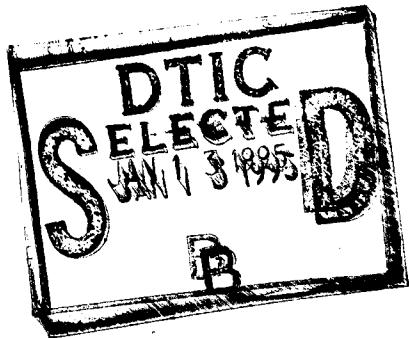




Yuma I Site Characterization and Data Summary



Charles D. Hahn

U.S. Army Engineer Waterways
Experiment Station
Vicksburg, MS

19950111 099

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SWOE Report 94-3
May 1994

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FOREWORD

SWOE Report 94-3, was prepared by C.D. Hahn of U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.

This report is a contribution to the Smart Weapons Operability Enhancement (SWOE) Program. SWOE is a coordinated, Army, Navy, Marine Corps, Air Force and ARPA program initiated to enhance performance of future smart weapon systems through an integrated process of applying knowledge of the broadest possible range of battlefield conditions.

Performance of smart weapons can vary widely, depending on the environment in which the systems operate. Temporal and spatial dynamics significantly impact weapon performance. Testing of developmental weapon systems has been limited to a few selected combinations of targets and environmental conditions, primarily because of the high costs of full-scale field tests and limited access to the areas or events for which performance data are required.

Performance predictions are needed for a broad range of battlefield environmental conditions and targets. Meeting this need takes advantage of significant DoD investments by Army, Navy, Marine Corps and Air Force in 1) basic and applied environmental research, data collection, analysis, modeling and rendering capabilities, 2) extensive target measurement capabilities and geometry models, and 3) currently available computational capabilities. The SWOE program takes advantage of these DoD investments to produce an integrated process, the SWOE Process.

SWOE is developing, validating, and demonstrating the capability of the SWOE Process to handle complex target and environment interactions for a broad range of battlefield conditions. SWOE is providing the DoD smart weapons and autonomous target recognition (ATR) communities with a validated capability to integrate measurements, information bases, modeling, and simulation techniques for complex environments. This is a DoD-wide partnership that works in concert with advanced weapon system developers and major weapon system test and evaluation programs.

The SWOE program started in FY89 under Balanced Technology Initiative (BTI) sponsorship. Present sponsorship is by the U.S. Army Corps of Engineers (lead service), the individual services, and the Joint Test and Evaluation (JTE) program of the Office of the Director of Test & Evaluation, Office of the Under Secretary of Defense OUSD(A/DT&E).

The Joint Test Director is Dr. J.P. Welsh. The Deputy Test Directors are: (Army) LTC Jerre Wilson and (Air Force) Maj Richard Jennings. The Integration Manager is Mr. Richard Palmer. The Modeling Configuration Manager is Dr. George G. Koenig.

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| Accession For | |
| NTIS GRA&I <input checked="" type="checkbox"/> | |
| DTIC TAB <input type="checkbox"/> | |
| Unannounced <input type="checkbox"/> | |
| Justification | |
| By _____ | |
| Distribution _____ | |
| Availability Codes | |
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A-1

| REPORT DOCUMENTATION PAGE | | | Form Approved OMB No. 0704-0188 |
|---|--|---|------------------------------------|
| <p>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</p> | | | |
| 1. AGENCY USE ONLY (Leave blank) | 2. REPORT DATE | 3. REPORT TYPE AND DATES COVERED | |
| | May 1994 | Final report | |
| 4. TITLE AND SUBTITLE | 5. FUNDING NUMBERS | | |
| Yuma 1 Site Characterization and Data Summary | | | |
| 6. AUTHOR(S) | 8. PERFORMING ORGANIZATION REPORT NUMBER | | |
| Charles D. Hahn | | | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) | 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) | | |
| U.S. Army Engineer Waterways Experiment Station Environmental Laboratory, 3909 Halls Ferry Road Vicksburg, MS 39180-6199 | Smart Weapons Operability Enhancement Joint Test and Evaluation Program Office, Hanover, NH 03755-1290 | | |
| 10. SPONSORING/MONITORING AGENCY REPORT NUMBER | | | |
| 11. SUPPLEMENTARY NOTES | | | |
| Available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161. | | | |
| 12a. DISTRIBUTION / AVAILABILITY STATEMENT | | 12b. DISTRIBUTION CODE | |
| Approved for public release; distribution is unlimited. | | | |
| 13. ABSTRACT (Maximum 200 words) | | | |
| <p>The primary purpose of the Smart Weapons Operability Enhancement (SWOE) Joint Test and Evaluation Program is to validate the SWOE scene generation process. Once validated, this process will reduce, if not eliminate, the design-test-redesign approach to smart weapon development. Using the SWOE process, smart weapons designers will be able to test their sensor algorithms on simulated scenes with a greater degree of variability than is often presented during the test phase of the design process. The SWOE process will also allow for the smart weapons designs to be tested against different environments without the need for expensive and time-consuming data collection exercises.</p> | | | |
| <p>This report describes the site of the Yuma 1 data collection exercise, the data collection plans and techniques used, and the data collected. The data collection period covered 47 days from meteorological, thermal, infrared, and other environmental data collected by the U.S. Army Waterways Experiment Station, Vicksburg, MS.</p> | | | |
| 14. SUBJECT TERMS | | 15. NUMBER OF PAGES | |
| Infrared | Thermal | 283 | |
| Site characterization | Yuma, Arizona | 16. PRICE CODE | |
| SWOE | Yuma Proving Ground | | |
| 17. SECURITY CLASSIFICATION OF REPORT | 18. SECURITY CLASSIFICATION OF THIS PAGE | 19. SECURITY CLASSIFICATION OF ABSTRACT | 20. LIMITATION OF ABSTRACT |
| UNCLASSIFIED | UNCLASSIFIED | | |

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Preface

The data collection activities reported herein were conducted by the U.S. Army Engineer Waterways Experiment Station (WES) to characterize the site and scene conditions during the Smart Weapons Operability Enhancement (SWOE) Joint Test and Evaluation (JT&E) Yuma 1 exercise conducted at Yuma Proving Ground, AZ, from 15 March 1993 to 30 April 1993. It was funded by the Department of Defense SWOE JT&E Program Office, Hanover, NH. Dr. J. Pat Welsh was the Joint Test Director.

WES has prepared three related reports in support of the Yuma 1 exercise for the SWOE JT&E Program. These are as follows:

- a. "Yuma 1 Information Base for Generation of Synthetic Thermal Scenes"
- b. "Yuma 1 Site Characterization and Data Summary"
- c. "Analysis of Thermal Imagery Collected at Yuma 1, Yuma Proving Ground, Arizona"

This study was conducted under the general supervision of Dr. John Harrison, Director, Environmental Laboratory (EL), WES; Dr. Robert M. Engler, Chief, Natural Resources Division (NRD), EL; Mr. Harold W. West, Chief, Environmental Characterization Branch (ECB), NRD; and under the direct supervision of Mr. Charles D. Hahn, WES project coordinator. Mr. Hahn prepared this report. Field support was provided by Messrs. Thomas Berry, Salvador Rivera, Jr., M. Joe Wooley, Clarence Currie of ECB, EL, and Messrs. David Leese and Paul Dew of Instrumentation Services Division, WES.

At the time of publication of this report, Director of WES was Dr. Robert W. Whalin. Commander was COL Bruce K. Howard, EN.

