2	8.5	14.4	18.3	24.6	27.9		29.7	14.8	14.2	32.2	30.9			
-296		15 13	6.3	7.7	8.4	11.0	13.7	16.1	20.2	24.2	26.6		27.7	14.2	14.3	30.9			
-297		15 25	7.3	8.7	8.0	9.2	12.0	16.5	22.2	26.8	30.2		29.8	15.5	15.3	29.6			
AA-103-299	01 OCT 80	7 0	3.7	2.5	1.8	2.4	4.2	6.6	14.2	22.9	28.2	29.7	29.4	15.1	11.4	6.2	31.7		
-300		7 2	3.8	2.1	1.5	2.2	4.1	6.4	13.8	24.3	28.2	30.7	27.5	12.5	11.9	6.9	32.6		
-301		7 3	3.3	2.0	1.0	2.2	4.5	6.7	14.5	25.2	29.6	31.7	25.6	13.3	15.9	9.1	32.6		
-302		7 5	3.2	2.2	1.1	2.2	4.3	7.0	15.0	27.4	31.6	34.7	26.2	16.2	13.9	3.9	30.4		
-303		7 7	3.6	3.2	2.1	3.0	5.1	6.9	14.8	28.1	34.4	36.5	26.3	13.1	12.3	.1	32.2		
-309		7 32	4.2	5.0	4.4	6.9	7.9	11.1	20.1				17.1	12.4	9.1	34.8			
-310		7 33	3.2	6.2	5.3	6.1	7.4	11.1	20.2	33.0	38.5	34.3	34.3	17.5	12.4	8.8	32.6		
-311		7 35	4.9	6.7	5.5	5.9	7.3	10.9	19.2	31.6	38.0	43.0	38.1	21.8	16.5	11.8	31.7		
-312		7 36	4.7	6.5	5.7	6.0	6.8	10.5	18.8	31.1			29.4	22.5	13.8	31.3			
-313		7 38	4.6	5.8	5.8	6.6	7.1	10.7	18.9	30.1			28.6	20.8	13.3	32.6			
-319		7 59	4.5	8.9	13.8	15.8	10.6	12.5	20.0				32.5	28.8	21.3	35.3			
-320		8 0	5.0	7.6	11.1	18.9	11.8	12.2	20.2	33.4			33.0	30.5	26.5	21.7			
-321		8 1	4.8	7.1	9.1	19.4	13.7	13.0	19.9	33.6	40.7			27.3	20.8	32.2			
-322		8 3	4.3	7.0	8.2	16.6	17.4	15.7	21.8	33.5	37.7			32.3	31.0	24.2			
-323		8 8	4.9	5.7	6.1	11.6	19.2	19.2	24.3					36.5	32.4	32.2			

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

DATABASE:  
 DISTANCE 2377 M

PARAMETERS:  
 ALL DATA LISTED

DATE 02 FEB 87  
 PAGE E95

TEST NO.	DATE	1/3 OCTAVE BAND FREQUENCY (HZ)												OASPL AL (DB) (DBA)					
		START TIME (HR-MIN)	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300		8000	10000			
AA-104-272	25 SEP 80	7 30	-6.0	-6.9	-7.5	-5.0	-2.0	-12.9	-18.7										
-273		7 32	3.1	1.7	.5	1.6	1.6	-2.3											
-274		7 34	6.6	4.3	1.9	2.6	.5	-4.5											
-275		7 36	.1	.0	.1	1.1	-1.5	-6.0											
-276		7 38	5.1	.9	-1.2	-9	-2.9	-5.7											
-279		8 0	10.1	10.2	10.6	10.3	7.1	2.7											
-280		8 2	10.0	8.3	9.9	12.4	10.2												
AA-104-286	30 SEP 80	14 30	6.9	6.4	3.9	4.5	2.9	-7											
-287		14 31	10.4	8.0	5.9	6.1	3.1	-1.4											
-288		14 33	12.9	10.3	7.8	7.9	6.0	1.8											
-289		14 34	12.5	10.1	7.8	7.5	4.0	-3.6											
-290		14 37	12.1	9.3	6.9	6.7	4.4	1.0											
-296		15 13	12.1	9.1	6.4	6.4	4.2	-1.1											
-297		15 25	13.4	11.5	9.7	9.5	7.1	2.1											
AA-103-299	01 OCT 80	7 0	4.9	5.3	7.1	6.0	4.6	6.0	1.6										
-300		7 2	7.7	6.3	1.4	2.2	-7.3	-9											
-301		7 3	3.6	3.9	2.3	6.6	7.8	8.1											
-302		7 5	2.3	7.4	6.6	1.8	3.9	4.7											
-303		7 7	.6	7.5	8.1	4.0	6.8	8.3											
-309		7 32	7.4	4.2	3.3	2.3	7.5	3.5	-7										
-310		7 33	7.1	2.5	2.0	3.5	6.2	4.8	2.7										
-311		7 35	12.5	5.8	1.3	8.3	7.3	12.1											
-312		7 36	9.1	11.8	4.6	11.2	11.7	11.3											
-313		7 38	7.9	9.7	6.0	10.1	10.6	9.1											
-319		7 59	18.5	11.5	7.4	9.2	10.4	11.1											
-320		8 0	19.2	10.1	7.4	7.2	6.6	6.6											
-321		8 1	16.3	7.9	6.3	5.3	6.3	6.3											
-322		8 3	19.3	14.3	4.1	4.1	3.4	4.3											
-323		8 8	25.1	15.6	8.2	3.6	6.0	5.8											

