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AIRBORNE MEASUREMENTS OF VOR/LOCALIZER SIGNAL STRENGTH AND DESIRED TO UNDESIRED SIGNAL RATIOS

Volume I

VOR and Localizer Free Space Interactions
Chickasha, Oklahoma

Robert E. Everhart
Spectrum Management Staff

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November 1975
Final Report

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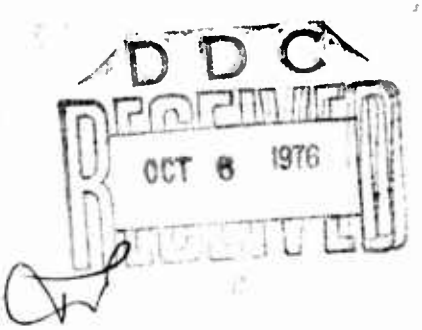

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16. Abstract

This report contains the results of airborne tests to obtain VHF Navaid signal strength measurements and also facility flyability recordings with two different Localizer and VOR Facility spacings. The tests were conducted with the VOR and Localizer transmitters on adjacent-channels. The data presented are measurements of the signal strengths of the facilities examined as well as crosspointer deviation and flag currents.

Volume I - VOR and Localizer Free Space Interactions Chickasha, Oklahoma.

Volume II - Love Field Dallas, Texas, Westmoreland Field Latrobe, Pa., 8-Loop, V-Ring and Twin-T Localizer Antenna Types.

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METRIC CONVERSION FACTORS

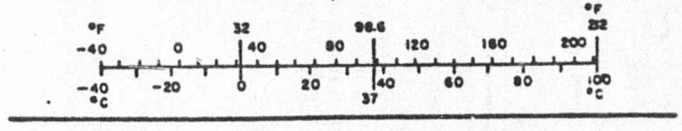
Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
		LENGTH		
in	inches	*2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
		AREA		
in^2	square inches	6.5	square centimeters	cm^2
ft^2	square feet	0.09	square meters	m^2
yd^2	square yards	0.8	square meters	m^2
mi^2	square miles	2.6	square kilometers	km^2
	acres	0.4	hectares	ha
		MASS (weight)		
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
		VOLUME		
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft^3	cubic feet	0.03	cubic meters	m^3
yd^3	cubic yards	0.76	cubic meters	m^3
		TEMPERATURE (exact)		
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

*1 m = 2.54 (exactly).

Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
		LENGTH		
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
		AREA		
cm^2	square centimeters	0.16	square inches	in^2
m^2	square meters	1.2	square yards	yd^2
km^2	square kilometers	0.4	square miles	mi^2
ha	hectares (10,000 m^2)	2.5	acres	
		MASS (weight)		
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
		VOLUME		
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m^3	cubic meters	35	cubic feet	ft^3
m^3	cubic meters	1.3	cubic yards	yd^3
		TEMPERATURE (exact)		
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



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APPENDIX (Photographs and Illustrations)

DESCRIPTION

1. GENERAL. The tests were divided into three phases. Phase I was conducted with a portable VOR located 40 nautical miles from the Chickasha, Oklahoma, localizer on the centerline of the front course (See Appendix Fig. 1). The VOR was designated the desired station and recordings were made of the VOR and localizer (LOC) signals as received by the Flight Inspection aircraft flying TO and FROM the VOR at various altitudes. For Phase II, the VOR was located 25 nautical miles from the localizer on the centerline of the front course. The localizer was designated the desired station and the front course signal was recorded at various altitudes. For Phase III, the VOR was located 25 nautical miles from the localizer on the centerline of the front course. The VOR was designated the desired station and recordings were made flying TO the VOR from the localizer.

2. PHASE I. Phase I tests were conducted under the following conditions:

   a. Navaid Facilities (See Appendix Figs 2-6): Chickasha Localizer (non-commissioned FAA Training Facility) was maintained on 110.5 MHz and a log of all facility meter readings (power output, etc.) was maintained. A portable VOR was obtained from the Southwest Region and maintained at 110.6 MHz. During Phase I, the VOR was operated on commercial power: engine-generator power was used for Phases II and III.

   b. Flight Inspection Aircraft: The flight inspection aircraft (DC-3, N-67) was configured and maintained as follows: (See Appendix Figs. 7-9)

      (1) Two each airline quality Navaid receivers (100 kHz) were calibrated and installed in the flight inspection aircraft as the number 1 and 4 receivers. Normal flight inspection parameters were recorded (flag, crosspointer, AGC, and ident).

      (2) One general aviation Navaid receiver (100 kHz) was rented "in new off-the-shelf condition," shop checked for frequency response (See Appendis Figs. 10 & 11), and installed in the flight inspection aircraft, as the number two receiver, without adjustments. Only flag and crosspointer currents were recorded on this receiver.

      (3) A second 100 kHz general aviation Navaid receiver (different manufacturer) was rented "in new off-the-shelf condition," shop checked for frequency response, and installed in the flight inspection aircraft, as the number three receiver, without adjustments. Flag and crosspointer currents were recorded on this receiver also.

(4) Standard flight inspection signal conditioning and recording equipment were used with the following exceptions:

(a) The recording format on the CEC Model 5-119P8 recorder was rearranged to accommodate the additional receivers.

(b) Special circuitry was installed to condition the number two and three receiver signals for recording.

(c) Special attenuators were used to prevent saturation of the receiver during over-flight of the undesired facility.

(d) The flight inspection receivers were checked in the aircraft with a shop-standard signal before and after each flight to assure that the data collected was valid.

(5) Flight tests were conducted as follows:

(a) The ground facilities were tested in accordance with Commissioning Criteria to determine suitability for the program.

(b) Recordings were made TO and FROM the VOR facility at altitudes of 1,000, 2,000, 3,000, 4,000, 5,000, 10,000 and 15,000 feet above ground level. On TO flights, the recording was started five miles before passing over the localizer and was stopped on passing over the VOR. On FROM flights, the recording was started over the VOR and was stopped five miles after passing over the localizer. A reference recording was made, at each altitude, with the undesired facility off for comparison with the test recording made with the undersired facility on.

(c) Useable signal on each of the receivers is defined as the point where the flag is just peeping. This point is 240 u/a for the No. 1 and No. 4 receivers, 20 u/a for the No. 2 receiver and 50 u/a for receiver No. 3.

(d) Interference can be identified by examining the crosspointer (CP) and flag readings for receivers 1, 2 and 3. The interference results in a reduction in the flag current and/or a deviation in the crosspointer. An example of cross pointer interference can be seen in Phase III (See page 62). The interference can be found by making comparisons between the test and reference data. In Phase I there is an example of low signal strength and <u>not</u> interference (See page 18). By making comparison of the reference and test flights, one can determine whether abnormal readings are the result of interference or just low receiver input.

(e) Receivers 1, 2, and 3 were always tuned to the desired facility and No. 4 was tuned to the undesired facility.

3. PHASE II. Phase II tests were conducted under the following conditions:

a. Navaid Facilities: The VOR was located 25 nautical miles from the localizer on the centerline of the front course. The facilities were maintained and monitored the same as in Phase I, except for the facility power requirements. The portable engine-generator was used for both Phase II and Phase III VOR facility power.

b. Flight Inspection Aircraft: The flight inspection aircraft was configured the same as in Phase I. The localizer was designated as the desired station and the front course signal was recorded at 500, 1,000, 2,000, 3,000, 4,000 5,000, 10,000 and 15,000 feet. All other conditions were as in Phase I.

4. PHASE III. Phase III tests were conducted under the following conditions:

a. Navaid Facilities: The facilities were located and maintained as in Phase II.

b. Flight Inspection Aircraft: The flight inspection aircraft was configured the same as in Phase I. The VOR was designated as the desired station and the TO courses of the VOR were recorded at the altitudes of Phase II in accordance with the procedure stated in Phase I. All other conditions were as stated in Phase I.

5. SUPPLEMENTAL FLIGHT DATA

a. A special flight at 2000 feet, under Phase III conditions, was conducted in the DC-3 with the VOR facility frequency changed to 110.4 MHz (lower adjacent channel). When the frequency characteristics of the general aviation receivers were plotted, it was noted that both response curves were slightly offset below the frequency selected. This flight was made to check the susceptibility of adjacent channel interference with receivers aligned in this manner. The flight data is presented on pages 65 thru 68

b. A special flight in a Cessna Skyhawk (172) was conducted to check the effect of adjacent channel interference as seen by a third type of General Aviation Navaid receiver installed in that class of airplane. The results of the flight are found on page 69 of this report.

6. GRAPHICAL REPRESENTATION OF SIGNAL STRENGTHS AND D/U RATIOS

(a) The tabular results from all phases were considered in developing some typical signal strength and signal ratio curves. First of all, like direction/like altitude readings were averaged. The the averages were adjusted to correct for internal aircraft losses. They thus represent the signal level at the output of the aircraft antenna. The average TO readings were plotted for each of eight altitudes. The FROM readings, while not plotted, averaged 5.5 db lower than the TO readings. See Appendix B & C.

(b) The desired to undesired (D/U) signal ratios were calculated by considering the No. 1 receiver input as the desired signal and the No .4 receiver input as the undesired signal. As might be expected, the D/U ratio at any given point in space is different for the TO and FROM directions of flight. The lower of the two D/U ratios (VOR FROM/Localizer TO) were plotted for 8 altitudes and two facility separations. These curves were plotted to show how the D/U ratio varies as an aircraft nears and over-files an undesired station. As a result, only negative D/U are plotted. See Appendix D & E.

7. DATA PROCESSING

The flight recordings were analyzed by the National Flight Inspection Division, AFS-600, using a Model Oscar K. Bensen Lehner data reader coupled with an IBM, Model 24 card punch. The punch cards were then processed by the Data Services Division, AAC-300. The AGC levels were converted to micro-volt input levels for receivers No. 1 and No. 4.

8. TABULATION OF FLIGHT DATA-PHASE I

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 1000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.9L	3396	340	1.4L	190	1.4L	250		
2	1.6L	3396	360	1.1L	190	1.4L	270		
3	1.7L	3396	360	1.1L	190	1.5L	270		
4	1.8L	3396	350	1.3L	190	1.6L	260		
5	1.7L	3396	350	1.2L	200	1.5L	240		
6	1.6L	1698	340	1.0L	190	1.4L	240		
7	1.4L	1698	340	.9L	190	1.2L	230		
8	1.5L	1698	340	.9L	190	1.2L	220		
9	1.5L	1316	330	.7L	190	1.0L	210		
10	1.1L	934	330	.5L	180	.9L	210		
11	1.3L	552	330	.7L	180	.9L	200		
12	1.5L	552	340	.8L	180	1.0L	210		
13	1.5L	127	330	.8L	180	1.2L	200		
14	1.5L	127	330	.7L	180	.9L	200		
15	1.2L	127	330	.5L	180	.7L	200		
16	1.2L	85	330	.4L	180	.9L	200		
17	.9L	76	330	.4L	180	.8L	200		
18	.9L	68	330	.2L	170	.7L	200		
19	.7L	59	340	.1L	180	.5L	200		
20	.6L	51	330	.0R	180	.4L	190		
21	.7L	34	330	.0R	170	.5L	190		
22	.9L	34	330	.0R	170	.5L	190		
23	.9L	27	330	.0R	170	.6L	190		
24	1.0L	22	330	.0R	160	.6L	180		
25	.7L	20	330	.1R	160	.5L	180		
26	1.0L	17	330	.0R	160	.6L	180		
27	1.2L	14	330	.0R	150	.7L	180		
28	1.1L	14	330	.0R	150	.8L	170		
29	1.2L	12	330	.1R	150	.8L	170		
30	1.1L	10	320	.1R	140	.6L	170		
31	1.1L	10	330	.1R	140	.6L	160		
32	1.1L	7	320	.0R	130	.8L	160		
33	1.3L	7	310	.1R	120	.8L	150		
34	1.3L	7	300	.0R	110	.6L	140		
35	1.2L	7	300	.2R	100	.7L	140		
36	1.2L	5	300	.1R	90	.7L	120		
37	1.1L	5	280	.3R	90	.4L	110		
38	1.4L	5	280	.1R	80	.7L	110		
39	.7L	3	280	.4R	70	.5L	100		
40	.8L	5	260	.0R	70	.7L	90		
41	.5L	3	230	.3R	50	.5L	90		
42	.0R	3	220	.2R	40	.3L	70		
43	.0R	3	170	.0R	20	.3L	70		
44	.0R	3	170	.1R	10	.0R	60		
45	.0R	3	160	.0R	10	.2L	50		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 1000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.2L	5095	360	.7L	200	.2R	200	13	40
2	1.0L	3396	360	.4L	200	.6R	190	13	30
3	.8L	5095	370	.5L	210	.7R	210	13	40
4	.7L	3396	360	.3L	210	.8R	190	13	70
5	.5L	3396	370	.0R	210	.6R	190	13	70
6	.7L	1698	370	.1L	200	.8R	200	13	70
7	.3L	3396	370	.0R	200	.9R	190	13	100
8	.1L	1098	360	.2R	200	1.0R	190	13	120
9	.1L	1194	370	.1R	200	1.3R	190	13	140
10	.1L	674	370	.3R	200	1.1R	190	13	160
11	.2L	170	360	.2R	190	1.3R	190	13	190
12	.0R	170	370	.3R	190	1.4R	190	13	190
13	.0R	170	360	.4R	190	1.2R	180	13	230
14	.0R	143	350	.3R	190	1.1R	180	13	250
15	.2R	143	350	.6R	190	1.3R	170	13	280
16	.2R	143	360	.5R	190	1.3R	170	13	320
17	.1R	85	360	.5R	200	1.2R	180	26	350
18	.0R	75	370	.6R	190	1.2R	180	26	370
19	.2R	75	360	.6R	190	1.2R	170	26	380
20	.0R	65	350	.6R	190	1.2R	170	38	380
21	.2L	42	350	.5R	180	.9R	180	38	390
22	.3L	34	360	.3R	190	1.0R	160	51	390
23	.3L	34	350	.5R	180	.9R	160	51	390
24	.3L	25	370	.6R	180	.7R	160	51	400
25	.3L	24	350	.5R	170	.8R	160	64	400
26	.3L	19	350	.5R	170	.7R	150	77	390
27	.3L	15	350	.6R	170	.9R	160	103	400
28	.3L	15	370	.7R	170	.8R	150	115	390
29	.3L	14	360	.9R	170	.9R	150	128	390
30	.3L	10	360	.8R	160	.4R	160	180	400
31	.3L	12	360	.7R	150	.5R	150	257	400
32	.1L	8	350	1.0R	140	.6R	130	257	400
33	.4L	8	340	.9R	130	.3R	100	423	390
34	.2L	7	330	1.0R	120	.1R	90	539	390
35	.1L	7	320	1.0R	120	.3R	50	641	400
36	.2L	7	330	1.1R	100	.2R	30	1283	400
37	.1L	5	300	1.2R	60	.1R	0	5092	400
38	.4R	5	280	1.2R	40	.0R	20	9016	400
39	.4R	5	240	.0R	0	.0R	0	12825	390
40	.5R	5	80	.1R	10	.0R	0	12825	430
41	.3R	5	130	.1R	10	.1R	10	6413	380
42	.1R	3	180	.0R	0	.0R	0	12825	370
43	.4R	3	240	.8R	10	.0R	0	9016	370
44	.3R	2	190	.4R	0	.1R	10	9016	380
45	.5R	2	170	.4R	40	.2R	10	5092	390

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 1000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.5R	3396	320	.6R	190	.3R	210		
2	.0R	3396	340	.0R	190	.0R	230		
3	.1R	3396	350	.4R	190	.0R	230		
4	.0R	3396	330	.0R	190	.2L	220		
5	.7L	1698	330	.3L	190	.7L	210		
6	1.0L	1316	330	.5L	190	.9L	200		
7	.8L	934	330	.3L	190	.7L	200		
8	.8L	934	330	.2L	190	.6L	190		
9	.9L	552	320	.1L	180	.7L	190		
10	.8L	170	320	.0R	180	.6L	190		
11	.9L	127	320	.1L	180	.8L	190		
12	1.3L	76	330	.5L	180	1.0L	180		
13	1.0L	76	330	.2L	180	.7L	190		
14	1.2L	76	310	.4L	180	.8L	180		
15	1.5L	59	320	.5L	170	1.0L	180		
16	1.5L	51	320	.3L	170	.9L	180		
17	.9L	42	320	.0R	170	.5L	190		
18	.5L	32	320	.1R	170	.4L	180		
19	.4L	32	330	.3R	170	.3L	190		
20	.6L	27	330	.2R	170	.4L	170		
21	.6L	17	330	.1R	160	.5L	170		
22	.8L	15	330	.3R	160	.6L	180		
23	.5L	14	330	.3R	160	.5L	170		
24	.7L	12	330	.3R	150	.6L	170		
25	.6L	10	330	.3R	140	.7L	160		
26	.7L	8	320	.3R	140	.4L	160		
27	.9L	8	310	.2R	130	.8L	150		
28	1.2L	7	300	.3R	120	.6L	140		
29	1.0L	7	300	.3R	120	.7L	150		
30	1.1L	7	300	.1R	110	.6L	140		
31	1.1L	5	290	.2R	100	.7L	120		
32	1.2L	5	290	.1R	90	.7L	110		
33	1.0L	5	290	.2R	80	.8L	100		
34	1.1L	3	270	.4R	70	.6L	100		
35	.9L	3	270	.5R	60	.4L	90		
36	.7L	3	240	.1R	50	.5L	70		
37	1.1L	3	220	.1R	40	.3L	60		
38	.6L	3	240	.4R	50	.5L	60		
39	.5L	3	210	.1R	30	.4L	60		
40	.8L	3	190	.0R	10	.3L	40		
41	.6L	2	150	.0R	10	.4L	30		
42	.0R	2	100	.0R	10	.0R	20		
43	.0R	2	70	.0R	0	.0R	0		
44	.0R	3	10	.0R	20	.0R	0		
45	.3R	2	60	.0R	50	.0R	0		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 1000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.4L	5095	350	.0R	190	1.0R	190	13	40
2	.5L	5095	360	.2L	200	.9R	190	13	50
3	.7L	1698	370	.5L	210	.7R	210	13	70
4	.5L	3396	370	.2L	200	.7R	190	13	100
5	.6L	1698	370	.2L	210	.7R	190	13	110
6	.4L	1194	370	.1L	200	.9R	190	13	140
7	.1L	1194	370	.1R	200	1.1R	190	13	190
8	.2L	674	360	.2R	190	1.2R	180	13	230
9	.2L	170	350	.2R	200	1.1R	180	13	260
10	.3L	114	360	.2R	190	.9R	180	13	260
11	.0R	85	390	.2R	190	1.2R	180	13	270
12	.1R	85	360	.5R	190	1.2R	180	13	300
13	.1L	75	360	.2R	190	.9R	180	26	330
14	.1R	65	370	.4R	190	1.2R	170	26	370
15	.1R	75	350	.5R	190	1.2R	170	26	370
16	.0R	65	350	.5R	190	1.1R	170	38	390
17	.0R	42	350	.6R	180	1.3R	170	38	380
18	.2R	31	350	.6R	180	1.3R	160	51	390
19	.1R	31	350	.8R	180	1.1R	170	64	370
20	.0R	22	350	.7R	180	1.3R	160	77	380
21	.0R	19	350	.8R	170	1.2R	150	90	370
22	.1R	15	340	.8R	180	1.3R	150	103	370
23	.1L	15	350	.7R	160	1.0R	150	128	370
24	.0R	14	350	.6R	170	.9R	150	128	380
25	.1L	12	340	.5R	160	.7R	150	141	390
26	.1L	10	340	.8R	150	.6R	150	192	400
27	.3L	8	340	.7R	140	.7R	130	231	390
28	.0R	8	340	1.1R	130	.9R	120	295	390
29	.1L	7	330	1.0R	130	.4R	110	321	370
30	.1R	7	330	1.1R	120	.5R	100	423	370
31	.2L	7	330	1.1R	110	.2R	80	641	380
32	.3L	7	310	1.0R	100	.2R	60	641	380
33	.0R	5	310	1.0R	100	.4R	50	1283	410
34	.2R	5	320	1.1R	60	.3R	30	962	400
35	.3R	5	300	1.1R	50	.3R	30	1283	400
36	.2R	5	290	1.3R	70	.5R	30	12825	380
37	.2R	3	250	.9R	10	.1R	0	25650	390
38	.4R	3	230	.2R	0	.0R	0	25650	380
39	.4R	3	140	.0R	0	.0R	0	12825	400
40	.7R	3	70	.0R	0	.0R	0	5092	380
41	.8R	3	130	.1R	10	.0R	10	12825	380
42	1.0R	2	180	.2R	20	.1R	10	9016	410
43	1.0R	2	160	.1R	10	.1R	10	12825	380
44	.6R	2	160	.3R	10	.1R	10	5902	390
45	.4R	2	130	.2R	20	.2R	20	5902	400

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.7L	5095	360	3.3L	210	1.2L	250		
2	.6R	5095	360	.3L	210	1.2R	230		
3	.6L	5095	360	1.2L	210	.4R	230		
4	.8L	5095	370	1.5L	220	.2R	260		
5	.1L	3396	370	1.1L	220	.5R	240		
6	.0R	3396	360	.9L	220	.9R	240		
7	.0R	1698	360	.8L	220	.8R	230		
8	.4L	1698	350	1.2L	210	.4R	210		
9	.0R	1484	350	.9L	210	.7R	210		
10	.4R	1484	350	.5L	210	1.1R	210		
11	.5R	1255	350	.5L	210	1.0R	210		
12	.0R	1041	350	.9L	210	.5R	190		
13	.0R	827	350	.7L	210	.7R	190		
14	.5R	827	350	.3L	210	1.1R	190		
15	.0R	827	350	.6L	210	.6R	190		
16	.0R	613	340	.8L	210	.3R	190		
17	.0R	384	340	.6L	210	.5R	190		
18	.0R	384	340	.7L	210	.6R	190		
19	.0R	170	340	.6L	210	.6R	190		
20	.1R	143	340	.5L	200	.4R	180		
21	.0R	114	340	.5L	190	.5R	180		
22	.1R	85	340	.5L	190	.6R	180		
23	.0R	80	340	.5L	200	.6R	190		
24	.2R	80	340	.4L	200	.6R	190		
25	.2R	73	340	.3L	200	.6R	180		
26	.2R	66	340	.2L	190	.6R	190		
27	.4R	61	340	.1L	190	.8R	190		
28	.6R	54	340	.0R	190	1.0R	180		
29	.1R	49	340	.2L	200	.7R	180		
30	.0R	49	340	.4L	190	.4R	180		
31	.0R	34	330	.3L	190	.5R	180		
32	.2R	31	340	.1L	190	.7R	180		
33	.2R	31	340	.0R	190	.8R	180		
34	.2R	29	340	.0R	190	.8R	180		
35	.4R	25	340	.0R	190	1.0R	180		
36	.5R	24	340	.0R	190	.8R	180		
37	.6R	22	350	.2R	190	.8R	170		
38	.2R	19	340	.1R	180	.7R	170		
39	.2R	17	330	.1R	180	.6R	160		
40	.0R	15	330	.1R	170	.5R	160		
41	.2L	14	320	.0R	170	.3R	150		
42	.2L	14	320	.0R	160	.3R	160		
43	.0R	12	320	.2R	160	.3R	150		
44	.0R	10	310	.3R	150	.5R	140		
45	.0R	10	320	.2R	140	.4R	140		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	UV	FLAG	RCVR 2 CP	FLAG	RCVR 3 CP	FLAG	RCVR 4 UV	FLAG
1	.4L	3396	360	1.9L	200	.1L	240	51	20
2	.6R	5095	370	.1R	200	1.4R	220	51	40
3	.4R	5095	350	.0R	200	1.1R	220	51	30
4	.7L	3396	360	1.5L	200	.3R	240	51	40
5	.3L	5095	390	1.1L	200	.6R	240	51	40
6	.7L	1698	350	1.6L	200	.3R	210	51	50
7	.5L	1698	360	1.4L	210	.2R	210	51	80
8	.5L	1698	340	1.3L	200	.3R	200	51	70
9	.0R	3396	360	1.2L	200	.7R	200	51	100
10	1.1R	1255	340	.3L	200	1.1R	210	51	130
11	.7R	1484	360	.5L	210	1.2R	210	51	130
12	.3R	1041	350	.7L	200	.9R	200	51	140
13	.1R	1041	340	1.0L	200	.5R	190	51	160
14	.0R	827	350	1.3L	200	.4R	190	51	190
15	.0R	827	350	1.1L	200	.4R	190	51	220
16	.1L	827	340	1.0L	200	.6R	190	51	210
17	.0R	613	350	1.0L	200	.6R	190	51	220
18	.0R	170	330	1.0L	200	.5R	190	103	260
19	.0R	170	340	.9L	200	.5R	190	103	280
20	.3L	114	340	1.3L	200	.3R	180	103	310
21	.3L	143	350	1.1L	200	.3R	180	103	330
22	.1L	114	350	.9L	200	.4R	180	154	370
23	.0R	114	350	.7L	200	.6R	180	205	360
24	.1R	85	350	.5L	200	.8R	180	205	370
25	.1R	80	350	.7L	200	.7R	180	205	360
26	.2R	73	350	.5L	190	.8R	180	257	370
27	.1R	66	330	.5L	200	.8R	170	359	370
28	.3R	61	340	.2L	180	.8R	180	410	350
29	.1R	54	330	.4L	200	.7R	170	462	370
30	.0R	49	330	.4L	190	.7R	170	513	370
31	.0R	49	330	.3L	190	.7R	170	667	370
32	.1R	42	340	.4L	190	.8R	160	770	360
33	.0R	39	330	.3L	190	.6R	160	1026	350
34	.0R	31	340	.0R	190	.3R	160	1693	360
35	.0R	29	340	.1L	190	.0R	130	1693	350
36	.0R	25	340	.1L	180	.6L	90	3848	360
37	.1R	22	340	.0R	170	.5L	30	5130	360
38	.3R	19	330	.1R	160	.4L	20	20366	360
39	.0R	15	310	.3R	110	1.2L	40	36064	370
40	.1R	15	290	.6R	30	.4L	10	36064	390
41	.5R	15	220	.9R	0	.0R	0	51300	360
42	.4R	15	280	1.0R	50	.4R	0	51300	340
43	.3R	12	300	.8R	60	.2L	20	36064	350
44	.3R	12	330	.4R	100	1.6L	60	5130	360
45	.0R	12	310	.3R	110	2.7L	20	2565	360

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 2000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	6.3L	5095	350	6.0L	210	3.3L	220		
2	.4R	5095	350	.6L	210	1.1R	210		
3	1.1R	5095	360	.0R	210	1.5R	210		
4	.5L	3396	360	1.4L	210	.2R	230		
5	.5L	3396	360	1.5L	220	.2R	230		
6	.0R	1698	360	1.2L	220	.5R	240		
7	.3L	1698	360	1.3L	220	.3R	220		
8	.3L	1255	360	1.2L	210	.4R	220		
9	.0R	1255	360	.9L	210	.7R	210		
10	.0R	1041	350	.9L	210	.7R	210		
11	.0R	1041	350	.9L	210	.6R	210		
12	.0R	1041	340	.7L	210	.7R	190		
13	.8R	613	350	.2L	210	1.2R	190		
14	1.1R	613	350	.2R	210	1.7R	210		
15	1.1R	384	340	.1R	210	1.5R	190		
16	.2R	170	340	.5L	210	.9R	190		
17	.0R	143	330	.7L	210	.5R	190		
18	.0R	143	340	.6L	200	.7R	190		
19	.1R	114	340	.5L	210	.6R	190		
20	.1R	85	340	.4L	190	.7R	190		
21	.3R	73	340	.2L	190	1.0R	190		
22	.3R	66	340	.3L	190	.9R	180		
23	.2R	61	340	.3L	190	.6R	180		
24	.3R	61	340	.2L	190	.8R	180		
25	.3R	54	340	.2L	190	.9R	180		
26	.2R	49	340	.2L	190	.7R	180		
27	.3R	48	330	.0R	190	1.0R	170		
28	.4R	48	340	.0R	190	.9R	170		
29	.5R	31	330	.0R	190	.8R	170		
30	.4R	29	330	.0R	190	1.0R	170		
31	.3R	27	330	.0R	190	.9R	170		
32	.2R	25	330	.0R	190	.7R	170		
33	.1R	24	340	.0R	190	.7R	170		
34	.2R	22	330	.0R	190	.7R	170		
35	.3R	20	330	.1R	190	.9R	170		
36	.2R	20	330	.0R	180	.7R	160		
37	.5R	17	330	.3R	180	.9R	160		
38	.3R	17	320	.2R	170	.9R	160		
39	.2R	15	320	.1R	170	.7R	150		
40	.2R	12	320	.2R	150	.4R	140		
41	.1R	10	320	.2R	150	.5R	140		
42	.1R	8	310	.5R	140	.5R	140		
43	.1R	8	310	.4R	140	.5R	140		
44	.1R	7	310	.6R	130	.5R	130		
45	.1R	7	310	.4R	120	.5R	130		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 2000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	3.1L	1698	360	3.4L	210	1.7L	210	51	30
2	.3R	3396	350	.4L	200	1.1R	210	51	40
3	.7L	1698	360	1.5L	200	.3R	210	51	50
4	1.0L	1698	370	1.9L	210	.3R	240	51	50
5	.3R	3396	370	.7L	210	1.0R	230	51	70
6	.3L	3396	370	1.4L	210	.7R	230	51	70
7	.1L	1698	370	1.1L	210	.6R	230	51	120
8	.0R	1484	370	1.0L	200	.8R	210	51	160
9	.1R	1255	350	1.0L	210	.7R	210	51	170
10	1.0R	1255	360	.3L	210	1.4R	210	51	200
11	1.3R	1041	360	.1L	200	1.7R	210	51	220
12	.1R	827	340	.7L	210	1.0R	210	51	230
13	.2L	613	340	1.0L	200	.7R	190	51	260
14	.1R	613	340	.9L	200	.8R	200	51	280
15	.7R	384	350	.4L	200	1.3R	190	103	300
16	.0R	170	350	.9L	200	.7R	190	103	310
17	.1L	143	340	.9L	200	.5R	180	103	330
18	.0R	114	340	.7L	200	.9R	190	103	330
19	.2R	85	350	.4L	200	.9R	180	103	350
20	.3R	85	330	.6L	190	.9R	180	154	360
21	.0R	85	340	.5L	200	.8R	190	154	360
22	.1L	66	330	.8L	200	.5R	180	205	360
23	.2R	80	340	.6L	190	.8R	180	205	370
24	.4R	61	340	.2L	190	1.1R	180	205	360
25	.3R	66	340	.4L	190	.9R	180	257	370
26	.1R	54	350	.5L	190	.7R	190	308	360
27	.0R	42	340	.7L	190	.7R	180	410	370
28	.0R	54	340	.6L	190	.4R	170	462	360
29	.0R	39	330	.5L	190	.6R	170	462	370
30	.1R	29	340	.3L	180	.5R	150	770	350
31	.0R	25	330	.3L	180	.4R	150	718	340
32	.1R	22	330	.3L	190	.1R	140	1026	360
33	.0R	24	330	.3L	190	.0R	130	1283	350
34	.3L	22	340	.5L	180	.4L	100	1693	370
35	.1L	22	330	.3L	170	.9L	60	5130	370
36	.0R	19	330	.0R	160	.7L	30	20366	360
37	.3R	17	320	.3R	130	2.0L	50	36064	370
38	.0R	14	280	.8R	50	.3R	0	51300	380
39	.1R	15	240	.7R	10	.1R	10	51300	380
40	.2R	12	270	.4R	40	.4R	0	36064	470
41	.4R	12	300	.5R	40	.3R	10	20366	450
42	.2R	8	280	.7R	30	2.7R	20	20366	390
43	.2R	8	280	.7R	50	.1R	30	3848	380
44	.0R	7	290	.6R	80	.3R	20	3848	380
45	.0R	7	310	.7R	100	.3R	20	20366	440

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 3000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.5L	5095	330	1.4L	190	1.8L	190		
2	.0R	5095	330	.1L	190	.7L	180		
3	.4R	5095	340	.2R	190	.3L	190		
4	.7R	5095	230	.5R	190	.0R	190		
5	.2L	5095	340	.4L	190	1.0L	190		
6	.0R	5095	350	.2L	190	.8L	210		
7	.5L	5095	350	.5L	190	1.2L	210		
8	.2L	5095	350	.4L	190	1.0L	210		
9	.5R	3396	360	.3R	190	.4L	210		
10	.3R	3396	360	.1R	190	.6L	210		
11	.1L	1698	350	.1L	190	.9L	190		
12	.0R	1698	350	.2L	190	.8L	190		
13	.2R	1194	350	.1R	190	.5L	190		
14	.1R	1194	340	.1R	190	.5L	190		
15	.6R	1194	350	.2R	190	.4L	190		
16	.7R	674	350	.4R	190	.0R	190		
17	.9R	674	350	.2R	190	.3L	190		
18	.0R	674	350	.0R	190	.5L	190		
19	.0R	170	350	.0R	190	.5L	190		
20	.3R	143	350	.2R	190	.2L	190		
21	.7R	143	350	.7R	190	.1L	190		
22	.1L	143	340	.1L	190	.9L	180		
23	.1L	109	340	.0R	190	.8L	180		
24	.1R	114	340	.0R	190	.4L	180		
25	.5R	85	340	.4R	190	.2L	190		
26	.1R	85	340	.1R	190	.5L	180		
27	.3L	75	340	.0R	190	.9L	170		
28	.0R	75	340	.1R	190	.5L	180		
29	.8R	65	350	.7R	190	.0R	180		
30	.3R	65	350	.3R	190	.3L	180		
31	.1R	53	340	.1R	180	.4L	170		
32	.1R	53	340	.1R	180	.5L	170		
33	.6R	53	350	.5R	190	.0R	180		
34	.2R	42	340	.3R	180	.3L	170		
35	.0R	34	340	.2R	180	.4L	170		
36	.0R	31	330	.1R	180	.5L	170		
37	.3R	31	340	.4R	170	.2L	170		
38	.7R	31	340	.7R	180	.0R	170		
39	.5R	24	340	.5R	180	.0R	160		
40	.0R	24	330	.2R	170	.4L	160		
41	.0R	22	330	.2R	170	.5L	150		
42	.5R	19	330	.5R	170	.0R	160		
43	.5R	19	340	.6R	170	.0R	160		
44	.2R	15	340	.5R	160	.0R	160		
45	.1R	14	330	.5R	160	.0R	150		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 3000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.8L	5095	310	1.0L	180	.6L	190	26	170
2	.2R	5095	300	.1L	190	.0R	190	26	190
3	.2L	5095	300	.8L	190	.5L	220	26	220
4	.0R	5095	290	.4L	190	.1L	190	26	220
5	.6L	5095	300	1.2L	190	.8L	210	26	240
6	.7L	5095	310	1.3L	190	1.0L	220	26	260
7	.5L	5095	320	1.1L	190	.8L	220	26	290
8	.6L	5095	320	1.3L	190	.9L	220	26	300
9	.2L	5095	320	.9L	190	.2L	210	26	330
10	.2L	5095	320	.8L	190	.2L	210	26	320
11	.1L	5095	330	.8L	190	.2L	190	26	320
12	.2L	5095	320	1.0L	190	.2L	190	26	340
13	.0R	5095	320	.7L	190	.2L	190	51	350
14	.0R	5095	320	.7L	190	.3L	190	51	350
15	.0R	3396	320	.7L	190	.2L	190	51	350
16	.0R	3396	310	.6L	190	.2L	190	77	360
17	.0R	1698	320	.5L	190	.2L	190	77	390
18	.0R	1698	320	.6L	190	.2L	190	103	390
19	.0R	1194	320	.4L	190	.0R	190	103	390
20	.0R	1194	310	.5L	180	.2L	190	103	400
21	.0R	1194	320	.5L	190	.0R	190	128	380
22	.0R	674	320	.5L	190	.2L	180	154	390
23	.0R	674	320	.5L	190	.1L	190	180	390
24	.0R	170	310	.3L	190	.0R	190	205	390
25	.0R	143	310	.4L	180	.0R	180	231	390
26	.2L	143	320	.5L	190	.2L	180	257	390
27	.7R	143	320	.0R	180	.4R	190	282	390
28	.0R	114	310	.3L	190	.0R	180	385	390
29	.2L	114	320	.5L	180	.3L	180	462	390
30	.2L	114	310	.4L	180	.2L	170	590	390
31	.3L	75	320	.5L	180	.2L	170	641	390
32	.0R	75	310	.2L	180	.2L	170	846	390
33	.7R	65	320	.4R	180	.1R	160	1077	390
34	.7R	65	320	.3R	180	.0R	150	1924	390
35	.2R	65	320	.0R	180	1.2L	130	2565	390
36	.0R	53	320	.0R	170	1.0L	90	10183	390
37	.0R	42	320	.0R	170	1.8L	40	18032	410
38	.0R	42	310	.1R	160	1.1L	40	25650	460
39	.0R	34	310	.3R	160	4.4L	30	18032	550
40	.0R	31	310	.1R	160	2.8L	40	10183	450
41	.6R	31	310	1.0R	110	2.1L	10	25650	450
42	.2R	22	300	1.0R	100	3.1R	20	51300	550
43	.5R	24	300	1.1R	120	3.3L	30	25650	490
44	.3L	14	310	.5R	110	2.1L	50	18032	400
45	.2L	15	300	.5R	130	.8L	10	10183	390