Conversion Factors, Non-SI to SI Units of Measurement

Non-SI units of measurement used in this report can be converted to SI units as follows:

| Multiply | By | To Obtain |
|-----------------|------------|-------------|
| degrees (angle) | 0.01745329 | radians |
| inches | 2.54 | centimeters |

1 Introduction

The Smart Weapons Operability Enhancement (SWOE) Joint Test and Evaluation (JT&E) Program is a coordinated multiservice effort to address problems related to smart weapon system development, test, and evaluation (DT&E) in the worldwide range of battlefield environment conditions. The thrust of the SWOE Yuma 1 exercise was to collect environmental data necessary to generate synthetic thermal and millimeter wave (MMW) scenes and to collect thermal and MMW data for use in the validation of the SWOE synthetic scene generation process.

Background

With the reduction in armed forces personnel in the U.S. military, smart weapons are being required to play an ever increasing role in modern warfare. Current development, test, and retest approaches to smart weapons development are becoming more expensive because of the lengthy field data collections and tests necessary to improve system performance. The purpose of the SWOE JT&E Program is to validate simulation procedures for generating realistic synthetic scenes for the candidate infrared (IR) and MMW sensors and sensor systems. The generated synthetic scenes can be convolved with the appropriate sensor characteristics and then used to design and evaluate weapon system targeting algorithms. This approach to smart weapons DT&E represents a radical change in current methods and can drastically reduce the costs associated with the testing of candidate smart weapon systems. The SWOE scene generation process uses a high-resolution digital topographic elevation data set with the corresponding vegetation and terrain feature data, and meteorological data from the desired area to generate three-dimensional (3-D) scenes from any view geometry desired. This end-to-end scene generation process allows weapon system targeting algorithms to be evaluated against a variety of background and meteorological conditions and viewing geometries without being limited to what is available during a real field program.

Approach

As part of the SWOE JT&E Yuma 1 data collection exercise, the U.S. Army Engineer Waterways Experiment Station (WES) provided quantitative characterization of vegetation and topographic features, collected continuous surface temperature data on dominate terrain features, and collected high-resolution IR image data of selected terrain features in the two areas of interest. WES also provided survey control of all SWOE instrumentation including fiducial arrays used to align and adjust the IR- and MMW-based data collection systems used by the Airborne Seeker Evaluation System (ASETS) of the 46 Test Wing, U.S. Air Force, Eglin Air Force Base (EAFB), FL. In addition to this, WES collected periodic site condition color video data to document the changes in the site conditions during the 45-day SWOE data collection exercise.

Scope

This report discusses the measurement procedures used by WES during the data collection effort and presents data collected in support of the SWOE JT&E Yuma 1 exercise.

2 Site Characterization Procedures

WES was responsible for characterization of site conditions in support of the SWOE Yuma 1 exercise conducted 15 March 1993 to 30 April 1993. Measurements were made to describe the vegetation, soil, and topography of the site. The measurement procedures used by WES are described in the following paragraphs.

The SWOE Yuma 1 data collection area was divided into two primary data collection areas on either side of a large ridge where the SWOE ground-based imaging equipment was located. The western area was to be imaged using the tower-based EAFB Thermal Imaging Processing System IR equipment and was located in between SWOE Sites E and F (West area) (see Figure 1). The terrain in this area consisted of several small secondary washes in between two ridges. There was very little vegetation in this area except along the washes. The eastern area was to be imaged using IR cameras from the U.S. Army Research Laboratory (ARL) Battlefield Environment Division and from the U.S. Army Engineer Cold Regions Research and Engineering Laboratory (CRREL). This area (East area) was located in the area of SWOE Sites B, C, and D (Figure 1); the terrain consisted of a primary wash and a smaller secondary wash. The eastern area was more vegetated than the western area with dense vegetation along the washes and scattered shrubs and grasses in the flat terrain between the two washes. Each of the SWOE sites was instrumented to collect meteorological, soil temperature profile, and surface temperature data using equipment provided by the ARL, CRREL, and WES. A more detailed description of the data collected by WES in support of the Yuma 1 exercise follows.

Surface Temperature Measurements

WES deployed two types of arrays to measure the surface temperature of the data collection area. The first type, surface temperature array, was deployed to measure the near-surface (≈ 1 cm) conditions. This type of array consisted of eight thermistors and four noncontact infrared (8- to 12- μm) thermometers (staring radiometers) deployed according to a random walk plan

provided by the SWOE JT&E Program Office. These arrays were deployed at Site B (UTM coordinates 756321E 3650883N) and Site E (UTM coordinates 756079E 3650893N). The other two arrays, feature arrays, consisted of eight staring radiometers deployed to measure the apparent temperature of selected terrain features near Sites B and D (UTM coordinates 756398E 3650801N). All of these arrays were equipped with a telemetry link to transmit the data to the nearby WES field data collection facility (FDCF), where it was graphically displayed in near real-time to monitor current site conditions and to serve as a quality control measure. Collected at 5-min intervals, data were then stored in a Campbell Scientific data logger and were transmitted hourly.

Surface soil temperature arrays

Surface temperature arrays were deployed at SWOE Site B (Figures 2 and 3) and SWOE Site E (Figures 4 and 5). Each sensor was placed according to a SWOE deployment plan. This plan was developed using a random number of paces between 1 and 10 for the distance and a second random number for the compass direction using the last sensor location as the starting point. The first eight locations were assigned to thermistors placed approximately at a 1-cm depth (all sensor cables were buried). Staring radiometers were used to measure the surface temperature of the remaining four locations. Each staring radiometer was positioned to minimize shadowing. The staring radiometers were equipped with a 4-deg¹ field of view (FOV) lens and were placed on small tripods approximately 0.5 m above the terrain. The locations of these sensors are included in Tables 1 and 2. Photographs of the sensor locations, shown in Appendix A, depict the terrain conditions prior to and at the end of the 45-day data collection period. It is noteworthy that the site conditions reflect the wet desert bloom period at the start of the data collection program and the dry conditions at the end of the data collection period.

Feature arrays

Sixteen different terrain features (two groups of eight) were instrumented with staring radiometers. These two arrays are shown in Figures 6 and 7 (SWOE Site B) and Figures 8 and 9 (SWOE Site D). These staring radiometers, also equipped with 4-deg FOV lenses, were placed on small tripods and positioned in a manner to minimize shading of the feature being measured. The locations and descriptions of the features instrumented are included in Tables 3 and 4. Photographs of the features instrumented with these arrays are included in Appendix B. These photographs show the condition of the terrain feature at the beginning and at the end of the 45-day data collection period.

¹ A table of factors for converting non-SI units of measurement to SI units is presented on page vi.

Table 1
Site B Surface Temperature Array Sensor Locations

| Channel Number | Sensor | Coordinates | | Terrain |
|----------------|--------|-------------|-----------|----------------|
| | | East | North | |
| 1 | THRM | 756322.3 | 3650885.0 | Grassy area |
| 2 | THRM | 756320.6 | 3650884.3 | Grassy area |
| 3 | THRM | 756328.7 | 3650886.5 | Grassy area |
| 4 | THRM | 756327.5 | 3650884.4 | Bare soil |
| 5 | THRM | 756332.9 | 3650883.8 | Gravelly soil |
| 6 | THRM | 756332.8 | 3650874.4 | Gravelly soil |
| 7 | THRM | 756336.9 | 3650880.8 | Small plants |
| 8 | THRM | 756332.1 | 3650872.1 | Gravelly soil |
| 9 | S.R. | 756327.2 | 3650872.4 | Small plants |
| 10 | S.R. | 756327.9 | 3650877.9 | Small plants |
| 11 | S.R. | 756328.6 | 3650880.4 | Plant/soil mix |
| 12 | S.R. | 756326.7 | 3650880.6 | Gravelly soil |