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE 096

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-104-304	01 OCT 80	7 17	-7.2	-9.9	-3.7	-4.9	-1.5	-2.9	-2.4	2.4	7.7	4.8	-7.4	-13.2	-11.5	-6.3	31.4		
-305		7 19	-6.4	-9.9	-4.8	-2.5	-7	-5	-7	3.9	7.1	5.8	-5.3	-11.6	-11.6	-8.1	31.4		
-306		7 21	-6.7	-10.2	-6.3	-3.6	-4	1.0	.5	5.2	8.6	6.2	-5.3	-11.3	-11.0	-8.9	31.4		
-307		7 22	-6.5	-10.9	-7.1	-3.3	-3.1	-2.6	-3.2	3.4	6.1	5.0	-6.7	-12.3	-12.0	-10.0	32.3		
-308		7 24	-6.0	-10.7	-7.2	-2.6	-2.0	-1.7	-2.1	3.2	7.1	4.3	-7.4	-13.6	-13.1	-10.8	31.4		
-314		7 44	-8.5	-6.3	-4.5	-5.1	-1.0	.6	3.0	7.6	14.3	12.2	2.3	-4.8	-5.9	-4.6	31.3		
-315		7 46	-8.3	-6.1	-5.5	-5.2	-3.3	.7	4.7	7.2	12.5	12.5	1.4	-4.9	-5.7	-3.8	31.4		
-316		7 47	-8.6	-5.6	-7.1	-5.6	-3.9	-1.5	1.7	5.3	9.9	8.7	-9	-8.1	-10.5	-11.9	31.3		
-317		7 49	-8.7	-6.9	-4.2	-6.0	-1.9	.2	-3	3.8	6.3	5.8	-4.9	-11.5	-12.0	-10.0	31.4		
-318		7 50	-7.7	-8.4	-1.3	-5.5	.4	1.7	2.0	7.2	8.6	10.3	1.2	-7.7	-10.0	-9.3	34.5		
-324		8 15	-8.6	-7.1	-4.4	-7.4	-4.0	-2.4	-1.1	1.4	6.7	5.1	-6.2	-12.3	-12.7	-10.0	33.1		
-325		8 17	-8.8	-5.7	-5.2	-4.7	-1.4	1.1	2.2	2.1	7.0	9.4	2.2	-7.4	-12.9	-13.4	33.1		
-326		8 18	-8.7	-6.4	-6.1	-5.2	-3.3	1.7	2.2	3.0	7.7	8.2	-7	-9.8	-12.9	-12.4	32.3		
-327		8 20	-7.5	-8.2	-2.6	-5.3	1.7	3.6	7.5	5.6	9.8	9.6	1.2	-5.8	-8.3	-8.7	31.3		
-328		8 22	-4.1	-7.4	-3.6	-1.0	.7	5.6	9.3	13.2	17.4	14.9	6.0	-2.1	-5.0	-5.2	30.4		
-329		8 24	-3.6	-6.7	-2.4	-2.0	1.2	6.2	7.6	11.4	17.1	16.7	9.4	.3	-5	-1	33.6		
AA-105-330	16 DEC 80	7 29	-3.1	-4.4	-5.5	-2.1	1.4	6.7	12.5	16.3	19.0	27.6	22.6	18.9	15.1	29.5			
-331		7 31	-3.8	-4.6	-6.4	-4.0	.0	6.6	16.3	15.1	18.0	23.9	26.7	18.8	13.2	11.5			
-332		7 34	-7	-1.6	-3.1	-1.4	1.9	5.7	12.3	15.5	19.2	19.1	20.7	23.4	21.6	18.6			
-333		7 36	.8	.2	-1.6	-.5	1.7	4.6	13.8	16.9	22.8	30.2	23.7	18.5	13.2	34.5			
-334		7 39	-1.9	-2.5	-4.7	-3.0	-4	1.8	9.4	15.5	20.9	24.6	26.9	20.0	17.4	14.4			
-335		7 41	-.8	-.6	-2.2	-1.0	2.4	6.1	15.6	19.3	23.6	27.6	22.1	19.3	16.4	33.6			
AA-106-326		7 51														25.9			
-327		7 53		11.9	12.7	14.7	14.7	18.7	17.0	20.3	24.7	27.7	26.5			21.6			
-328		7 56		11.9	15.2	15.2	13.7	17.0	20.3	24.7	27.7	27.7				27.4			
-329		8 7														30.6			
-340		8 9	12.2	12.3	14.3	16.0		19.7	24.2	28.1						27.1			
-341		8 11	16.5	17.7	18.6		23.9	24.7	30.4	32.7						33.5			
AA-105-354	17 DEC 80	13 13	5.7	10.7	11.2			16.2	18.0	21.0	24.9	27.5	28.4	24.9	25.3	23.5	47.6		
-355		13 17	3.9	7.3	9.0		11.9	13.9	16.4	19.9	23.7	26.5	25.7	20.8	20.9	21.6	34.6		
-356		13 18						24.0	28.0	30.2	30.4	30.2	30.4	26.9	27.6	26.6	34.6		
-357		13 20	5.5	9.1	11.5		14.5	15.9	19.6	23.2	27.1	28.8	28.2	26.1	26.9	26.1	34.6		
-358		13 22					11.3	19.2		22.9	28.7	31.0	31.2	27.6	28.2	26.3	34.1		
-359		13 23					12.0			22.9	28.8	31.8	31.3	26.8	26.9	25.6	26.0		
AA-106-360		13 42	1.5	.3	-.3	.0	2.4	3.2	9.5	19.4	27.2	32.9	29.5	21.2	15.7	11.7	33.5		
-361		13 45	.3	-.2	-.7	-1.3	.8	2.0	8.3	17.1	24.7	30.1	27.4	18.5	10.6	6.2	34.4		
-362		13 50	.2	-.4	-1.3	-1.3	1.9	3.7	11.0	21.0	23.5	29.7	29.8	21.5	15.9	12.5	32.2		
-363		13 54	-2.5	-5.0	-4.7	-4.2	-4	4.0	11.2	19.0	22.4	26.0	20.2	13.3	10.3	5.1	30.3		
-364		13 57	1.0	-1.7	-2.7	-2.2	1.2	3.7	9.2	16.5	21.4	26.6	23.9	14.3	9.6	5.7	34.0		
-365		14 1	.0	-1.5	-2.3	-2.3	1.1	3.1	11.4	20.9	25.6	31.4	29.3	19.4	11.8	8.4	34.4		
-366		14 6	-.2	-1.1	-1.3	-1.1	1.7	4.1	10.4	19.0	25.4	32.0	30.7	21.8	14.6	11.0	32.9		