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE 1 ALT FLN 3000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.9R	5095	330	1.1R	200	1.8R	200		
2	.3R	5095	330	.1R	190	.5R	200		
3	.3R	5095	340	.2L	200	.4R	230		
4	.0R	5095	350	.7L	210	.0R	230		
5	.0R	5095	350	.5L	210	.0R	230		
6	.8R	5095	360	.1R	210	.5R	230		
7	1.2R	3396	360	.6R	200	1.0R	230		
8	.8R	3396	370	.1R	210	.5R	230		
9	.1R	1698	370	.4L	210	.2R	240		
10	.0R	1698	360	.6L	200	.0R	230		
11	.7R	1194	370	.0R	210	.3R	240		
12	.4R	1698	360	.1L	200	.2R	230		
13	.0R	674	360	.4L	210	.0R	230		
14	.2R	674	370	.2L	210	.2R	230		
15	.4R	674	360	.1L	200	.2R	230		
16	.2R	170	360	.2L	200	.1R	230		
17	.2R	143	370	.2L	210	.2R	220		
18	.4R	143	360	.1L	210	.1R	220		
19	.3R	143	360	.1L	200	.1R	210		
20	.2R	114	350	.1L	190	.1R	220		
21	.2R	75	350	.0R	200	.1R	210		
22	.3R	85	350	.0R	190	.1R	210		
23	.1R	85	350	.2L	190	.0R	210		
24	.0R	75	350	.2L	210	.0R	210		
25	.1R	75	350	.1L	190	.1R	200		
26	.2R	65	350	.0R	190	.1R	200		
27	.2R	53	350	.0R	190	.1R	190		
28	.4R	42	350	.0R	190	.1R	200		
29	.3R	42	350	.1R	190	.0R	200		
30	.2R	53	350	.0R	190	.1R	190		
31	.2R	42	340	.0R	190	.0R	190		
32	.0R	34	350	.0R	190	.0R	200		
33	.1R	34	350	.0R	190	.0R	200		
34	.2R	34	360	.0R	190	.0R	190		
35	.1R	25	340	.0R	190	.0R	190		
36	.1R	24	350	.1R	180	.1R	190		
37	.2R	22	350	.1R	190	.0R	190		
38	.2R	22	350	.1R	180	.0R	190		
39	.1R	19	350	.1R	180	.0R	180		
40	.1R	19	340	.1R	180	.0R	190		
41	.2R	15	350	.4R	180	.2R	180		
42	.2R	14	350	.4R	180	.1R	190		
43	.2R	14	350	.4R	170	.1R	180		
44	.2R	12	350	.4R	170	.1R	180		
45	.1R	12	340	.5R	160	.0R	180		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 3000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.3L	5095	300	1.0L	180	.6L	160	26	260
2	1.0R	5095	300	.7R	190	.9R	180	26	280
3	.0R	5095	310	.3L	190	.1R	190	26	300
4	.2L	5095	310	.6L	190	.0R	180	26	320
5	.1R	5095	310	.1L	190	.3R	190	51	330
6	.0R	5095	310	.4L	190	.1R	190	51	330
7	.2R	5095	320	.1L	190	.2R	210	51	340
8	.0R	5095	320	.7L	190	.1L	190	51	350
9	.2R	5095	330	.1L	190	.1R	190	51	360
10	.0R	3396	320	.1L	190	.1R	190	51	360
11	.0R	3396	320	.4L	190	.0R	190	77	350
12	.4R	1698	320	.1L	190	.3R	190	77	370
13	.0R	1698	320	.2L	190	.0R	190	77	380
14	.0R	1698	320	.2L	190	.1R	190	103	380
15	.1R	1698	320	.1L	190	.1R	190	103	380
16	.1R	1194	320	.1L	190	.1R	190	128	380
17	.0R	674	320	.2L	190	.0R	180	128	380
18	.0R	674	320	.2L	190	.0R	180	154	390
19	.0R	170	320	.1L	190	.2R	180	180	390
20	.1R	170	310	.1L	180	.1R	180	205	390
21	.1R	143	310	.1L	180	.1R	180	257	390
22	.1R	114	320	.0R	190	.2R	190	257	400
23	.0R	114	320	.0R	190	.2R	180	282	390
24	.2R	75	320	.1R	180	.4R	180	333	400
25	.1R	75	310	.0R	180	.2R	180	385	400
26	.0R	75	320	.0R	180	.0R	180	462	390
27	.2R	65	310	.0R	180	.3R	180	513	400
28	.0R	65	320	.0R	180	.1R	170	641	390
29	.0R	65	320	.1L	180	.0R	160	846	390
30	.0R	65	310	.0R	180	.1L	160	846	390
31	.0R	65	310	.0R	180	.1L	160	1283	390
32	.0R	42	310	.0R	170	.5L	140	1924	390
33	.0R	34	310	.0R	170	1.5L	100	2565	390
34	.0R	34	310	.0R	170	1.5L	60	10183	380
35	.0R	31	310	.2R	160	1.7L	90	10183	380
36	.1R	25	310	.3R	150	1.5R	10	25650	390
37	.0R	24	300	.7R	120	3.3L	30	51300	400
38	.0R	22	300	1.0R	70	1.7L	10	51300	460
39	.0R	19	290	1.0R	50	1.6R	0	51300	560
40	.0R	19	310	.3R	150	1.1L	30	2565	720
41	.1R	17	310	.7R	110	3.5L	30	35630	800
42	.0R	15	300	.7R	100	3.8L	20	51300	500
43	.0R	14	310	.9R	100	2.5L	30	18032	440
44	.1R	12	310	.7R	120	.8L	10	18032	410
45	.1R	12	310	.6R	130	.5L	10	2565	390

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 4000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.8L	5095	310	.9L	190	1.0L	170		
2	.8L	5095	330	1.2L	210	1.0L	190		
3	.4R	5095	330	.3L	210	.2L	190		
4	.7R	5095	340	.2L	210	.2L	210		
5	.0R	5095	340	.6L	210	.6L	190		
6	.2L	5095	340	1.0L	210	.9L	210		
7	.0R	5095	350	1.0L	210	.9L	210		
8	.0R	5095	350	.7L	220	.5L	220		
9	.2R	5095	360	.6L	220	.5L	220		
10	.5R	5095	350	.4L	220	.2L	210		
11	.7R	3396	360	.2L	220	.2L	220		
12	1.0R	3396	350	.0R	220	.1R	210		
13	1.3R	3396	350	.2R	220	.2R	210		
14	1.6R	3396	350	.3R	220	.3R	210		
15	1.3R	3396	340	.2R	210	.2R	210		
16	1.1L	1698	350	.1R	210	.1R	190		
17	.1R	1194	340	.3L	210	.3L	190		
18	.1R	1194	340	.5L	210	.5L	190		
19	.1R	1194	340	.5L	210	.5L	190		
20	.4R	674	340	.2L	210	.3L	190		
21	.5R	674	340	.0R	210	.2L	190		
22	.7R	674	340	.0R	210	.0R	190		
23	.7R	674	340	.0R	210	.0R	190		
24	.9R	170	350	.1R	210	.1R	190		
25	.8R	170	340	.1R	210	.0R	190		
26	.7R	143	330	.1R	210	.0R	190		
27	.7R	117	340	.1R	210	.0R	190		
28	1.0R	114	340	.2R	210	.2R	190		
29	1.2R	114	340	.5R	210	.3R	190		
30	1.1R	114	340	.5R	210	.3R	190		
31	1.0R	85	340	.3R	210	.2R	190		
32	.7R	75	340	.2R	190	.1R	180		
33	.3R	75	330	.0R	190	.1L	180		
34	.4R	65	330	.0R	190	.1L	180		
35	.0R	53	340	.1L	190	.3L	180		
36	.0R	53	330	.1L	190	.4L	170		
37	.0R	53	320	.2L	190	.3L	170		
38	.0R	42	330	.2L	190	.5L	170		
39	.0R	42	330	.1L	190	.4L	170		
40	.0R	42	330	.0R	190	.2L	170		
41	.0R	34	330	.0R	190	.1L	170		
42	.0R	34	330	.0R	190	.1L	170		
43	.0R	25	330	.0R	190	.2L	160		
44	.0R	24	330	.1L	180	.4L	160		
45	.0R	24	320	.0R	180	.3L	160		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 4000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	1.8L	1698	320	1.0L	190	1.1L	170	26	250
2	1R	5095	370	.0R	210	.1R	190	26	280
3	2.1R	3396	340	1.6R	200	1.4R	190	51	280
4	1.1R	5095	350	.5R	210	.8R	220	51	310
5	.6R	5095	350	.1R	210	.2R	210	51	320
6	.0R	5095	350	.2L	210	.1R	210	51	330
7	.4L	5095	350	.5L	220	.3L	220	51	330
8	.7L	1698	350	.9L	210	.5L	220	51	350
9	.6L	3396	370	.9L	220	.6L	220	77	350
10	.1L	5095	370	.7L	220	.4L	220	77	360
11	.3R	3396	370	.2L	210	.2L	220	77	360
12	.2R	3396	360	.2L	210	.0R	210	103	370
13	.2R	1698	350	.3L	210	.4L	210	103	380
14	.2R	1698	360	.3L	210	.3L	210	103	380
15	.2R	1698	350	.2L	200	.3L	210	128	380
16	.0R	1194	350	.5L	210	.6L	210	128	380
17	.4L	1698	350	.5L	210	.8L	200	154	380
18	.7L	674	350	.8L	210	1.0L	200	180	380
19	1.0L	1194	350	.9L	200	1.1L	190	205	380
20	.9L	674	340	.9L	200	1.2L	180	231	380
21	.8L	170	340	.9L	200	1.0L	180	231	370
22	.7L	170	350	.7L	200	1.1L	180	205	380
23	.5L	143	340	.5L	200	.8L	190	333	370
24	.0R	143	350	.2L	200	.5L	190	333	380
25	.2R	114	360	.0R	210	.3L	200	333	380
26	.7R	114	350	.4R	210	.0R	210	462	370
27	.7R	114	360	.4R	210	.0R	190	513	370
28	.7R	114	350	.4R	200	.0R	190	513	370
29	.7R	85	350	.3R	200	.0R	180	588	370
30	.5R	75	360	.2R	200	.4L	180	846	370
31	.0R	65	360	.0R	200	.5L	180	846	370
32	.3L	65	340	.2L	200	.7L	170	1077	380
33	.4L	65	340	.3L	190	.8L	160	1283	370
34	.5L	53	340	.3L	180	1.0L	150	1924	380
35	.6L	53	340	.3L	190	.5L	130	2565	370
36	.3L	53	350	.2L	190	2.1L	90	1924	380
37	.4L	42	340	.2L	180	1.9L	70	10183	380
38	.2L	42	350	.0R	190	2.0L	80	2565	420
39	.5R	34	340	.3R	200	1.3L	70	2565	490
40	.6R	34	350	.5R	180	.2R	80	2565	420
41	.3R	34	330	.7R	170	2.0L	70	18032	470
42	.2R	31	340	.6R	170	1.8L	60	18032	450
43	.0R	25	340	.5R	170	3.3L	70	18032	400
44	.1L	24	340	.2R	180	1.1L	20	10183	360
45	.9L	19	350	.0R	170	.5L	20	18032	340

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 4000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	3.3L	3396	330	2.7L	190	3.0L	160		
2	.8L	3396	360	1.0L	200	1.4L	190		
3	2.6R	3396	340	1.4R	210	1.1R	180		
4	.2L	5095	350	.5L	200	.8L	190		
5	.8L	5095	350	1.0L	200	1.4L	180		
6	.2R	3396	350	.4L	200	.7L	190		
7	.2R	5095	340	.3L	210	.6L	190		
8	.2L	5095	370	.7L	210	1.0L	200		
9	.0R	3396	370	.5L	210	.9L	200		
10	.1R	1698	370	.5L	210	.8L	200		
11	.0R	1194	370	.5L	210	.9L	190		
12	.0R	1194	370	.5L	200	.8L	190		
13	.2L	674	360	.5L	210	.9L	190		
14	.3L	674	360	.7L	210	1.0L	190		
15	.1R	674	360	.3L	200	.8L	190		
16	.2R	170	360	.2L	200	.6L	190		
17	.0R	170	360	.4L	200	.8L	180		
18	.0R	170	350	.4L	200	.3L	180		
19	.2R	143	360	.3L	200	.7L	180		
20	.3R	143	360	.3L	200	.7L	180		
21	.0R	114	350	.3L	200	.7L	180		
22	.0R	143	350	.2L	200	.7L	180		
23	.1R	85	350	.1L	210	.5L	190		
24	.0R	114	350	.3L	200	.7L	180		
25	.0R	75	350	.2L	210	.7L	180		
26	.2R	75	350	.1L	200	.4L	180		
27	.0R	75	360	.1L	200	.7L	180		
28	.1R	65	360	.0R	190	.5L	180		
29	.1R	65	350	.0R	200	.4L	180		
30	.1R	53	360	.1R	200	.4L	180		
31	.1R	53	350	.1R	200	.5L	180		
32	.1R	42	350	.1R	190	.4L	180		
33	.2R	42	360	.1R	200	.4L	170		
34	.1R	42	360	.1R	200	.4L	180		
35	.0R	34	360	.0R	200	.5L	180		
36	.0R	34	350	.0R	190	.4L	180		
37	.1R	34	350	.1R	190	.5L	160		
38	.1R	25	340	.1R	180	.4L	180		
39	.0R	24	350	.0R	180	.5L	160		
40	.1R	25	360	.1R	190	.4L	160		
41	.3R	22	350	.3R	190	.4L	170		
42	.3R	22	350	.3R	190	.3L	170		
43	.0R	19	360	.1R	180	.5L	170		
44	.0R	19	350	.2R	180	.3L	170		
45	.3R	17	350	.3R	180	.2L	170		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 4000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	2.6L	5095	330	2.3L	200	1.8L	180	51	340
2	.5L	1700	350	.8L	200	.4L	220	51	340
3	2.4R	1194	340	1.3R	200	1.8R	190	51	370
4	.1L	5095	340	.8L	210	.3L	220	51	350
5	.6L	3396	340	1.0L	210	.6L	210	77	370
6	.1R	5095	350	.4L	200	.1R	210	77	370
7	.1R	5095	360	.4L	210	.0R	220	77	380
8	.1L	3396	350	.9L	220	.4L	240	77	380
9	.1R	3396	360	.6L	220	.3L	230	103	380
10	.0R	3396	350	.7L	210	.4L	220	103	380
11	.4R	1194	350	.4L	210	.1R	210	103	380
12	.0R	1698	350	.7L	220	.4L	220	103	380
13	.1L	1194	350	.7L	210	.4L	220	128	390
14	.2R	1194	360	.4L	200	.0R	220	154	370
15	.2R	1194	350	.4L	210	.0R	220	154	390
16	.0R	674	350	.6L	200	.3L	210	180	390
17	.0R	674	350	.6L	210	.3L	220	205	390
18	.3R	75	350	.3L	210	.0R	230	231	390
19	.0R	170	360	.5L	210	.3L	220	231	380
20	.0R	114	360	.5L	210	.1L	210	231	390
21	.2R	114	360	.3L	200	.0R	210	257	390
22	.1R	75	350	.3L	200	.0R	210	333	390
23	.0R	114	340	.6L	200	.2L	200	385	410
24	.3R	114	350	.1L	200	.1R	200	359	390
25	.2R	75	340	.2L	210	.0R	210	462	390
26	.0R	75	350	.3L	210	.2L	200	513	400
27	.0R	75	350	.3L	210	.1L	200	513	390
28	.2R	42	350	.0R	200	.0R	200	590	400
29	.0R	65	350	.2L	210	.1L	200	641	400
30	.1L	53	360	.3L	210	.3L	190	846	400
31	.1R	53	350	.1L	200	.3L	200	846	430
32	.2R	42	360	.1R	210	.3L	180	1077	410
33	.2R	22	340	.1R	200	.3L	170	1283	420
34	.0R	34	350	.0R	210	.8L	150	1283	460
35	.1R	31	350	.0R	200	1.5L	120	2565	490
36	.1R	34	360	.1R	200	1.5L	100	2565	520
37	.1R	34	350	.3R	180	1.3L	60	10183	470
38	.0R	31	340	.3R	180	1.3L	50	10183	440
39	.0R	22	350	.6R	160	1.3L	70	10183	440
40	.3R	25	350	.2R	190	1.3L	70	2565	440
41	.3R	22	340	.3R	190	1.1L	60	1924	470
42	.4R	22	350	.3R	190	1.1L	70	1924	420
43	.3R	17	360	.4R	180	1.1L	50	2565	440
44	.1R	17	350	.1R	180	1.3L	70	1924	490
45	.1R	15	350	.3R	180	1.2L	100	1283	510

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 5000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.6R	3396	330	.1R	210	1.0R	190		
2	.6L	1698	350	.9L	210	.2R	200		
3	.3R	1438	330	.0R	200	.8R	170		
4	.3R	1698	350	.3L	220	.7R	200		
5	.1R	3396	350	.5L	220	.5R	210		
6	.5R	1438	360	.3L	220	.9R	200		
7	.5R	1438	360	.2L	220	.9R	190		
8	.1R	1438	350	.6L	220	.5R	200		
9	.0R	1698	360	.7L	220	.4R	210		
10	.0R	1438	370	.8L	220	.3R	210		
11	.2R	1438	380	.8L	220	.3R	210		
12	.3R	1438	380	.7L	220	.3R	220		
13	.2R	934	370	.8L	220	.3R	210		
14	.3R	934	370	.8L	220	.3R	220		
15	.3R	934	370	.7L	220	.3R	210		
16	.3R	934	380	.7L	220	.4R	210		
17	.6R	674	380	.5L	220	.6R	220		
18	.7R	430	380	.3L	220	.8R	210		
19	.6R	430	370	.3L	220	.9R	210		
20	.8R	170	380	.2L	220	.9R	210		
21	.6R	170	370	.3L	220	.8R	210		
22	.6R	170	370	.3L	220	.7R	210		
23	.3R	170	370	.3L	210	.7R	210		
24	.1R	170	370	.3L	210	.5R	210		
25	.0R	127	370	.6L	200	.3R	200		
26	.0R	127	370	.6L	210	.3R	200		
27	.0R	127	360	.5L	210	.2R	200		
28	.0R	127	360	.5L	210	.3R	200		
29	.0R	127	370	.6L	210	.3R	200		
30	.0R	107	360	.5L	200	.3R	190		
31	.1R	85	370	.5L	210	.3R	200		
32	.5R	76	370	.1L	200	.7R	200		
33	.9R	76	370	.2R	210	1.0R	200		
34	.9R	76	360	.1R	200	.7R	200		
35	.6R	76	360	.0R	200	.6R	200		
36	.9R	59	370	.3R	200	1.0R	200		
37	.3R	59	360	.0R	200	.4R	200		
38	.2R	59	370	.1L	200	.3R	200		
39	.7R	59	370	.1R	200	.7R	190		
40	.6R	51	370	.1R	200	.5R	190		
41	.8R	42	370	.3R	200	.8R	200		
42	.3R	42	360	.2L	200	.3R	200		
43	.3R	39	360	.2L	200	1.3L	200		
44	.8R	42	360	.3R	200	.8L	210		
45	.8R	42	370	.3R	200	.9L	200		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 5000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	1.6R	3396	330	1.3R	200	2.0R	200	51	200
2	1.0L	1438	350	1.1L	210	.0R	200	51	220
3	.4R	1438	340	.0R	200	1.0R	180	51	210
4	.8R	1438	360	.2R	210	1.2R	200	51	240
5	.9R	1438	350	.5R	220	1.4R	200	103	270
6	.7R	1194	370	.0R	220	1.2R	220	103	280
7	.5R	1438	360	.0R	210	.8R	210	103	300
8	.4R	1438	360	.3L	210	.9R	210	103	320
9	1.0R	1194	360	.2R	220	1.4R	210	103	320
10	1.5R	1194	360	.7R	220	1.7R	190	103	330
11	1.7R	1438	360	.6R	220	1.8R	200	154	350
12	.6R	1194	370	.3L	220	.9R	220	154	350
13	.3R	1194	370	.6L	220	.6R	220	154	350
14	.7R	674	390	.3L	220	1.0R	230	154	370
15	.5R	934	380	.5L	220	.7R	220	205	370
16	.2R	934	370	.8L	220	.4R	220	205	380
17	.0R	127	360	1.0L	220	.2R	210	257	380
18	.0R	674	370	.8L	210	.3R	220	257	380
19	1.0R	430	380	.3L	220	.9R	220	257	370
20	1.0R	430	370	.1L	220	1.1R	210	257	380
21	.5R	430	370	.4L	210	.5R	210	359	380
22	.3R	430	370	.6L	210	.4R	210	51	400
23	.4R	127	360	.3L	210	.5R	210	462	360
24	.5R	170	370	.3L	210	.7R	210	462	370
25	1.4R	149	370	.4R	210	.5R	210	513	370
26	2.5R	149	370	1.2R	210	2.1R	220	513	390
27	2.3R	149	370	1.1R	210	2.1R	210	564	400
28	2.5R	127	370	1.2R	210	2.2R	210	718	400
29	1.4R	127	380	.7R	210	1.5R	210	770	410
30	.4R	127	370	.1L	210	.7R	200	1026	410
31	.0R	76	360	.5L	210	.3R	200	1693	390
32	.1R	85	360	.4L	210	.4R	200	1283	400
33	.8R	76	370	.2R	220	.8R	210	1693	400
34	.9R	85	380	.3R	210	.9R	200	2155	380
35	.3R	76	370	.0R	210	.2R	190	3848	380
36	.4R	68	360	.1R	210	.1R	180	2565	400
37	.7R	68	370	.3R	200	.5R	180	3848	490
38	.6R	51	360	.2R	210	.4R	180	2565	530
39	.4L	51	360	.5L	200	.0R	180	2155	540
40	.4L	51	370	.3L	200	.4L	170	2155	430
41	.3R	51	370	.3R	190	2.7L	90	20366	460
42	.9R	42	360	.7R	200	1.6L	80	20366	520
43	.1R	39	370	.3R	200	1.7L	90	20366	480
44	.2L	34	350	.0R	190	2.2L	90	20366	400
45	.1L	34	350	.1R	200	.9L	90	20366	390

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 5000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	UV	FLAG	RCVR 2 CP	FLAG	RCVR 3 CP	FLAG	RCVR 4 UV	FLAG
1	2.6L	1194	330	2.3L	180	1.7L	170		
2	.6R	1438	340	.1L	210	1.0R	180		
3	1.1R	674	330	1.0L	210	1.5R	180		
4	.1R	1438	340	.5L	210	.7R	180		
5	.4L	1698	360	1.0L	220	.2R	200		
6	.5R	1438	360	.5L	220	.7R	190		
7	.4R	1438	350	.3L	210	.7R	190		
8	.2R	1438	350	.6L	210	.5R	190		
9	.3R	1438	360	.6L	220	.5R	210		
10	.2R	934	360	.8L	220	.4R	200		
11	.9R	934	360	.0R	220	1.2R	200		
12	1.6R	934	370	.4R	220	1.4R	200		
13	.9R	674	370	.0R	220	1.0R	200		
14	.4R	674	370	.4L	220	.8R	210		
15	.5R	170	370	.5L	210	.6R	200		
16	.5R	674	370	.4L	210	.8R	190		
17	.6R	170	370	.3L	210	.7R	200		
18	.5R	127	370	.3L	210	.7R	200		
19	.3R	170	370	.4L	210	.6R	200		
20	.1R	170	360	.4L	210	.5R	210		
21	.2R	127	370	.3L	220	.7R	200		
22	.7R	76	370	.2L	210	.7R	190		
23	.5R	127	370	.2L	210	.8R	200		
24	.3R	107	370	.3L	210	.6R	200		
25	.4R	107	370	.2L	210	.7R	190		
26	.4R	85	360	.2L	210	.7R	200		
27	.4R	85	370	.2L	210	.7R	200		
28	.3R	76	370	.4L	210	.6R	200		
29	.2R	76	360	.3L	210	.5R	200		
30	.2R	76	360	.4L	210	.5R	200		
31	.3R	68	370	.3L	210	.5R	200		
32	.3R	68	370	.2L	210	.5R	190		
33	.3R	59	360	.3L	200	.5R	200		
34	.2R	51	360	.1L	210	.5R	190		
35	.1R	51	360	.2L	210	.6R	190		
36	.1R	51	370	.3L	210	.5R	190		
37	.0R	42	360	.1L	190	.5R	190		
38	.1R	39	360	.1L	200	.5R	190		
39	.4R	34	360	.1R	190	.5R	190		
40	.2R	29	360	.0R	190	.5R	180		
41	.0R	31	370	.1L	200	.5R	190		
42	.0R	31	360	.1L	190	.3R	190		
43	.0R	31	370	.1L	200	.4R	190		
44	.3R	29	360	.1R	200	.6R	180		
45	.3R	25	360	.2R	190	.5R	180		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 5000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG		RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	8.3R	710	330		7.6R	190	8.8R	180	74	300
2	6.4R	499	350		4.9R	200	4.2R	230	109	300
3	2.9R	391	340		2.1R	180	2.9R	170	109	290
4	.3R	601	330		.0R	200	1.3R	190	74	300
5	.9L	710	340		1.2L	220	.1R	200	109	340
6	.3R	710	340		.6L	230	.5R	220	109	330
7	1.3R	601	340		.5R	220	1.4R	200	144	360
8	1.2R	601	340		.4R	210	1.6R	200	144	370
9	.3R	710	340		.4L	220	.7R	190	144	380
10	.1R	710	340		.7L	220	.6R	200	144	380
11	.5R	499	340		.2L	210	.8R	210	183	370
12	.8R	499	340		.2L	210	1.1R	210	183	380
13	.5R	499	350		.3L	220	.9R	210	183	380
14	.5R	499	350		.4L	220	.7R	210	218	380
15	.3R	499	340		.5L	220	.7R	220	218	390
16	.3R	282	340		.4L	210	.7R	210	257	400
17	.5R	180	340		.4L	210	.6R	210	292	400
18	.4R	282	340		.5L	210	.7R	210	327	400
19	.4R	180	350		.5L	220	.6R	220	327	400
20	.4R	64	350		.5L	210	.6R	200	366	410
21	.2R	64	340		.6L	210	.4R	210	545	400
22	.3R	64	340		.5L	210	.4R	210	545	400
23	.4R	64	340		.1L	210	.6R	210	510	410
24	.4R	57	370		.1L	210	.7R	210	619	420
25	1.0R	57	370		.3R	200	1.3R	210	728	410
26	.4R	43	370		.3L	210	.6R	210	728	410
27	.4L	50	350		.6L	210	.3R	190	911	410
28	.2R	43	360		.3L	200	.4R	200	1129	410
29	.3R	43	360		.2L	200	.5R	200	1603	400
30	.2R	33	360		.0R	200	.3R	190	1603	420
31	.3R	43	360		.2L	200	.3R	190	1603	410
32	.3R	36	340		.1L	200	.1R	180	1821	410
33	.3R	33	350		.1L	200	.1L	170	2732	410
34	.0R	33	360		.1L	210	.1L	160	2296	410
35	.2R	28	360		.2R	200	1.8L	100	3206	410
36	.0R	26	350		.2R	190	.7L	70	3642	430
37	.1R	26	360		.3R	200	1.0L	50	3642	470
38	.0R	23	350		.2R	190	1.7L	60	3206	530
39	.3R	21	350		.3R	180	2.7L	50	3642	490
40	.1R	16	360		.0R	200	.3R	170	3642	440
41	.0R	21	360		.0R	200	.9L	110	2732	470
42	.1R	23	330		.0R	190	.7L	130	1821	530
43	.1R	16	360		.1R	180	.7L	120	2732	520
44	.0R	21	360		.0R	190	.8L	130	1821	460
45	.0R	14	360		.0R	190	.9L	120	2732	440

NOTE: DON'T USE UV INPUT

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 10000 FLT DIRECTION -TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.0R	3396	320	.0R	190	.8R	150		
2	.0R	3396	350	.5L	210	.6R	180		
3	1.0R	1438	330	.6R	200	1.5R	170		
4	.3L	1698	350	.7L	210	.3R	200		
5	1.4L	934	360	1.6L	210	.4L	200		
6	.6R	1194	340	.4R	200	1.1R	170		
7	1.1R	1194	350	.7R	210	1.4R	180		
8	.3R	1438	360	.0R	210	.7R	200		
9	.8R	1438	350	.2R	210	1.1R	190		
10	.3R	1438	360	.2L	200	.8R	190		
11	.3R	1438	360	.3L	210	.6R	200		
12	.3R	1438	360	.1L	210	.9R	190		
13	.4R	1194	350	.1R	200	.7R	180		
14	.4R	934	360	.1R	210	.8R	190		
15	.4R	1194	350	.0R	210	.8R	190		
16	.1R	1194	360	.4L	210	.4R	200		
17	.0R	1194	350	.6L	210	.3R	200		
18	.0R	1194	360	.6L	210	.3R	200		
19	.0R	1194	370	.6L	210	.2R	200		
20	.0R	934	370	.7L	210	.3R	210		
21	.0R	934	380	.7L	210	.3R	200		
22	.0R	934	370	.6L	210	.3R	210		
23	.2R	934	370	.5L	210	.4R	210		
24	.2R	934	370	.5L	210	.5R	210		
25	.2R	674	370	.5L	210	.4R	210		
26	.4R	430	380	.3L	210	.7R	210		
27	.5R	674	380	.2L	210	.7R	210		
28	.4R	430	370	.3L	210	.6R	210		
29	.3R	430	370	.5L	210	.5R	210		
30	.2R	170	380	.5L	210	.5R	200		
31	.1R	430	380	.4L	210	.4R	200		
32	.2R	170	370	.4L	210	.5R	200		
33	.3R	149	370	.3L	210	.5R	210		
34	.5R	149	370	.3L	210	.6R	200		
35	.4R	127	370	.3L	210	.6R	200		
36	.4R	127	370	.3L	200	.6R	200		
37	.4R	127	360	.2L	210	.5R	200		
38	.4R	127	360	.3L	200	.4R	200		
39	.2R	127	360	.3L	200	.4R	200		
40	.2R	107	360	.4L	200	.4R	200		
41	.3R	85	360	.3L	210	.4R	200		
42	.5R	107	370	.3L	210	.7R	200		
43	.6R	85	380	.1R	210	.8R	200		
44	.9R	85	370	.2R	210	1.1R	200		
45	1.2R	85	380	.3R	210	1.2R	200		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 10000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.5R	3396	300	2.2R	180	1.9R	160	103	340
2	.8R	3396	340	.4R	190	3.7R	130	154	350
3	1.4R	3396	320	1.0R	190	1.8R	170	154	360
4	.0R	1698	340	.4L	210	.3R	190	154	370
5	1.2L	1698	350	1.4L	210	.5L	190	205	370
6	.4R	1438	320	.3R	190	.9R	150	154	380
7	1.3R	1438	340	.6R	210	1.5R	180	205	380
8	.5R	1698	340	.1R	210	1.0R	190	205	390
9	.9R	1698	340	.4R	210	1.1R	190	205	390
10	.0R	1698	350	.5L	210	.2R	190	205	400
11	.0R	1698	340	.6L	210	.0R	190	257	390
12	.0R	1698	340	.4L	210	.2R	190	257	400
13	.0R	1698	350	.4L	210	.2R	190	308	390
14	.6L	1698	350	.7L	210	.0R	190	308	400
15	.6L	1438	350	.8L	210	.0R	190	359	400
16	.7L	1438	360	1.0L	210	.0R	190	410	400
17	.7L	1438	350	1.0L	210	.0R	190	410	400
18	.6L	1438	350	.9L	210	.0R	190	462	400
19	.0R	1194	350	.6L	210	.1R	190	513	380
20	.0R	1194	350	.3L	210	.4R	190	513	400
21	.0R	934	360	.3L	210	.3R	190	513	390
22	.0R	934	360	.4L	210	.4R	190	564	390
23	.0R	934	360	.4L	210	.4R	190	564	390
24	.0R	934	360	.3L	210	.4R	210	718	390
25	.0R	934	350	.2L	210	.3R	190	770	390
26	.0R	674	360	.3L	210	.2R	190	923	390
27	.1R	674	360	.3L	210	.3R	190	923	390
28	.1R	674	360	.2L	210	.3R	190	923	390
29	.2R	430	360	.2L	210	.5R	190	1026	400
30	.5R	430	350	.0R	210	.7R	190	1180	420
31	.7R	430	350	.1R	210	.8R	190	1283	460
32	1.2R	170	360	.4R	200	1.1R	190	1283	520
33	1.4R	170	360	.6R	210	1.3R	190	1693	570
34	1.5R	149	360	.8R	210	1.4R	190	2155	630
35	1.7R	149	370	1.0R	210	1.5R	190	1693	560
36	1.7R	127	360	1.0R	210	1.6R	190	1693	510
37	1.5R	127	360	.8R	210	1.5R	210	923	450
38	1.4R	127	370	.8R	210	1.4R	190	1693	460
39	1.2R	127	370	.7R	210	1.4R	190	923	460
40	.8R	127	360	.5R	210	.9R	190	3848	420
41	.6R	127	360	.2R	210	.7R	190	2155	490
42	.1L	107	360	.2L	210	.0R	150	20366	410
43	.0R	85	350	.3L	210	.1L	140	20366	480
44	.2R	85	360	.0R	210	.0R	150	5130	560
45	.3R	85	360	.1R	210	.0R	150	5130	570

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 10000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.2L	1438	300	.2R	180	.7R	140		
2	1.1L	1698	320	1.1L	190	.0R	170		
3	1.3R	1698	330	.8R	190	1.7R	160		
4	.0R	1438	340	.4L	210	.7R	180		
5	.3L	934	330	.7L	210	.2R	180		
6	1.6R	934	310	1.4R	190	2.1R	140		
7	.7R	934	330	.3R	190	1.2R	170		
8	.3L	934	350	.6L	190	.3R	180		
9	.5L	1438	350	.8L	210	.2R	190		
10	.2L	934	350	.7L	210	.2R	190		
11	.5R	1194	360	.2L	210	.6R	190		
12	.2R	1194	350	.1L	210	.7R	190		
13	.5R	1194	350	.0R	210	.9R	190		
14	.5R	1194	340	.0R	210	.9R	190		
15	.4R	934	340	.0R	210	.8R	190		
16	.3R	934	340	.0R	210	.7R	190		
17	.3R	934	350	.1L	210	.7R	190		
18	.3R	934	350	.0R	210	.7R	190		
19	.4R	934	350	.0R	200	.7R	190		
20	.3R	674	350	.0R	210	.6R	190		
21	.3R	674	360	.1L	210	.6R	190		
22	.4R	674	350	.0R	210	.8R	190		
23	.4R	430	350	.0R	210	.6R	190		
24	.4R	430	350	.0R	210	.7R	190		
25	.2R	170	360	.1L	210	.6R	190		
26	.2R	170	360	.1L	200	.7R	190		
27	.2R	170	360	.1L	210	.6R	190		
28	.2R	170	360	.1L	210	.6R	190		
29	.2R	127	360	.1L	210	.5R	190		
30	.3R	127	360	.0R	210	.6R	190		
31	.3R	127	360	.0R	210	.6R	190		
32	.2R	127	360	.0R	210	.7R	190		
33	.2R	127	360	.0R	210	.5R	190		
34	.1R	107	360	.1L	210	.5R	190		
35	.0R	85	360	.1L	210	.6R	190		
36	.0R	107	360	.1L	210	.4R	190		
37	.1R	85	360	.1L	190	.4R	190		
38	.3R	85	350	.0R	190	.6R	190		
39	.2R	76	350	.0R	190	.6R	190		
40	.0R	76	350	.0R	190	.5R	190		
41	.0R	76	360	.1L	190	.5R	190		
42	.0R	68	360	.0R	190	.5R	190		
43	.1R	68	360	.0R	190	.6R	190		
44	.2R	68	360	.0R	190	.7R	190		
45	.2R	68	350	.0R	190	.6R	190		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 10000 FLT DIRECTION - FROM DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	4.4L	1698	310	3.7L	180	2.4L	140	154	390
2	2.8L	1698	320	2.5L	190	1.7L	160	205	380
3	.3L	1698	330	.3L	190	.3R	160	205	410
4	.2R	1194	340	.0R	190	.7R	180	205	410
5	.4R	934	340	.0R	200	.9R	180	205	400
6	1.5R	674	330	1.1R	190	1.9R	170	205	400
7	.5R	1194	330	.1R	190	1.1R	170	205	400
8	1.3L	934	330	1.2L	190	.5L	170	205	400
9	1.2L	1438	350	1.2L	210	.5L	180	257	400
10	1.0L	1194	350	1.0L	210	.2L	190	308	400
11	.0R	1194	350	.5L	210	.3R	190	308	400
12	.3R	1194	350	.0R	200	.7R	190	410	400
13	.6R	1194	340	.1R	210	1.0R	190	359	400
14	.7R	1194	350	.2R	190	1.1R	190	410	390
15	.2R	934	340	.0R	210	.8R	180	462	400
16	.4R	934	340	.0R	210	.8R	190	513	390
17	.5R	934	340	.2R	210	1.0R	190	513	390
18	.7R	934	340	.2R	210	1.0R	190	513	400
19	.5R	674	350	.1R	210	1.0R	180	667	390
20	.2R	674	350	.0R	210	.5R	190	718	390
21	.2R	674	350	.0R	210	.6R	190	770	400
22	.5R	430	350	.0R	210	.7R	190	770	400
23	.4R	674	350	.0R	210	.7R	190	923	410
24	.3R	430	360	.1R	200	.8R	190	1026	400
25	.3R	430	360	.0R	210	.7R	190	1180	400
26	.1R	170	350	.0R	190	.6R	190	1180	400
27	.2R	170	350	.0R	210	.6R	190	1283	400
28	.3R	170	360	.1R	190	.7R	190	1693	420
29	.1R	149	360	.1R	210	.8R	190	1693	420
30	.4R	127	360	.1R	210	.8R	190	2155	440
31	.3R	127	350	.1R	210	.6R	180	2565	470
32	.1R	127	350	.0R	210	.6R	180	2565	480
33	.2R	107	350	.1R	190	.7R	160	2565	550
34	.2R	107	350	.2R	190	.5R	150	3848	570
35	.1R	85	340	.0R	190	.0R	140	5130	590
36	.2R	76	350	.1R	190	.0R	140	3848	570
37	.1R	85	360	.1R	190	.0R	140	5130	500
38	.2R	85	350	.1R	190	.0R	130	5130	430
39	.2R	76	350	.2R	190	.5R	170	1693	560
40	.1R	76	360	.1R	190	.5R	160	2155	460
41	.1R	68	360	.1R	190	.6R	190	770	480
42	.2R	68	350	.1R	190	.6R	180	1026	480
43	.3R	68	350	.2R	190	.7R	180	770	490
44	.0R	59	350	.1R	190	.6R	180	1026	510
45	.1R	68	350	.2R	190	.6R	170	1180	570