Table 2
Site E Surface Temperature Array Sensor Locations

| Channel Number | Sensor | Coordinates | | Terrain |
|----------------|--------|-------------|-----------|-------------------------|
| | | East | North | |
| 1 | THRM | 756073.1 | 3650884.4 | Rocky soil |
| 2 | THRM | 756073.8 | 3650882.4 | Sandy soil |
| 3 | THRM | 756081.2 | 3650883.6 | Rocky soil |
| 4 | THRM | 756077.4 | 3650883.6 | Sparse small vegetation |
| 5 | THRM | 756081.5 | 3650877.7 | Rocky soil |
| 6 | THRM | 756080.3 | 3650881.5 | Rocky soil |
| 7 | THRM | 756076.7 | 3650881.9 | Rocky soil |
| 8 | THRM | 756073.1 | 3650880.7 | Rocky soil |
| 9 | S.R. | 756078.4 | 3650880.3 | Rocky soil |
| 10 | S.R. | 756076.1 | 3650877.3 | Gravelly soil |
| 11 | S.R. | 756071.6 | 3650885.5 | Gravelly soil |
| 12 | S.R. | 756073.2 | 3650879.6 | Desert pavement |

Table 3
Site B Feature Array Sensor Locations

| Channel Number | Coordinates | | Description |
|----------------|-------------|-----------|---------------------------|
| | East | North | |
| 1 | 756358.8 | 3650826.0 | 50-cm high grass |
| 2 | 756361.4 | 3650819.5 | 1-m-diam light green bush |
| 3 | 756362.3 | 3650823.3 | Sandy wash bottom |
| 4 | 756363.6 | 3650821.7 | 10-cm-high grass |
| 5 | 756370.3 | 3650822.8 | Creosote bush |
| 6 | 756364.7 | 3650828.4 | Soil wash bottom |
| 7 | 756366.4 | 3650829.7 | Creosote bush |
| 8 | 756362.8 | 3650829.1 | Driftwood log |

Table 4
Site B Feature Array Sensor Locations

| Channel Number | Coordinates | | Description |
|----------------|-------------|-----------|-----------------------------|
| | East | North | |
| 1 | 756309.3 | 3650843.7 | Creosote bush |
| 2 | 756318.7 | 3650850.8 | 0.5-m light green oval bush |
| 3 | 756320.4 | 3650850.9 | Bush #113 |
| 4 | 756322.7 | 3650849.3 | Bush #111 |
| 5 | 756320.6 | 3650848.9 | Bush 314 |
| 6 | 756317.0 | 3650843.4 | 30-cm thorny leafy bush |
| 7 | 756315.5 | 3650846.4 | Grass rock mixture |
| 8 | 756314.0 | 3650847.6 | Rocky wash bottom |

Soil Moisture Measurements

WES collected daily soil samples at each of the six meteorological sampling sites (Site A-coords 756233E 3651020N, Site B, Site C-coords 765386E 3650889N, Site D, Site E, and Site F-coords 756037E 3650785N) and measured the soil moisture using a Troxler Model 4640 Thin Layer Density Gauge (Figure 10), a Soiltest Speedy Moisture Gauge (Figure 11), and an oven dry method (Figure 12). The actual location for the soil sample was determined using another random walk procedure similar to the one described for the surface temperature arrays. Once the location was determined, surface vegetation

was removed from the site and the surface leveled for positioning of the Troxler. A reading was taken (using the Troxler), and two small tins were filled with soil from the site. Additional tins of soil were collected from the same site by CRREL personnel. The tins were then sealed with plastic tape and placed on ice to minimize loss of moisture while the remainder of the samples were collected (within a 1-hr period). When all the samples had been collected, one sample from each site was weighed using a triple beam balance and placed in the oven. Samples were dried in the oven for 24 hr, reweighed, then returned to the oven to dry for an additional 24 hr. If the weight of the tin remained constant over the second 24-hr period, then the moisture was calculated using a wet weight basis. If the sample weight had changed during the second 24-hr period, the sample was left in the oven an additional 24 hr. The second sample of soil collected at each site was used to determine the moisture using the Speedy Moisture Gauge. All moisture readings were recorded on soil moisture data sheets and periodically submitted to the SWOE data management team.

The four primary surface soil types within the test area were desert pavement (characterized by a layer of burnt black rock and gravel with a fine silty clay sand), pavement wash (characterized by some natural colored gravel in lower areas of the desert pavement), secondary washes (characterized by gravel/soil mix with some vegetation cover), and developed washes (where very little soil existed in the surface layers down to 3 to 4 in.) (Sabol et al. 1989). Soil type characterizations had previously been conducted by WES; these results are presented in Appendix C.

Vegetation Measurements

WES also collected other types of environmental data associated with the Yuma 1 data collection exercise. During the period 8-15 January, WES collected data on the vegetation characteristics of approximately 300 trees and shrubs in the two primary ground areas of interest (Sites B-C-D and E-F). Measurements included height, width, length, stem diameter, and location. Detailed measurements of each major plant species present were performed to measure branch length and angle, number of leaves per stem, and number of stems per plant. Basic plant measurements (height, crown diameter, stem diameter, species, etc.) were made on approximately 1,800 plants within the overall data collection area. WES also collected data on vegetation ground cover and topographic microgeometry at four locations in the Site B-C-D area and four locations in the Site E-F area. Vegetation cover was characterized using a 1-m square grid. The stems contained in the grid were counted and recorded.

Topographic Measurements

To characterize the topography of the SWOE Yuma 1 data collection area, a combination of macrogeometric and microgeometric measurement techniques were used. Macrogeometry was characterized by augmenting the existing topographic elevation data set (Sabol et al. 1989) by surveying approximately 600 points in the data collection area. This survey used Global Positioning Satellite (GPS) survey techniques to establish local 3-D control in the area and the traditional terrestrial techniques to determine the 3-D surface geometry. These survey points were then used to develop the high-resolution (1-m) topographic elevation array (Ballard 1994). Topographic microgeometry data were collected in both of the imaging areas (East and West Areas) by leveling a 1-m² grid and measuring the distance to the ground at 10-cm intervals to the ground surface. The locations of these 1-m grids were also determined.

Image Measurements

WES collected IR (3- to 5-μm and 8- to 12-μm) data in a reduced subset of the planned array of 188 SWOE imaging missions. This plan is presented in Figure 13. WES used an Agema 900 thermovision system to collect high-resolution image data of several terrain features. The 900 system consists of two imagers (3- to 5-μm and 8- to 12-μm wave bands) connected to a Motorola 68030-based computer optimized to run the image collection/processing software. The specifications for these cameras are shown in Table 5. The 900 cameras, shown in Figures 14 and 15, were mounted on a computer-controlled mount (Figure 16) that allowed for 360 deg of rotation and approximately 70 deg of tilt. This mount, which was attached to the boom of the WES boom truck (Figure 17), was programmed to allow locating and imaging specific features in the field of regard. The procedure used during the imaging period was as follows:

- a. WES personnel would raise the boom sufficient to obtain an unobstructed view of the WES passive blackbodies. The WES passive blackbodies were located approximately 35 m from the imager. They are constructed from an 18-in. square plate of 1/2-in. steel painted black, instrumented with thermistors on both sides of the plate, and housed in a wooden frame. In use, one blackbody is shaded from the sun by a plywood enclosure and the other left unshaded. This provides a suitable temperature difference and is sufficient for determining the accuracy of the WES IR imaging system. The cameras were then pointed in the direction of blackbodies, and image data were collected in both wave bands.
- b. The camera boom was then extended to its full height (55 ft), and the cameras were aligned on a boresight target (a Coleman Lantern). This step ensured that the relative angles to each of the features were correct.