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-BOB-081  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE 596

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)				
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000		
AA-104-304	01 OCT 80	7 17	-7.2	-8.4	-8.2	-9.9	-12.2	-14.9										-3.9	-8.5
-305		7 19	-7.6	-9.3	-9.2	-12.4	-13.5	-15.9										-3.7	-9.4
-306		7 21	-7.6	-8.5	-7.1	-10.1	-12.7	-15.2										-2.9	-8.4
-307		7 22	-7.3	-9.7	-9.3	-11.0	-14.5	-17.9										-4.6	-10.1
-308		7 24	-7.1	-8.7	-7.3	-7.6	-10.6	-15.0										-3.9	-8.3
-314		7 44	-3.0	-6.5	-5.5	-6.8	-9.2	-13.0										.3	-5.6
-315		7 46	-3.8	-5.8	-5.7	-6.2	-8.1	-11.3										.2	-4.8
-316		7 47	-9.8	-9.1	-8.8	-8.2	-11.0	-16.0										-2.6	-8.7
-317		7 49	-6.8	-7.1	-8.4	-7.4	-10.6	-16.6	-21.0									-4.6	-11.0
-318		7 50	-9.3	-10.0	-8.8	-7.6	-11.1	-16.0	-19.1									-3.5	-10.4
-324		8 15	-8.5	-10.7	-11.1	-11.3	-14.1	-19.8										-4.0	-10.7
-325		8 17	-11.2	-11.5	-11.3	-11.9	-14.2	-17.5	-16.3									-4.6	-11.4
-326		8 18	-10.5	-11.6	-12.3	-11.4	-13.6	-17.8										-4.2	-10.8
-327		8 20	-8.8	-9.5	-10.5	-10.6	-11.7	-15.5	-17.8									-2.7	-10.0
-328		8 22	-7.3	-8.4	-7.8	-6.6	-7.7	-11.0										1.2	-5.5
-329		8 24	-2	-4.2	-7.3	-6.9	-8.5	-11.9										2.6	-4.6
AA-105-330	16 DEC 80	7 29	10.3	5.8	5.2	5.1	2.0	-3									10.7	8.5	
-331		7 31	7.7	4.1	2.5	1.9	-2.6	-7.6									8.0	3.7	
-332		7 34	16.0	10.6	7.7	3.8	-3.5	-12.2									7.6	1.6	
-333		7 36	9.5	4.7	3.8	2.1	-1.2	-4.3									10.1	5.8	
-334		7 39	10.3	5.5	4.1	3.0	-1.9	-5.8									8.1	5.0	
-335		7 41	13.1	7.9	5.0	2.9	-3.6										10.8	6.7	
AA-106-336		7 51	22.5	19.1	16.7	12.4	3.8	-5.6									14.7	5.8	
-337		7 53															28.2	41.6	
-338		7 56															24.2	31.5	
-339		8 7	24.3	21.8													36.8	30.7	
-340		8 9	23.5	21.1	19.1	16.6											26.5	24.3	
-341		8 11	24.8	22.2	20.2												28.9	27.8	
AA-105-354	17 DEC 80	13 13	21.4	17.6	17.1	16.3											21.7	20.9	
-355		13 17	21.8	20.0	20.7												20.4	23.3	
-356		13 18	25.4	21.6	21.6												27.1	26.3	
-357		13 20	24.5	21.0	20.5												23.4	25.4	
-358		13 22	23.6	19.7	18.0	14.6											23.2	21.5	
-359		13 23	23.5	19.5	18.1	15.4	8.4										21.6	17.6	
AA-106-360		13 42	8.6	5.5	5.0	4.2	2.3										11.4	8.9	
-361		13 45	3.5	1.1	1.2	2.2	1.2										9.6	5.9	
-362		13 50	7.4	4.6	3.6	3.3	1.4										11.1	7.8	
-363		13 54	.3	-8	-1.6												8.6	6.1	
-364		13 57	3.0	.9	.2	-1.4	-4.3										8.7	3.3	
-365		14 1	5.7	3.7	4.2	5.6	3.8										10.4	8.6	
-366		14 6	7.8	6.8	5.4	6.0											11.4	11.4	