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 15000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.7R	1438	330	.5R	200	1.0R	130		
2	1.0R	1698	330	.7R	200	1.1R	150		
3	1.0R	3396	340	.5R	200	1.2R	160		
4	1.9R	1698	330	1.4R	190	1.8R	160		
5	1.5R	1698	340	1.0R	190	1.6R	180		
6	.4R	1698	350	.1R	200	.6R	170		
7	.5L	1438	350	.6L	200	.1R	170		
8	.1R	1438	350	.1L	190	.4R	160		
9	.0R	1194	330	.0R	200	.3R	160		
10	.2R	1698	330	.1R	190	.4R	140		
11	.3L	1438	340	.4L	200	.2R	170		
12	.3R	1438	350	.0R	200	.6R	180		
13	.7R	1438	350	.4R	200	.8R	170		
14	.4R	1438	340	.2R	200	.7R	180		
15	.2R	1438	340	.1L	200	.5R	180		
16	.1R	1438	350	.2L	200	.3R	180		
17	.1R	1194	350	.1L	200	.4R	180		
18	.0R	1438	350	.1L	200	.3R	180		
19	.0R	1438	350	.1L	200	.4R	180		
20	.0R	1438	350	.1L	200	.5R	180		
21	.2R	1194	360	.2L	200	.3R	190		
22	.2R	674	360	.1L	200	.5R	190		
23	.1R	1438	360	.3L	200	.3R	190		
24	.4L	1194	360	.6L	200	.1R	200		
25	.4L	1194	370	.8L	200	.0R	190		
26	.5L	1194	370	.7L	200	.1L	200		
27	.3L	934	370	.7L	210	.0R	200		
28	.3L	674	370	.8L	210	.0R	190		
29	.2L	674	360	.6L	200	.1R	190		
30	0R	934	360	.5L	200	.3R	190		
31	.1R	934	360	.3L	200	.3R	190		
32	.3R	934	350	.0R	200	.5R	190		
33	.4R	674	350	.1R	200	.8R	190		
34	.7R	674	370	.2R	200	1.0R	190		
35	.5R	430	350	.2R	200	.8R	180		
36	.5R	430	360	.2R	200	.8R	180		
37	.5R	170	350	.2R	200	.9R	180		
38	.5R	430	350	.2R	200	.9R	180		
39	.4R	430	350	.1R	200	.7R	180		
40	.5R	430	350	.1R	200	1.0R	180		
41	.5R	430	350	.2R	200	1.0R	180		
42	.5R	170	350	.2R	200	1.0R	180		
43	.6R	170	350	.2R	190	1.0R	180		
44	.4R	149	350	.3R	200	.8R	190		
45	.5R	127	360	.2R	200	1.0R	180		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 15000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	4.6R	1438	310	3.8R	180	3.9R	130	205	380
2	1.4R	1698	320	1.3R	180	1.5R	130	205	390
3	.3L	1698	330	.3L	200	.0R	170	205	400
4	.1L	1698	330	.0R	200	.1R	140	205	390
5	.3L	1698	330	.2L	200	.1L	150	205	380
6	.7L	1438	350	.6L	210	.4L	180	257	390
7	1.1L	1194	370	1.0L	200	.6L	180	257	380
8	.4L	1194	350	.5L	200	.1L	170	308	390
9	.0R	1438	330	.0R	200	.2R	150	359	400
10	1.0R	1194	340	.7R	200	1.0R	160	359	390
11	.0R	1698	340	.0R	200	.0R	170	359	380
12	.0R	1438	350	.1R	210	.2R	170	410	380
13	.0R	1438	350	.0R	200	.2R	170	410	390
14	.6L	1438	340	.6L	200	.4L	170	462	390
15	.5L	1438	340	.7L	200	.5L	180	513	380
16	.3L	1698	350	.5L	200	.3L	180	564	390
17	.4L	1438	340	.3L	200	.3L	170	667	390
18	.0R	1698	330	.1L	200	.0R	170	667	390
19	.0R	1438	350	.0R	200	.2R	170	667	390
20	.0R	1438	350	.0R	200	.2R	170	667	380
21	.1R	1194	340	.3L	200	.1R	180	770	380
22	.5L	1438	360	.6L	200	.3L	180	770	390
23	.9L	1194	350	.9L	200	.7L	180	1026	390
24	.8L	1194	360	.8L	200	.5L	180	1026	390
25	.0R	934	360	.3L	200	.1L	180	923	370
26	.0R	430	360	.1L	190	.2R	180	923	390
27	.3R	430	350	.0R	190	.3R	180	1180	390
28	.4R	1194	360	.1R	200	.3R	180	1026	380
29	.1R	934	350	.1R	200	.3R	170	1283	400
30	.3R	1194	350	.1R	200	.3R	160	1693	420
31	.5R	934	340	.3R	200	.4R	170	1180	460
32	.7R	430	360	.4R	190	.6R	170	1180	480
33	1.0R	430	340	.8R	200	.7R	170	1180	500
34	1.0R	430	350	.8R	200	1.0R	160	1026	510
35	.9R	430	350	.6R	190	1.0R	160	1283	540
36	1.0R	430	360	.5R	190	1.0R	170	2565	530
37	.7R	430	350	.5R	200	.6R	160	1693	490
38	.3R	127	350	.1R	200	.3R	160	359	420
39	.1R	107	330	.0R	200	.2R	160	770	430
40	.1R	430	350	.1R	200	.3R	160	667	420
41	.3R	430	360	.1R	390	.4R	170	667	400
42	.3R	170	340	.2R	200	.3R	170	2565	470
43	.4R	68	350	.3R	200	.8R	150	2565	510
44	.2R	149	350	.2R	190	.5R	160	5130	500
45	.2R	149	340	.4R	190	.6R	160	2565	490

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE I ALT FLN 15000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	6.0R	1194	320	4.6R	430	6.2R	310		
2	2.5L	934	300	1.7L	180	1.3L	130		
3	1.3L	1194	330	.8L	170	.5L	140		
4	.5R	3396	330	.3R	210	.6R	140		
5	.6R	1194	320	.3R	190	.8R	150		
6	1.3L	1438	350	1.1L	190	.7L	160		
7	.9L	1194	350	.9L	200	.4L	170		
8	.0R	674	350	.0R	200	.4R	170		
9	1.0R	430	330	.9R	190	1.4R	140		
10	.3R	674	330	.2R	190	.7R	160		
11	.7L	934	330	.4L	180	.0R	140		
12	.6L	1194	350	.5L	200	.0R	170		
13	.0R	934	340	.0R	200	.3R	160		
14	.1R	1194	340	.0R	200	.2R	170		
15	.0R	1194	340	.1L	200	.2R	170		
16	.1R	170	350	.1L	190	.3R	180		
17	.0R	1194	350	.1L	200	.1R	170		
18	.0R	1194	350	.1L	200	.1R	170		
19	.1R	1194	350	.2L	200	.3R	160		
20	.1R	1438	350	.1L	200	.3R	170		
21	.0R	1194	350	.3L	200	.2R	170		
22	.0R	1194	350	.1L	200	.2R	170		
23	.1R	934	350	.2L	200	.3R	180		
24	.1R	934	350	.2L	200	.2R	180		
25	.2R	674	360	.1L	200	.3R	170		
26	.2R	934	360	.1L	200	.3R	180		
27	.1R	934	350	.1L	200	.3R	170		
28	.0R	674	360	.2L	200	.2R	170		
29	.1L	430	360	.3L	200	.2R	180		
30	.0R	430	360	.2L	200	.2R	180		
31	.0R	430	360	.1L	200	.2R	180		
32	.0R	430	360	.3L	200	.2R	180		
33	.0R	149	350	.1L	200	.1R	180		
34	.0R	170	350	.3L	200	.0R	170		
35	.0R	170	360	.1L	200	.1R	170		
36	.1L	170	370	.2L	200	.2R	170		
37	.2L	149	370	.1L	200	.0R	170		
38	.2L	149	360	.0R	200	.2R	170		
39	.0R	127	370	.1R	190	.3R	160		
40	.1L	170	350	.1R	180	.3R	150		
41	.0R	127	350	.2R	190	.3R	150		
42	.0R	127	350	.1R	190	.2R	150		
43	.2R	107	350	.4R	190	.4R	140		
44	.1L	107	340	.0R	170	.3R	150		
45	.0R	85	340	.2R	170	.3R	140		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE I ALT FLN 15000 FLT DIRECTION - FROM DESIRABLE - VOR

DIST	RCVR 1 CP	UV	FLAG	RCVR 2 CP	FLAG	RCVR 3 CP	FLAG	RCVR 4 UV	FLAG
1	2.9R	934	330	2.7R	170	2.5R	120	257	400
2	4.0L	1194	330	3.2L	170	3.3R	120	257	400
3	.2L	1698	320	.0R	180	.1R	140	257	400
4	.8R	1438	320	.9R	190	1.1R	140	359	400
5	.2L	1698	330	.0R	190	.3R	150	308	400
6	1.2L	934	340	.8L	190	.8L	170	359	400
7	.3L	1438	340	.2L	200	.0R	170	359	390
8	.0R	430	340	.1R	190	.1R	160	410	410
9	.5R	674	330	.7R	190	.9R	140	462	410
10	.1R	674	340	.1R	200	.5R	160	462	400
11	.0R	934	310	.0R	190	.2R	140	462	390
12	.5L	934	330	.5L	190	.1L	160	513	400
13	.1R	1438	330	.0R	200	.1R	170	564	390
14	.0R	934	340	.1R	200	.2R	170	667	410
15	.0R	1194	340	.0R	200	.1R	180	564	410
16	.0R	934	340	.0R	200	.1R	170	564	400
17	.0R	934	350	.2R	200	.1R	200	667	400
18	.3R	934	350	.2R	200	.4R	180	718	400
19	.3R	1194	340	.2R	210	.3R	180	770	410
20	.2R	934	340	.2R	200	.2R	180	923	400
21	.1R	1194	350	.1R	210	.1R	180	1026	400
22	.0R	934	360	.0R	210	.1R	180	1026	390
23	.0R	1194	350	.0R	230	.1R	170	1283	390
24	.2R	934	350	.1R	200	.2R	180	1283	410
25	.0R	934	360	.0R	200	.1R	180	1693	470
26	.0R	674	360	.0R	200	.1R	180	1693	400
27	.0R	674	350	.0R	200	.1R	180	1283	390
28	.0R	934	360	.1L	190	.1R	190	2155	400
29	.0R	674	350	.1L	190	.2R	190	2155	400
30	.0R	674	350	.0R	200	.2R	180	2565	410
31	.0R	934	360	.0R	200	.2R	170	2565	390
32	.1R	430	370	.0R	200	.1R	170	3848	400
33	.0R	674	370	.0R	190	.1R	180	3848	390
34	.0R	430	340	.2R	200	.4R	170	2565	410
35	.1R	149	360	.1R	200	.3R	170	3848	420
36	.0R	170	350	.0R	200	.3R	170	2565	420
37	.0R	170	360	.0R	190	.3R	160	3848	440
38	.0R	149	360	.0R	200	.3R	170	1693	580
39	.1L	149	340	.2R	190	.2R	170	2565	650
40	.0R	127	360	.1R	180	.1R	170	564	440
41	.1L	85	350	.3R	180	.4R	150	1283	540
42	.0R	127	350	.4R	190	.4R	160	718	530
43	.0R	107	350	.5R	190	.5R	160	1693	480
44	.1L	68	340	.2R	180	.4R	140	2565	430
45	.1L	68	370	.0R	150	.1R	130	1283	450

END OF PHASE I LISTING

9. TABULATION OF FLIGHT DATA-PHASE II

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 500 FLT DIRECTION - TO DESIRABLE - LOC

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.3R	5110	380	.5R	160	.2R	250		
2	.1R	3406	390	.1R	150	.0R	260		
3	.1R	1703	380	.1R	140	.0R	250		
4	.1L	1197	390	.0R	140	.1L	260		
5	.1L	676	390	.0R	120	.1L	260		
6	.2R	170	390	.2R	120	.1R	240		
7	.1R	137	390	.1R	110	.0R	240		
8	.2R	120	390	.2R	100	.1R	230		
9	.1R	86	380	.1R	100	.1R	240		
10	.2L	67	380	.2L	90	.2L	250		
11	.1L	52	390	.1L	90	.1L	240		
12	.2R	43	390	.2R	80	.1R	210		
13	.1L	38	390	.1R	80	.1L	230		
14	.1L	31	400	.0R	70	.1L	220		
15	.0R	22	390	.0R	60	.1L	200		
16	.1L	17	390	.1L	50	.1L	200		
17	.1L	17	390	.1L	50	.1L	190		
18	.1L	14	380	.0R	40	.3L	190		
19	.1L	10	390	.0R	40	.0R	140		
20	.2L	10	390	.1R	20	.0R	100		
21	.2L	7	380	.0R	20	.0R	50		
22	.2R	7	470	.1R	20	.1R	40		
23	.1R	5	480	.0R	20	.1R	30		
24	.2L	7	380	.0R	0	.0R	20		
25	.2L	2	370	.0R	10	.1R	0		
26	.3L	2	350	.0R	10	.0R	0		
27	.3L	2	330	.0R	0	.1L	0		
28	.2L	2	320	.0R	10	.0R	0		
29	.4L	2	310	.0R	0	.0R	0		
30	.3L	2	280	.1R	0	.0R	0		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 500 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.3L	5110	390	.3L	150	.2R	300	50	0
2	.2R	3406	380	.3R	150	.2R	250	50	10
3	.2L	1703	390	.2L	150	.2L	280	50	10
4	.2R	1197	380	.3R	140	.1R	240	50	20
5	.0R	938	380	.0R	120	.1L	260	50	40
6	.2L	432	390	.2L	120	.2L	270	50	70
7	.0R	137	390	.0R	110	.0R	240	50	110
8	.2R	103	390	.2R	110	.1R	230	50	150
9	.1R	86	390	.1R	90	.1R	230	50	170
10	.2L	74	390	.2L	90	.2L	250	50	180
11	.0R	55	390	.1R	90	.0R	230	50	210
12	.1L	43	390	.1L	80	.2L	230	50	210
13	.1L	43	380	.1L	80	.1L	220	104	220
14	.0R	31	390	.1R	70	.1L	220	154	240
15	.0R	24	400	.1R	60	.1L	210	154	250
16	.2L	22	400	.1L	60	.1L	200	204	270
17	.0R	14	400	.0R	40	.0R	170	258	270
18	.2L	14	390	.2L	40	.2L	150	412	280
19	.2L	12	380	.1L	30	.2L	120	720	290
20	.2L	10	380	.1L	40	.1L	50	1028	290
21	.1L	7	390	.0R	10	.0R	10	2572	290
22	.1L	7	310	.1R	0	.0R	0	16721	310
23	.1L	7	150	.0R	0	.1R	0	28297	290
24	.0R	10	40	.0R	0	.1R	0	51449	280
25	.1L	5	220	.0R	0	.0R	0	16721	280
26	.2L	2	310	.0R	0	.0R	0	3243	270
27	.3L	2	290	.0R	0	.0R	0	1182	270
28	.3L	2	280	.0R	0	.0R	0	720	270
29	.3L	2	240	.0R	0	.0R	0	462	260
30	.1L	2	240	.0R	10	.0R	0	362	260

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 1000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.4R	5110	380	.6R	130	.3R	250		
2	.1R	5110	380	.3R	130	.1R	270		
3	.1R	3406	380	.2R	130	.1R	260		
4	.2L	1703	380	.2L	130	.2L	280		
5	.0R	1703	380	.0R	120	.0R	260		
6	.1L	1197	380	.1L	120	.5L	270		
7	.0R	938	390	.1L	110	.1L	260		
8	.1R	676	380	.1R	110	.0R	250		
9	.1R	432	380	.1R	110	.1R	250		
10	.0R	137	390	.0R	100	.1L	250		
11	.1L	120	390	.2L	90	.1L	250		
12	.0R	103	380	.1R	90	.0R	250		
13	.1R	86	390	.2R	90	.1R	240		
14	.1L	74	400	.0R	80	.1L	240		
15	.1L	87	400	.1L	70	.1L	240		
16	.1R	55	390	.1R	70	.0R	240		
17	.1R	43	390	.1R	70	.0R	230		
18	.1R	43	400	.0R	70	.0R	220		
19	.1R	34	390	.1L	60	.1L	240		
20	.2L	31	400	.1L	60	.1L	240		
21	.0R	26	400	.0R	50	.0R	220		
22	.1R	22	400	.1R	50	.0R	200		
23	.0R	19	390	.1R	60	.0R	210		
24	.1R	17	400	.1R	40	.1R	200		
25	1L	14	400	.1L	30	.1L	200		
26	.2L	14	390	.1L	30	.2L	190		
27	.0R	10	390	.1R	30	.0R	170		
28	.2L	10	380	.1L	20	.1L	170		
29	.2L	10	380	.2L	10	.1L	160		
30	.1L	10	380	.0R	20	.1L	150		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 1000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAC	CP	FLAG	UV	FLAG
1	.1L	5110	380	.1R	130	.1L	280	50	130
2	.0R	5110	380	.0R	140	.1L	270	50	150
3	.0R	3406	390	.1R	140	.0R	270	50	170
4	.0R	1703	380	.1R	130	.0R	270	50	180
5	.1R	1442	390	.1R	130	.0R	250	70	200
6	.0R	1197	390	.0R	130	.0R	260	50	210
7	.2R	938	390	.2R	120	.2R	240	104	230
8	.2R	432	390	.3R	120	.1R	240	104	230
9	.1R	170	390	.1R	110	.1R	240	154	240
10	.0R	154	390	.1L	100	.0R	250	154	260
11	.1R	137	400	.1R	100	.0R	240	204	270
12	.1R	120	390	.2R	100	.1R	240	204	280
13	.2L	86	390	.1L	100	.2L	260	258	280
14	.0R	74	400	.1R	90	.0R	240	362	300
15	.1R	62	400	.1R	80	.0R	230	462	310
16	.1R	50	400	.1R	80	.0R	230	670	310
17	.0R	50	400	.0R	80	.0R	230	924	310
18	.0R	50	400	.1R	70	.0R	220	1182	310
19	.0R	34	390	.1R	70	.0R	210	2264	300
20	.0R	31	390	.1R	70	.0R	180	3859	300
21	.1L	26	390	.0R	60	.0R	120	5145	300
22	.1R	22	360	.1R	40	.0R	40	28297	310
23	.0R	22	240	.0R	20	.0R	0	39873	300
24	.0R	19	230	.0R	10	.0R	0	51449	280
25	.1L	14	260	.0R	0	.0R	0	39873	290
26	.2L	14	350	.1L	10	.1L	20	16721	290
27	.1L	12	360	.0R	20	.1L	40	4529	290
28	.2L	10	370	.0R	30	.1L	40	3859	290
29	.2L	10	380	.1L	20	.1L	70	2264	280
30	.2L	10	390	.1L	20	.1L	90	1286	280

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - LOC

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.1R	5110	390	.2R	140	.1R	260		
2	.6R	5110	380	.8R	140	.4R	230		
3	.2R	5110	380	.3R	130	.2R	250		
4	.3R	3406	380	.4R	140	.2R	240		
5	.3R	1703	380	.3R	140	.2R	240		
6	.2R	1703	380	.3R	130	.2R	250		
7	.1R	1197	380	.1R	130	.1R	250		
8	.1R	1197	390	.1R	130	.1R	250		
9	.1R	938	390	.2R	110	.1R	250		
10	.1R	676	380	.1R	120	.0R	250		
11	.2L	676	390	.2L	110	.1L	260		
12	.0R	432	390	.0R	110	.1L	250		
13	.1R	170	390	.1R	100	.1R	250		
14	.1R	154	380	.1R	110	.1R	240		
15	.1R	137	390	.1R	100	.0R	240		
16	.0R	120	380	.1R	100	.0R	250		
17	.1L	103	390	.1L	100	.1L	250		
18	.2L	86	390	.1L	90	.2L	250		
19	.1L	74	380	.1L	90	.1L	240		
20	.2L	67	390	.1L	90	.2L	250		
21	.1L	55	390	.1L	80	.1L	240		
22	.0R	50	390	.0R	70	.1L	230		
23	.1R	43	390	.1R	70	.1R	220		
24	.2R	43	390	.2R	80	.1R	210		
25	.1R	34	390	.1R	60	.1R	220		
26	.1R	31	390	.1R	60	.0R	220		
27	.0R	31	390	.0R	60	.0R	220		
28	.1R	26	390	.1R	60	.2R	210		
29	.0R	24	390	.0R	50	.1L	210		
30	.2L	22	390	.1L	60	.1L	220		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.1R	5110	380	.3R	140	.1R	260	50	210
2	.1R	5110	390	.3R	140	.1R	270	50	220
3	.1R	3406	380	.2R	140	.1R	270	104	240
4	.2R	3406	380	.3R	140	.2R	250	154	250
5	.2R	1703	380	.3R	140	.1R	240	154	260
6	.1R	1703	380	.2R	130	.1R	260	154	270
7	.2R	1197	390	.4R	130	.2R	250	204	270
8	.3R	1197	380	.3R	130	.2R	240	204	280
9	.2R	938	390	.2R	120	.1R	240	258	290
10	.2R	676	390	.2R	120	.1R	240	308	300
11	.3R	432	380	.3R	110	.2R	240	412	300
12	.2R	170	390	.2R	110	.1R	230	412	310
13	.2R	154	380	.2R	110	.1R	240	462	310
14	.1R	137	390	.1R	100	.1R	250	670	300
15	.1R	137	390	.1R	100	.1R	240	874	310
16	.1R	103	390	.1R	100	.1R	230	1028	310
17	.0R	86	390	.1R	90	.1L	240	1594	300
18	.0R	86	400	.0R	80	.1L	240	2264	310
19	.1R	74	390	.1R	90	.0R	230	3859	300
20	.1L	67	390	.1L	80	.1L	220	4529	290
21	.0R	62	390	.0R	80	.0R	200	5145	290
22	.0R	50	400	.0R	80	.1L	220	3243	280
23	.0R	43	390	.1R	70	.1L	80	5145	280
24	.0R	43	370	.0R	60	.0R	70	39873	290
25	.1L	34	380	.0R	50	.1L	70	39873	280
26	.1L	31	370	.0R	60	.1L	90	28297	280
27	.1L	31	390	.1L	60	.1L	120	5145	280
28	.2L	26	390	.1L	60	.1L	140	4529	280
29	.2L	24	390	.1L	50	.1L	150	3243	270
30	.2R	17	400	.3L	70	.2R	130	2572	280

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 3000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.4R	5110	390	.7R	140	.3R	260		
2	.1L	5110	390	.2L	130	.2L	320		
3	.1R	5110	390	.3R	140	.1R	290		
4	.1R	5110	390	.3R	140	.1R	280		
5	.1R	3406	390	.2R	140	.0R	280		
6	.1L	1703	400	.1L	140	.2L	300		
7	.1R	1703	380	.2R	130	.1R	290		
8	.2R	1442	400	.2R	130	.2R	270		
9	.1R	1442	390	.2R	130	.1R	270		
10	.1R	1197	400	.3R	130	.1R	270		
11	.1R	1197	390	.1R	120	.1R	270		
12	.2R	938	390	.3R	110	.1R	270		
13	.2R	676	390	.3R	120	.2R	260		
14	.1R	676	400	.1R	110	.0R	270		
15	.0R	170	400	.1R	110	.1L	280		
16	.0R	170	400	.2L	100	.1L	270		
17	.1R	170	400	.2R	110	.1R	270		
18	.1R	154	400	.1R	100	.1L	260		
19	.0R	137	400	.1R	100	.1L	270		
20	.0R	120	380	.0R	100	.1L	270		
21	.1R	103	390	.1R	100	.0R	250		
22	.1R	86	390	.2R	90	.1R	260		
23	.1R	86	400	.2R	90	.1R	260		
24	.0R	79	390	.1R	90	.1L	270		
25	.1R	74	400	.1R	90	.0R	260		
26	.1R	62	400	.1R	90	.0R	250		
27	.1R	62	400	.1R	80	.1R	260		
28	.2L	50	400	.2L	70	.2L	260		
29	.1L	43	400	.1L	60	.2L	260		
30	.3L	34	410	.3L	70	.3L	270		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 3000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.6R	5110	400	.9R	150	.4R	250	154	250
2	.1R	5110	400	.4R	160	.1R	290	204	260
3	.1R	5110	390	.4R	150	.1R	290	204	260
4	.2R	5110	390	.4R	140	.2R	280	204	280
5	.3R	5110	390	.4R	150	.3R	270	258	280
6	.2R	3406	400	.2R	140	.2R	280	308	270
7	.2R	1703	400	.2R	140	.2R	280	308	280
8	.2R	1703	390	.3R	130	.2R	270	362	300
9	.1R	1442	400	.1R	140	.1R	290	412	290
10	.0R	1197	400	.0R	130	.1L	280	462	290
11	.0R	1197	400	.1R	130	.1L	280	566	280
12	.1R	938	400	.0R	120	.1R	270	720	280
13	.0R	676	400	.0R	120	.1L	280	874	300
14	.2R	432	400	.2R	120	.1R	260	1028	300
15	.0R	423	400	.0R	110	.1L	280	1286	300
16	.0R	170	400	.2L	120	.1L	270	1594	290
17	.1L	170	400	.2L	110	.2L	280	2264	290
18	.1R	154	410	.1R	110	.0R	270	3243	290
19	.1R	137	400	.0R	100	.1R	260	3859	300
20	.0R	120	410	.1R	100	.0R	260	3859	290
21	.1R	103	400	.1L	90	.0R	260	2264	280
22	.1L	86	400	.1L	100	.2L	260	3859	310
23	.0R	86	410	.1L	80	.1L	160	28297	260
24	.0R	74	390	.1L	70	.1L	150	28297	290
25	.0R	74	400	.1L	90	.1L	200	5145	280
26	.1R	67	400	.1R	80	.0R	150	28297	280
27	.3L	62	400	.2L	80	.2L	180	16721	290
28	.2L	50	410	.3L	80	.2L	190	5145	280
29	.1L	43	400	.1R	70	.0R	200	3859	290
30	.3R	38	400	.3R	80	.2R	190	3243	280

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 4000 FLT DIRECTION - TO DESIRABLE - LOC

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.2L	5110	380	.1L	100	.2L	290		
2	.0R	5110	400	.3R	110	.0R	280		
3	.1L	5110	390	.3R	110	.1L	270		
4	.3R	5110	400	.5R	120	.2R	260		
5	.1R	5110	370	.1R	120	.1R	260		
6	.1L	1703	390	.1R	130	.1L	270		
7	.2L	3406	380	.0R	120	.1L	270		
8	.1R	1703	390	.2R	120	.1R	260		
9	.1L	1703	390	.2L	120	.1L	270		
10	.0R	1442	390	.1R	120	.0R	260		
11	.1R	1197	390	.2R	120	.1R	250		
12	.0R	1197	390	.0R	110	.1L	270		
13	.1R	1197	390	.1R	120	.1R	250		
14	.0R	676	390	.1L	110	.1L	260		
15	.1R	676	400	.1R	120	.1R	250		
16	.1R	432	390	.1R	120	.1R	250		
17	.2R	432	390	.3R	120	.2R	240		
18	.1R	170	390	.2R	110	.1R	240		
19	.0R	170	390	.1R	110	.0R	250		
20	.1L	154	390	.0R	110	.1L	250		
21	.0R	137	370	.1R	110	.0R	250		
22	.1L	137	390	.0R	110	.1L	250		
23	.1L	137	380	.0R	90	.1L	250		
24	.1L	120	390	.1L	100	.1L	250		
25	.1L	120	390	.1L	100	.1L	250		
26	.1R	86	390	.1R	100	.1R	240		
27	.0R	79	390	.1L	90	.1L	240		
28	.2L	79	390	.1L	90	.1L	250		
29	.0R	67	390	.1R	100	.0R	230		
30	.2R	67	380	.3R	100	.2R	230		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 4000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.1R	5110	360	.3R	80	.1R	270	258	300
2	.1R	5110	390	.4R	120	.1R	270	258	300
3	.1R	5110	370	.4R	90	.1R	260	308	310
4	.2R	3406	380	.3R	100	.1R	260	362	300
5	.3R	3406	380	.4R	100	.2R	250	412	310
6	.1R	3406	370	.3R	120	.1R	260	412	310
7	.1R	938	380	.1R	110	.1R	260	462	310
8	.1R	3406	370	.3R	110	.1R	260	462	330
9	.0R	3406	370	.3R	120	.0R	260	670	320
10	.1L	3406	370	.1R	110	.1L	270	670	320
11	.0R	1703	370	.1R	110	.1L	270	924	330
12	.1R	938	380	.1R	120	.1R	260	924	330
13	.0R	938	380	.2R	110	.0R	270	1286	310
14	.0R	938	390	.2R	110	.1R	260	1594	320
15	.0R	676	380	.2R	110	.1R	270	1594	330
16	.1R	676	390	.2R	110	.1R	260	1594	310
17	.2R	432	390	.2R	120	.1R	250	2264	300
18	.0R	170	400	.1R	120	.0R	260	2572	300
19	.0R	154	400	.1L	110	.1L	270	3243	310
20	.0R	154	390	.1R	110	.1L	260	2264	320
21	.0R	154	390	.1R	110	.1L	250	1594	330
22	.1R	137	390	.0R	100	.0R	240	16721	310
23	.0R	137	390	.0R	110	.0R	250	5145	330
24	.0R	120	390	.1L	100	.1L	210	16721	350
25	.0R	103	400	.0R	110	.0R	260	4529	360
26	.0R	86	390	.0R	100	.0R	240	5145	340
27	.0R	79	400	.0R	100	.0R	230	5145	330
28	.0R	79	400	.0R	90	.0R	220	4529	320
29	.1R	62	410	.3R	90	.1R	200	2264	310
30	.6R	67	400	.6R	120	.4R	200	4529	310

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 5000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.6R	5110	390	.7R	150	.4R	240		
2	1.0R	5110	410	1.4R	140	.7R	200		
3	.2R	5110	410	.3R	150	.1R	270		
4	.0R	5110	400	.1R	130	.0R	270		
5	.0R	5110	400	.2R	140	.0R	290		
6	.1R	5110	400	.1R	140	.0R	270		
7	.0R	5110	400	.0R	130	.0R	280		
8	.1R	5110	410	.2R	140	.0R	260		
9	.1R	5110	410	.1R	130	.0R	260		
10	.5R	3406	390	.6R	140	.3R	230		
11	.2R	1703	400	.3R	130	.1R	250		
12	.2R	1703	400	.2R	120	.1R	250		
13	.1R	1197	410	.1R	140	.0R	270		
14	.0R	1197	390	.1L	120	.0R	270		
15	.1L	1197	410	.1L	130	.1L	260		
16	.1R	1197	410	.2R	120	.0R	240		
17	.0R	676	400	.0R	100	.0R	250		
18	.1R	938	390	.0R	110	.0R	250		
19	.0R	432	410	.1R	110	.0R	260		
20	.1L	170	410	.0R	100	.1L	260		
21	.1L	170	400	.0R	110	.0R	250		
22	.0R	154	410	.1R	110	.0R	250		
23	.0R	154	410	.0R	100	.1L	240		
24	.1L	137	410	.0R	100	.0R	250		
25	.1L	137	400	.0R	90	.0R	250		
26	.0R	120	410	.1R	100	.0R	250		
27	.0R	120	410	.1R	100	.1L	250		
28	.0R	103	400	.0R	90	.0R	240		
29	.1R	86	400	.0R	90	.0R	240		
30	.1L	86	410	.0R	80	.1L	240		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 5000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.2R	5110	410	.1R	140	.0R	280	308	290
2	.2R	5110	410	.5R	160	.1R	270	308	290
3	.1R	5110	390	.1R	150	.1R	280	308	300
4	.1L	5110	390	.1R	150	.1L	290	412	270
5	.3R	5110	410	.4R	150	.1R	250	412	300
6	.3R	5110	400	.5R	140	.1R	260	462	290
7	.0R	5110	410	.1R	130	.0R	280	462	300
8	.1L	5110	390	.0R	130	.0R	290	566	300
9	.0R	5110	410	.1R	130	.0R	270	720	290
10	.1R	1703	410	.2R	140	.0R	270	770	300
11	.0R	3406	410	.2R	140	.0R	270	924	290
12	.2R	1442	410	.3R	140	.1R	270	1028	310
13	.1R	1197	420	.1R	120	.0R	260	1286	280
14	.0R	1197	410	.0R	120	.1L	280	1594	290
15	.1L	1197	410	.0R	120	.1L	270	1957	280
16	.1L	1197	400	.1L	120	.2L	280	2264	310
17	.1L	938	400	.1L	120	.1L	270	2572	280
18	.1L	938	410	.1L	110	.1L	280	3243	310
19	.0R	676	420	.0R	110	.0R	250	2572	280
20	.0R	432	400	.0R	100	.1L	280	1594	280
21	.0R	432	410	.0R	100	.1L	260	2264	290
22	.0R	170	410	.1R	110	.0R	260	16721	280
23	.1R	154	400	.1R	100	.0R	260	4529	280
24	.1R	154	410	.1R	90	.1L	180	39873	250
25	.2L	137	420	.3L	100	.2L	240	16721	310
26	.0R	137	420	.1R	100	.1L	270	4529	320
27	.0R	103	420	.0R	90	.1L	240	5145	290
28	.1R	120	410	.1R	110	.0R	240	5145	280
29	.1R	103	410	.1R	100	.0R	240	16721	290
30	.2R	103	400	.1R	90	.1R	230	4529	280

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 10000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.8L	3406	410	.5L	160	.5L	280		
2	.1R	5110	420	.2R	140	.0R	280		
3	.1L	5110	410	.0R	150	.1L	290		
4	.1L	5110	390	.0R	140	.1L	280		
5	.2R	3406	400	.3R	140	.1R	270		
6	.1R	5110	390	.3R	140	.0R	260		
7	.2R	3406	400	.3R	120	.1R	260		
8	.2L	3406	400	.0R	130	.2L	290		
9	.2L	5110	400	.0R	140	.1L	290		
10	.0R	5110	400	.1R	130	.0R	260		
11	.2R	3406	400	.4R	140	.1R	250		
12	.2R	1703	400	.3R	130	.1R	240		
13	.1R	1703	400	.2R	130	.1R	270		
14	.0R	1703	400	.1R	120	.0R	270		
15	.1R	1703	390	.1R	120	.0R	280		
16	.1R	1442	400	.1R	120	.0R	270		
17	.1L	1197	420	.0R	120	.1L	270		
18	.0R	1197	410	.1R	110	.0R	270		
19	.1R	1197	400	.1R	120	.0R	260		
20	.1R	1197	400	.2R	110	.0R	270		
21	.2R	938	400	.2R	110	.1R	250		
22	.0R	938	390	.1R	100	.0R	260		
23	.1R	1197	400	.1R	100	.0R	260		
24	.1L	938	400	.0R	100	.1L	270		
25	.1L	676	400	.1L	110	.1L	280		
26	.0R	432	410	.0R	100	.1L	270		
27	.1L	432	400	.1L	100	.1L	260		
28	.1L	432	400	.0R	120	.1L	270		
29	.2L	170	400	.1L	100	.2L	270		
30	.1L	170	400	.1L	110	.2L	270		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 10000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.8L	5110	410	.7L	140	.6L	240	516	300
2	.4R	5110	410	.5R	150	.2R	270	462	310
3	.1L	5110	400	.1R	150	.1L	290	516	280
4	.0R	5110	410	.2R	140	.1L	280	720	290
5	.2L	5110	400	.0R	140	.1L	290	720	310
6	.0R	5110	400	.1R	140	.0R	260	770	280
7	.2R	5110	400	.4R	140	.1R	260	874	300
8	.2R	3406	410	.3R	130	.0R	260	770	280
9	.1R	5110	410	.1R	130	.1L	290	924	310
10	.1R	3406	420	.1R	120	.1L	270	924	290
11	.2L	3406	400	.1L	130	.1L	290	1182	300
12	.1L	5110	420	.0R	130	.1L	290	874	290
13	.0R	3406	400	.1R	120	.0R	280	1182	300
14	.1L	1703	400	.0R	130	.1L	280	1182	300
15	.0R	1703	400	.1R	130	.1L	270	770	290
16	.0R	1703	400	.1R	130	.0R	280	874	290
17	.1L	1197	400	.0R	130	.1L	290	516	290
18	.1L	1197	410	.0R	120	.1L	270	412	310
19	.1R	1442	410	.2R	120	.1R	260	720	320
20	.2R	1197	410	.2R	120	.0R	250	2264	290
21	.0R	1197	410	.1R	120	.0R	270	3243	310
22	.1L	938	400	.1R	110	.1L	270	4529	270
23	.0R	676	410	.1R	120	.1L	260	2572	300
24	.0R	938	400	.1R	110	.1L	270	16721	200
25	.1L	432	400	.0R	110	.1L	270	28297	320
26	.0R	432	410	.2L	110	.1L	280	3859	300
27	.2L	432	410	.1L	110	.1L	280	3243	300
28	.2L	432	420	.2L	100	.2L	280	2264	320
29	.2L	432	410	.1L	110	.2L	280	1957	350
30	.0R	170	410	.0R	120	.0R	270	2572	290