Table 5
Agema 900 Camera Specifications

| Scanner | 900 SW | 900 LW |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Detector | 2xInSb Cryogenically cooled | MCT Cryogenically cooled |
| Spectral response | 2 to 5.6 μm | 8 to 12 μm |
| Frame frequency | 15 and 30 Hz Selectable | 15 and 30 Hz Selectable |
| Line frequency | 2.5 kHz | 2.5 kHz |
| Lines/frame | 136 | 136 |
| Sample/line | 272 | 272 |
| Temperature range | -20 to -500 $^{\circ}\text{C}$ | -30 to 1,500 $^{\circ}\text{C}$ |
| Sensitivity at 30 $^{\circ}\text{C}$ | 0.1 $^{\circ}\text{C}$ | 0.08 $^{\circ}\text{C}$ |
| Accuracy | +/-1 $^{\circ}\text{C}$ or +/-1% | +/-1 $^{\circ}\text{C}$ or +/-1% |
| Repeatability | +/-0.5 $^{\circ}\text{C}$ or +/-0.5% | +/-0.5 $^{\circ}\text{C}$ or +/-0.5% |
| Dynamic range | 12 bit (4,096 Levels) | 12 bit (4,096 Levels) |

- c. The cameras were then positioned on the first terrain feature within the West Area (see Figure 1). At the predetermined time, image data were collected on each of five features in this area; then the cameras were repositioned to collect image data in the East Area (see Figure 1). At the designated time, the five features were imaged within this area. This process continued until the end of the 1-hr mission.
- d. At the conclusion of each 1-hr data collection period, the boom was lowered so that the blackbodies could be reimaged again, except when two 1-hr missions were scheduled back to back. In this case, the ending blackbody images of the first mission and the beginning blackbody images of the second mission were omitted.

WES collected data for three diurnal periods during the Yuma 1 data collection period. These occurred on 24 March, 8 April, and 26 April. The procedure for these missions resembled the one used for the regular SWOE missions except blackbody images were obtained only during long breaks in the imaging session.

Thermal Properties Measurements/Data

Determining the thermal properties of many naturally occurring materials is a difficult task using measurement techniques available in the field (Turner 1986). Most of the thermal properties used in the SWOE scene generation

process have been derived from models in which the surface roughness, moisture content, and porosity factor into determining thermal emissivity and surface albedo. Material properties such as chemical composition of the soils, soil density, and particulate size were determined using data from previous studies in the area or data available from soil surveys performed by the U.S. Department of Agriculture. Thermal properties for vegetation in the area were derived from models that use plant geometry, stem density, and leaf count information. These models were developed by the Naval Weapons Center and Willow Creek Laboratory (Turner 1985). The models were analyzed to determine data collection requirements and the relative importance of physically measured data versus modeled to better assess the minimum data collection requirements.

Summary of Meteorological and Soil Temperature Instrumentation Measurements

Meteorological, soil temperature profile, and surface temperature measurements were acquired at each of the six SWOE sites (A, B, C, D, E, and F), though not all sites were instrumented to collect all types of data. Table 6

Table 6
Parameter Measurements Collected at Each Site

| Parameter | Site A | Site B | Site C | Site D | Site E | Site F |
|------------------------------|--------|--------|--------|--------|--------|--------|
| Barometric pressure | No | No | Yes | No | Yes | No |
| Air temperature | Yes | Yes | Yes | Yes | Yes | Yes |
| Relative humidity | Yes | Yes | Yes | Yes | Yes | Yes |
| Wind speed | Yes | Yes | Yes | Yes | Yes | Yes |
| Wind direction | Yes | Yes | Yes | Yes | Yes | Yes |
| Visibility | No | Yes | Yes | No | Yes | No |
| Rain rate | No | No | Yes | Yes | Yes | No |
| Accumulative rainfall | No | No | Yes | Yes | Yes | No |
| Total solar flux | No | No | No | Yes | Yes | No |
| Direct solar flux | No | No | Yes | Yes | No | No |
| Diffuse upwelling solar flux | Yes | Yes | Yes | Yes | No | Yes |
| Downwelling IR flux | No | No | Yes | Yes | Yes | No |
| Upwelling IR flux | Yes | Yes | Yes | Yes | Yes | Yes |
| Soil temperature profile | Yes | Yes | Yes | Yes | Yes | Yes |
| Soil surface temperature | Yes | Yes | Yes | Yes | Yes | Yes |

shows the parameter measurements collected at each of the sites. Instrumentation from ARL, CRREL, and WES was used to collect this data. As mentioned previously, WES collected surface temperature data at Sites B and E. ARL collected meteorological data at Sites A, B, E, and F. CRREL collected soil temperature profile data at each of the sites and meteorological data at Sites C and D. In addition, ARL collected meteorological data in the upper atmosphere and data relating to cloud height and distribution. SPARTA, Inc., operated an all-sky imager to supplement the cloud distribution data collected by ARL. All data were collected at 1-min intervals except the surface temperature data collected by WES, which was gathered at 5-min intervals to preserve battery power. Further, on the roof of the FDCF, WES deployed a weather station that collected data on air temperature, relative humidity, barometric pressure, solar radiation, wind speed, wind direction, and precipitation. These data were used to monitor environmental conditions and to operate the IR sensors. These data were not included in the SWOE database.

3 Data Presentation

The objective of the SWOE Yuma 1 data collection was to capture the full range of environmental conditions during the “desert bloom” period. Because of generous rainfall in the early winter months, the desert test area was green and lush with growing (green) vegetation. Much of the desert pavement areas were sprouting a thin layer of grass and other small vegetation. The larger vegetation types were just beginning to enter the full bloom period and were vigorously growing. Over the course of the 45-day data collection period, the desert reached its peak bloom period, then dried out, and the vegetation in the area returned to a dormant (dry) state. The vegetation growing in the desert pavement regions had died back and either withered in place or blown away in the desert winds. The blooms on the larger species present had withered and dropped off, and the vegetation assumed a more dormant state. One rain event (0.26 in. on 27 March) occurred during the period and briefly raised surface soil moisture levels above 10 percent. The vegetation in the area began to die back after this rain; by the end of the data collection period, the vegetation resembled a typical desert area. During the Yuma 1 exercise, WES collected significant amounts of data. This data included surface temperature data at two sites consisting of 12 sensors sampling at 5-min intervals for 45 days, and background feature temperature data at two sites consisting of 8 sensors sampling at 5-min intervals for 45 days. WES also collected daily soil moisture data at each of six sites, as well as survey data locating the exact position of over 1,900 plants, several fiducial points (large orange panels, radar reflectors, and propane burners), and the instrumentation deployed for the exercise.

Temperature Data

Temperature data collected at four sites are presented below. Two of these sites collected surface temperature data at 12 locations (using eight thermistors and four staring radiometers). The remaining two sites collected apparent temperature data for eight features using staring radiometers.

Surface temperature data

At Site B, the surface temperature varied from a minimum of 8.84 °C to a maximum of 61.93 °C. At Site E, the surface temperature varied from a minimum of 8.14 °C to a maximum of 57.23 °C. These data were plotted daily. An example of this is shown in Figure 18; a complete set of these plots is included in Appendix D. One interesting note is that at Site E, Thermistor 1 was placed on the west side of the ridge, and this site received shading (because of the ridge) during the early morning hours.

Apparent temperature data

The range of apparent temperatures for Site B-C-D as measured by WES sensors is presented in Tables 7 and 8. Data are plotted to produce a daily summary. An example is shown in Figure 19; a complete set of these plots is included in Appendix E.

Soil moisture data

Soil moisture data for the six SWOE sites are summarized in Table 9. Three different sampling techniques were used to measure the soil moisture. Overall soil moistures were very low (<10 percent) except for immediately following the one rain event that occurred on 27 March. Additional moisture samples were collected on that day after the rain event. This set of moisture samples peaked at or about 10 percent for readings taken using the Speedy and the oven method at most sites. The Troxler reading peaked slightly lower, but this is due to the Troxler's sampling a very small volume of soil very near the soil surface. These data are shown in the vertical line on sample day 12 in Figures 20-25. This series of figures also graphically presents the time series data collected at each of the sites. The maximum, minimum, and average soil moistures for each of the sites are presented in Table 9. Complete data listings are included in Appendix F.