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS  
 IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-105-081  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 67  
 PAGE 097

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)				
			25	31	40	50	63	80	100	125	160	200	250	315	400	500							
AA-105-367	08 JAN 61	10 30		1.6	7.9	11.4	32.6	30.3	25.2	20.2	13.6	8.8	2.0	35.4									
-369		10 34	-1.1	3.4	7.3	12.4	17.8		27.2	23.3	19.0	17.0	12.2	34.5									
-370		10 35	-2.0	2.6	8.0	13.7		27.1	23.1	18.7	14.9	10.9		35.8									
-371		10 37	-1.3	2.8	8.7	14.0			22.4	18.4	16.2	12.0		35.4									
-372		10 39	-1.7	2.4	7.7	14.6			23.1	17.7	15.1	11.1		34.5									
-373		10 41	-1.8	2.7	8.5	15.2			23.6	18.5	16.6	12.8		35.4									
-374		10 43	-1.8	2.4	7.9	14.1			24.0	19.3	17.5	13.2		34.5									
-375		10 45	-2.4	2.4	7.6	14.6			23.3	19.3	17.6	13.7		36.3									
-376		10 46	-1.1	3.1	9.1	15.5			24.2	19.5	17.4	14.2		36.7									
-377		10 48	-1.3	3.7	9.4	15.7			19.7	16.6				34.5									
AA-105-388	09 JAN 61	14 9	-1.2	3.5	8.7			19.4						36.3									
-389		14 12	-1.5	4.2	9.6									36.3									
-390		14 14	-1.4	3.0	7.9									16.2									
AA-106-391		14 38	-1.3	2	8.7	12.3			23.5	28.1	28.5	24.8	17.9	10.8	11.3	8.9	6.1	15.2					
-392		14 42	1.1	4.6	12.4	12.9			21.3	28.7	27.3	23.8	17.0	10.8	7.3	4.8	1.9	37.1					
-393		14 44	-1.5	1.8	10.7	13.1			23.6	30.0	30.7	27.4	21.3	15.3	11.3	7.8	4.5	41.2					
-394		14 45	-1.7	1.7	11.4	14.2			24.8	28.8	30.1	27.4	20.6	12.2	7.7	4.7	1.7	37.1					
-395		14 47	-1.6	1.9	11.8				26.8	28.2	25.5	19.5	12.4	9.1	5.7	1.6		35.3					
-396		14 49	-1.7	1.6	10.6	12.6			22.7	28.3	27.8	25.7	18.8	11.7	7.0	3.3	-1.5	36.2					
-397		14 50	-1.5	2.0	10.3	11.8			25.6	27.2	28.1	24.8	17.5	11.1	8.4	5.2	1.3	38.5					
-398		14 52	-1.7	2.9	11.8	12.1																	
AA-105-399	13 JAN 61	8 7	3.4	8.8	14.8				36.6	33.7	29.6	28.0	25.7	23.1				35.4					
-400		8 11	9.9	15.4					33.7	33.2	28.5	23.1	22.5	20.9	19.9			37.6					
-401		8 13	11.5	16.5					36.2	36.3	33.4	28.6	27.0	24.6	21.3			41.7					
-402		8 14	9.5	14.9					37.5	37.5	34.0	28.8	27.5	25.1	22.0			34.5					
-407		8 35	4.3	9.8	16.1	25.5			27.9	26.8	24.9	21.7						34.5					
-408		8 37	1.8	8.1	13.9	25.0			28.5	26.8	25.0	21.7						34.5					
-414		13 11	5	3.9	8.7	17.1	25.2		34.2	33.5	31.2	26.9	23.6	22.1	19.2			36.7					
-415		13 14	1.8	6.6	12.1				34.6	34.8	32.7	28.1	25.0	23.7	20.9			34.5					
-416		13 16	2.7	6.8	11.8				35.3	34.8	32.8	28.7	25.1	24.2	21.2			35.4					
-417		13 18	1.5	5.6	11.1			25.4	27.1	30.6	34.7	35.0	32.6	28.2	24.9	24.3	21.3	35.8					

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-80B-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE E97