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE II ALT FLN 15000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.3L	3406	390	1.5R	130	1.5L	230		
2	.4R	3406	390	.5R	120	.3R	260		
3	.2L	5110	390	.2L	130	.2L	310		
4	.2L	3406	400	.2L	130	.2L	300		
5	.1L	3406	400	.3R	140	.2L	290		
6	.1L	3406	400	.2R	140	.2L	300		
7	.1L	3406	390	.2R	130	.1L	290		
8	.1R	1703	400	.2R	120	.1L	270		
9	.2L	3406	400	.2L	140	.2L	300		
10	.2R	3406	390	.3R	120	.1R	270		
11	.1L	3406	390	.0R	130	.2L	290		
12	.1L	3406	400	.2R	120	.1L	280		
13	.1R	1703	400	.3R	120	.0R	280		
14	.1L	1703	400	.2L	120	.2L	300		
15	.1L	1703	400	.2L	120	.2L	280		
16	.1R	1703	390	.2R	110	.0R	280		
17	.1R	1442	400	.2R	120	.0R	280		
18	.1L	1442	400	.1L	120	.2L	280		
19	.2L	1197	400	.3L	100	.2L	290		
20	.1L	1197	390	.2L	110	.2L	290		
21	.1L	1197	390	.1L	110	.2L	280		
22	.2L	1197	390	.3L	100	.3L	290		
23	.1L	938	400	.2L	110	.2L	290		
24	.1L	938	390	.2L	100	.1L	280		
25	.0R	938	390	.1R	100	.1L	270		
26	.1L	938	400	.1L	390	.1L	270		
27	.1L	676	390	.2L	100	.2L	280		
28	.1L	676	390	.2L	90	.2L	280		
29	.2L	676	390	.2L	100	.2L	280		
30	.2L	676	390	.3L	100	.2L	280		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE II ALT FLN 15000 FLT DIRECTION - TO DESIRABLE - LOC

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.8L	5110	400	1.8L	160	1.9L	200	462	250
2	.3R	3406	400	.4R	140	.3R	260	516	270
3	.1L	5110	400	.3L	130	.2L	290	516	270
4	.2L	5110	390	.3L	140	.2L	300	566	250
5	.0R	3406	390	.3R	150	.1L	290	566	260
6	.2L	5110	400	.2L	150	.2L	300	720	270
7	.2L	3406	400	.2L	130	.2L	300	720	260
8	.2L	5110	390	.2L	130	.2L	300	720	260
9	.1L	3406	390	.1R	130	.2L	300	670	260
10	.0R	5110	390	.3R	130	.1L	280	670	270
11	.1L	3406	390	.1R	130	.2L	280	670	270
12	.1L	3406	390	.2R	140	.2L	290	516	250
13	.1L	1703	400	.2R	120	.2L	290	412	250
14	.0R	1442	400	.1R	130	.2L	280	308	250
15	.0R	1703	400	.3R	130	.1L	280	308	270
16	.0R	1703	400	.2R	120	.1L	280	412	280
17	.0R	1703	400	.2R	110	.1L	270	516	270
18	.1R	1442	390	.2R	120	.0R	270	924	260
19	.1R	1197	410	.1R	110	.1L	280	1594	260
20	.2L	1442	420	.2L	110	.3L	300	2572	270
21	.2L	1197	400	.2L	110	.2L	280	2264	250
22	.0R	1197	400	.2R	110	.1L	270	1594	240
23	.1R	938	400	.2R	110	.0R	270	874	410
24	.0R	1197	400	.2L	110	.2L	280	3859	170
25	.1L	938	400	.2L	110	.2L	280	5145	260
26	.1L	938	400	.2L	110	.2L	280	5145	290
27	.1R	938	390	.2R	110	.1R	280	2572	330
28	.0R	676	400	.2R	100	.1L	270	2264	240
29	.0R	676	400	.1R	110	.1L	270	1594	270
30	.1L	676	400	.1L	110	.2L	280	1182	270

END OF PHASE II LISTING

10. TABULATION OF FLIGHT DATA-PHASE III

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 500 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.0R	5110	340	.8L	180	.1L	340		
2	1.1L	3406	350	.2L	190	.8R	340		
3	1.2L	1442	350	.2R	190	1.0R	340		
4	1.5L	1442	350	.3R	190	1.3R	340		
5	1.0L	938	350	.3R	180	1.2R	340		
6	1.4L	432	360	.5R	180	1.3R	340		
7	1.2L	170	350	.4R	180	1.1R	330		
8	1.1L	154	350	.3R	180	1.1R	330		
9	1.1L	120	350	.5R	180	1.0R	320		
10	.5L	103	340	.0R	170	.5R	310		
11	.8L	86	340	.1R	170	.8R	320		
12	1.0L	79	340	.2R	170	.8R	320		
13	.9L	67	340	.1R	170	.7R	310		
14	.9L	62	340	.2R	170	.8R	320		
15	.7L	55	340	.1R	170	.8R	310		
16	.6L	43	340	.1R	170	.6R	310		
17	.7L	31	330	.2R	170	.7R	300		
18	.7L	31	330	.2R	160	.6R	310		
19	.8L	24	340	.2R	160	.7R	300		
20	.7L	22	330	.1R	160	.7R	290		
21	.7L	22	340	.1R	160	.7R	300		
22	.7L	19	330	.1R	160	.6R	280		
23	.5L	17	330	.0R	150	.4R	280		
24	.4L	14	330	.0R	150	.3R	280		
25	.4L	14	330	.0R	150	.4R	270		
26	.4L	14	330	.1L	150	.3R	280		
27	.5L	14	320	.0R	150	.5R	270		
28	.3L	10	320	.2L	140	.2R	260		
29	.4L	10	330	.1L	140	.5R	260		
30	.3L	10	330	.0R	140	.3R	250		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 500 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.0R	5110	330	.6L	180	.2L	330	50	10
2	1.3L	3406	350	.1R	190	.9R	350	50	20
3	1.1L	1703	340	.2R	180	.8R	330	50	20
4	.1L	1442	330	.0R	180	.2R	320	50	30
5	.9L	1197	330	.5R	180	.9R	310	50	40
6	.4L	432	330	.0R	170	.5R	310	50	40
7	.4L	170	330	.0R	170	.4R	310	50	70
8	.5L	154	330	.2R	180	.7R	320	50	100
9	1.1L	137	340	.8R	180	1.0R	310	50	170
10	.9L	120	340	.5R	170	.9R	320	50	230
11	.8L	86	330	.5R	170	.8R	310	50	220
12	.7L	79	320	.2R	170	.8R	310	50	290
13	.8L	74	330	.3R	170	.7R	310	50	310
14	1.0L	62	340	.5R	170	1.0R	300	50	350
15	1.2L	55	330	.5R	170	1.0R	300	104	370
16	1.4L	38	330	.6R	170	1.1R	300	154	380
17	1.3L	31	330	.5R	170	1.0R	290	204	390
18	1.4L	26	330	.5R	160	1.3R	280	412	400
19	1.5L	26	330	.7R	160	1.2R	260	566	400
20	1.3L	22	330	.5R	160	1.1R	180	1028	400
21	1.4L	22	330	.4R	150	1.4R	110	2572	390
22	.9L	17	300	.4R	130	.5R	30	5145	400
23	.3L	22	230	.4L	10	.2R	20	39873	390
24	.2L	24	110	.6L	0	.2R	20	51450	400
25	1.4L	14	290	.0R	110	.3R	20	5140	400
26	1.3L	14	310	.2R	140	1.8R	110	3959	400
27	1.7L	14	320	.4R	140	2.1R	130	3243	400
28	1.6L	12	320	.4R	140	1.3R	100	2264	390
29	1.9L	10	320	.7R	130	.6R	90	1286	400
30	1.3L	10	320	.3R	130	.6R	110	1028	410

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 1000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.5R	5110	340	.4L	190	.7L	350		
2	1.1R	5110	330	.7L	190	1.1L	330		
3	1.1R	5110	330	.7L	190	.9L	330		
4	1.2R	3406	330	.7L	190	.8L	330		
5	1.1R	1703	330	.7L	190	.8L	330		
6	1.3R	1442	340	.6L	190	1.0L	330		
7	1.0R	1197	350	.4L	190	.6L	340		
8	.3R	938	350	.0R	190	.3L	340		
9	.8R	676	340	.4L	190	.6L	330		
10	.9R	432	340	.5L	190	.7L	330		
11	.9R	432	340	.6L	190	.7L	330		
12	1.1R	170	340	.8L	180	.9L	330		
13	1.1R	154	340	1.0L	180	.8L	330		
14	.8R	137	330	.7L	180	.7L	320		
15	1.0R	103	340	.6L	180	.7L	330		
16	.8R	103	350	.5L	190	.5L	330		
17	1.1R	86	340	.5L	180	.6L	320		
18	1.0R	79	340	.4L	180	.6L	330		
19	1.1R	74	350	.6L	180	.6L	330		
20	.7R	74	340	.4L	180	.5L	320		
21	1.1R	62	340	.6L	180	.7L	320		
22	1.0R	62	330	.7L	180	.7L	320		
23	1.4R	50	330	.9L	170	.9L	310		
24	1.4R	43	330	.7L	170	.8L	310		
25	1.2R	38	340	.6L	170	.8L	310		
26	1.5R	31	330	1.0L	170	1.1L	310		
27	1.4R	26	330	.9L	170	.8L	310		
28	1.6R	26	330	1.0L	160	.9L	310		
29	1.4R	22	330	1.0L	160	.8L	310		
30	1.1R	19	330	.8L	160	.4L	300		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 1000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.2R	5110	340	.2L	190	.4L	350	50	80
2	.3R	5110	330	.1L	200	.5L	340	50	100
3	.4R	5110	330	.0R	190	.4L	330	50	140
4	1.2R	3406	330	.6L	190	.8L	340	50	170
5	.7R	1703	340	.4L	190	.5L	330	50	210
6	.4R	1442	340	.0R	190	.3L	340	50	250
7	.2R	1197	350	.1R	190	.0R	340	50	260
8	.3R	938	340	.0R	190	.0R	330	50	290
9	.2R	676	340	.0R	190	.1L	330	50	330
10	.3R	432	330	.0R	190	.3L	330	104	350
11	.6R	170	340	.2L	190	.3L	330	104	370
12	.5R	154	330	.3L	190	.3L	330	154	380
13	.1R	137	340	.1R	190	.0R	330	204	390
14	.0R	120	340	.1R	180	.1R	330	258	400
15	.0R	120	340	.2R	180	.1R	330	362	400
16	.1R	103	330	.0R	180	.0R	320	462	400
17	.0R	86	330	.2R	180	.2R	320	720	400
18	.0R	79	340	.1R	180	.0R	320	924	400
19	.0R	79	330	.0R	180	.0R	310	1957	390
20	.1L	74	330	.2R	180	.6R	260	3243	390
21	.0R	67	330	.0R	180	1.5R	180	5145	390
22	.0R	62	330	.0R	160	1.9R	120	39873	390
23	.0R	55	330	.2L	160	1.6R	140	28297	390
24	.0R	43	290	.9L	110	.1R	10	51449	380
25	.0R	38	320	.2L	150	1.2R	90	39873	380
26	.0R	31	330	.2L	160	1.9R	140	16721	390
27	.0R	31	330	.1L	170	1.5R	140	3859	390
28	.0R	26	330	.0R	170	1.4R	170	2572	390
29	.3L	22	330	.0R	160	1.4R	170	2264	400
30	.8L	22	340	.3R	170	1.9R	180	1957	390

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.6L	5110	340	2.1R	190	1.7R	340		
2	.3L	5110	340	.2R	200	.1R	350		
3	.4L	5110	330	.5R	190	.4R	340		
4	.8L	5110	350	.8R	200	.7R	350		
5	.6L	3406	340	.8R	190	.9R	350		
6	.6L	3406	350	.7R	190	.6R	350		
7	.7L	1703	350	.8R	190	.8R	350		
8	.6L	1442	350	.7R	190	.6R	340		
9	.6L	1197	340	.7R	190	.6R	340		
10	.2R	1197	350	.0R	190	.1R	300		
11	.6L	938	350	.7R	190	.5R	340		
12	.2L	938	340	.2R	190	.1R	330		
13	.4L	676	350	.4R	190	.4R	340		
14	.5L	432	340	.5R	190	.5R	330		
15	.3L	170	350	.4R	190	.5R	340		
16	.4L	154	340	.6R	190	.7R	330		
17	.2L	154	350	.4R	190	.4R	330		
18	.3L	137	330	.5R	180	.5R	330		
19	.3L	120	340	.5R	190	.4R	330		
20	.6L	120	340	.5R	180	.4R	330		
21	.6L	103	330	.6R	180	.5R	320		
22	.5L	86	340	.6R	180	.5R	320		
23	.4L	79	340	.5R	180	.4R	320		
24	.5L	74	330	.5R	180	.5R	310		
25	.2L	67	330	.5R	190	.4R	320		
26	.8L	67	340	.9R	180	.9R	320		
27	.6L	62	340	.6R	180	.5R	320		
28	.5L	62	340	.4R	180	.5R	310		
29	.5L	62	330	.5R	180	.6R	310		
30	.3L	55	350	.6R	180	.5R	310		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.8L	5110	330	2.2R	190	2.2R	340	50	220
2	.9L	5110	340	.8R	190	.7R	340	50	260
3	.6L	5110	340	.6R	200	.6R	330	50	310
4	1.0L	3406	340	.9R	190	1.0R	340	50	320
5	1.4L	3406	350	1.4R	190	1.2R	340	50	340
6	1.4L	1703	350	1.2R	190	1.3R	350	104	350
7	1.2L	1703	350	1.2R	200	1.3R	350	104	360
8	1.3L	1442	350	1.2R	190	1.4R	340	154	380
9	1.4L	1442	360	1.2R	190	1.4R	340	154	380
10	1.6L	1197	360	1.3R	190	1.4R	340	204	380
11	1.4L	938	360	1.5R	190	1.6R	340	258	390
12	1.6L	938	350	1.3R	190	1.5R	340	308	390
13	1.5L	676	350	1.2R	190	1.4R	340	362	400
14	1.5L	432	350	1.3R	190	1.5R	340	462	400
15	1.4L	170	350	1.4R	190	1.6R	340	670	400
16	1.7L	170	360	1.5R	190	1.7R	340	770	390
17	1.8L	154	350	1.5R	190	1.7R	330	1182	400
18	1.4L	137	350	1.2R	190	1.3R	320	1957	400
19	1.2L	137	350	1.1R	180	1.1R	320	2572	390
20	1.3L	103	340	1.1R	190	1.4R	270	4529	390
21	1.3L	103	330	1.2R	180	1.7R	190	5145	390
22	1.1L	86	330	1.0R	180	2.0R	160	16721	390
23	1.0L	86	330	.8R	180	1.3R	190	16721	440
24	.8L	74	330	.4R	170	1.0R	80	39873	400
25	1.0L	67	330	.7R	170	1.4R	100	39873	400
26	.9L	67	330	.5R	180	2.2R	170	28297	400
27	.9L	67	330	.8R	180	1.7R	150	5145	400
28	1.0L	62	340	.8R	180	1.5R	190	4529	410
29	1.2L	62	340	.8R	180	1.6R	210	3243	400
30	1.1L	55	320	.9R	180	1.4R	250	1957	410

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 3000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	2.7L	5110	320	1.7R	190	.5R	310		
2	2.5L	5110	310	1.7R	190	.5R	310		
3	1.6L	5110	320	.9R	190	.3L	310		
4	1.5L	5110	320	.9R	190	.2L	330		
5	1.7L	3406	320	1.1R	190	.0R	330		
6	1.8L	5110	320	1.3R	190	.0R	320		
7	1.5L	3406	320	.9R	190	.0R	320		
8	2.1L	1703	330	1.3R	190	.2R	330		
9	2.3L	1703	320	1.6R	200	.7R	330		
10	1.8L	1442	320	1.2R	190	.1R	330		
11	1.3L	1442	320	.7R	190	.2L	320		
12	.9L	1442	310	.4R	190	.4L	310		
13	.8L	1197	310	.2R	190	.6L	300		
14	.8L	1197	310	.1R	190	.5L	310		
15	.7L	938	310	.2R	190	.4L	310		
16	.9L	938	300	.3R	180	.3L	310		
17	1.1L	938	300	.3R	190	.1L	310		
18	1.1L	676	300	.5R	190	.0R	320		
19	1.2L	676	300	.4R	180	.2R	320		
20	2.0L	432	290	1.2R	190	.8R	320		
21	2.4L	170	300	1.6R	190	1.3R	330		
22	2.5L	154	300	1.5R	180	1.3R	330		
23	2.2L	154	280	1.3R	180	1.1R	330		
24	1.7L	137	280	.8R	170	.7R	310		
25	1.6L	120	270	.6R	170	.5R	310		
26	1.6L	120	270	.8R	170	.6R	310		
27	1.7L	103	270	.7R	170	.6R	310		
28	1.7L	103	270	.9R	170	.8R	310		
29	1.6L	79	280	.8R	170	.8R	310		
30	2.1L	74	260	1.3R	160	1.1R	310		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 3000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.9L	5110	330	.2R	190	.2L	310	104	360
2	1.5L	5110	320	1.0R	190	.1L	310	104	360
3	.2L	5110	320	.1L	190	1.1L	310	104	360
4	.5L	5110	330	.1R	200	.7L	320	154	390
5	.4L	5110	320	.2L	190	1.0L	310	154	390
6	1.3L	5110	310	.4R	190	.6L	300	204	380
7	2.1L	3406	340	1.1R	190	.0R	310	204	400
8	2.5L	1703	340	1.5R	190	.2R	310	204	400
9	2.7L	1703	350	1.5R	190	.2R	310	258	410
10	2.5L	1442	340	1.3R	190	.2R	310	308	400
11	2.5L	1703	320	1.7R	200	1.1R	320	362	400
12	3.0L	1442	350	1.7R	190	.5R	310	412	410
13	2.8L	1442	350	1.7R	190	.6R	310	462	400
14	2.9L	1197	350	1.7R	190	.5R	310	720	400
15	2.8L	938	350	1.4R	190	.5R	310	874	400
16	3.0L	938	340	1.7R	190	.6R	310	1028	360
17	2.7L	676	350	1.5R	190	.5R	310	1286	400
18	2.5L	676	340	1.5R	190	1.0R	310	1957	410
19	2.2L	676	310	1.3R	190	.7R	310	3243	410
20	2.5L	432	330	1.3R	180	.3R	300	3859	410
21	2.4L	170	340	1.2R	180	.9R	270	4529	410
22	2.1L	154	330	.9R	180	1.0R	220	5145	420
23	2.2L	170	330	1.0R	180	.5R	270	4529	430
24	1.9L	137	310	.8R	180	2.5R	180	39873	430
25	1.9L	137	330	.6R	170	2.0R	180	39873	420
26	2.1L	137	330	.8R	180	1.6R	140	5145	420
27	2.4L	103	340	1.1R	80	1.4R	160	5145	400
28	2.7L	103	340	1.1R	180	1.1R	190	4529	410
29	2.5L	86	340	1.1R	170	.5R	220	3859	410
30	2.6L	74	330	1.1R	170	.5R	240	2572	400

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 4000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	1.6L	1703	320	1.0R	210	1 R	340		
2	2.6L	1703	350	2.1R	210	2.4R	370		
3	.5R	1703	330	.4L	190	.0R	340		
4	.1L	5110	330	.0R	200	.4R	340		
5	.5L	3406	330	.3R	200	.5R	350		
6	.4R	1703	330	.5L	190	.0R	340		
7	.2R	3406	330	.1R	200	.4R	350		
8	.3L	3406	340	.5R	200	.7R	350		
9	.2R	1703	330	.0R	200	.1R	340		
10	.6R	1703	330	.4L	190	.1L	340		
11	.0R	1442	330	.2R	190	.5R	350		
12	.0R	1703	330	.1R	200	.4R	340		
13	.4R	1197	330	.2L	200	.2R	340		
14	.3R	1197	340	.0R	200	.1R	340		
15	.3R	938	330	.0R	200	.3R	340		
16	.1R	1197	340	.2R	200	.5R	340		
17	.0R	938	340	.3R	200	.5R	340		
18	.5R	1197	330	.1L	200	.3R	340		
19	.8R	676	330	.5L	200	.2L	340		
20	.1R	676	330	.2R	200	.6R	330		
21	.3L	432	340	.5R	190	.9R	340		
22	.3R	432	340	.1R	200	.3R	340		
23	1.8R	432	330	1.0L	190	.8L	240		
24	.2R	154	340	.0R	200	.3R	340		
25	.5L	154	340	.8R	200	1.0R	350		
26	.4R	154	330	.0R	200	.3R	330		
27	2.2R	137	330	1.6L	200	1.0L	330		
28	1.7R	120	340	1.3L	200	.9L	340		
29	1.4R	137	340	1.0L	200	.5L	350		
30	.7R	120	350	.4L	200	.0R	350		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 4000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.8L	5110	330	1.7R	190	2.2R	330	154	380
2	2.7L	1703	370	2.3R	200	2.3R	370	154	400
3	.1L	5110	330	.1R	200	.1R	340	204	380
4	.5L	1703	330	.2R	200	.5R	350	204	390
5	.3L	3406	330	.1R	190	.3R	340	204	410
6	.1R	3406	330	.4L	190	.3L	360	204	400
7	.2R	3406	330	.3L	200	.2L	350	258	410
8	.1R	1703	330	.2L	200	.0R	350	308	400
9	.3R	1703	330	.1L	200	.1R	350	412	410
10	.3R	1703	330	.0R	200	.1R	350	412	410
11	.0R	1703	340	.0R	200	.2R	360	462	420
12	.0R	1703	340	.0R	200	.1R	340	566	430
13	.2R	1442	340	.0R	200	.3R	350	670	410
14	.3L	1197	340	.5R	200	.5R	340	874	420
15	.4L	1197	340	.7R	200	.7R	360	1182	430
16	.1L	938	350	.3R	200	.5R	350	1594	430
17	.3L	1197	340	.3R	200	.5R	340	1957	430
18	.0R	1197	330	.2R	200	.3R	340	2572	430
19	.3R	938	340	.0R	200	.3R	340	3243	460
20	.1R	938	350	.0R	200	.3R	350	4529	530
21	.0R	938	340	.2R	200	.5R	330	4529	660
22	.0R	432	340	.5R	200	.9R	330	4529	700
23	.0R	432	340	.2R	200	.5R	340	2264	690
24	.0R	432	340	.3R	200	1.6R	270	16721	670
25	.3R	170	330	.2L	200	1.1R	260	16721	620
26	.7R	43	330	.5L	200	1.1R	250	16721	590
27	.0R	154	330	.2R	190	1.4R	280	5145	590
28	.7L	154	340	.8R	200	1.4R	310	3859	580
29	.1L	137	340	.2R	200	1.1R	300	4529	480
30	1.0R	137	339	.7L	200	.0R	300	3243	410

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 5000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	2.4L	5110	330	1.6R	200	2.1R	310		
2	2.7L	3406	350	1.9R	200	2.4R	320		
3	2.5L	3406	320	1.7R	200	2.2R	300		
4	1.2L	3406	330	.6R	210	1.1R	310		
5	.4L	5110	360	.0R	200	.1R	300		
6	.3R	3406	340	.2L	220	.2R	320		
7	1.0R	1703	360	1.1L	200	.9L	300		
8	1.1R	1703	330	1.0L	210	.4L	310		
9	.8R	1703	350	.8L	200	.6L	290		
10	.3R	1703	350	.4L	200	.0R	310		
11	.1R	3406	340	.3L	210	.0R	300		
12	.3L	1703	360	.1L	210	.0R	300		
13	.4R	1703	350	.5L	210	.0R	290		
14	.0R	1703	370	.3L	200	.2L	290		
15	.2R	1703	360	.0R	200	.3R	300		
16	.2L	1442	360	.2R	210	.5R	300		
17	.7L	1197	370	.6R	210	1.0R	300		
18	.2L	1197	360	.0R	220	.3R	280		
19	.7L	1197	360	.1R	200	.2R	300		
20	1.4L	938	370	.9R	210	1.4R	310		
21	1.2L	938	370	.5R	200	.5R	300		
22	.7L	676	360	.3R	220	1.0R	310		
23	.5L	938	350	.0R	210	.6R	290		
24	.5L	676	390	.1L	200	.0R	290		
25	.0R	432	370	.2L	200	.3R	300		
26	1.1L	432	380	.3R	200	.3R	300		
27	1.0L	170	390	.5R	200	1.0R	300		
28	.8L	432	370	.2R	200	.2R	290		
29	.8L	154	360	.3R	200	1.0R	300		
30	.1R	130	350	.4L	190	.2R	280		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 5000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	.1R	5110	370	.5L	200	.5L	290	204	390
2	1.3L	5110	380	.8R	210	1.1R	330	204	400
3	.8L	3406	360	.2R	200	.2R	290	204	390
4	.2L	5110	370	.1L	210	.0R	310	258	410
5	.9L	3406	360	.4R	210	.6R	310	258	400
6	.2L	3406	370	.5L	200	.2L	300	362	400
7	.3R	5110	340	.5L	210	.0R	310	412	390
8	.3R	3406	360	.3L	200	.0R	310	412	400
9	.3R	3406	360	.5L	210	.1L	320	462	410
10	.7R	1703	340	.8L	190	.2L	300	516	400
11	.4R	3406	380	.9L	200	.6L	300	676	400
12	.1R	5110	330	.2L	210	.2R	310	770	400
13	.0R	1703	350	.2L	200	.0R	310	1028	400
14	.1R	3406	360	.3L	210	.0R	310	1286	400
15	.3R	1703	350	.4L	200	.0R	320	1594	400
16	.5R	1442	360	.7L	200	.3L	300	1957	410
17	.7R	1197	350	.8L	210	.1R	300	2572	400
18	.5R	1197	360	.7L	200	.2L	290	3243	410
19	.2L	1197	350	.0R	200	.6R	300	4529	420
20	1.4L	1197	350	.9R	210	1.4R	300	3859	410
21	2.0L	938	380	1.1R	200	1.3R	310	3859	360
22	1.5L	938	340	.8R	210	1.2R	250	18721	390
23	2.1L	676	380	.8R	200	1.1R	300	3859	400
24	1.0L	676	340	.5R	200	2.0R	180	39873	400
25	1.1L	676	370	.5R	200	1.5R	220	28297	400
26	1.3L	432	350	.6R	200	1.8R	200	16721	390
27	1.6L	432	360	.8R	210	1.8R	210	16721	390
28	2.3L	432	380	1.1R	200	1.4R	230	16721	400
29	2.0L	170	360	1.2R	200	1.7R	250	5145	390
30	1.0L	154	380	.4R	190	.7R	260	4529	380

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 10000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.3R	5110	350	.8L	180	1.0L	260		
2	2.9L	3406	340	2.1R	200	2.1R	290		
3	.9L	3406	360	.3R	200	.0R	280		
4	1.6L	3406	360	.8R	190	.8R	310		
5	1.4L	1703	360	.9R	210	1.1R	310		
6	.3R	1703	350	.7L	190	.7L	270		
7	1.5R	3406	330	1.4L	190	1.2L	290		
8	.3R	1703	350	.8L	190	1.0L	290		
9	1.0R	1703	350	1.0L	200	.9L	300		
10	1.1R	1703	350	1.0L	180	1.0L	290		
11	.3R	1703	370	.8L	190	1.0L	300		
12	.7R	1703	350	.8L	200	.7L	300		
13	.9R	1703	360	1.3L	190	1.4L	280		
14	1.2R	1703	350	1.2L	200	.8L	300		
15	1.3R	1442	340	1.4L	190	1.2L	290		
16	1.4R	1442	350	1.3L	180	1.5L	290		
17	1.2R	1442	330	1.3L	190	1.1L	300		
18	1.2R	1442	360	1.4L	180	1.5L	270		
19	1.1R	1442	340	1.1L	190	1.0L	290		
20	.7R	1197	330	.7L	190	.5L	290		
21	.5R	1197	360	.7L	190	.6L	290		
22	.6R	1442	340	.8L	200	.5L	300		
23	.4R	1197	360	.8L	180	.9L	280		
24	.0R	1197	350	.2L	190	.1L	290		
25	.2L	1197	360	.0R	200	.1R	310		
26	.6L	938	370	.1R	180	.0R	290		
27	.5L	1197	360	.2R	190	.3R	300		
28	.2L	676	360	.0R	190	.0R	310		
29	.0R	938	350	.0R	200	.0R	310		
30	.0R	938	360	.2L	190	.1R	310		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 10000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	4.2R	5110	340	3.4L	190	3.1L	280	362	400
2	1.6L	5110	340	.9R	210	1.4R	320	362	410
3	.8L	1703	330	.2R	200	.4R	290	412	390
4	1.3L	3406	350	.5R	200	.9R	310	412	410
5	2.0L	1442	340	1.3R	200	1.8R	320	516	390
6	.0R	1442	340	.4L	190	.2L	300	516	400
7	.1L	1703	330	.1L	210	.3R	300	770	400
8	.2R	3406	330	.6L	200	.1L	300	720	400
9	.1L	3406	340	.1L	210	.2R	310	874	390
10	.2L	3406	350	.0R	200	.2R	310	924	400
11	.4L	3406	350	.1L	200	.0R	320	1028	400
12	.2L	3406	340	.0R	210	.4R	320	1182	410
13	.3L	3406	350	.1L	200	.1R	310	1286	420
14	.2L	3406	350	.0R	200	.2R	310	1594	400
15	.1L	3406	340	.0R	200	.4R	310	1594	400
16	.3L	3406	360	.2L	190	.3L	300	1594	410
17	.6R	1442	350	.8L	200	.4L	300	2264	390
18	.9R	1703	360	1.5L	180	1.4L	270	2572	420
19	1.2R	1442	340	1.4L	190	1.1L	300	1957	410
20	.5R	1442	340	.7L	200	.3L	300	4529	410
21	.1L	1442	360	.2L	190	.1L	300	3243	410
22	.6L	1197	350	.1R	200	.3R	310	670	450
23	1.2L	938	370	.3R	190	.1R	280	874	400
24	1.3L	1197	350	.6R	200	1.0R	310	5145	390
25	1.1L	938	340	.5R	200	.5R	290	16721	400
26	1.2L	938	370	.3R	190	.5R	300	4529	420
27	1.1L	938	370	.5R	200	.8R	290	4529	400
28	1.3L	676	360	.3R	190	.2R	290	5145	390
29	.6L	938	350	.0R	190	.3R	290	5145	410
30	.2L	432	360	.3L	190	.2L	260	4529	440

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 15000 FLT DIRECTION - TO DESIRABLE - VOR

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	3.0L	3406	280	2.2R	180	1.7R	330		
2	2.8L	5110	290	2.2R	190	1.6R	340		
3	3.2L	3406	310	3.0R	200	1.9R	370		
4	1.4L	3406	290	.8R	180	.5R	330		
5	.8L	1703	300	.4R	190	.1R	350		
6	1.3L	1703	310	.9R	190	.5R	360		
7	1.9L	1442	320	1.8R	200	1.0R	380		
8	1.7L	1197	320	1.7R	190	.9R	370		
9	.2L	1442	310	.2R	190	.4L	350		
10	2.1R	1442	290	1.9L	190	2.0L	350		
11	1.1R	1442	300	1.2L	190	1.4L	350		
12	.2L	1442	300	.0R	190	.4L	350		
13	.3L	1703	290	.0R	190	.3L	340		
14	.0R	1442	290	.3L	190	.7L	350		
15	.5R	1703	290	.9L	190	1.1L	350		
16	.5R	1703	290	.6L	190	1.0L	360		
17	.0R	1703	310	.1L	190	.5L	360		
18	.0R	1442	310	.0R	190	.5L	360		
19	.2R	1442	300	.2L	190	.6L	360		
20	.6L	1743	300	.3R	190	.1L	360		
21	.4L	1197	300	.1R	190	.2L	350		
22	.5R	1442	300	.5L	190	.9L	350		
23	.6R	1442	300	.7L	190	1.0L	350		
24	.0R	1197	300	.0R	180	.5L	350		
25	.2L	1197	300	.1R	190	.3L	360		
26	.2L	1197	300	.1L	180	.4L	350		
27	.6R	1197	300	.7L	190	1.2L	350		
28	.2R	938	310	.2L	190	.6L	350		
29	.6L	1197	310	.4R	190	.2L	360		
30	.0R	938	300	.6R	190	.2R	350		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 15000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.1L	5110	290	1.2R	190	.9R	310	412	400
2	1.7L	5110	300	1.0R	200	.6R	330	462	400
3	2.8L	5110	320	2.1R	200	1.6R	360	516	410
4	.2L	3406	290	.5L	200	.5L	320	516	410
5	.4L	3406	320	.3L	190	.4L	330	720	410
6	1.6L	1703	320	.8R	200	.8R	340	566	410
7	2.5L	1442	330	1.8R	200	1.4R	360	720	410
8	3.2L	1197	320	2.5R	200	2.3R	350	924	410
9	2.2L	1442	310	1.4R	190	1.2R	330	874	400
10	1.1L	1703	300	.3R	200	.2R	330	1028	400
11	.9L	1442	310	.1R	200	.0R	320	924	410
12	.9L	1703	310	.1R	190	.0R	330	924	400
13	.5L	1703	320	.2L	190	.3L	340	1182	400
14	.0R	1703	290	.3L	180	.4L	330	1286	400
15	.3R	1703	280	.4L	180	.6L	330	1286	410
16	.2R	1703	300	.4L	190	.4L	330	1182	410
17	.2R	1703	280	.3L	180	.6L	330	1182	420
18	.2L	1442	280	.3R	170	.0R	330	2264	420
19	.3L	1442	290	.3R	170	.1R	320	3243	390
20	.4L	1442	270	.5R	170	.0R	320	2572	410
21	.9L	1442	290	.4R	180	.0R	330	1182	410
22	.7L	1442	270	.5R	170	.0R	320	1286	420
23	.4L	1197	270	.5R	170	.1R	320	516	410
24	.2L	1197	280	.0R	170	.2L	320	2264	400
25	.0R	1197	280	.2L	170	.4L	310	3859	470
26	.3R	1197	290	.6L	180	.8L	320	4529	500
27	.3R	1197	270	.5L	170	.6L	320	3859	450
28	.1L	938	280	.0R	190	.3L	320	3243	420
29	.2L	938	270	.3R	160	.2L	310	2572	410
30	.1R	1197	270	.5L	160	.5L	310	3243	420

END OF PHASE III LISTING

11. BEGIN SUPPLEMENTAL DATA

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	1.5L	5110	350	.7R	190	1.8R	310		
2	.0R	5110	350	.6L	190	.4R	300		
3	.6R	5110	360	1.3L	190	.1L	310		
4	1.0R	3406	350	1.5L	190	.3L	310		
5	1.2R	1703	360	1.5L	190	.3L	300		
6	.5R	3406	350	.9L	190	.2R	300		
7	.2R	1703	370	.8L	190	.2R	310		
8	.2R	1703	340	.8L	190	.4R	300		
9	.1R	1442	360	.7L	180	.5R	310		
10	.0R	1442	350	.5L	190	.7R	310		
11	.3L	938	360	.4L	190	.7R	310		
12	.6L	938	350	.3L	200	1.0R	300		
13	.9L	676	350	.0R	200	1.4R	310		
14	.6L	676	350	.0R	190	1.1R	300		
15	.3L	170	350	.4L	190	.9R	290		
16	.8L	170	360	.3L	180	1.0R	300		
17	.4L	154	360	.4L	180	.9R	300		
18	.6L	154	360	.4L	190	.9R	280		
19	.7L	154	340	.4L	170	1.0R	290		
20	.8L	103	360	.3L	180	1.0R	300		
21	.6L	103	350	.4L	190	1.1R	290		
22	.6L	86	350	.4L	180	1.1R	290		
23	.6L	86	360	.6L	180	1.0R	300		
24	.3L	74	330	.8L	170	.9R	290		
25	.7L	74	340	.7L	170	.7R	280		
26	.9L	67	350	.7L	170	.8R	270		
27	.5L	74	350	.7L	170	.8R	280		
28	.4L	79	350	.8L	170	.8R	280		
29	.2L	86	320	.0R	170	1.5R	290		
30	.3R	67	320	.4R	160	1.8R	270		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - VOR