Other Environmental Data

Data on geometric measurements of several representative trees and shrubs, locations of plants in the study area, supplementary meteorological data, locations of all the instrumentation and fiducial arrays, and microgeometry data of four representative locations in the East and West Areas, as well as small plant densities at each of these locations, were also collected. These data are presented below.

Table 7
Range of Apparent Temperatures (°C) at Site B

| Description | Minimum | Maximum |
|-------------------|---------|---------|
| Grass (1) | 5.20 | 46.64 |
| Brittle bush | 4.63 | 38.53 |
| Sandy wash | 4.56 | 61.32 |
| Grass (2) | 5.56 | 52.99 |
| Creosote bush (1) | 4.41 | 38.60 |
| Soil wash | 2.89 | 59.55 |
| Creosote bush (2) | 5.71 | 41.59 |
| Dead log | 0.00 | 63.05 |

Table 8
Range of Apparent Temperatures (°C) at Site D

| Description | Minimum | Maximum |
|--------------------|---------|---------|
| Creosote bush | 5.57 | 46.41 |
| Brittle bush | 3.11 | 36.50 |
| Anderson lycium | 5.10 | 40.75 |
| Desert sage | 4.24 | 45.88 |
| Tar bush | 4.33 | 45.03 |
| White bur sage | 6.34 | 45.55 |
| Grass/rock mixture | 5.84 | 48.88 |
| Rocky wash | 6.25 | 56.12 |

Plant characterization data

WES surveyed, measured, and identified over 1,800 trees and bushes within the SWOE study area. Of these plants measured, 51.5 percent of the population were creosote bushes and 40.2 percent were a type of sagebush. Various other tree types (catclaws, paloverde, and mesquite) accounted for only 2.2 percent of the population. The plant population distribution is presented in Figure 26. There was one saguaro cactus in the study area. When examined on the basis of area covered, creosote bushes accounted for 52.9 percent of the area covered and sages 14.7 percent. Various trees accounted for 24.5 percent of the vegetated area. A graph of plant coverage is shown in Figure 27. Data on the plant locations, sizes, and species are included in Appendix G.

Table 9
Range of Soil Moisture Conditions

| Site | Soil Moisture | Troxler, % Wet Weight | Speedy, % Wet Weight | Oven, % Wet Weight |
|------|---------------|-----------------------|----------------------|--------------------|
| A | Minimum | 0.4 | 1.1 | 1.8 |
| | Maximum | 9.8 | 11.4 | 13.0 |
| | Average | 2.5 | 3.1 | 3.6 |
| B | Minimum | 0.2 | 0.4 | 0.6 |
| | Maximum | 4.2 | 8.2 | 8.8 |
| | Average | 1.2 | 1.4 | 1.7 |
| C | Minimum | 0.6 | 0.9 | 0.0 |
| | Maximum | 4.4 | 13.1 | 11.9 |
| | Average | 1.6 | 2.3 | 2.7 |
| D | Minimum | 0.2 | 0.6 | 0.7 |
| | Maximum | 4.9 | 11.6 | 12.0 |
| | Average | 1.2 | 1.8 | 2.1 |
| E | Minimum | 0.4 | 0.8 | 0.7 |
| | Maximum | 6.2 | 11.1 | 12.9 |
| | Average | 2.0 | 2.6 | 3.2 |
| F | Minimum | 0.0 | 0.3 | 0.7 |
| | Maximum | 6.2 | 10.1 | 9.9 |
| | Average | 1.0 | 1.7 | 2.0 |

Instrumentation survey data

A plot of the instrumentation and areas of interest is shown in Figure 1. WES used a combination of GPS survey and terrestrial survey techniques to establish local control and survey points. Data are presented in Appendix H.

Microgeometry data

Microgeometry measured at each of four representative areas are described in Table 10. Figure 28 shows the 100- by 100-cm sampling array. Results of the microgeometry measurements are included in Appendix I. The data in this appendix are the distances from the grid to the surface. Figures 29-36 show each of the areas measured.

Table 10
Locations of Microgeometry Measurements

| Grid Name | East Coordinate | North Coordinate | Terrain Type |
|-------------|-----------------|------------------|--------------------------|
| East Grid 1 | 756352.6 | 3650872.9 | Secondary wash |
| East Grid 2 | 756372.3 | 3650835.0 | Vegetated secondary wash |
| East Grid 3 | 756446.6 | 3650808.4 | Desert pavement |
| East Grid 4 | 756392.6 | 3650836.8 | Primary wash |
| West Grid 1 | 756049.5 | 3650855.0 | Bare soil |
| West Grid 2 | 756069.3 | 3650848.4 | Grassy area |
| West Grid 3 | 756059.0 | 3650832.6 | Desert pavement |
| West Grid 4 | 756084.7 | 3650837.3 | Secondary wash |

Small plant density data

Small plant density data were also collected at each of the eight locations where microgeometry was measured. Table 11 presents this data. These plants counted were primarily small grasses and weeds and were typically 3 to 5 cm high. East Grid 4 was located in the primary wash, and no vegetation could grow in this region. Also, no vegetation was present in West Grids 1, 3, and 4. At the beginning of the data collection exercise, these areas were probably populated by the small grasses and other vegetation described earlier; but at the time these measurements were taken, the vegetation had completed its life cycle and blown away.

Meteorological data

Air temperature varied from 9.03 to 36.43 °C with an average air temperature of 22.31 °C. Relative humidity varied from 2.99 to 87.88 percent with an average of 24.86 percent. Barometric pressure ranged from 29.03 to 29.58 in. of mercury with an average of 29.22 in. Solar radiation peaked at 1,042 W per square meter. The maximum recorded wind speed was 11.33 m per second with an average wind speed of 2.68 m per second. A total of 0.26 in. of rainfall occurred on 27 March. Daily extremes and means for each of these parameters are shown in Figures 37-41. These data were also plotted to produce daily summaries of the data, an example of which is shown in Figure 42. A complete set of these summaries is included in Appendix J. All data presented here were collected using the WES weather station. These data were not required by the SWOE data collection team.

Table 11
Small Plant Density Data

| Grid Name | Plant Density, stems/m ² |
|-------------|-------------------------------------|
| East Grid 1 | 30 |
| East Grid 2 | 233 |
| East Grid 3 | 10 |
| East Grid 4 | No plants in grid |
| West Grid 1 | No plants in grid |
| West Grid 2 | 386 |
| West Grid 3 | No plants in grid |
| West Grid 4 | No plants in grid |

Image Data

WES collected image data for 106 of the 188 planned SWOE missions. Three periods of 24-hr diurnal data were collected resulting in 20,280 of 21,360 image sets planned. The diurnals were collected on 24 March, 8 April, and 26 April. A typical 1-hr data collection period involved collecting five frames of features either in the West area (Site E-F) or the East area (Site B-C-D) at 12 randomly selected 1-min intervals. A listing of the pointing angles and features is included in Table 12. WES also collected four sets of video data within a field of regard (panoramas) of the entire data collection area. Visual, shortwave (SW) IR, and long wave (LW) IR images of these features are shown in Figures 43-52. A complete analysis of imagery collected is presented by Rivera (1994).