TEST NO.	DATE	START TIME (MR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DB)									
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000							
AA-105-367	08 JAN 81	10 30	-3.6	-8.3	-10.4	-7.1	-9.3															-1.1	-5.7	
-369		10 34	8.3	3.9	3.8	.2																	11.8	6.6
-370		10 35	7.0	3.0	2.5	2.1																	11.5	6.5
-371		10 37	7.6	5.3	4.2	3.0																	12.8	8.0
-372		10 39	6.8	4.0	1.1	.7																	10.8	5.8
-373		10 41	9.0	6.8	6.5	4.0																	13.8	9.3
-374		10 43	9.3	6.5	7.3	5.0																	14.2	10.0
-375		10 45	9.8	6.4	5.1	2.3																	13.1	8.5
-376		10 46	9.2	4.4	4.6																		14.2	10.0
-377		10 48	12.7	6.9	5.0																		15.5	11.4
AA-105-388	09 JAN 81	14 9	11.9	9.0	6.6	4.2																	14.8	10.5
-389		14 12	12.7	12.8	11.0																		19.8	17.3
-390		14 14	12.6	9.0	5.8	2.9	-4.7																9.9	4.2
AA-105-391		14 38	.6	-1.3	-3.0																		6.1	2.9
-392		14 42	-4.4	-5.2	-6.1	-7.1																	.9	-3.0
-393		14 44	-4.4	-6.0	-7.5	-8.6	-16.3																-4.1	-8.9
-394		14 45	-1.6	-3.4	-4.3	-5.7																	2.4	-1.6
-395		14 47	-1.3	-4.2	-4.4	-4.8																	2.6	-1.2
-396		14 49	-2.9	-5.9	-6.9	-7.6																	.1	-3.7
-397		14 50	-6.2	-9.0	-9.7	-9.6																	-2.3	-6.1
-398		14 52	-4.4	-5.8	-6.3	-7.2																	.6	-3.2
AA-105-399	13 JAN 81	8 7	20.7	18.3	16.0	12.0																	22.8	18.4
-400		8 11	18.4	16.5	14.4	10.4																	21.0	16.7
-401		8 13	18.9	16.0	13.3	9.4																	21.0	15.9
-402		8 14	19.1	16.5	14.4	9.7																	21.3	16.4
-407		8 35	18.7	16.1	13.3	9.4																	20.8	15.9
-408		8 37	19.3	16.5	14.4	10.1																	21.2	16.7
-414		13 11	17.1	15.6	13.6	9.8	1.9																16.1	11.0
-415		13 14	18.6	17.4	16.4	13.5																	22.1	19.1
-416		13 16	18.8	16.8	14.8	10.8																	21.2	17.4
-417		13 18	18.9	17.3	15.3	11.5																	21.1	17.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-DOB-081