	RCVR 1			RCVR 2		RCVR 3		RCVR 4	
DIST	CP	UV	FLAG	CP	FLAG	CP	FLAG	UV	FLAG
1	2.0L	5110	370	.9R	200	2.0R	330	50	190
2	1.1L	5110	360	.2R	200	1.0R	320	50	240
3	1.3L	5110	360	.3R	200	1.4R	320	50	280
4	.0R	5110	370	.4L	200	.4R	320	50	290
5	.2R	3406	350	.7L	200	.2R	320	50	340
6	.0R	5110	350	.7L	200	.6R	320	104	360
7	.1R	3406	370	.7L	200	.3R	330	104	360
8	.3R	1703	360	.8L	200	.5R	320	104	370
9	.1R	1442	350	.6L	190	.4R	320	154	380
10	.2L	1442	360	.4L	180	.8R	320	204	390
11	.5L	1197	360	.2L	200	.9R	310	204	390
12	.3L	1197	360	.4L	190	.9R	310	204	400
13	.5L	938	370	.2L	190	1.0R	310	258	410
14	.4L	676	360	.2L	190	1.0R	320	362	410
15	.4L	432	360	.3L	190	1.0R	320	412	400
16	.3L	170	350	.3L	190	.9R	320	670	400
17	.3L	170	370	.3L	190	1.1R	320	770	400
18	.2L	154	360	.4L	190	.9R	300	1182	360
19	.6L	137	350	.4L	190	1.0R	310	2264	390
20	.2L	120	360	.3L	180	.6R	310	3243	400
21	.1L	103	360	.5L	190	1.0R	300	4529	410
22	.3L	86	360	.5L	180	1.3R	280	5145	420
23	.3L	86	350	.5L	190	1.4R	280	5145	410
24	.1L	86	350	.5L	180	1.8R	230	39873	400
25	.0R	79	350	.5L	180	2.4R	230	39873	400
26	.0R	67	350	.5L	180	1.7R	270	16721	390
27	.0R	74	350	.7L	180	1.1R	280	5145	400
28	.2L	67	350	.5L	170	.8R	270	3859	400
29	.5L	67	360	.3L	180	1.0R	280	2572	380
30	.0R	43	350	1.2L	180	.2R	290	1286	400

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - REFERENCE PHASE III ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - LOC

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.9R	5110	400	1.1R	200	.5R	230		
2	.2R	5110	400	.3R	180	.1R	270		
3	.3R	3406	400	.3R	160	.1R	260		
4	.0R	5110	410	.0R	160	.1L	290		
5	.1R	3406	400	.2R	160	.0R	270		
6	.1R	3406	400	.1R	150	.0R	280		
7	.3R	1442	410	.4R	140	.2R	250		
8	.3R	1442	410	.3R	140	.2R	240		
9	.0R	1197	400	.1R	140	.0R	270		
10	.1R	676	410	.2R	130	.0R	260		
11	.2R	676	400	.1R	120	.1R	250		
12	.1R	432	410	.2R	130	.0R	250		
13	.3R	170	390	.3R	120	.1R	250		
14	.1R	137	410	.1R	120	.0R	250		
15	.1R	154	400	.1R	120	.0R	240		
16	.1R	120	400	.1R	120	.0R	240		
17	.1R	103	400	.1R	100	.0R	240		
18	.1R	86	400	.1R	100	.0R	250		
19	.1R	79	400	.1R	100	.0R	230		
20	.1R	74	400	.1R	90	.0R	240		
21	.1R	55	410	.0R	90	.0R	240		
22	.1R	43	380	.1R	90	.0R	230		
23	.0R	43	410	.0R	70	.0R	220		
24	.1R	38	420	.1R	90	.0R	220		
25	.1L	34	410	.1L	90	.1L	230		
26	.0R	31	420	.0R	90	.0R	230		
27	.1R	26	420	.1R	80	.0R	210		
28	.1R	26	430	.1R	70	.0R	220		
29	.0R	24	410	.0R	70	.0R	220		
30	.1R	22	430	.0R	70	.0R	200		

ADJACENT CHANNEL ANALYSIS
VOR VS LOCALIZER

FLT PURPOSE - TEST PHASE III ALT FLN 2000 FLT DIRECTION - TO DESIRABLE - LOC

DIST	RCVR 1 CP	RCVR 1 UV	RCVR 1 FLAG	RCVR 2 CP	RCVR 2 FLAG	RCVR 3 CP	RCVR 3 FLAG	RCVR 4 UV	RCVR 4 FLAG
1	.7R	5110	410	1.2R	170	.2R	230	104	200
2	.1L	5110	390	.1L	180	.1L	320	104	210
3	.0R	5110	390	.1R	160	.0R	290	104	240
4	.1R	5110	400	.1R	150	.0R	270	154	240
5	.1L	5110	410	.0R	160	.1L	300	154	260
6	.2R	3406	420	.2R	160	.1R	270	154	270
7	.2R	1703	400	.3R	140	.1R	250	204	270
8	.2R	1442	400	.2R	140	.1R	240	204	280
9	.3R	938	400	.3R	140	.1R	260	258	290
10	.1R	938	410	.2R	130	.0R	260	308	290
11	.1R	432	410	.1R	140	.0R	260	412	290
12	.1R	432	410	.2R	120	.1R	250	462	290
13	.0R	170	400	.1R	130	.0R	250	566	300
14	.0R	137	410	.0R	110	.0R	220	720	300
15	.1R	120	400	.0R	90	.0R	180	874	310
16	.0R	120	410	.0R	110	.0R	150	1182	300
17	.2R	86	410	.2R	110	.0R	40	1957	310
18	.1R	86	380	.1R	100	.0R	10	2264	300
19	.1R	79	400	.1R	90	.0R	0	3859	300
20	.0R	62	400	.1R	80	.0R	0	4529	310
21	.0R	67	410	.1L	60	.0R	0	16721	300
22	.0R	55	420	.1L	60	.0R	0	3243	300
23	.0R	43	350	.1R	20	.0R	0	39873	290
24	.1L	38	360	.0R	0	.0R	0	39873	320
25	.1R	38	330	.0R	220	.0R	0	39873	310
26	.0R	34	360	.0R	10	.0R	0	28297	320
27	.1L	26	390	.0R	20	.0R	0	16721	320
28	.0R	24	400	.0R	30	.0R	0	4529	310
29	.1R	22	430	.0R	20	.0R	0	3859	320
30	.0R	22	410	.0R	50	.0R	0	3243	310

END OF SUPPLEMENTAL DATA

SPECIAL VOR/LOC INTERFERENCE TEST REPORT
Cessna 172, N-1307F

Flight was conducted in a Cessna 172 airplane equipped with a General Aviation Nav/Comm radio system. The radio did not provide localizer guidance information, however, the localizer audio ident was available. The facilities were located and maintained as described in Phases II and III.

The first run was made from five miles north of the VOR site inbound on a track over the VOR directly to the LOC at 2000 feet AGL. The aircraft receiver was tuned to the LOC (110.5 MHz). No interference was noted in the vicinity of the VOR. Interference if noted would have been in the form of VOR ident on the LOC audio or LOC audio distortion.

The second run was made (with the aircraft receiver tuned to the VOR) from ten miles north of the LOC transmitter flying south FROM the VOR (110.6 MHz) to directly over the LOC transmitter at 2000 feet AGL. Interference was first received directly over the LOC site and continued for approximately three miles after passing the LOC. The VOR crosspointer was not affected.

The third run was made (with the aircraft receiver tuned to the VOR) from five miles south of the LOC at 1000 feet AGL while flying north TO the VOR (110.6 MHz). The first indication of interference to the VOR signal was a momentary flag when directly over the LOC site and then the LOC audio and code was superimposed on the VOR ident for approximately three miles past the LOC. The VOR crosspointer was not affected.

The forth run was from 10 miles south of the VOR flying outbound on the LOC (110.5 MHz) at 1000 feet AGL. The first indication of audio interference on the LOC ident from the VOR occurred three miles south of the VOR and continued to a point approximately four miles north of the VOR.

From the foregoing, it appears that the nav system when tuned to the VOR is susceptible to LOC audio interference only when the aircraft is over the undesired LOC or flying away from it within approximately 3 miles. Interference to the LOC occurs on both sides of the VOR facility within approximately 4 miles.

12. ACKNOWLEDGEMENT. The contributions of the following personnel are sincerely appreciated:

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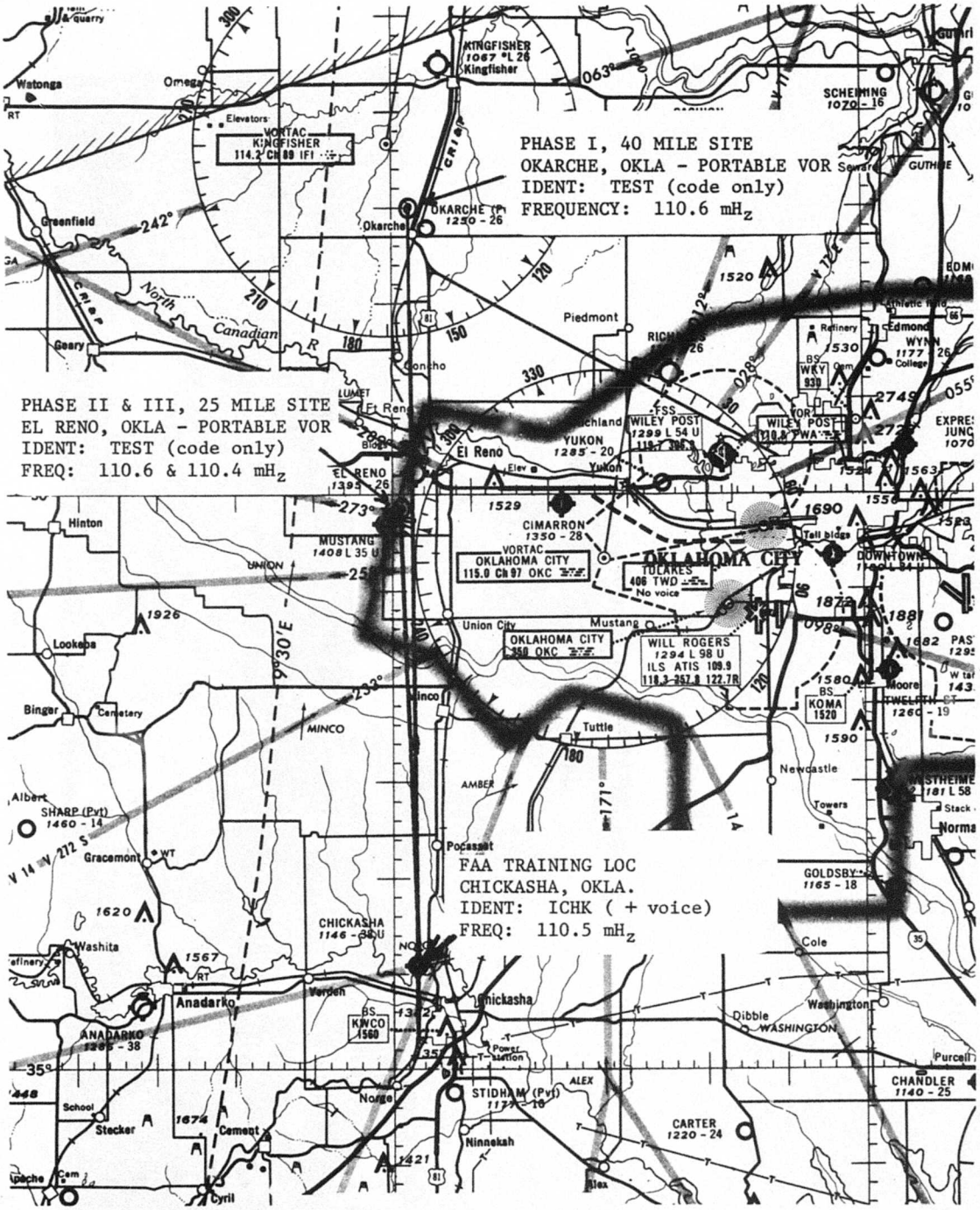
Mr. H. C. Blalock	Electronic Technician (LOC)	FAA Depot, AAC-442
Mr. A. J. Dolezal	Electronic Technician (VOR)	FAA Depot, AAC-442
Mr. T. S. Mulanax	Electronic Technician (LOC)	FAA Depot, AAC-442
Mr. H. B. Stinson	Electronic Technician (VOR	FAA Depot, AAC-442
Mr. R. Childers	Electronic Technician (Airborne)	ASB, AAC-825
Mr. R. R. Howell	Electronic Tech. (Line Maint.)	ASB, AAC-832
Mr. E. L. Prater	Electronic Tech. (Line Maint.)	ASB, AAC-832
Mr. P. G. Taylor	Electronic Engr. (Avionic)	ASB, AAC-845
Mr. L. Buntz	Project Chief Pilot	FAA Academy, AAC-954
Mr. J. H. Slattery	Academy Project Officer	FAA Academy, AAC-954
Mr. E. W. Hunt	Data Evaluation Specialist	N.F.I.D., AFS-632
Mr. E. L. Kerbo	Data Evaluation Specialist	N.F.I.D., AFS-632
Mr. A. L. Lovelace	Chief, Jet Section	N.F.I.D., AFS-632
Mr. J. D. Morris	NFID Project Officer	N.F.I.D., AFS-630

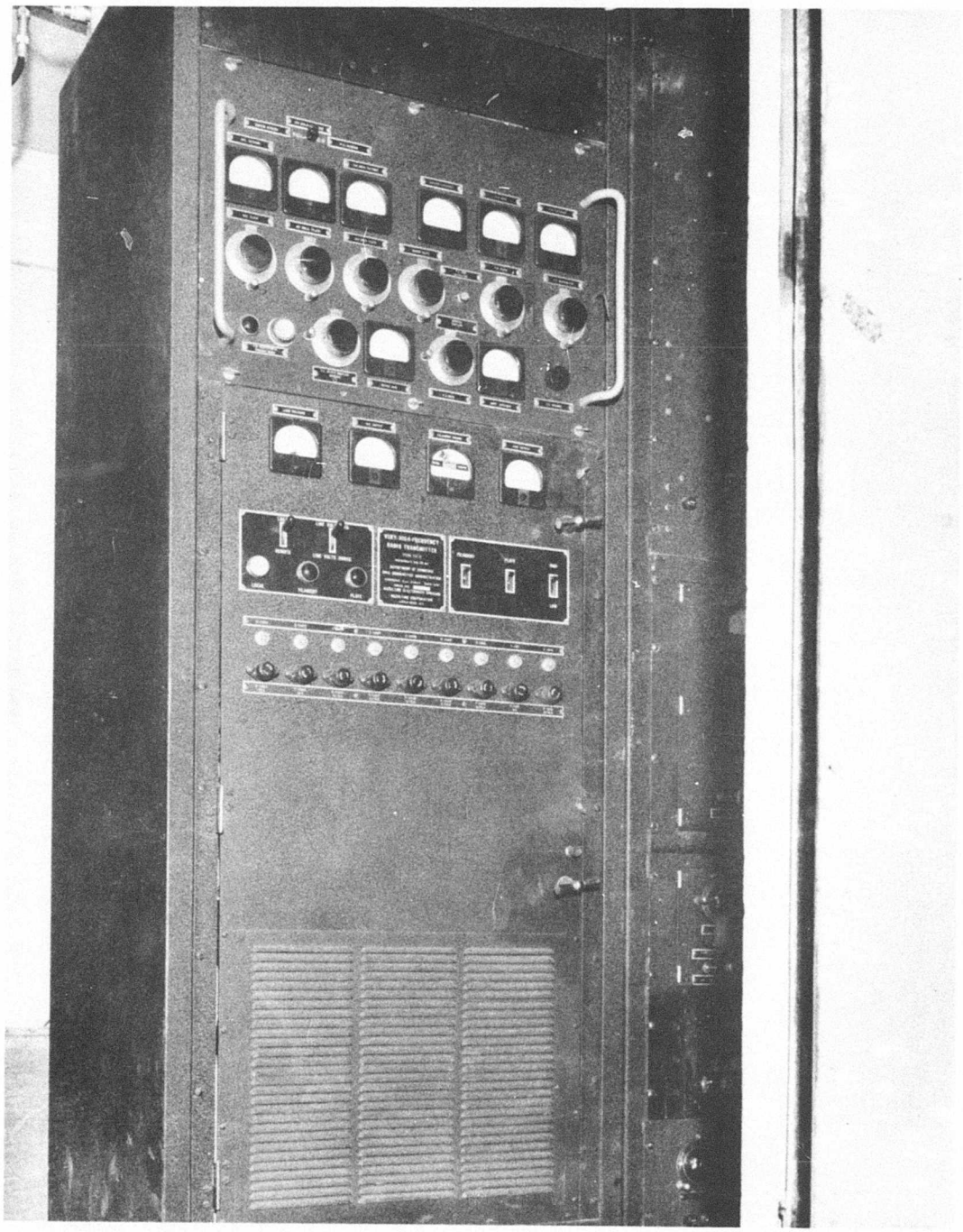


APPENDIX - Figure A-1

Map of Site Locations

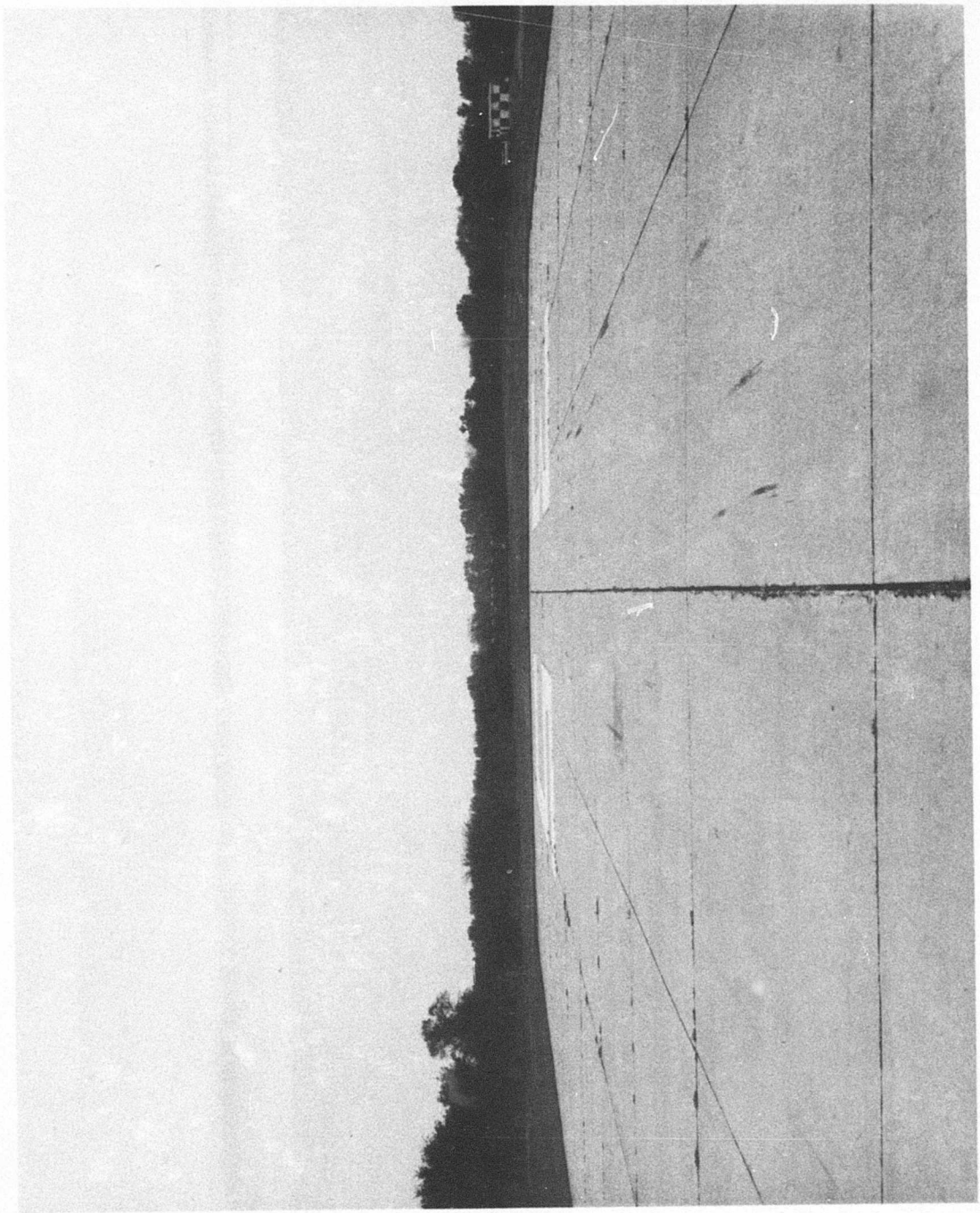
Appendix A

APPENDIX - Figure A-2
Portable VOR Facility



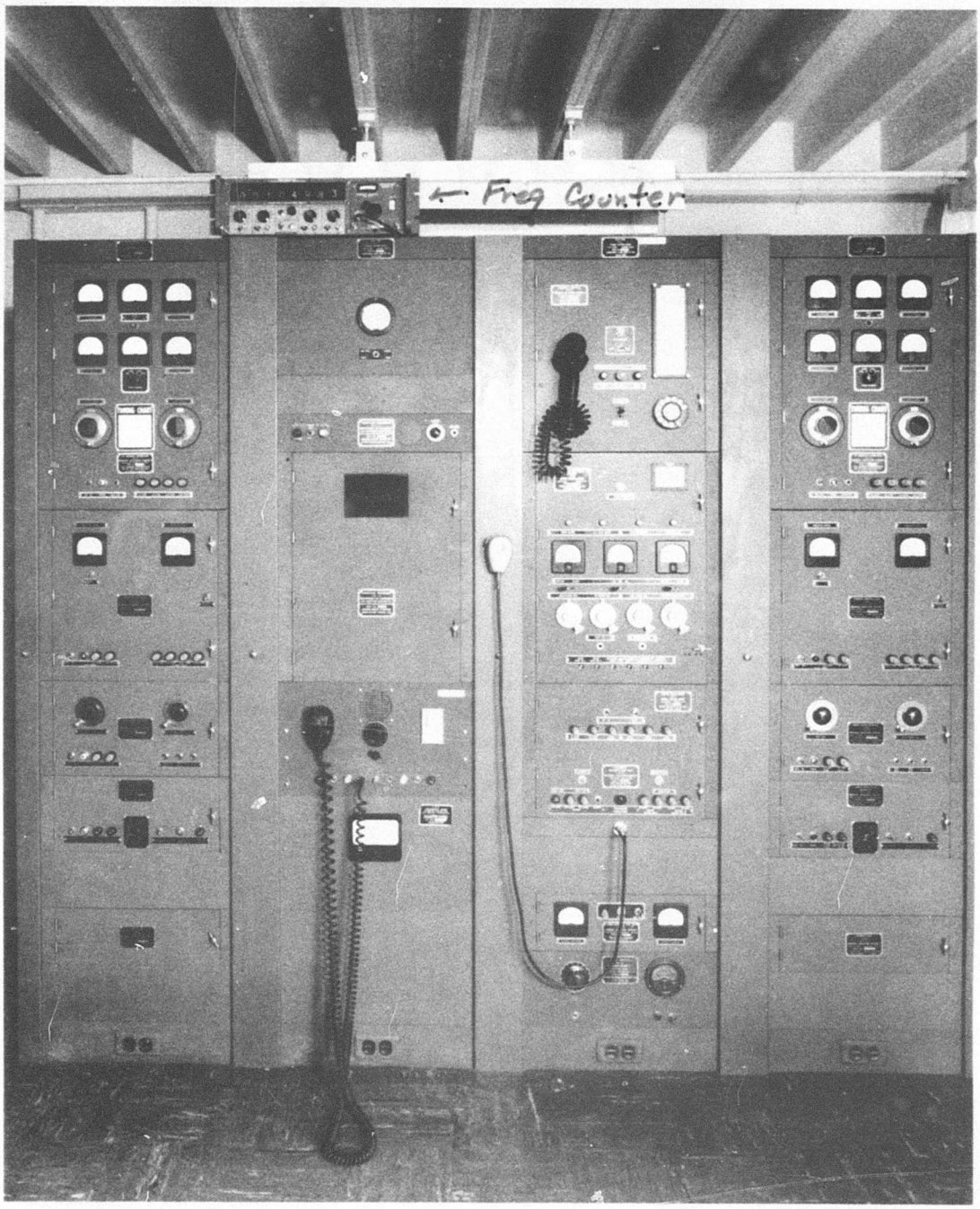
APPENDIX - Figure A-3
Portable VOR Transmitting Equipment

Appendix A

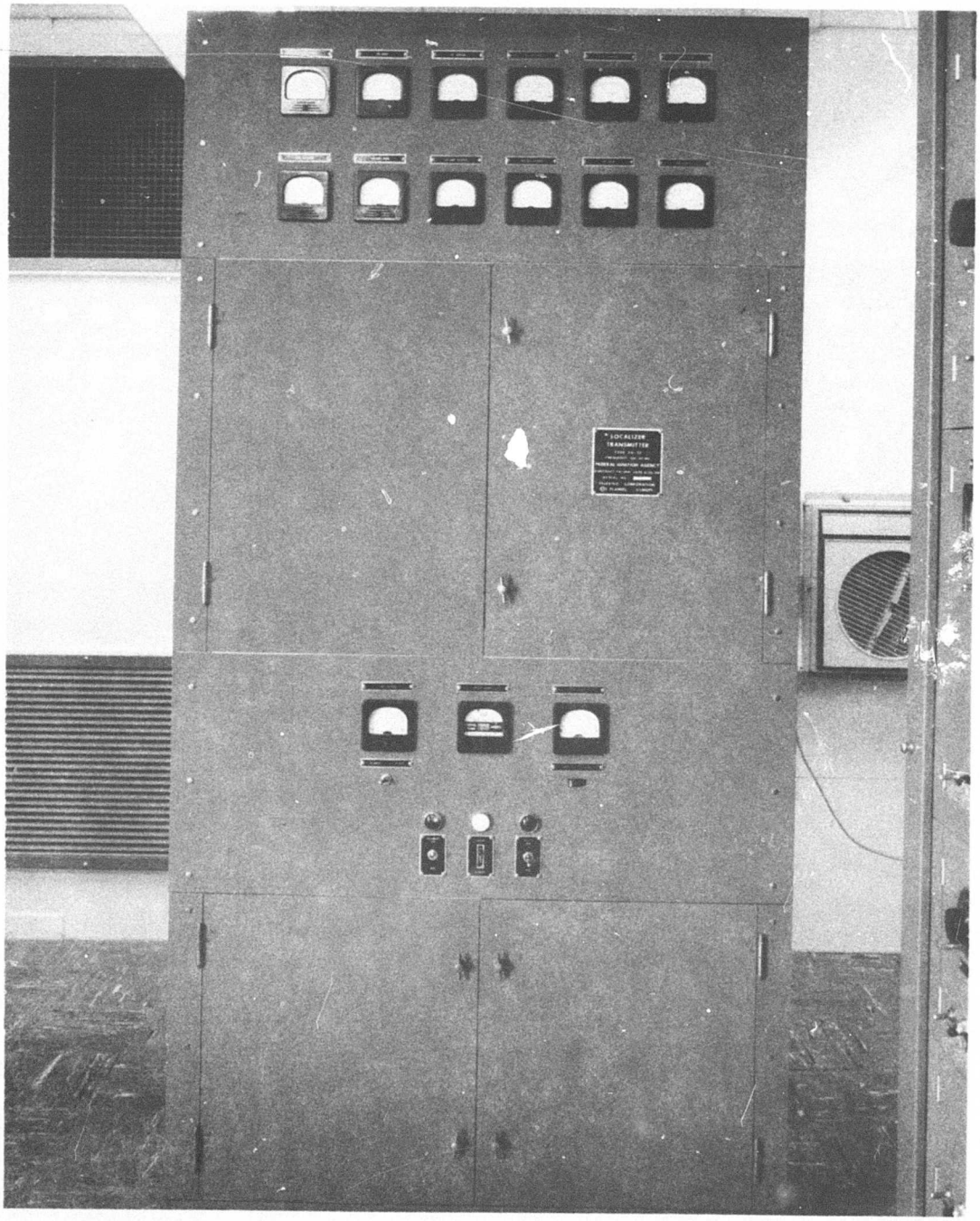


APPENDIX - Figure A-4
Chickasha, Oklahoma ILS Facility

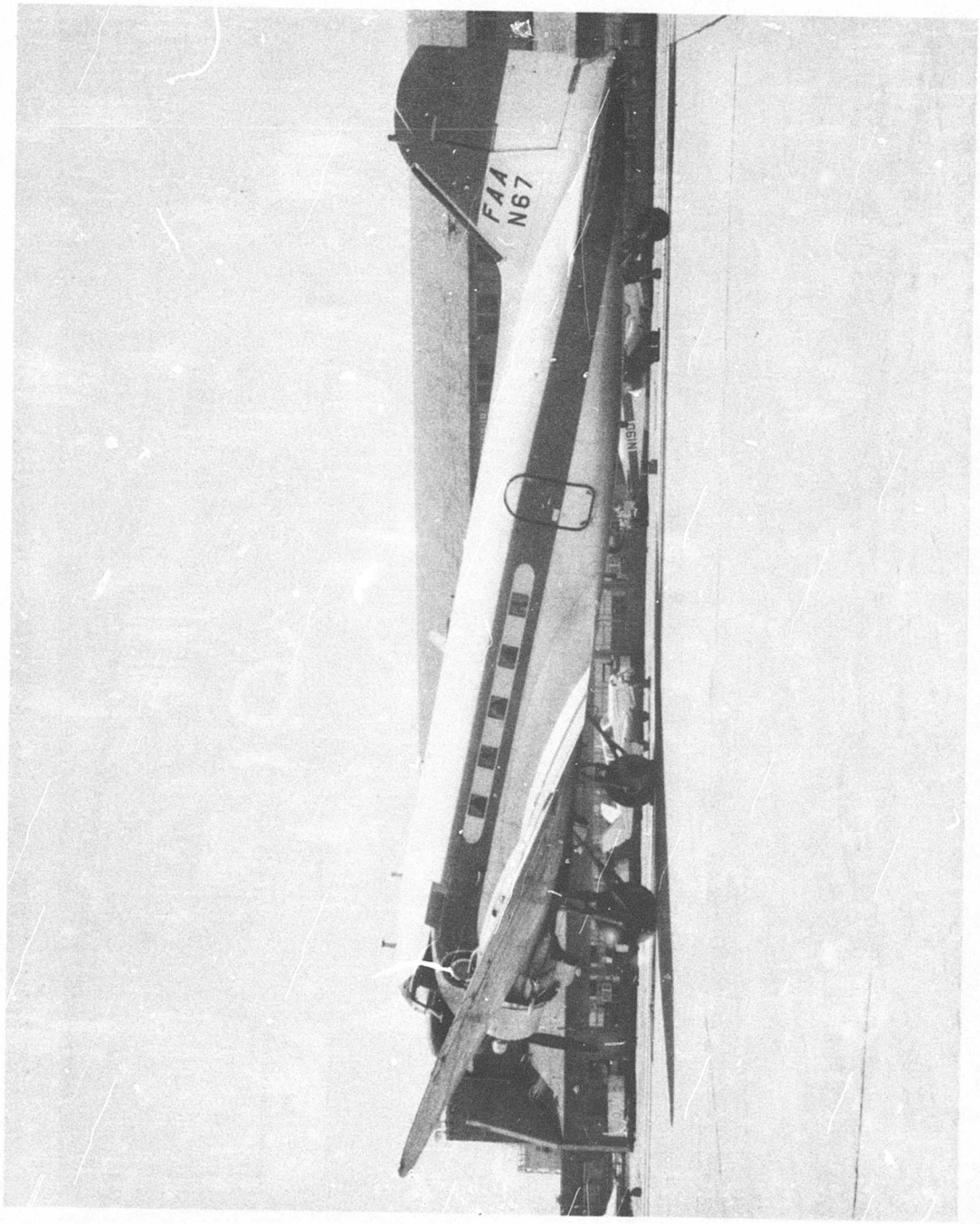
Appendix A



APPENDIX - Figure A-5
Chickasha, Oklahoma ILS Equipment Room



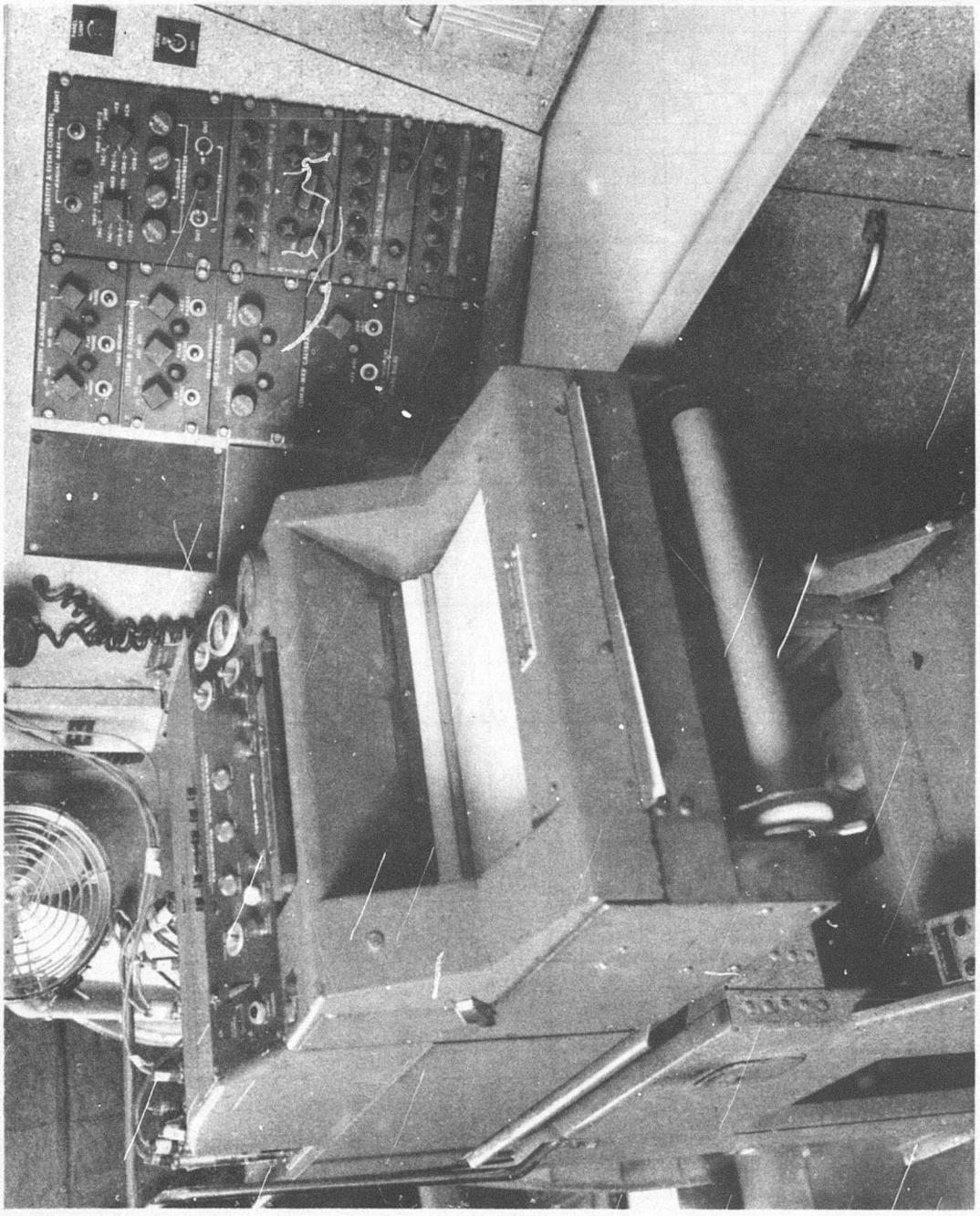
APPENDIX - Figure A-6
Chickasha, Oklahoma ILS Transmitting Equipment