Quality Control and Transfer of WES Data

All WES data received an intensive quality check prior to transfer to the SWOE data management team. Thermal data (surface temperature and feature) were plotted graphically in near real time to monitor sensor output and recorder function. Image data were visually analyzed prior to capture to ensure that the dynamic range was properly set. Survey data were plotted to produce a map of the data collection area and then ground checked to ensure accuracy. Soil moisture data were checked to ensure that the values were consistent and were within the expected range. Thermal data were stored on floppy disks and submitted daily to the SWOE data management team. Image data were stored on 90-megabyte Bernoulli disk and submitted to the SWOE

Table 12
WES Features and Point Angles

| Feature ID | Coordinates | | Relative Angles | | Description |
|------------|-------------|---------|-----------------|-----------|------------------------|
| | East | North | Azimuth | Elevation | |
| West 1 | 756023 | 3650816 | 69.29 | -8.00 | Sloped desert pavement |
| West 2 | 756063 | 3650829 | 72.74 | -9.70 | Flat desert pavement |
| West 3 | 756091 | 3650832 | 75.17 | -10.57 | Catclaw tree |
| West 4 | 756052 | 3650851 | 79.06 | -9.25 | Grassy area |
| West 5 | 756116 | 3650867 | 94.75 | -11.70 | Paloverde tree |
| East 1 | 756366 | 3650820 | -119.29 | -9.10 | Texas sage |
| East 2 | 756352 | 3650822 | -121.43 | -9.22 | Creosote bush |
| East 3 | 756379 | 3650826 | -121.73 | -8.07 | Paloverde bush |
| East 4 | 759336 | 3650819 | -120.81 | -11.06 | Grassy area |
| East 5 | 756363 | 3650839 | -126.99 | -9.10 | Desert sage |

data management team as the disk reached capacity. Survey data were transferred on floppy disk at the conclusion of the data collection exercise. Soil moisture data were recorded on worksheets, and copies were supplied to the SWOE data management team. All data collected during the SWOE Yuma 1 data collection exercise may be obtained by contacting the SWOE JT&E Program Office. WES data may be obtained by contacting WES directly.

4 Summary

The objective of the SWOE Yuma 1 data collection period was to capture the full range of site and environmental conditions prior to, during, and following the “desert bloom” period. Because of ample winter rains in December and January, the desert foliage was greening up at the start of the data collection period. During data collection, conditions changed from emerging young vegetation, to full bloom (green foliage with flowers), to more typical dry brown dormant summer condition. WES collected a variety of environmental data to describe these conditions. The principal data collected were the 20,000+ thermal image data sets on the features in two areas of interest and thermal data at four locations (surface temperature and feature temperature) for 45 days at a rate of 1 record per 5-min interval (12,960 data records per site). WES also collected daily soil moisture data at each of the six sites using three different techniques. In addition, WES surveyed and measured the geometry of numerous trees, bushes, and shrubs. WES also surveyed the locations of the instrumentation arrays and supplemental elevation points within the site. Data obtained were transferred to the SWOE JT&E Program Office and will be used for validation of the SWOE scene generation process.

References

- Ballard, J. R., Jr. (1994). "Yuma 1 information base for generation of synthetic thermal scenes," Technical Report prepared by the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, for the Smart Weapons Operability Joint Test and Evaluation Program Office, Hanover, NH.
- Rivera, S., Jr. (1994). "Analysis of thermal imagery collected at Yuma 1, Yuma, Arizona," Technical Report prepared by the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, for the Smart Weapons Operability Joint Test and Evaluation Program Office, Hanover, NH.
- Sabol, B., Berry, T., Blount, C., and Carnes, B. (1989). "Environmental site characterization for the Wide Area Mine (WAM) Sensor Demonstration, Yuma Proving Ground - August 1989," Miscellaneous Paper EL-89-7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Turner, R. E. (1985). "Thermophysical properties of natural surface materials," Interim Report, Science Applications International Corporation, Dayton, OH.
- _____. (1986). "Emissivity models of natural surface materials," Final Report, Science Applications International Corporation, Dayton, OH.