PARAMETERS:  
 ALL DATA LISTED

DATABASE:  
 DISTANCE 2377 M

DATE 02 FEB 87  
 PAGE 098

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-106-403	13 JAN 81	0 23	-1.2	4.9	8.2	11.1	21.9	26.3	22.5	17.6	11.6	5.1	2.9	.1	-8	28.2			
-405		0 26	-2.9	1.5	8.2	11.3	19.2	19.7	17.1	12.3	9.1	1.0	-4	-4.0	-6.7	36.2			
-406		0 27	-2.7	3.2	8.4	10.8	20.8	20.8	16.3	10.2	4.3	.2	-3.4	-6.7	-9.2	34.5			
-410		0 45	-4.5	2.5	7.1	11.0	16.8	16.7	14.2	9.7	4.9	1.0	-4.6	-6.8	-8.7	23.3			
-411		0 47	-2.2	3.6	7.9	10.5	20.8	22.1	20.2	16.1	10.6	4.8	1.2	-1.2	-4.2	36.3			
-412		0 50	-4.0	2.7	7.2	11.3	19.0	18.0	14.6	10.0	6.0	1.1	-3.5	-6.1	-8.4	39.5			
-418		13 31	1.5	4.9	11.7	13.7	24.9	26.9		26.4	21.2	15.6	11.2	7.3	3.8	34.4			
-419		13 35	1.1	3.2	11.8	13.7	23.6	25.2		22.5	18.3	12.6	9.6	7.0	3.7	35.3			
-420		13 37	2.6	4.7	11.9	15.3	25.2	28.1		22.4	17.4	11.7	7.9	5.9	5.6	33.6			
-421		13 39	-1.1	3.9	12.3	13.7	26.4			25.8	20.7	13.3	5.1	2.1	1.5	35.8			
-422		13 40	1.6	5.1	12.7	14.4	22.9			28.5	22.1	16.7	11.6	8.7	5.3	38.5			
-423		13 42	-.9	4.4	11.1	12.6	28.4			39.5	38.2	34.2	28.9	25.2	23.8	34.5			
AA-105-424	15 JAN 81	0 19	-2.3	.4	7.2	19.4	28.4			39.1	37.7	32.8	28.5	24.4	22.7	19.2	35.4		
-425		0 21	-1.6	1.2	8.5	17.9	30.1			36.0		35.5	30.1	26.3	24.6	21.6	35.8		
-426		0 22	-2.5	-4	5.8	20.0	32.8			38.2	37.5	37.8	34.9	30.0	25.7	21.3	35.8		
-427		0 23	-2.3	.0	6.7	17.9	24.4	31.9		38.2	37.5	37.8	34.9	30.0	25.7	21.3	35.8		
-428		0 25	-2.4	.3	7.8	17.8	22.8	30.4		20.5		33.4	28.6	23.7	20.4	16.8	34.5		
AA-106-429		0 33	-.5	.4	9.9	17.6											35.3		
-430		0 34	-4	.1	9.9	17.1											34.6		
-431		0 36	-.3	.6	11.0	17.9											35.3		
-432		0 37	-1.7	-1.2	9.8												34.5		
-433		0 39	-1.0	-2	10.1												34.5		
AA-106-438	03 FEB 81	9 38	-2.5	-3.2	.7	2.9	7.8	10.3	12.6	16.5	20.1	16.1	5.1	-6.0	-5.7	-4.9	35.3		
-439		9 43	-1.1	-4.1	-4	5.1	11.0	14.4	20.6	21.8	23.2	22.7	12.9	.8	.9	-1	35.3		
-440		9 48	-1.6	-2.9	1.8	6.9	8.1	9.7	15.8	20.2	21.0	18.6	6.8	-2.4	-3.5	-3.7	19.2		
AA-105-441	04 FEB 81	0 22	4.5	9.2	8.4	9.6	11.9	15.7	19.3	20.9	23.2		19.0	15.7	12.7	10.0	38.3		
-442		0 23	8.0	13.9	14.3	16.5	18.1			22.4				17.3	12.4	12.4	36.4		
-443		0 27	2.3	9.7	10.7	13.4	16.4							18.3	15.5	13.1	32.8		
-444		0 28			10.8										13.0	13.0	37.8		
-445		0 30			11.5	12.9	15.4							19.5	17.0	14.0	37.3		
AA-106-446		0 38	-4.8	-6.2	-2.9	3.5	9.6	11.0	13.5	15.7	18.2	13.0	.8	-6.1	-7.9	-9.8	37.1		
-447		0 40	-2.2	-4.2	-.9	5.1	9.1	14.9	20.2	22.0	24.2	20.9	6.4	-1.1	-3.6	-5.4	32.6		
-448		0 41	-2.7	-4.4	-2.2	3.7	14.0	16.6	19.8	21.6	24.2	18.5	4.9	-2.2	-4.1	-6.0	37.1		
-449		0 43	-3.7	-6.3	-3.9	1.0	8.0	11.5	15.8	17.9	19.8	16.9	3.1	-5.9	-8.6	-9.3	36.2		
AA-106-455	12 FEB 81	13 56	.3	-2.2	-1.7	1.6	9.8	13.5	21.1		29.6		19.3	7.7	5.5	4.4	34.4		
-456		13 58	4.1	1.0	1.3	4.4	16.4	25.5		33.2			22.8	14.7	14.6	13.6	35.3		
-457		14 1	-1.1	-3.9	-2.6	1.5	9.6	13.6	21.6								34.4		
-458		14 6	1.2	-1.6	-1.6	2.0									11.0	8.6	33.1		



TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEO (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-DOB-DB1  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE 898

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)					
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000			
AA-106-403	13 JAN 81	0 23	-3.8	-6.8	-8.5	-9.2												1.8	-4.1	
-405		0 26	-9.6	-11.3	-11.8	-12.4													-2.7	-8.4
-406		0 27	-12.2	-14.9	-15.3	-14.5	-24.8												-10.4	-17.4
-410		0 45	-10.9	-13.7	-13.9	-14.5	-25.1												-10.3	-17.0
-411		0 47	-6.9	-8.1	-8.8	-9.3													-1.1	-5.3
-412		0 50	-10.0	-12.8	-12.5	-12.7	-23.9												-9.4	-16.0
-418		13 31	-1.6	-1.7	-3.2	-6.6													3.7	-1.8
-419		13 35	1.3	-1.6	-1.3	-1.2													6.9	2.6
-420		13 37	1.3	-3.4	-7.5	-10.2													1.4	-3.8
-421		13 39	3.1	1.7	-1.6	-3.6													7.3	2.4
-422		13 40	-1.3	-4.2	-5.8	-6.4													3.8	-1.2
-423		13 42	3.2	1.6	-1.8	-4.5													7.1	2.0
AA-105-424	15 JAN 81	0 19	17.4	13.9	11.9	8.8	1.2												15.3	10.1
-425		0 21	16.4	13.1	10.5	7.3	-2	-12.8											6.8	0
-426		0 22	17.8	15.1	12.8	9.7	1.7												15.7	11.0
-427		0 23	18.0	13.8	11.5	8.2	.7												14.8	9.6
-428		0 25	13.3	10.6	8.0	4.6	-2.9	-13.0											6.6	-1.4
AA-106-429		0 33	13.1	11.5	7.7	1.9	-6.3												6.4	2.5
-430		0 34	15.5	12.9	9.8	5.3	-3.7												9.0	5.1
-431		0 36	13.8	8.9	4.2	-1.9	-11.3												2.0	-2.2
-432		0 37	12.2	8.7	5.4	1.3	-6.0												6.4	2.6
-433		0 39	12.3	9.1	5.6	1.4	-8.1												4.9	.8
AA-106-439	03 FEB 81	9 38	-4.6	-1.1	4.9														3.4	.1
-439		9 43	-1.9	1.9															8.8	5.4
-440		9 48	-5.1	-2.9	3.2														4.9	.6
AA-105-441	04 FEB 81	0 22	8.3	6.9															7.2	.4
-442		0 23	10.9	8.6					3.3	-3.7	-12.2								10.7	3.9
-443		0 27	11.2						3.8	-4.2	-10.9								7.9	1.4
-444		0 28	11.3																21.7	19.1
-445		0 30	11.2	9.2															18.6	15.6
AA-106-446		0 38	-11.4	-10.1	-8.6	-6.1													-1.3	-5.5
-447		0 40	-7.6	-6.0	-3.8	-1.6													2.7	-2.1
-448		0 41	-7.6	-7.3	-6.7	-2.8													1.6	-3.3
-449		0 43	-9.6	-8.5	-6.8	-4.0													-1.2	-5.0
AA-106-456	12 FEB 81	13 56	2.2	-1.8															11.2	8.1
-456		13 58	12.1	8.6															16.5	16.7
-457		14 1	1.9	-1.5	-4.0														9.8	3.8
-458		14 6	5.8																14.6	15.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LOG (1/R + ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 13.1  
 TEST AA-808-081