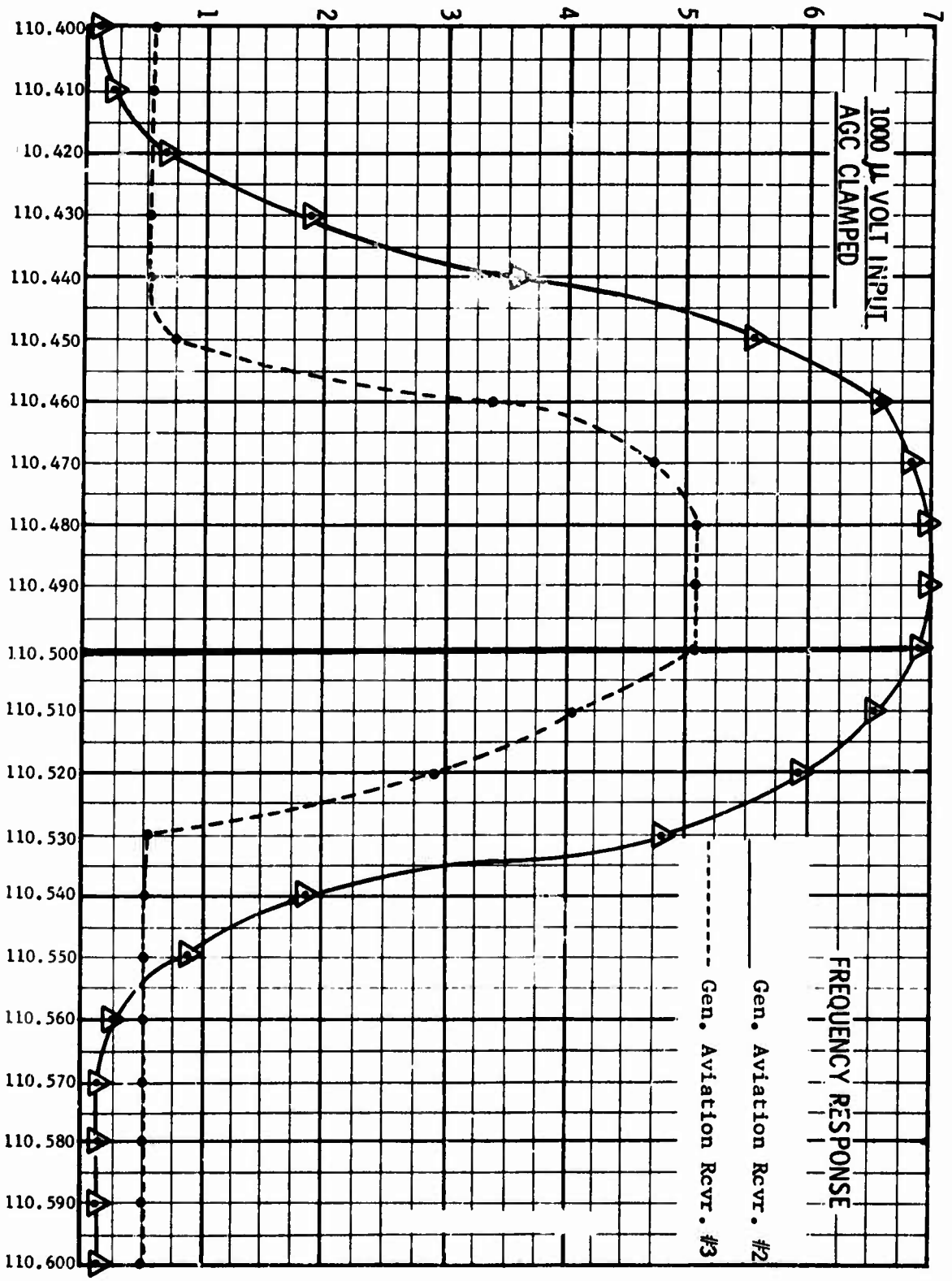
APPENDIX - Figure A-7
FAA Flight Inspection Aircraft N-67

APPENDIX - Figure A-8
Flight Inspection Console Panel

Appendix A

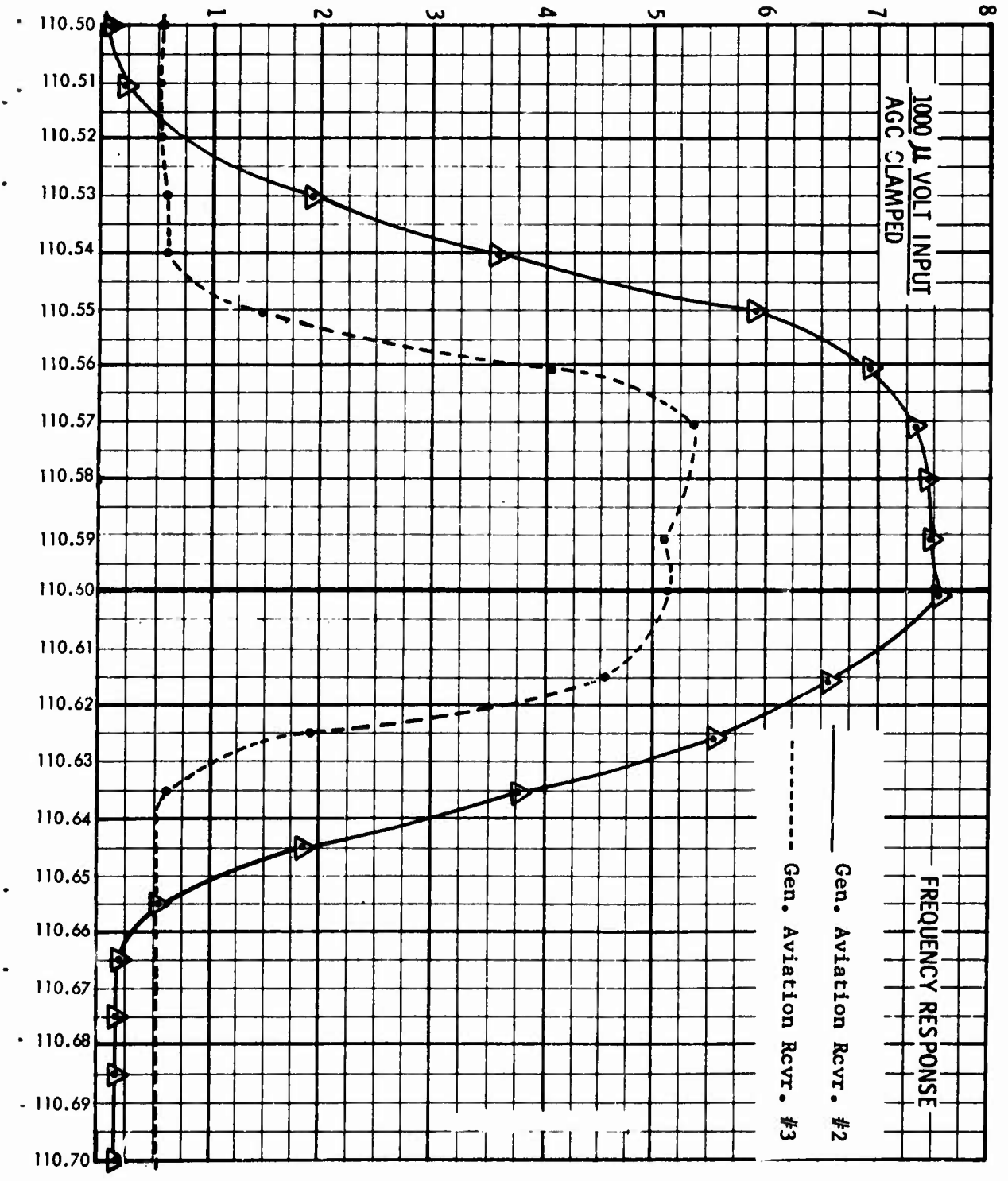


Appendix 10



General Aviation Receiver Frequency Response Curves for 110.5 MHz

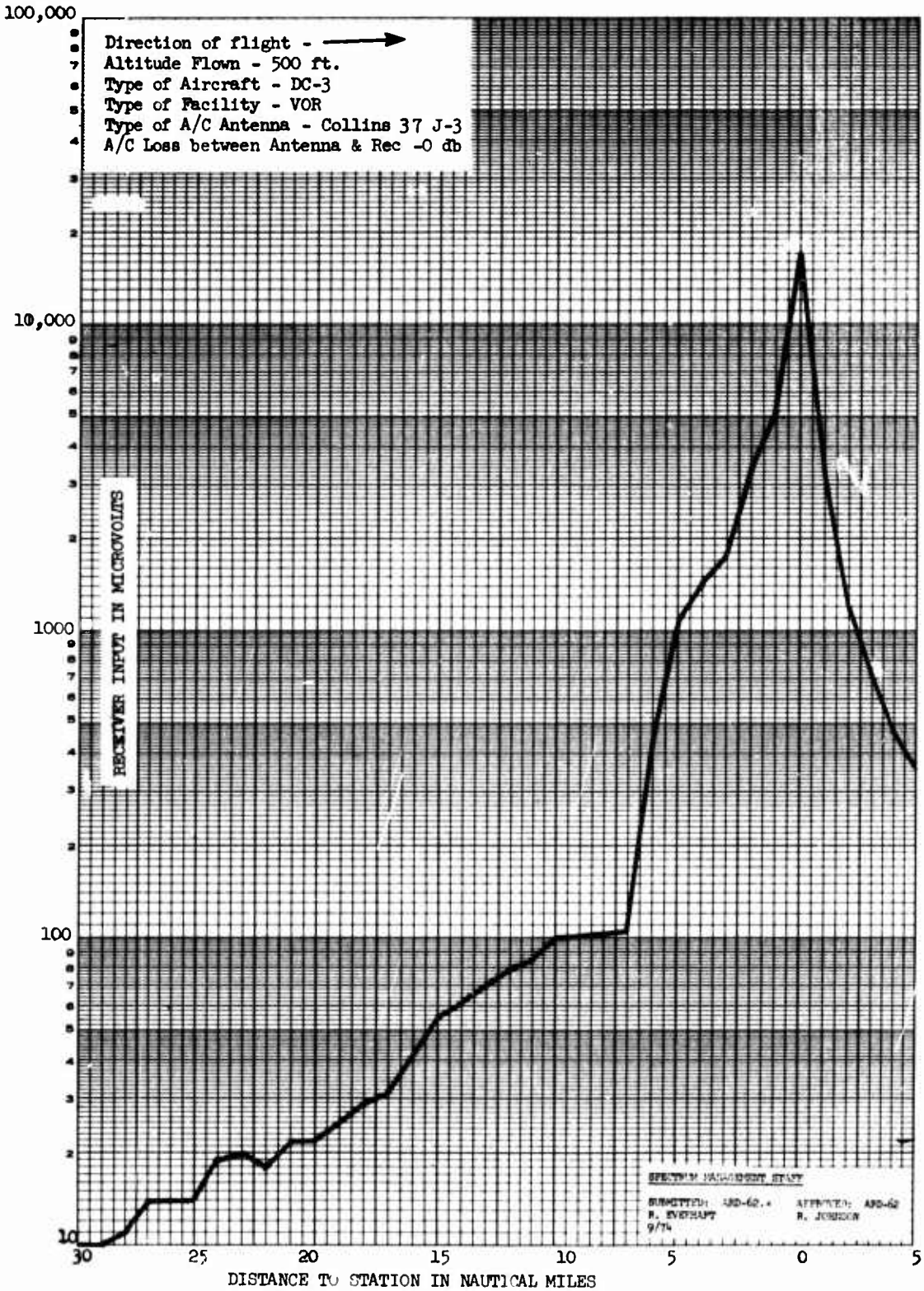
Appendix 11



General Aviation Receiver Frequency Response Curves for 110.6 MHz

Appendix B

VOR FIELD STRENGTH CURVES



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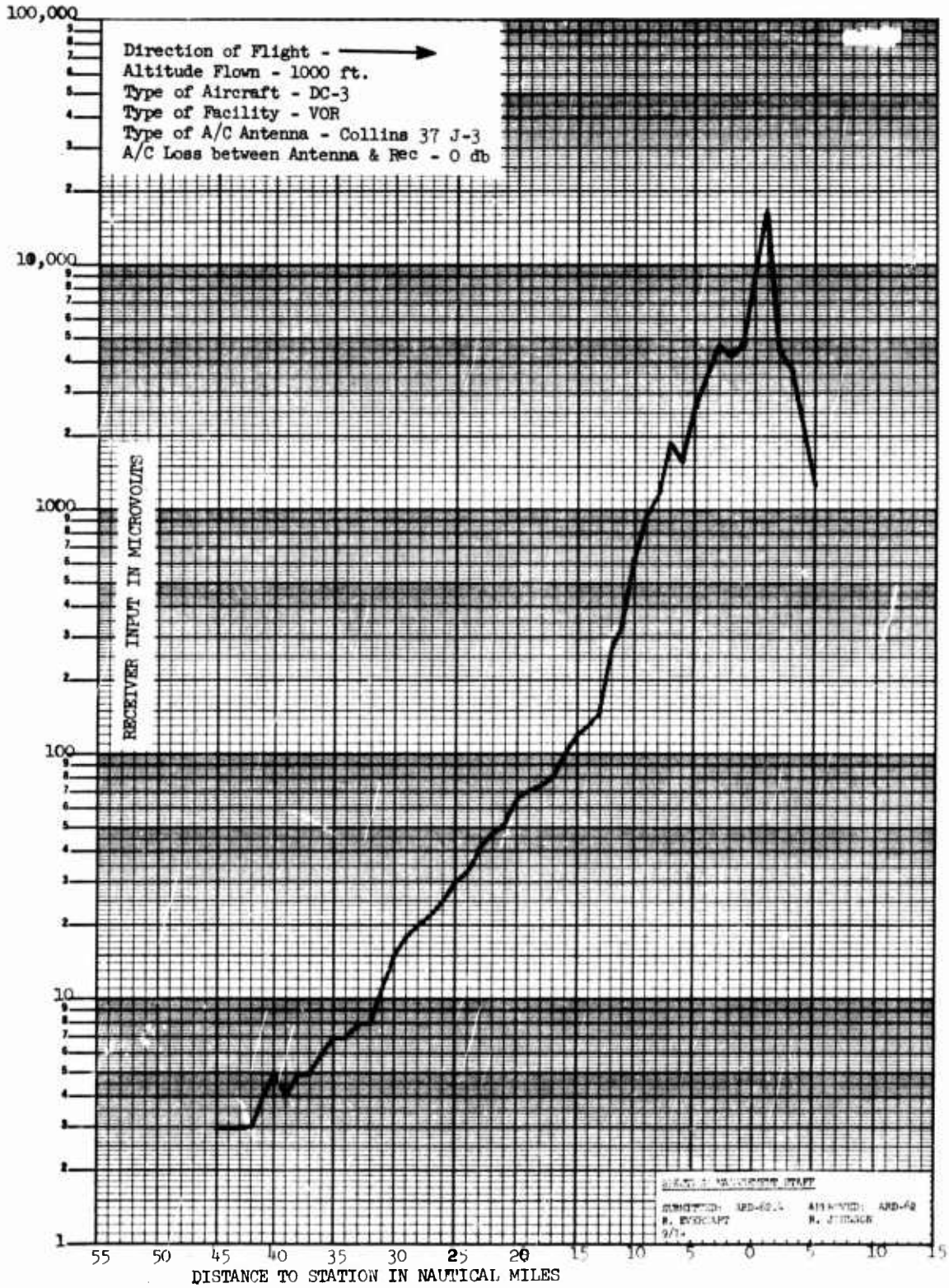
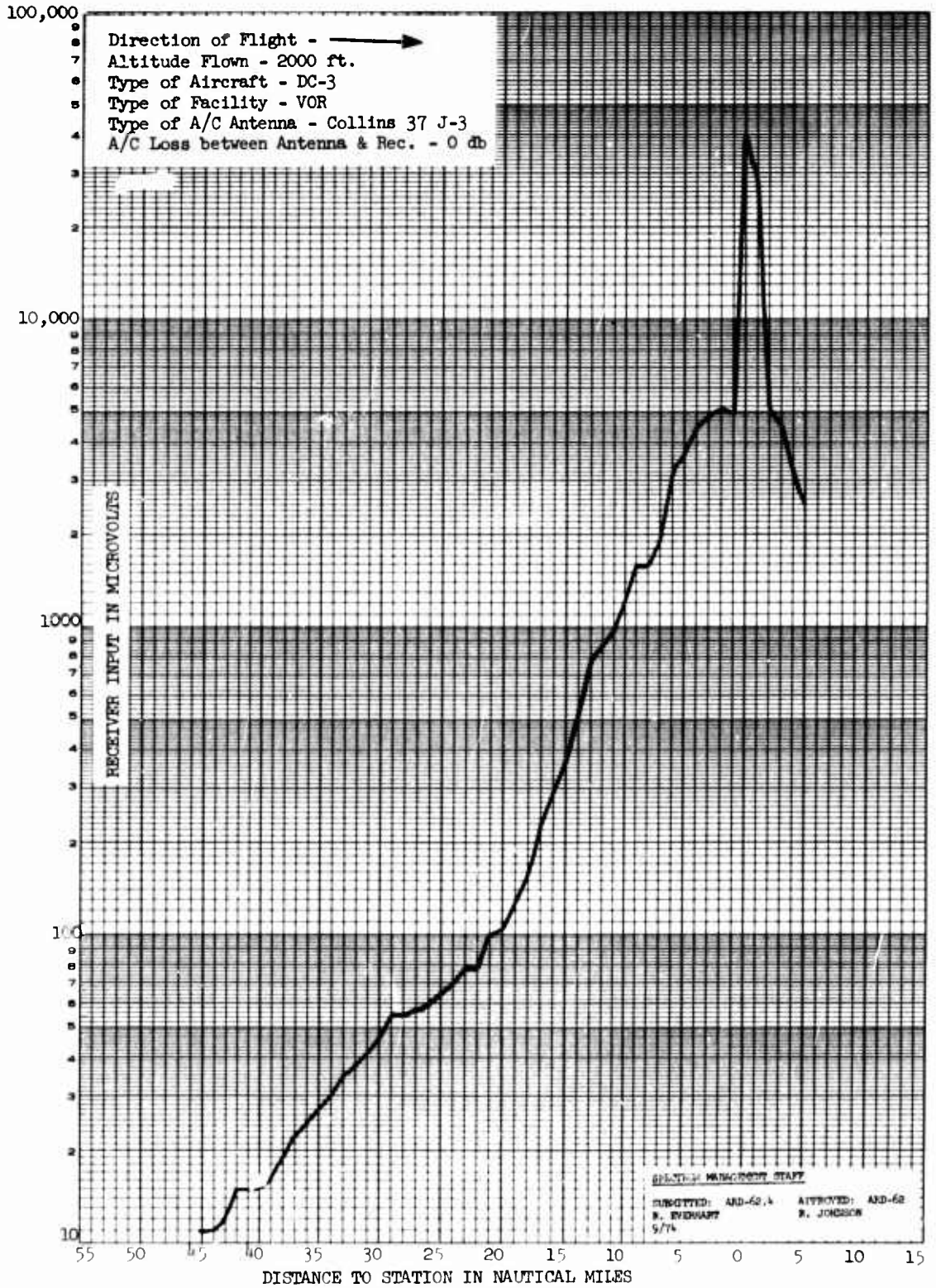
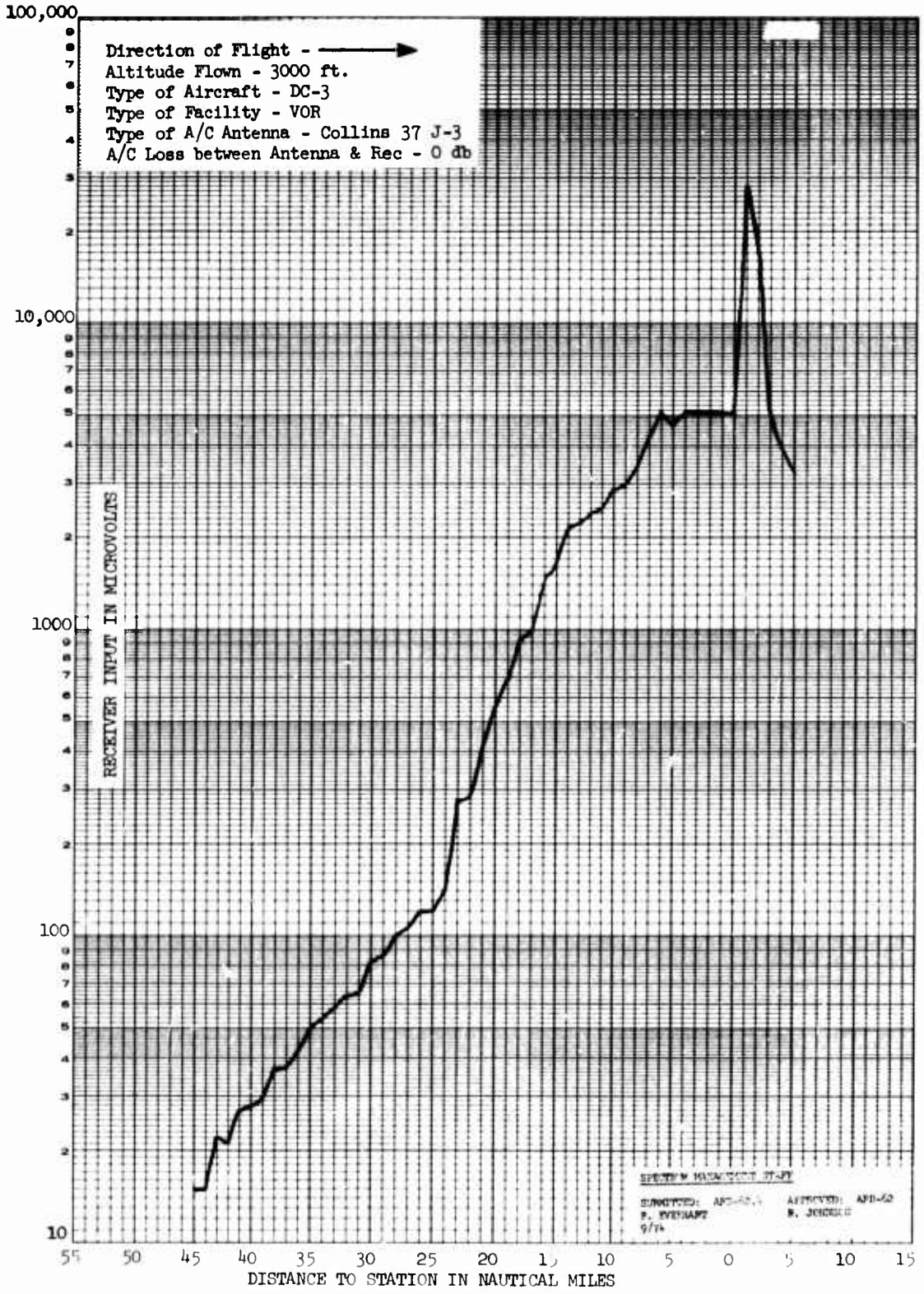


Altitude Flown - 1000 ft.

Appendix B

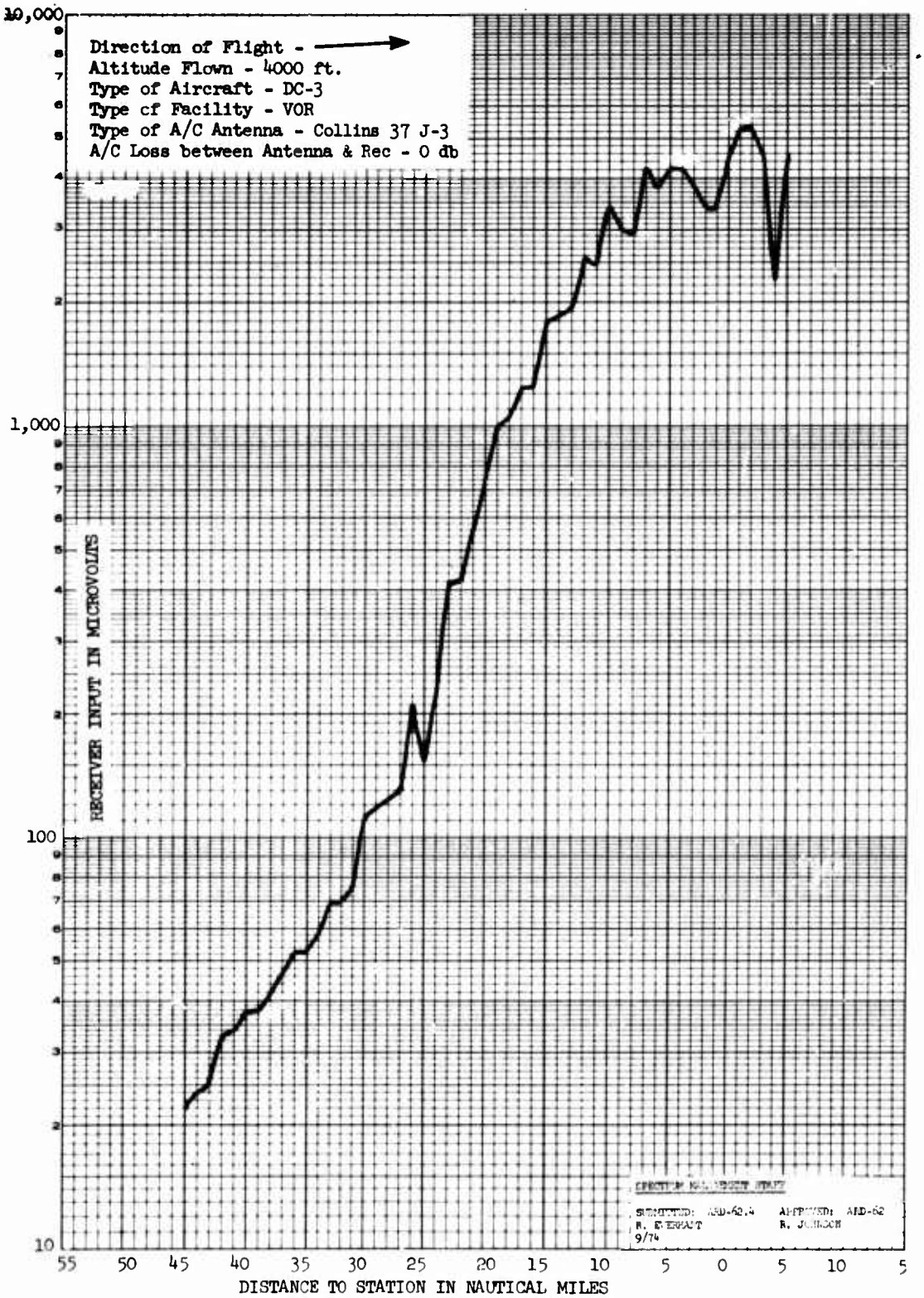


Altitude Flown - 2000 ft.



Altitude Flown - 3000 ft.

Appendix B



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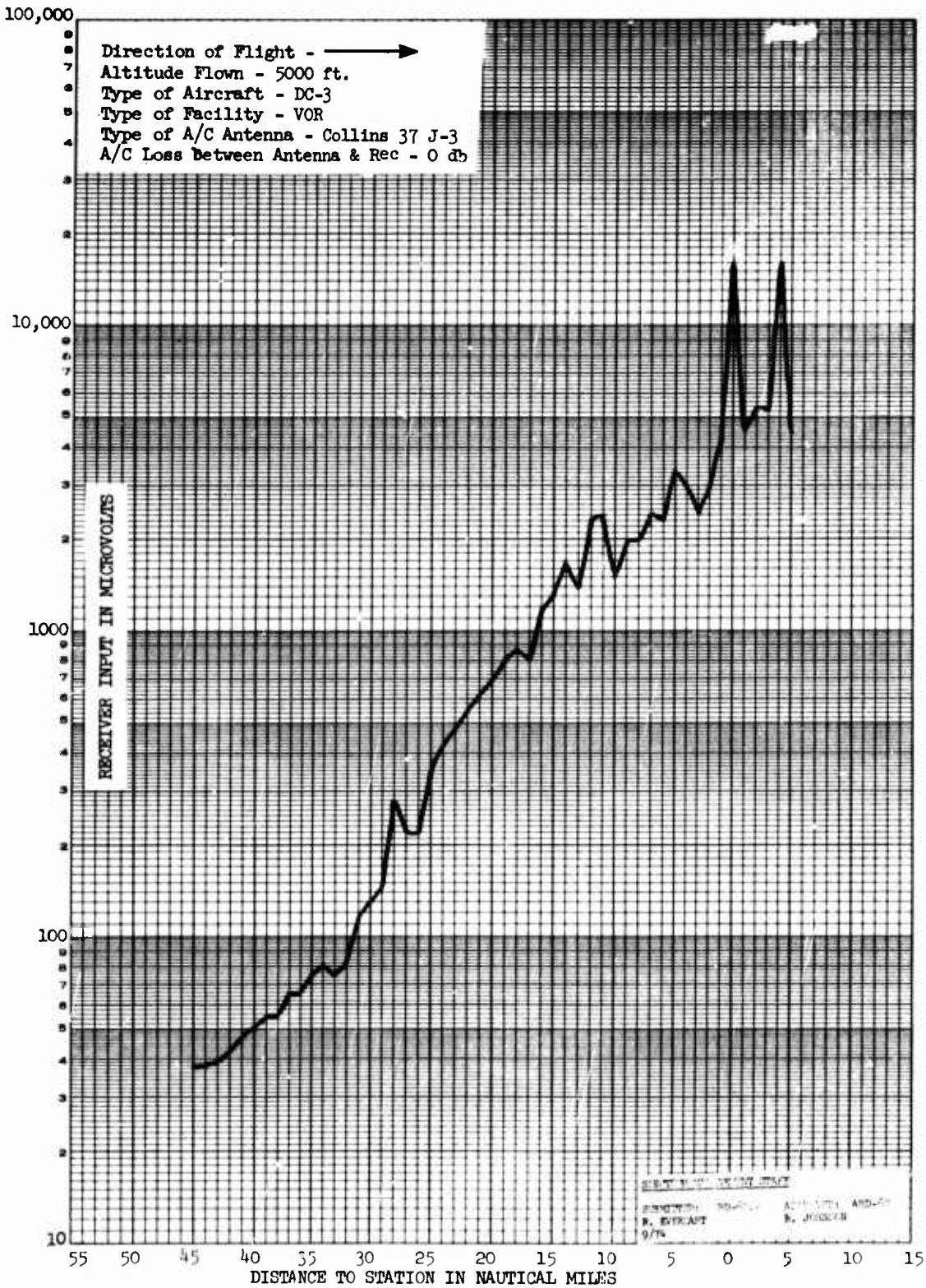

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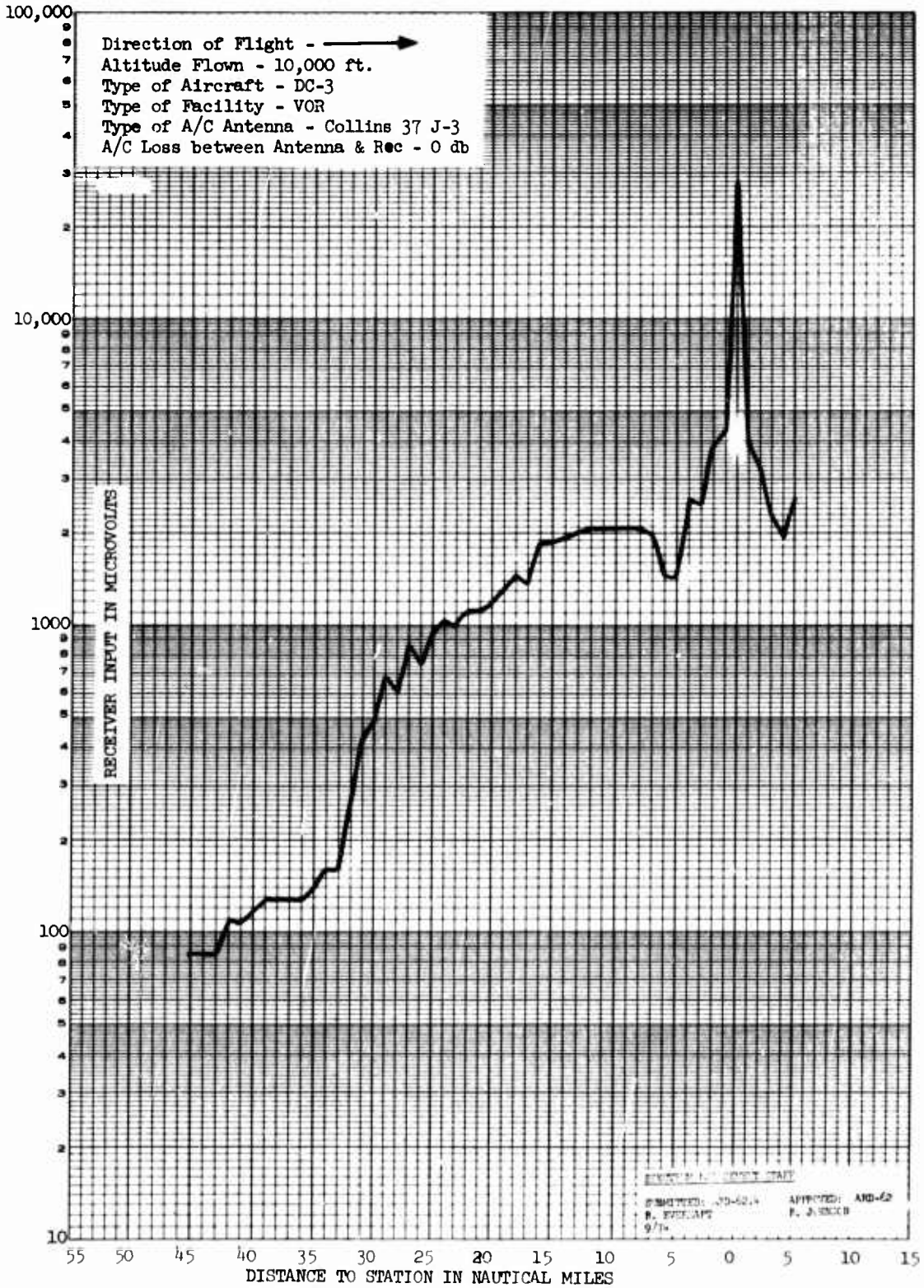

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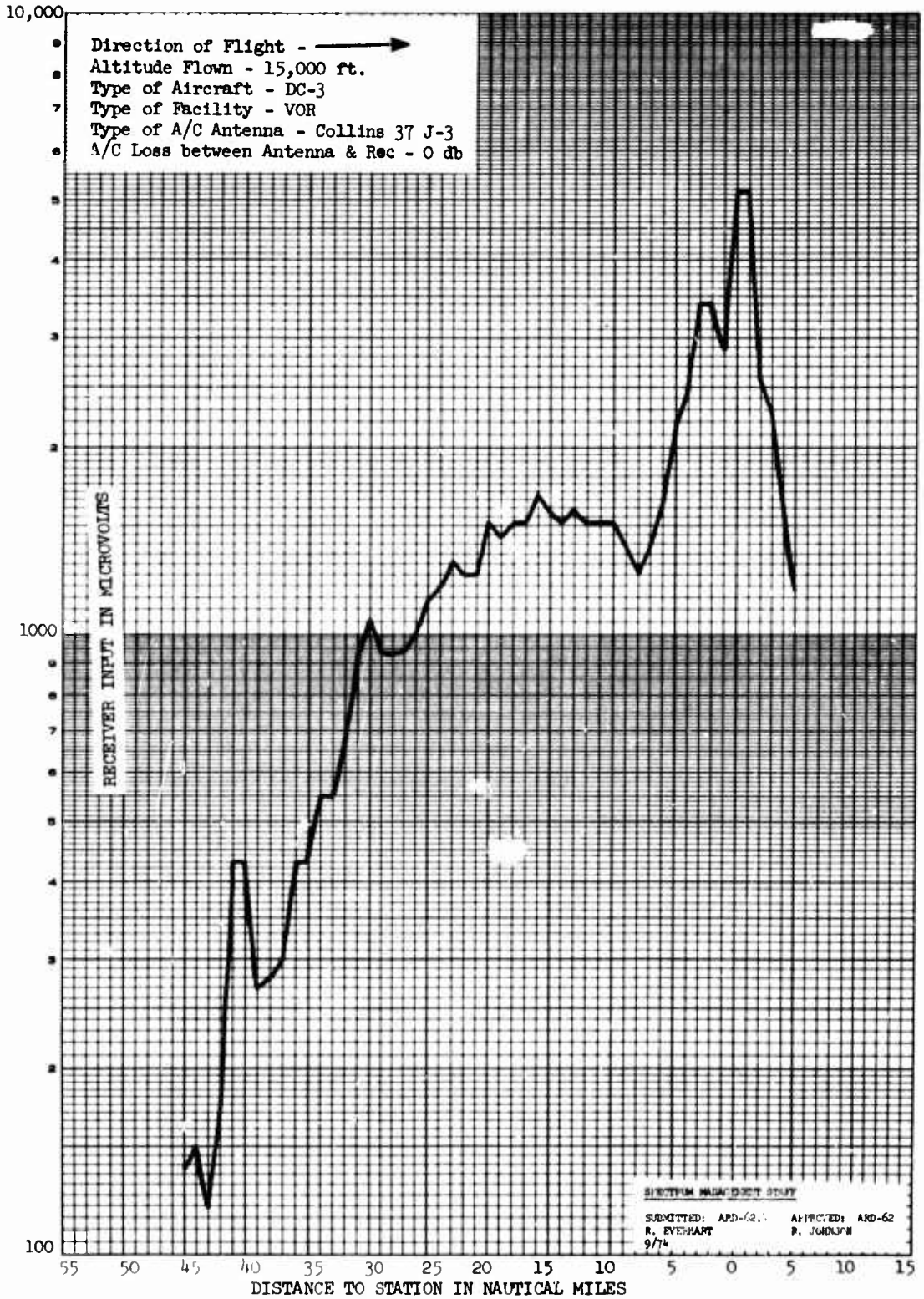
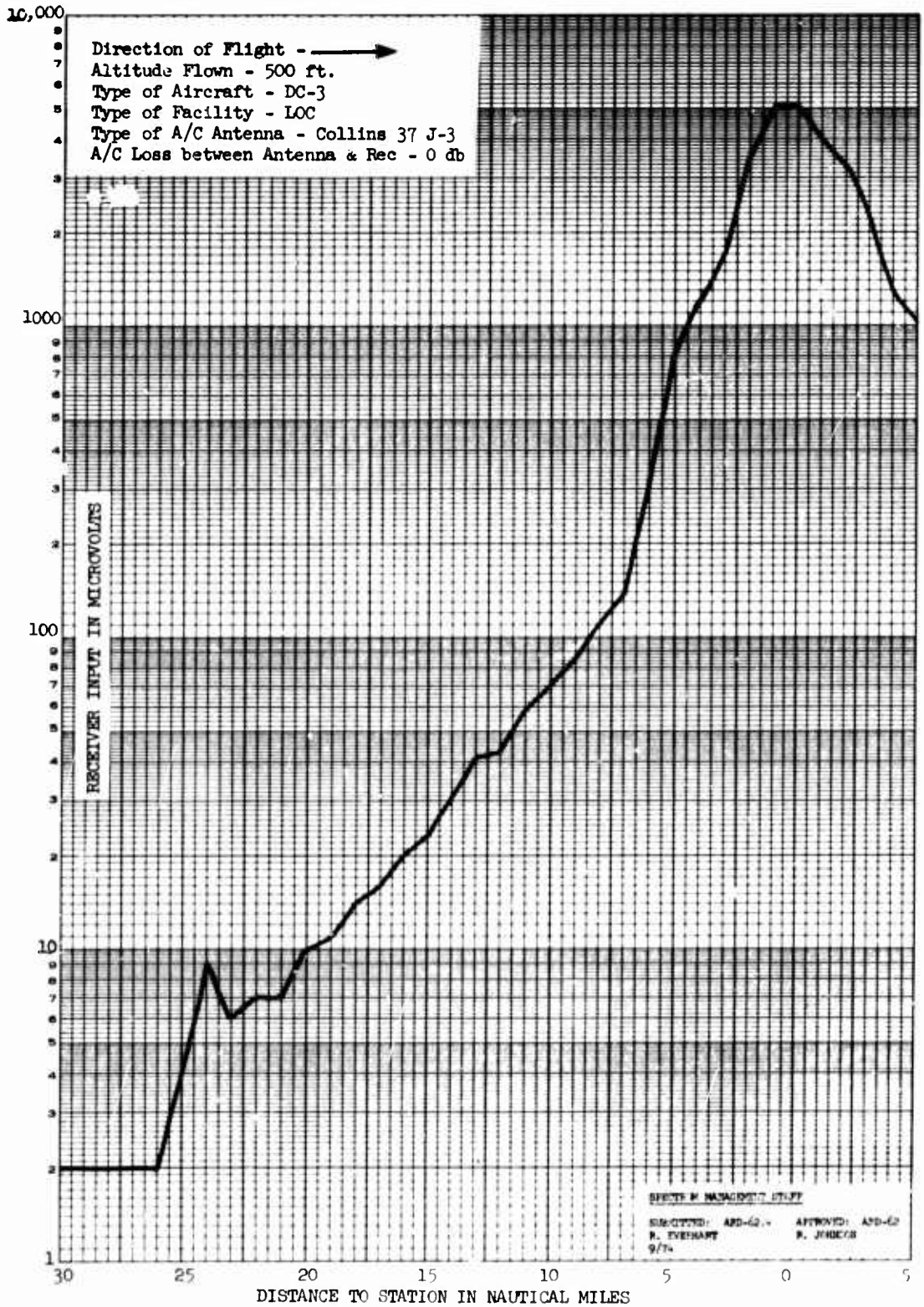


Altitude Flown - 15,000 ft.