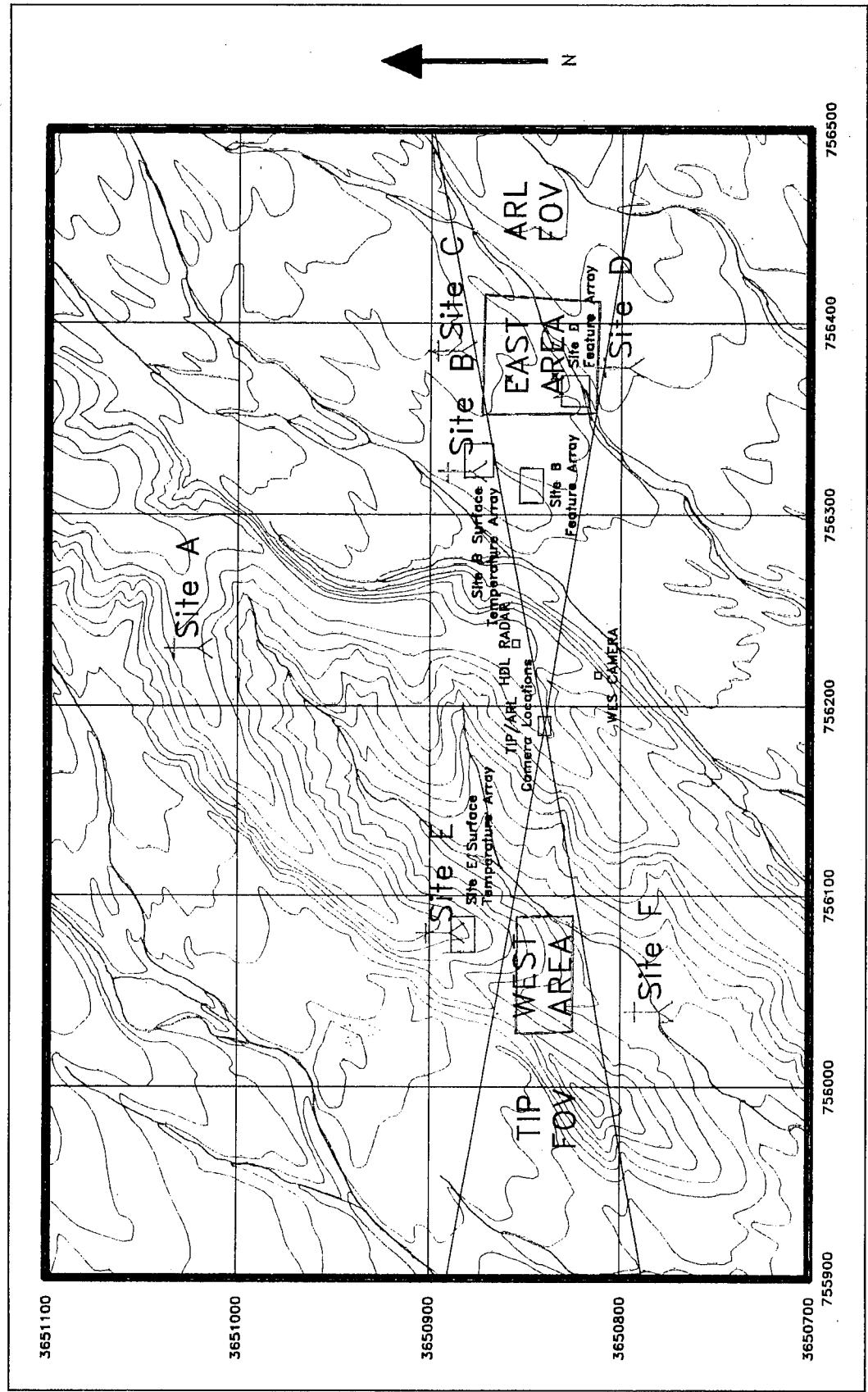


Figure 1. SWOE Yuma 1 site map



Figure 2. Site B thermal array, 15 March 1993

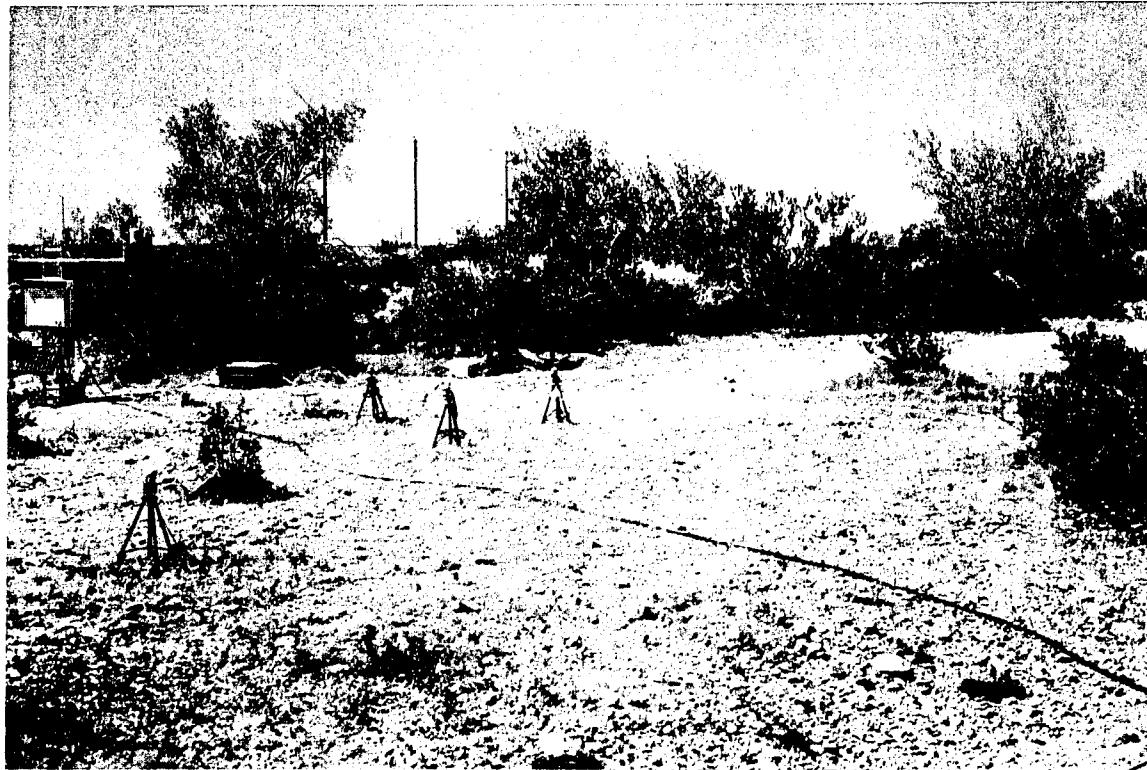


Figure 3. Site B thermal array, 30 April 1993



Figure 4. Site E thermal array, 15 March 1993



Figure 5. Site E thermal array, 30 April 1993



Figure 6. Site B feature array, 15 March 1993



Figure 7. Site B feature array, 30 April 1993



Figure 8. Site D feature array, 15 March 1993



Figure 9. Site D feature array, 30 April 1993