PARAMETERS:  
 ALL DATA LISTED  
 DATABASE:  
 DISTANCE 2377 M  
 DATE 02 FEB 87  
 PAGE 099

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)																SAMPLE DURATION (SEC)
			25	31	40	50	63	80	100	125	160	200	250	315	400	500			
AA-105-469	25 FEB 81	12 59	4.4	6.4	9.4	10.3	11.1	13.5	15.4	17.9	20.1	21.2	20.6	22.3	20.1	34.4			
-470		13 1	5.2	4.8	4.8	7.6	9.0	12.6	17.1	24.0	28.6	28.3	23.7	22.9	20.1	34.9			
-471		13 2				6.8	7.1	7.9	10.8	14.8	23.8	31.2	30.8	26.9	24.4	10.8			
-472		13 4				5.5	4.2	5.3	6.8	7.9	11.0	16.2	24.6	29.5	30.5	38.5			
-473		13 5				4.2	3.5	5.7	7.7	8.2	13.3	18.8	25.1	28.9	29.1	16.9			
AA-106-464		8 33	9.0	9.4	9.4	9.9	12.1	10.6	16.2	22.3	30.0	35.8	28.3	23.9	31.3				
-465		8 34	10.1	10.4	10.7	14.2	13.9	19.4	24.6	30.6		29.2	25.5	33.1					
-466		8 36	9.4	8.9	9.0	11.6	10.1	15.4	21.5	31.2		35.5	28.7	24.3	33.5				
-467		8 37	10.2	11.4	13.0	16.7	14.6	19.6	25.1	31.3		29.6	29.1	25.0	28.2				
-468		8 39				8.0	9.0	11.6	10.3	15.3	20.7	28.0	34.5	28.4	23.9	33.5			
-474		13 16				9.4	8.8	7.5	7.3	9.9	8.2	11.5	17.8	24.6	29.8	35.3			
-475		13 18				5.0	3.7	3.8	6.3	10.3	9.4	14.0	28.4	26.6	23.8	33.5			
-476		13 19				4.9	4.1	3.2	4.3	6.5	4.6	6.4	12.0	18.0	26.3	34.4			
-477		13 26				5.4	4.5	4.4	5.8	8.1	8.5	14.2	17.9	21.4	26.0	35.3			
-478		13 29				7.8	8.3	7.8	8.9	10.7	11.0	14.5	19.0	25.2	28.8	34.0			
AA-105-479	27 FEB 81	7 15	-1.8	-5.3	-7.8	-6.7	-1.1	-1.1	6.8	16.8	28.2	33.5	31.2	17.2	14.8	14.1			
-480		7 17	-1.6	-5.0	-7.7	-6.4	-1.2	-1.2	6.2	15.8	28.3	34.3	28.2	14.7	13.8	12.2			
-481		7 18	-1.6	-5.2	-7.6	-6.5	-1.1	-1.3	6.4	15.5	27.6	35.2	31.5	16.5	15.9	14.5			
-482		7 20	-2.3	-5.0	-7.4	-6.0	-1.6	-2.2	6.3	15.7	28.1	35.5	31.6	17.5	15.8	16.4			
-483		7 21	-2.0	-5.5	-7.9	-6.4	-1.1	-1.7	5.9	15.1	28.0	34.7	30.9	16.8	17.5	14.1			
-489		7 43	-2.8	-5.7	-7.8	-5.7	-1.9	-1.8	4.6	12.4	23.2	23.8	26.6	22.7	13.8	12.2			
-490		7 45	-2.9	-6.0	-7.9	-5.7	-1.1	-1.3	5.4	14.6	21.5	20.8	25.5	20.7	14.4	10.7			
AA-106-485		7 29	4.2	2.5	1.9	1.7	4.0	3.5	9.9	19.3	26.4	37.9	25.4	21.1	33.1				
-486		7 31	4.5	2.9	1.5	1.3	3.3	2.4	10.2	20.4	29.3	37.3	23.3	17.5	34.4				
-487		7 32	4.0	2.3	.6	.3	2.5	2.4	9.3	19.1	26.8	36.4	21.3	14.9	35.3				
-488		7 34	4.7	2.3	1.6	1.1	3.1	2.3	9.0	17.7	24.8	38.4	23.4	18.4	34.4				
-491		7 51	9.6	11.0	11.5		18.5	23.2	27.7	31.4	37.5	27.2	27.2	34.9					
-492		7 53	10.6	11.8	12.0		16.5	21.7	28.2		37.1	27.9	27.2	36.2					