Appendix C

LOCALIZER FIELD STRENGTH CURVES



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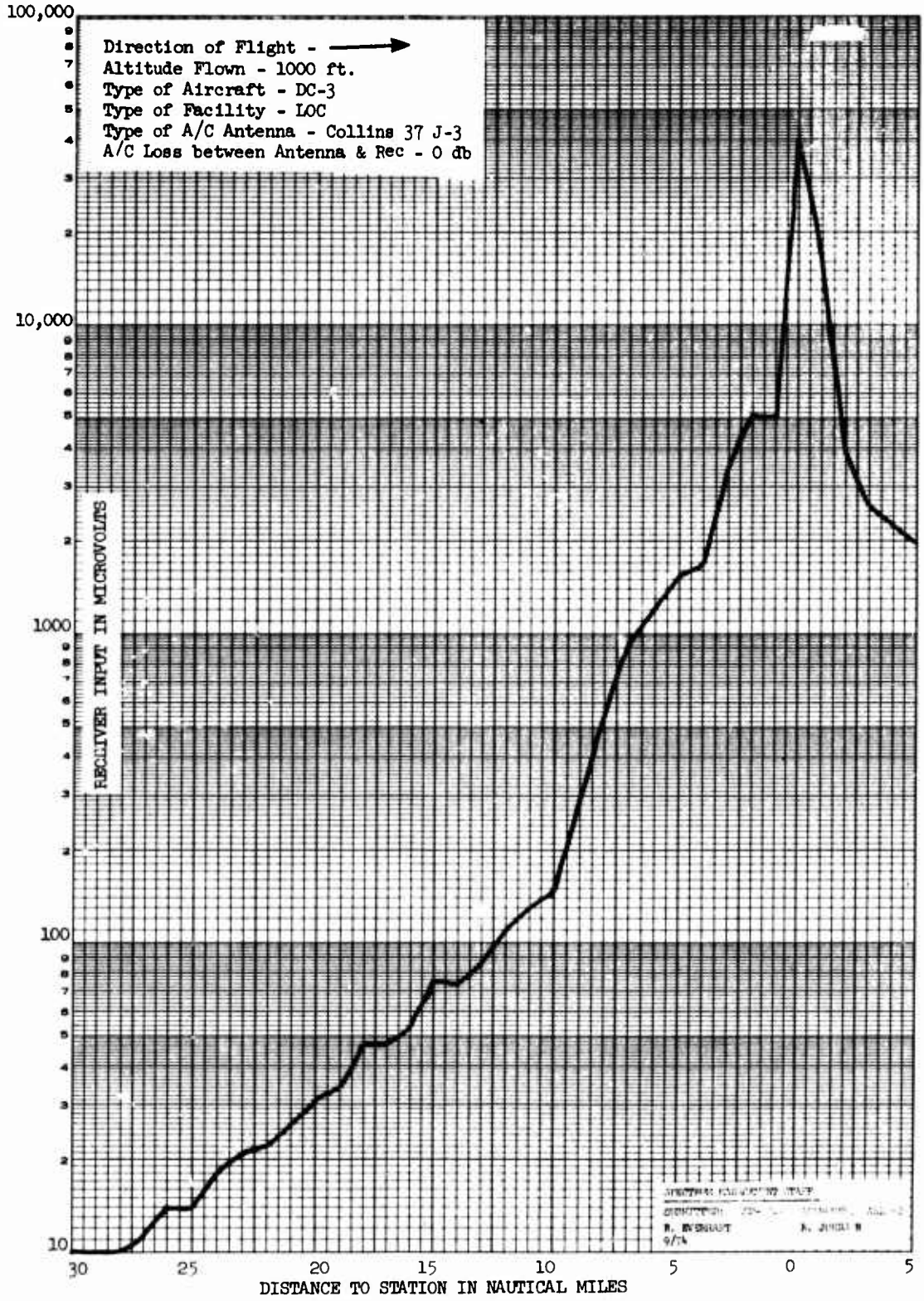

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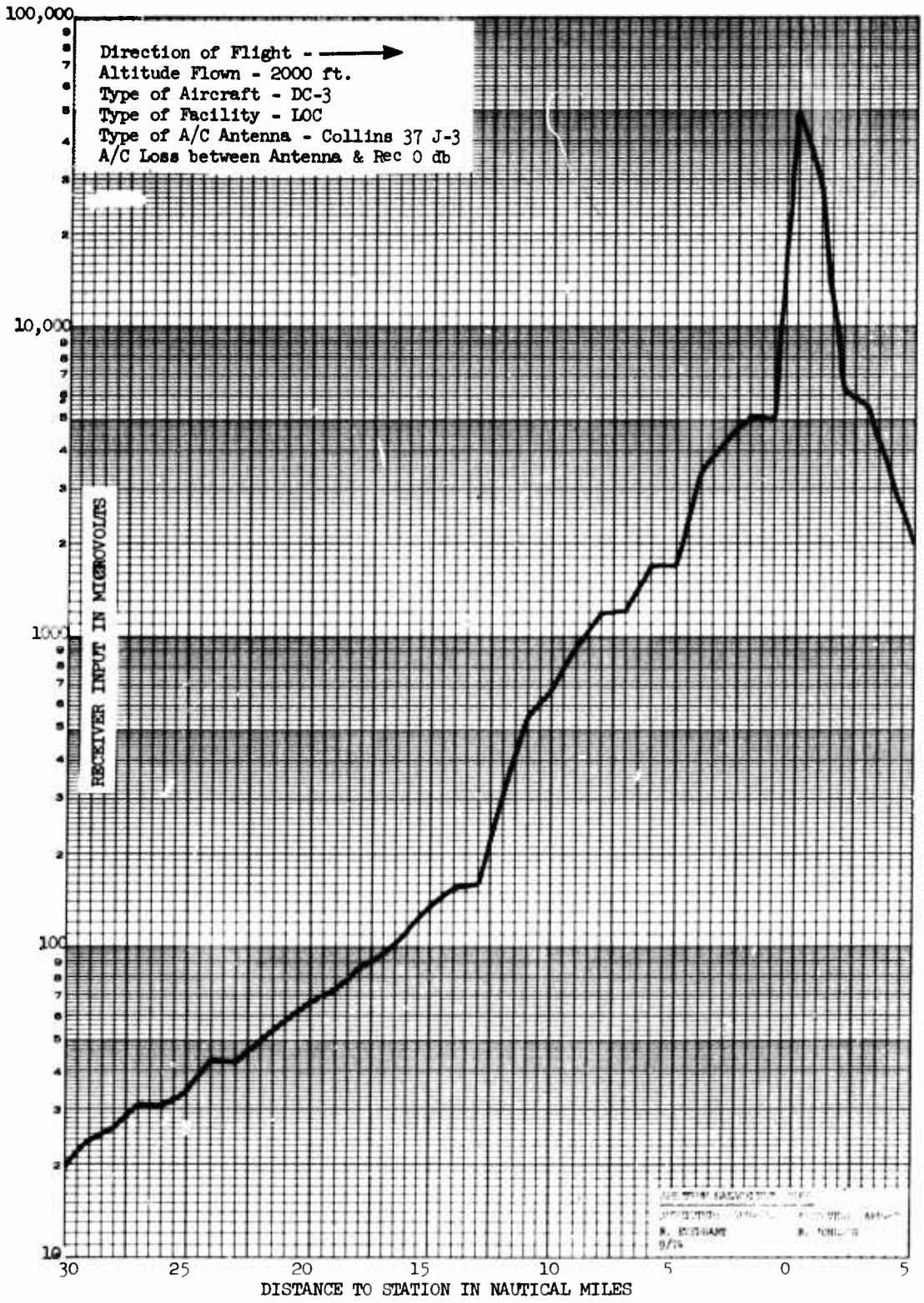

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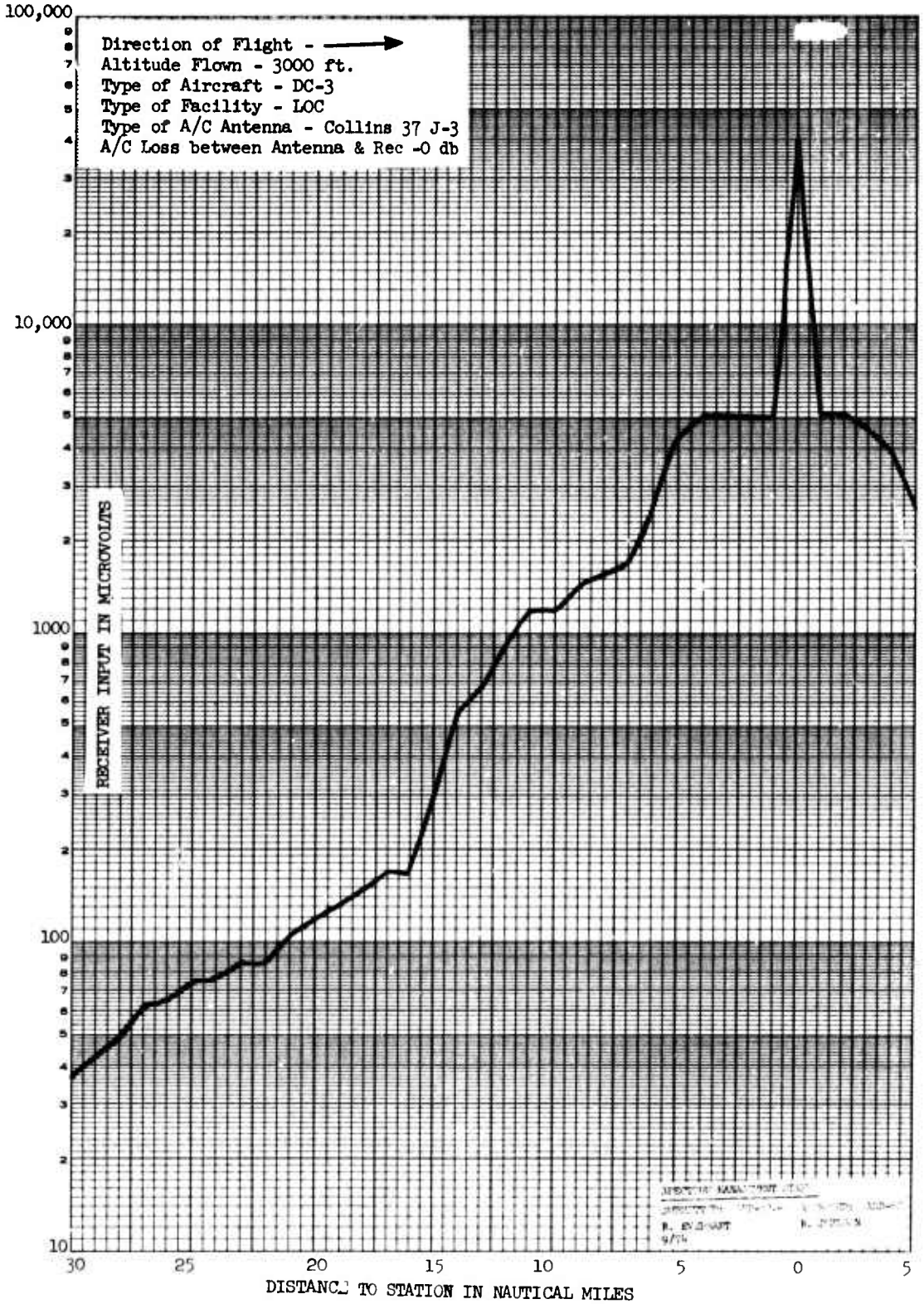
Appendix C



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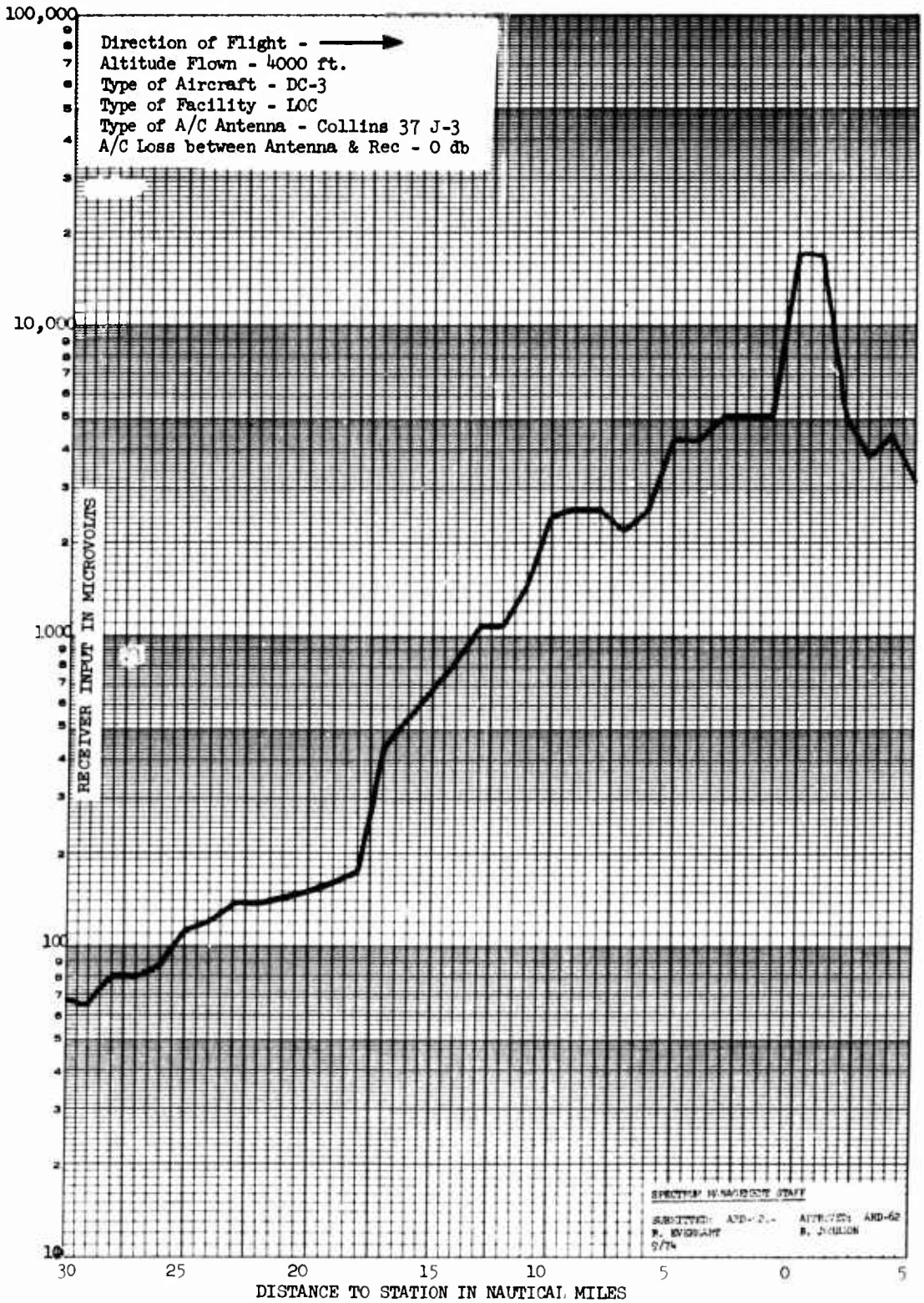

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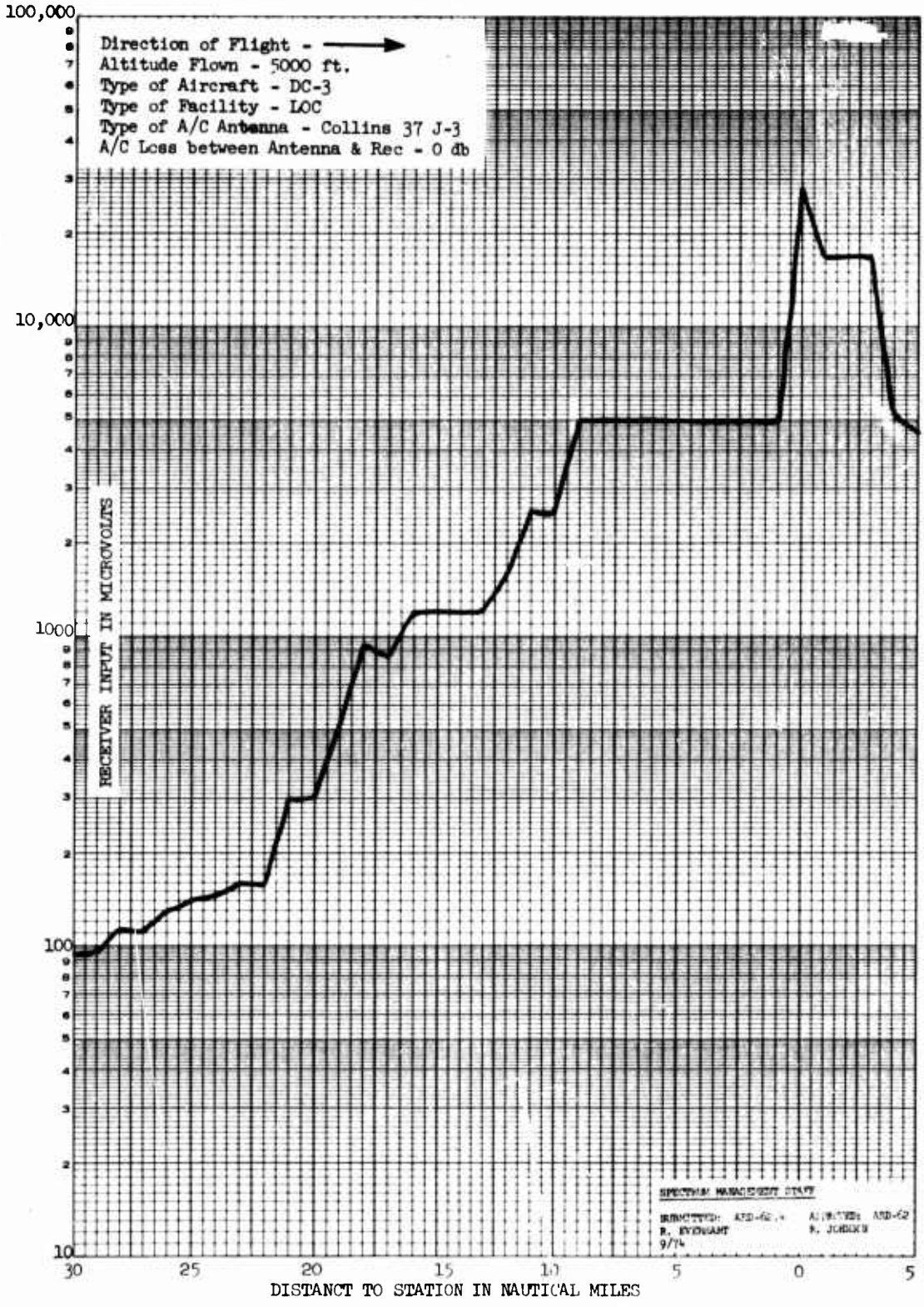

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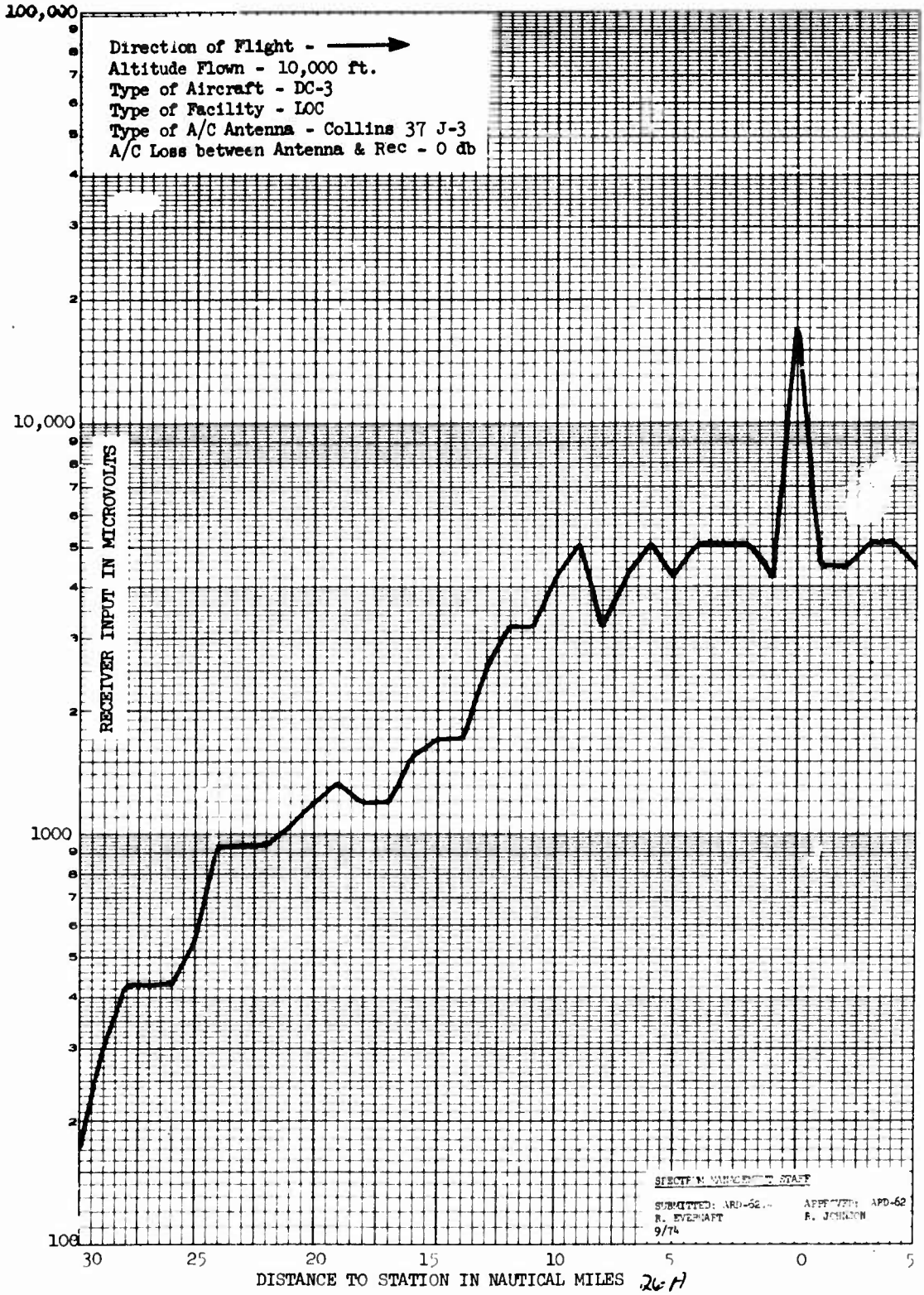
Appendix C



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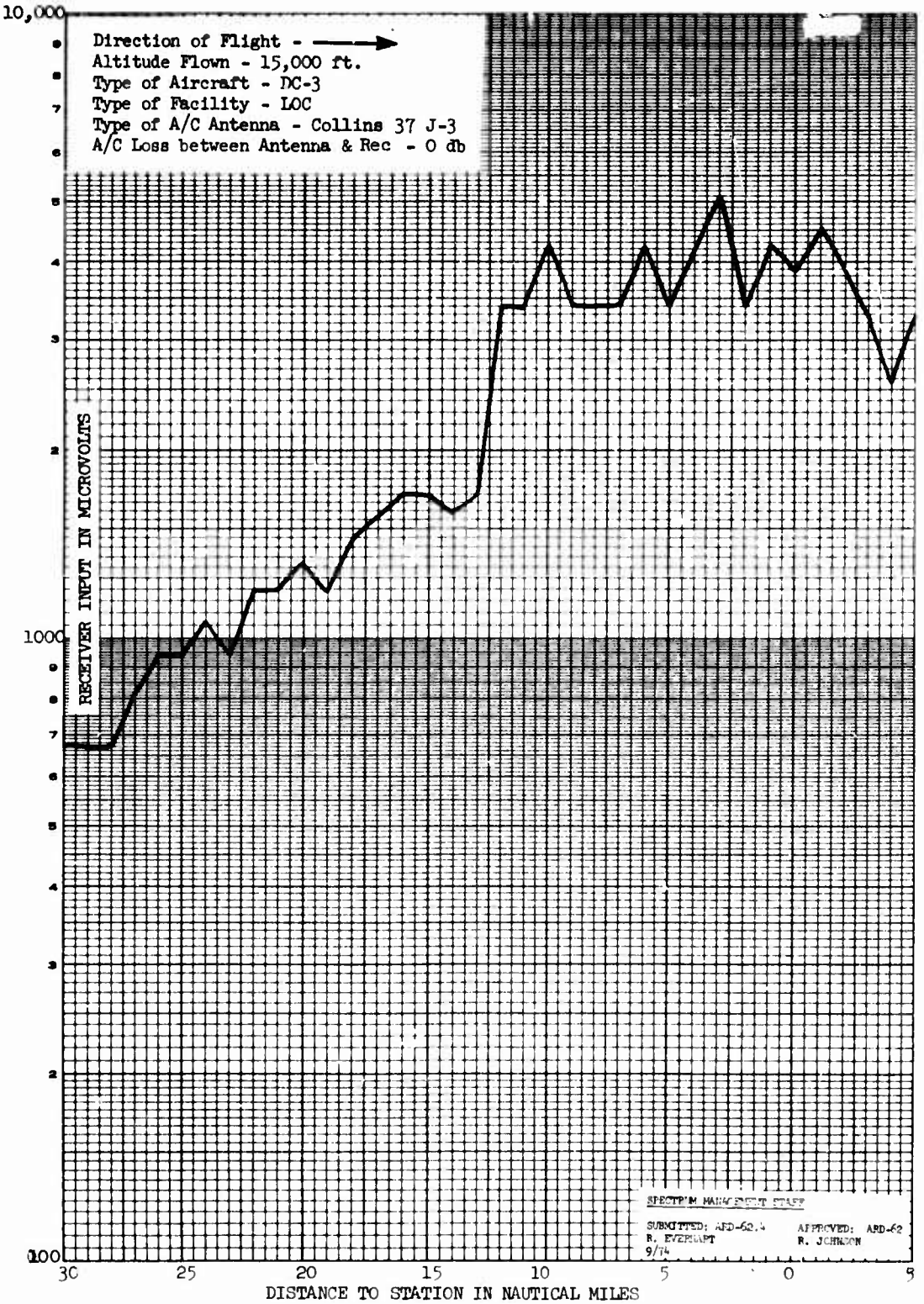

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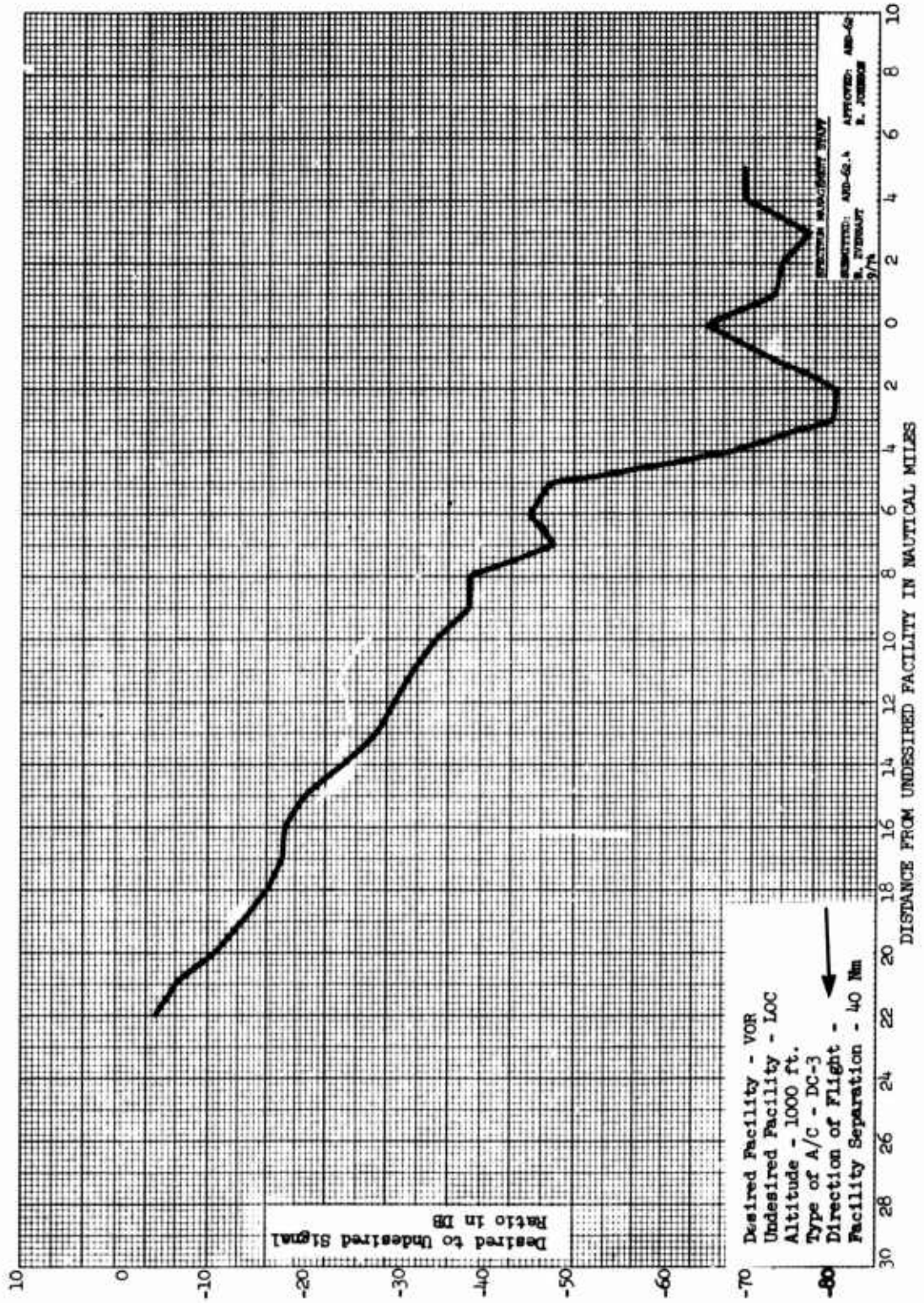
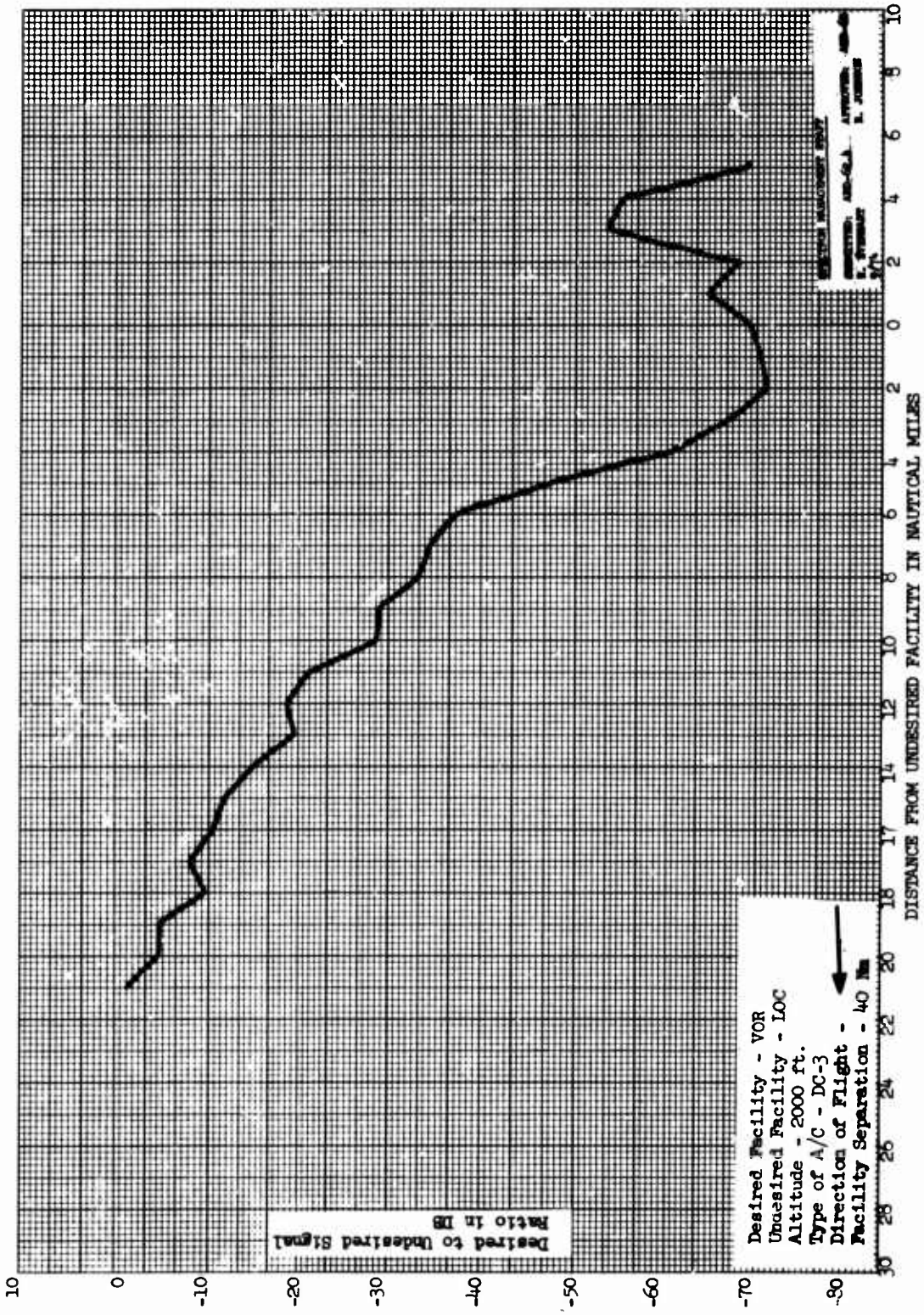
Appendix D

D/U SIGNAL RATIO CURVES PHASE I



Altitude Flown - 1000 ft.

Appendix D



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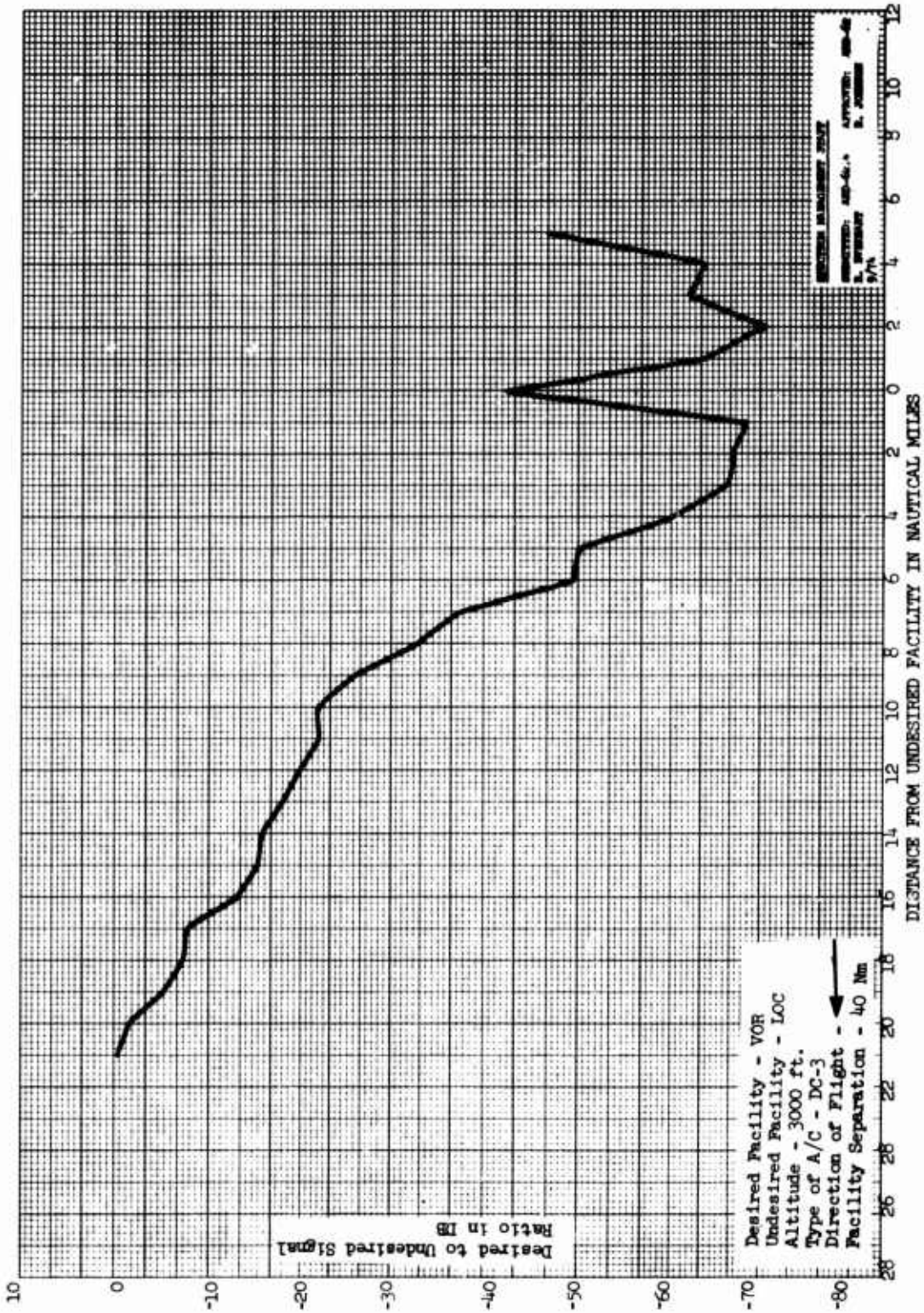
Appendix D



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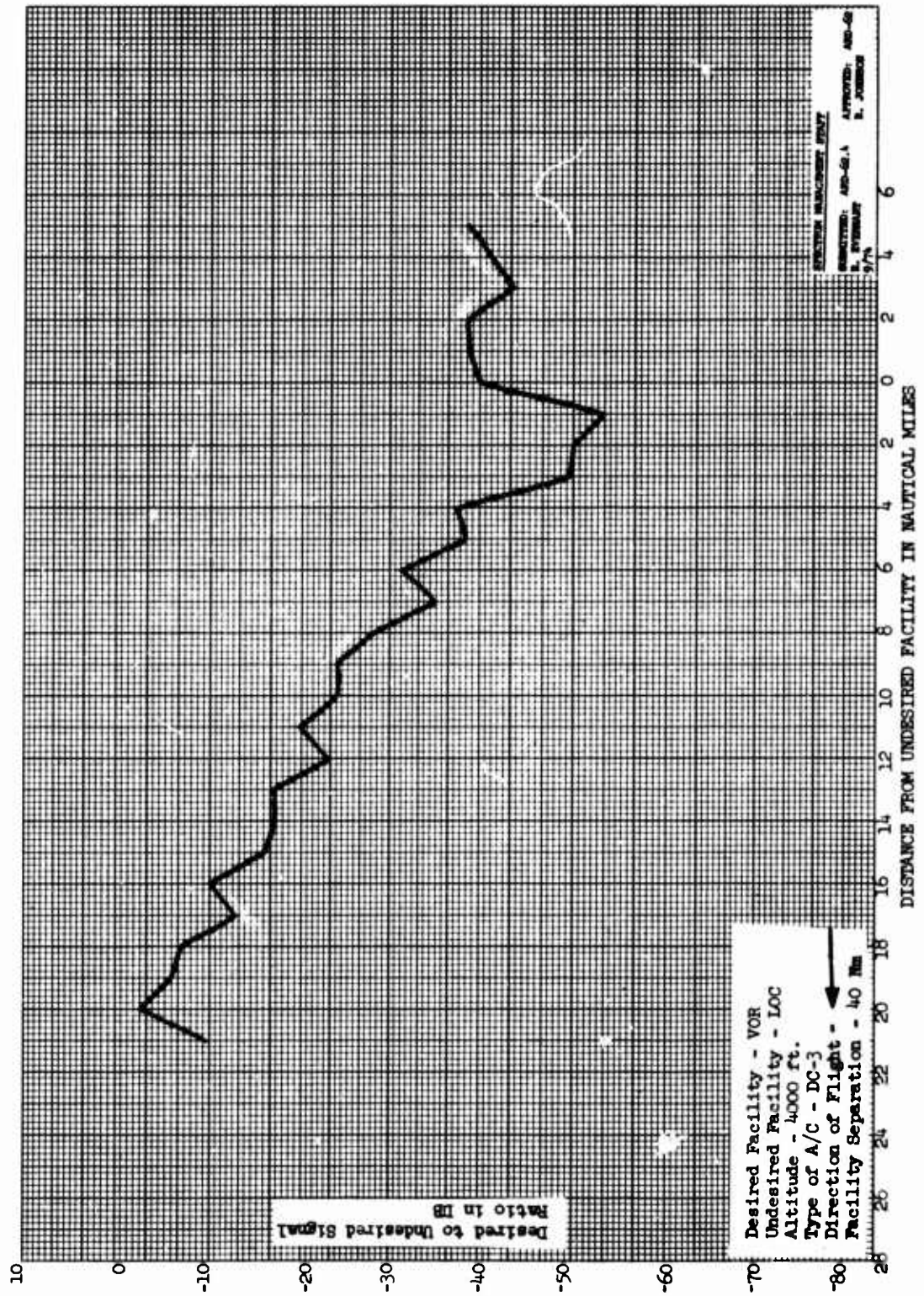

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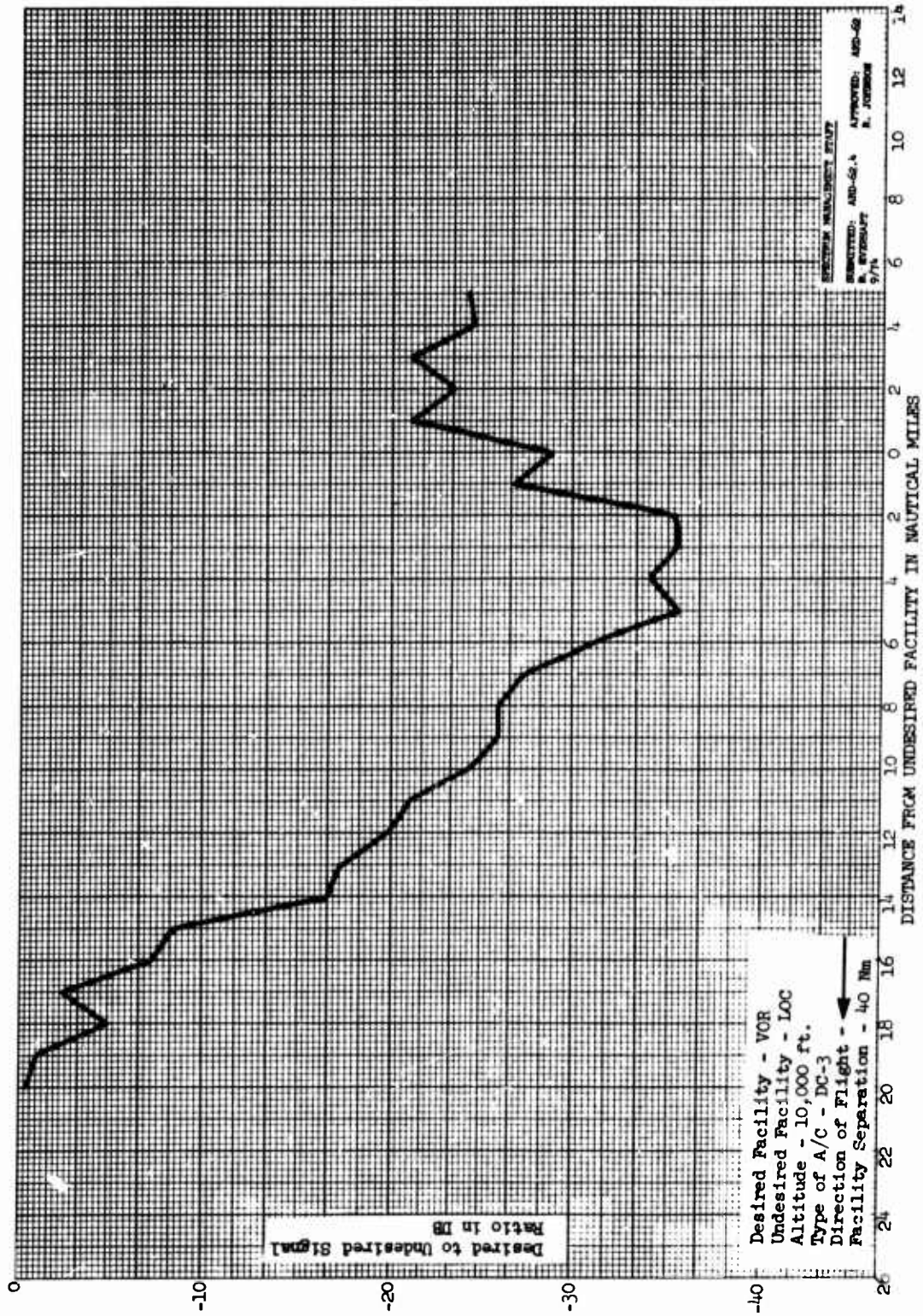

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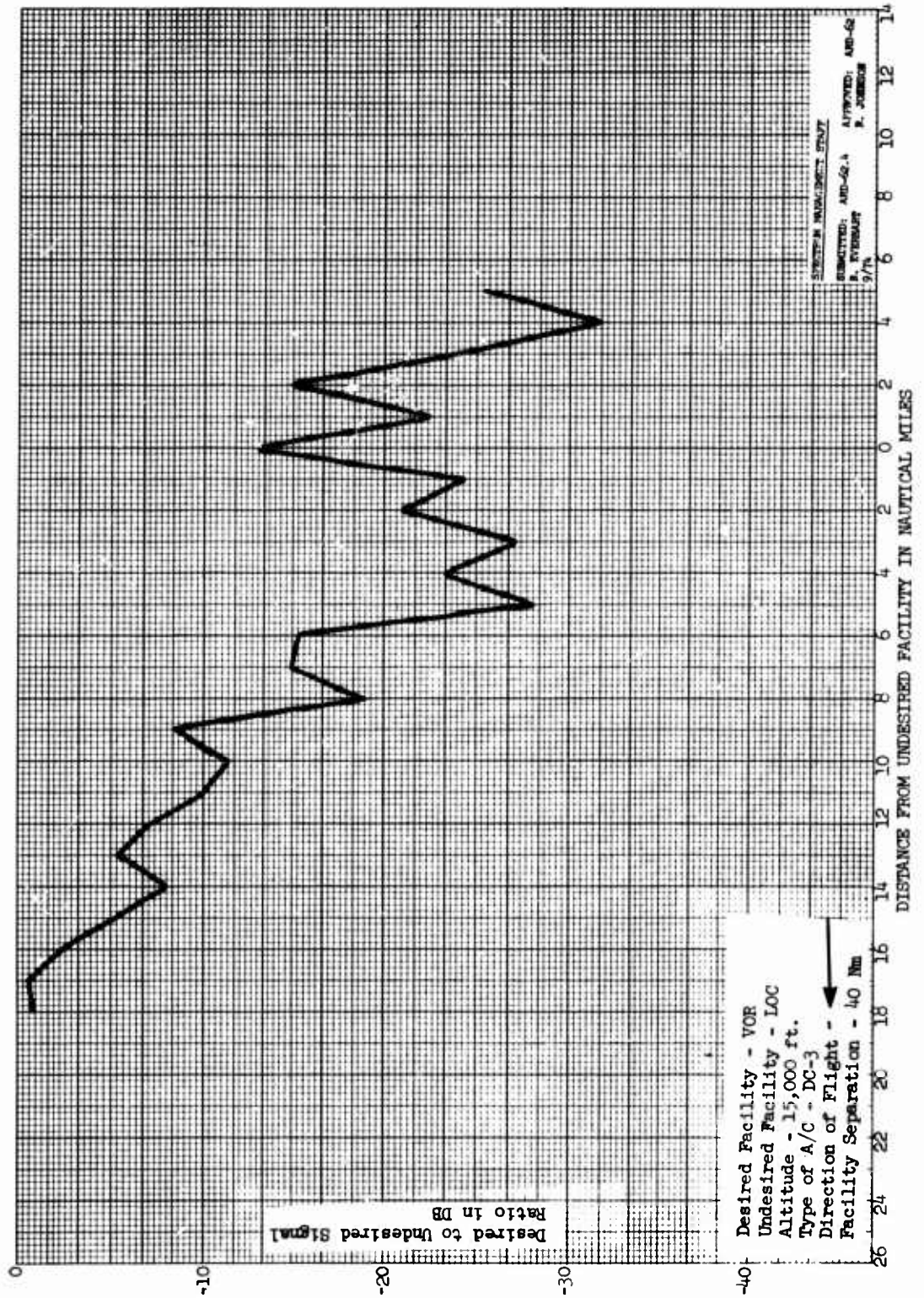

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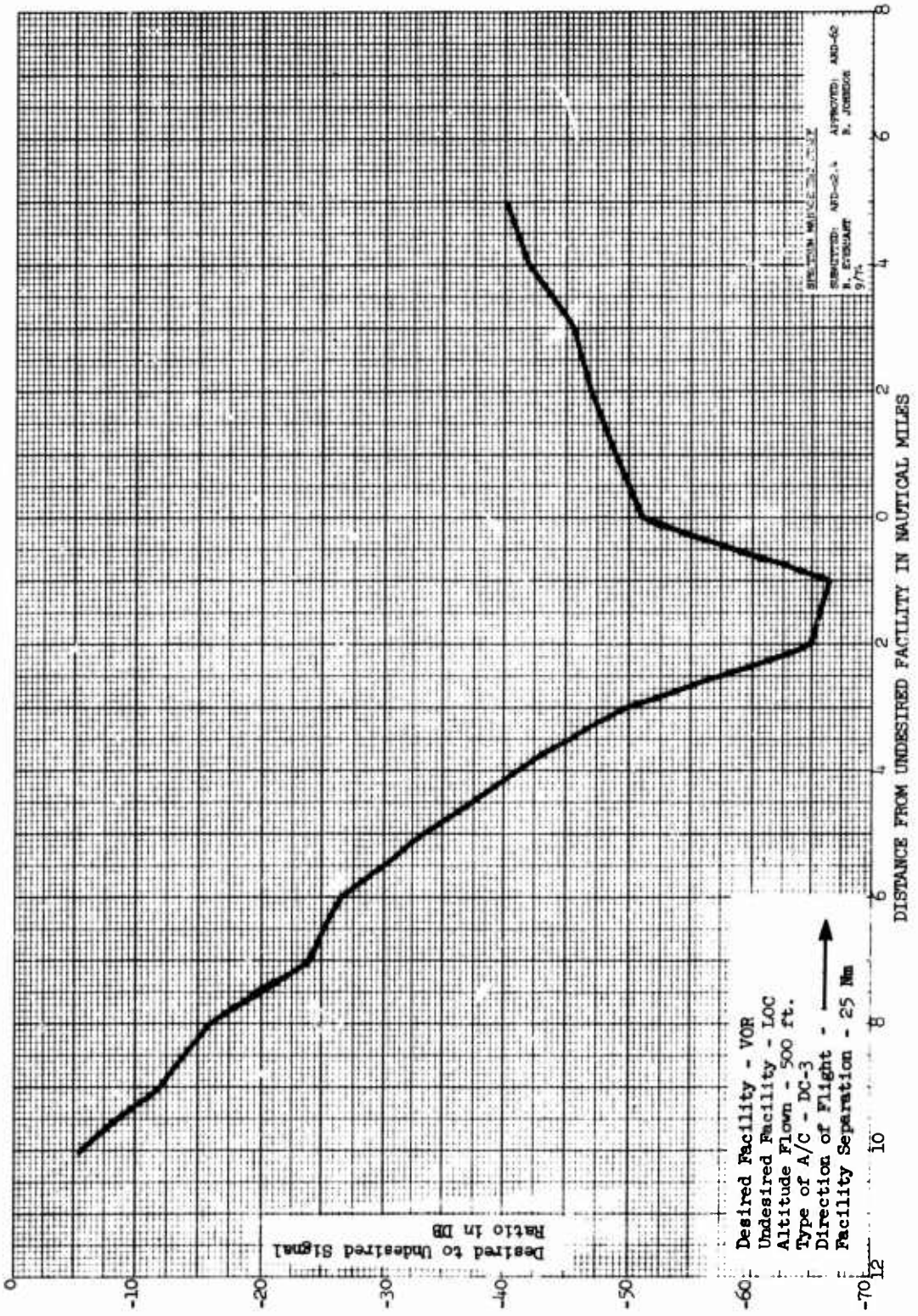
Appendix E

D/U SIGNAL RATIO CURVES PHASE III



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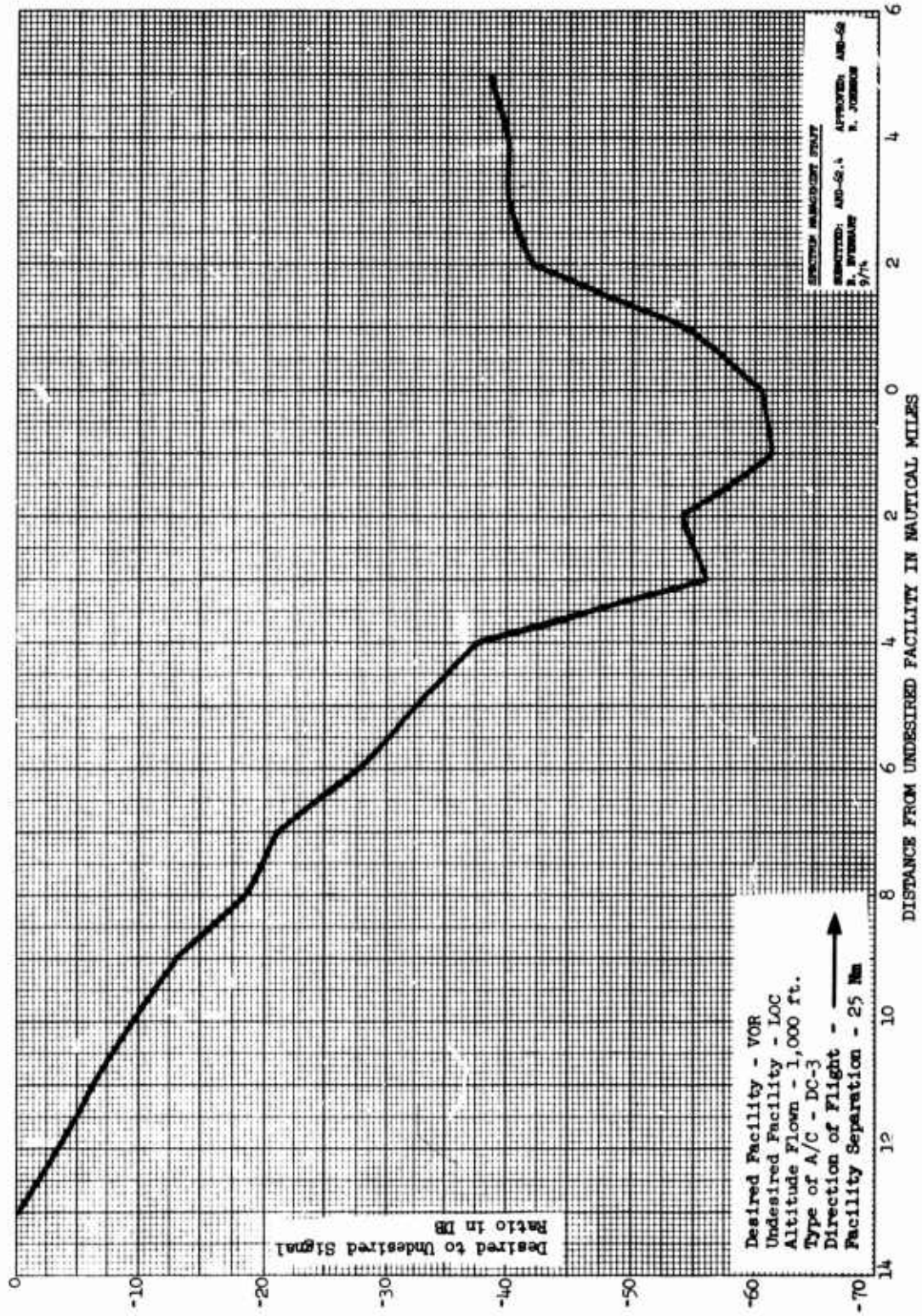
Appendix E



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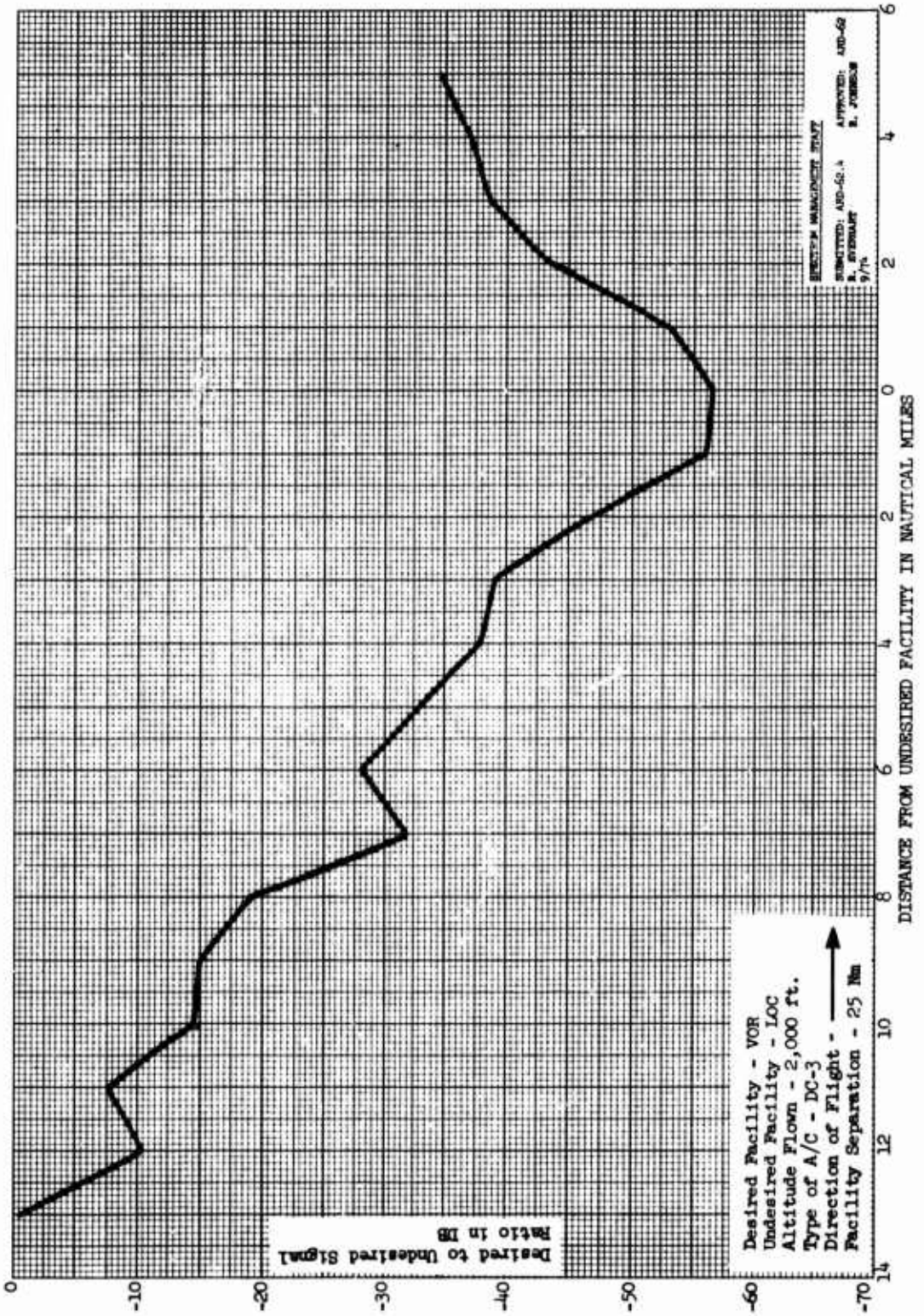

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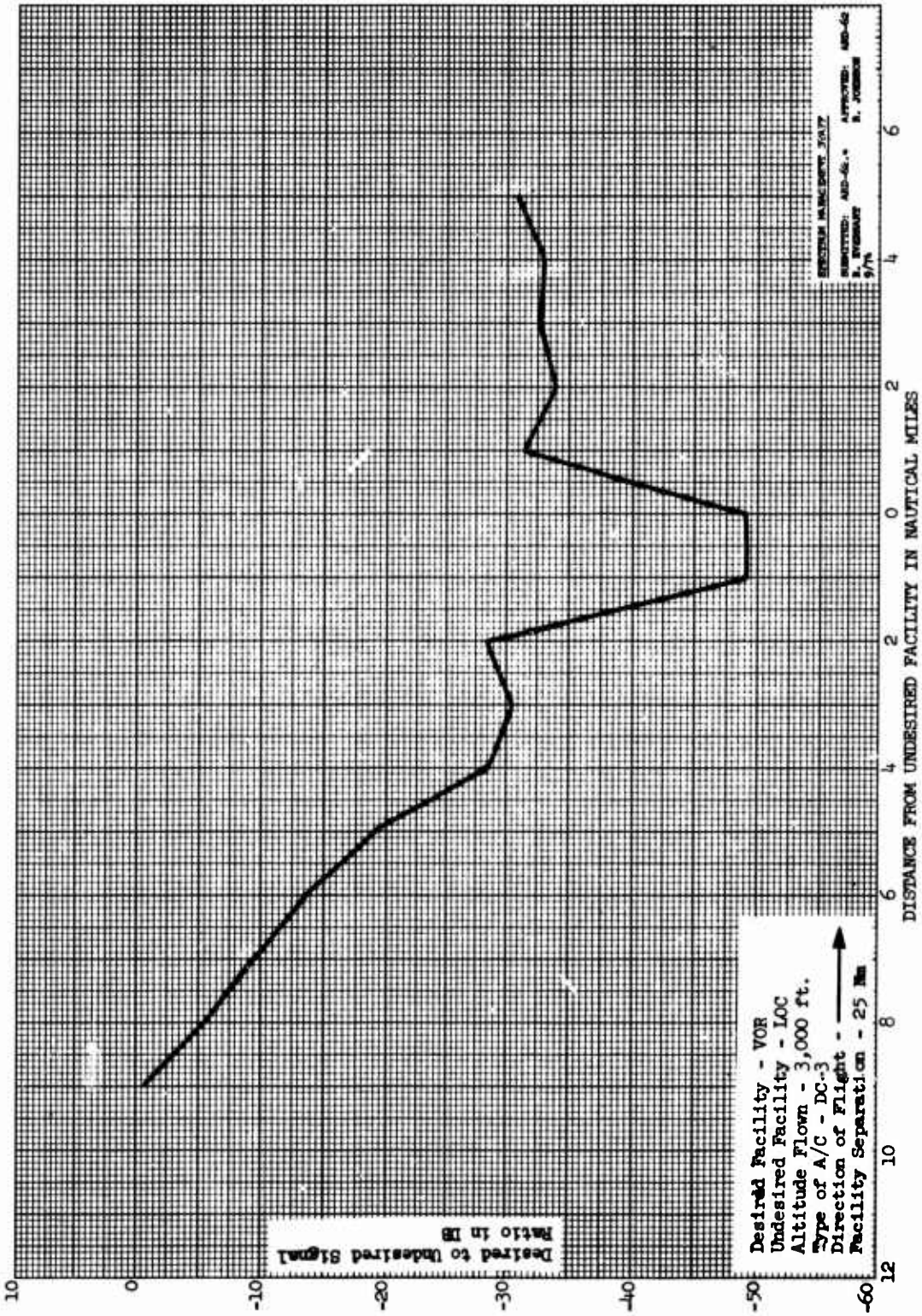
Appendix E



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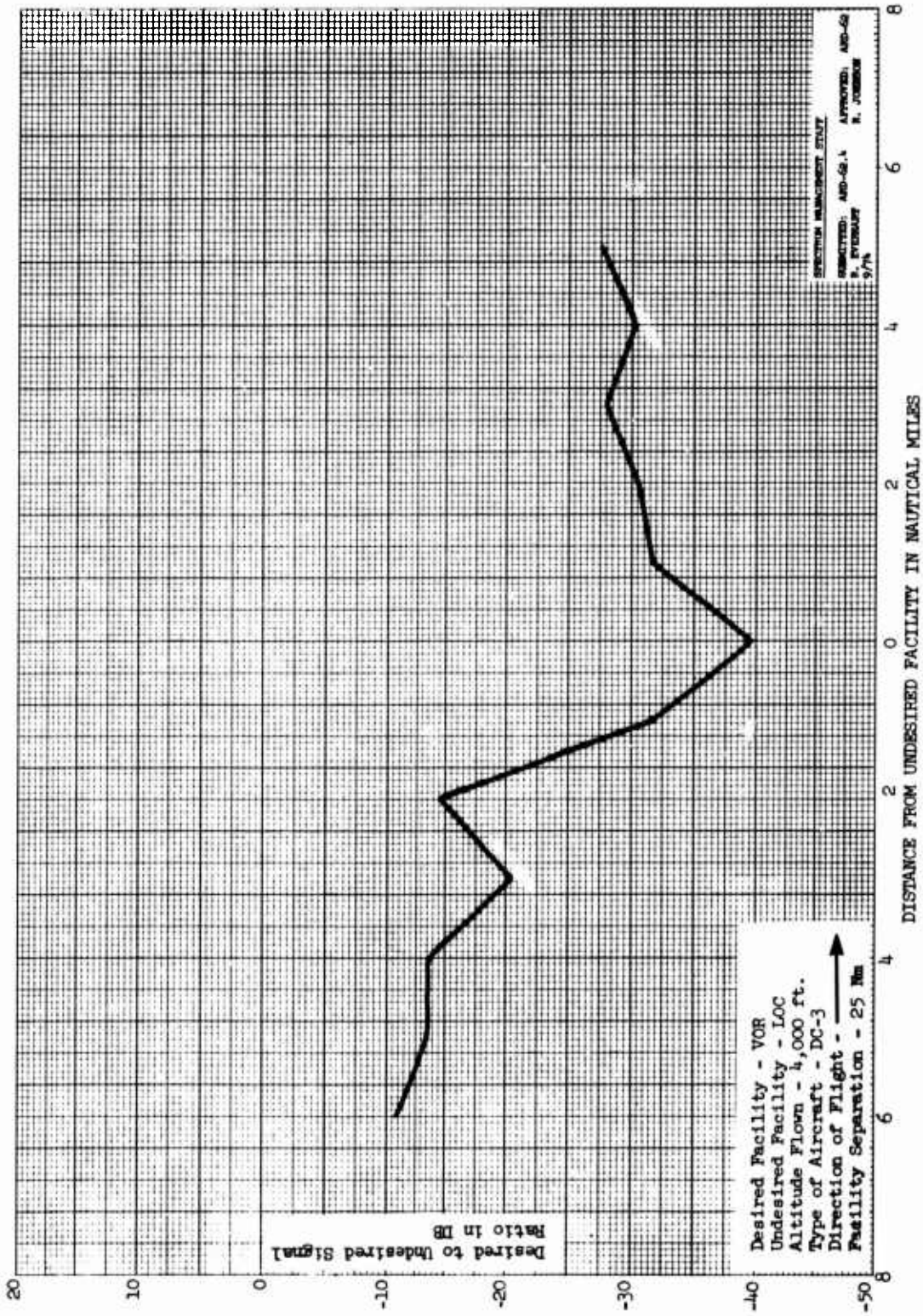

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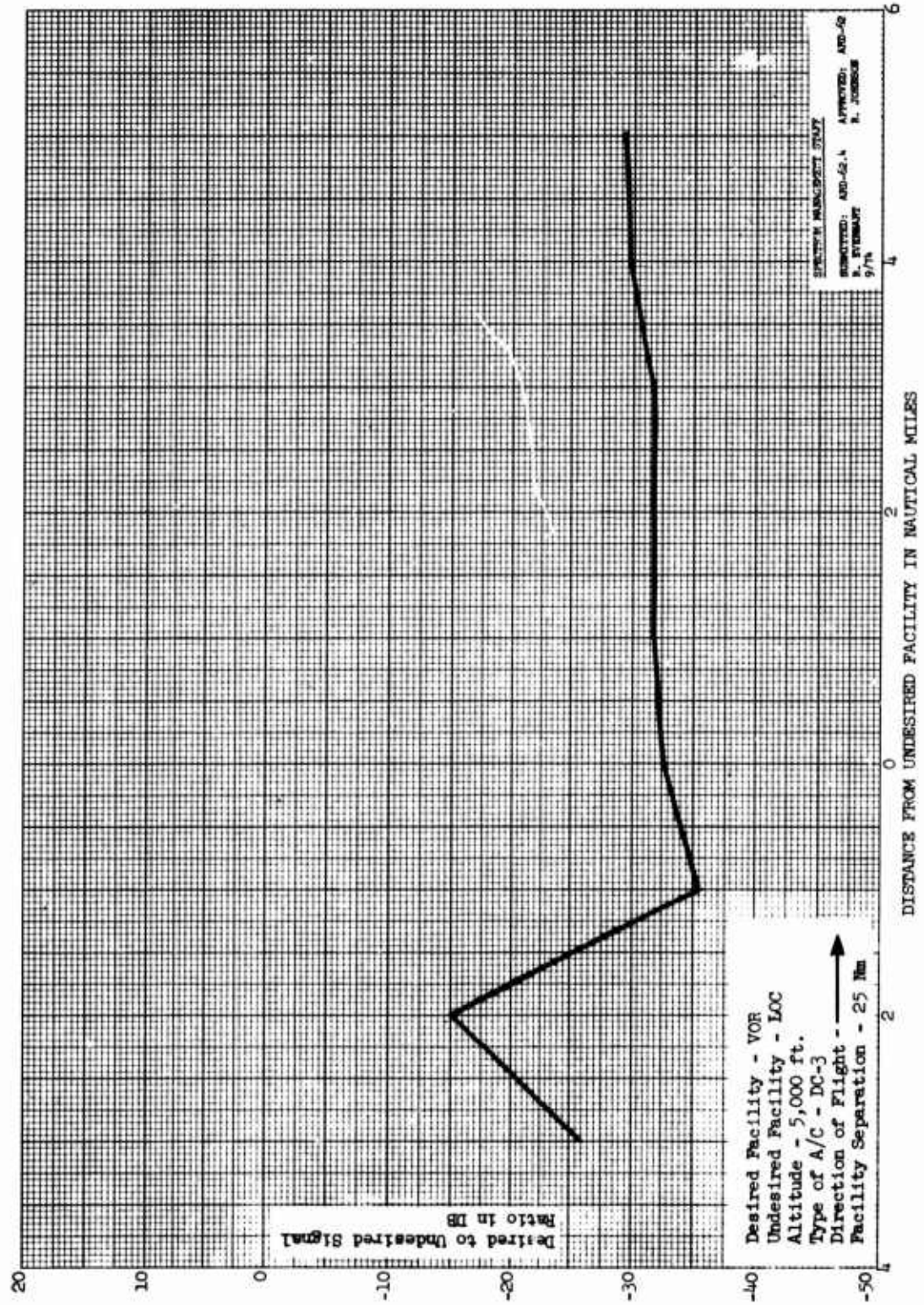
Appendix E



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