ESA STATISTICS:  
 MINIMUM (-11.1 -12.4 -12.1 -10.6 -10.2 -10.4 -8.7 -4.2 -2.7 1.6 -7.4 -13.6 -13.1 -13.4 -29.4)  
 MAXIMUM (13.5 16.5 17.7 25.5 26.8 32.8 38.2 39.5 40.7 43.0 38.4 34.1 36.5 32.4 47.6)  
 AVERAGE (.2 1.8 3.4 5.2 6.5 10.2 14.1 18.9 22.5 23.4 21.4 14.3 13.2 10.8 31.8)  
 STANDARD DEVIATION (5.2 6.3 6.9 7.6 7.1 8.3 8.4 9.4 9.3 9.2 10.9 11.6 11.9 11.0 5.7)  
 NUMBER OF DATA POINTS (256 290 304 281 241 275 261 263 254 211 255 253 283 293 328)

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEG (1/R \* ABS NORMALIZED)  
 LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS  
 DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:  
 OMEGA 19.1  
 TEST AA-808-081

PARAMETERS:  
 DATABASE: DISTANCE 2377 M  
 ALL DATA LISTED  
 DATE 02 FEB 87  
 PAGE 899

TEST NO.	DATE	START TIME (HR-MN)	1/3 OCTAVE BAND FREQUENCY (HZ)											OASPL (DB)	AL (DBA)			
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300			8000	10000	
AA-105-469	25 FEB 81	12 59	16.5	12.3	10.2	5.9	-2.8	-14.0									6.3	.0
-470		13 1	17.0	13.4	11.5	8.3	2.9										15.0	12.6
-471		13 2	21.1	17.7	16.1	13.5	7.5										16.0	17.0
-472		13 4	18.6	15.1	13.1	10.3	4.9										15.0	14.6
-473		13 5	21.3	18.1	15.8	13.1	6.5										16.6	16.7
AA-106-464		8 33	18.6	13.7	10.2	7.3	.1										16.5	10.1
-465		8 34	20.1	14.5	10.9	8.6	1.1										18.2	11.1
-466		8 36	18.7	13.6	10.3	7.8	.7										16.7	10.6
-467		8 37	19.7	14.8	11.9	9.6											21.9	17.7
-468		8 39	18.7	14.2	10.8	7.7	-9										15.5	9.2
-474		13 16	17.5	13.4	10.7	9.7	6.2										16.0	14.6
-475		13 18	16.9	12.3	9.9	8.5	4.2										16.2	13.1
-476		13 19	14.0	8.4	5.3	3.2	-1.6										11.1	7.8
-477		13 26	13.8	9.7	6.4	4.0	.7										14.3	10.0
-478		13 29	17.2	13.3	10.6	9.7	6.2										17.3	14.5
AA-105-479	27 FEB 81	7 15	13.6	10.6	10.3	3.4	-4	-4.4									8.9	6.9
-480		7 17	12.8	11.8	11.1	5.1	1.7	-1.4									9.2	8.8
-481		7 18	11.7	12.3	11.4	7.5	2.7	.6									9.7	10.2
-482		7 20	11.6	10.4	11.0	4.7	1.2	-1.5									9.5	8.7
-483		7 21	12.8	12.1	9.5	5.2	2.1	-1.1									9.5	9.2
-489		7 43	9.4	6.2	4.3	3.4	-1.2	-4.6									7.9	6.0
-490		7 45	8.2	4.4	3.1	2.4	-3.7	-6.5									7.4	4.3
AA-106-485		7 29	16.2	10.1	4.1	1.6	1.2	-5.5									10.9	5.1
-486		7 31	8.0	1.0	-2.7	-4.3	-6.8	-10.5									6.6	-8
-487		7 32	6.5	-2	-4.1	-5.6	-8.2	-12.7									5.9	-2.4
-488		7 34	12.1	6.1	2.5	-1.2	-2.9	-6.9									8.8	3.0
-491		7 51															25.0	35.8
-492		7 53		20.7													24.9	29.4

ESA STATISTICS:

MINIMUM	-12.2	-14.9	-15.3	-14.5	-25.1	-19.8	-21.0	-21.4
MAXIMUM	30.5	27.8	25.4	24.8	22.1	21.2	2.7	-7.0
AVERAGE	8.4	6.2	4.5	2.5	-3	-4.1	-10.6	-19.6
STANDARD DEVIATION	10.2	9.5	8.5	8.2	8.1	8.2	7.0	5.3
NUMBER OF DATA POINTS	295	292	265	261	211	164	33	5

END

DATE

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