Figure 10. Troxler thin layer density gauge



Figure 11. Speedy soil moisture gauge

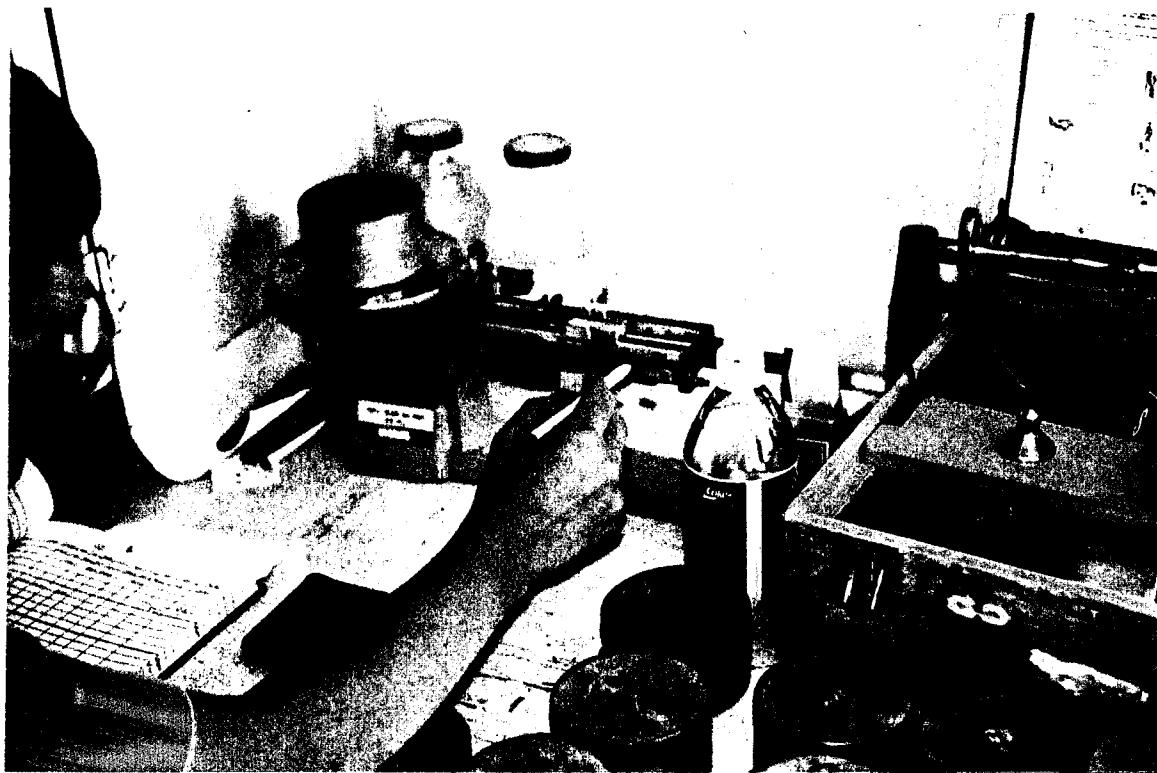


Figure 12. Determining soil moisture using an oven dry technique

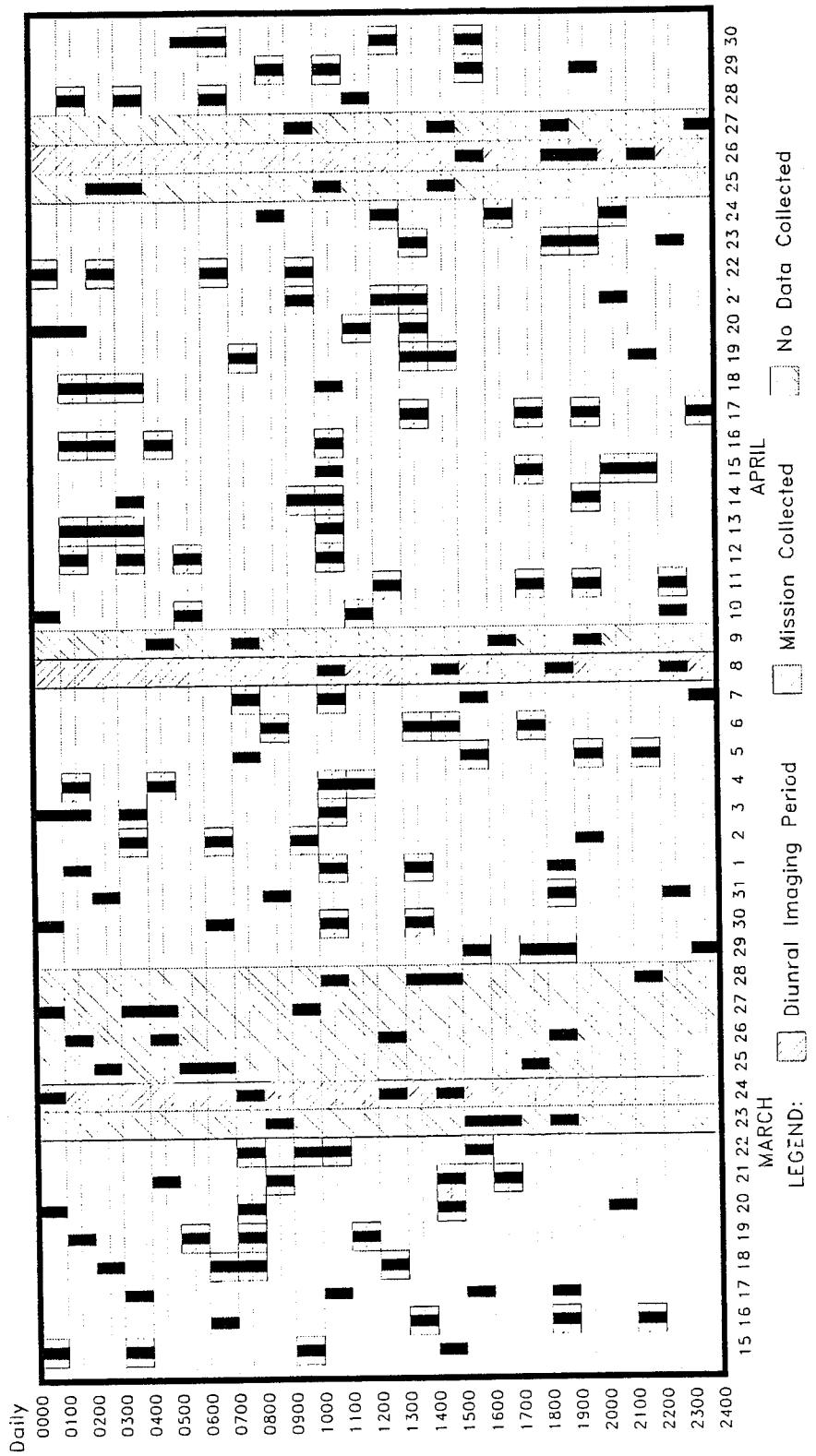


Figure 13. WES imaging schedule

Figure 14. Agema 900 long wave scanner

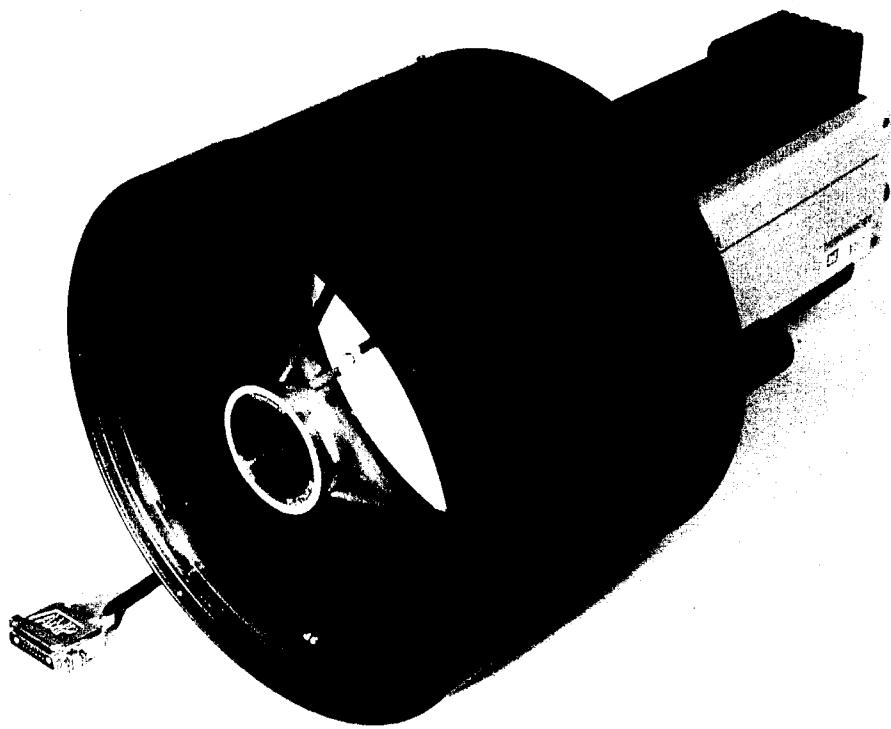


Figure 14. Agema 900 long wave scanner



Figure 15. Agema 900 shortwave scanner

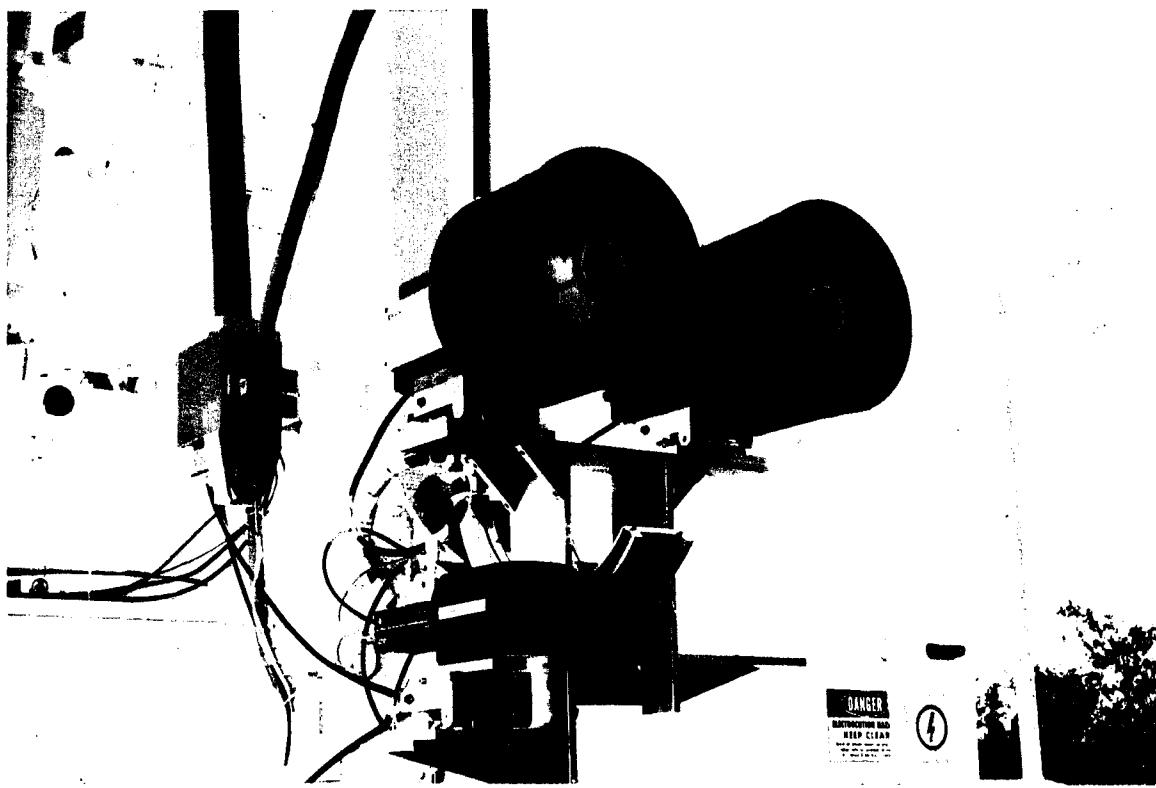


Figure 16. WES computer-controlled camera mount

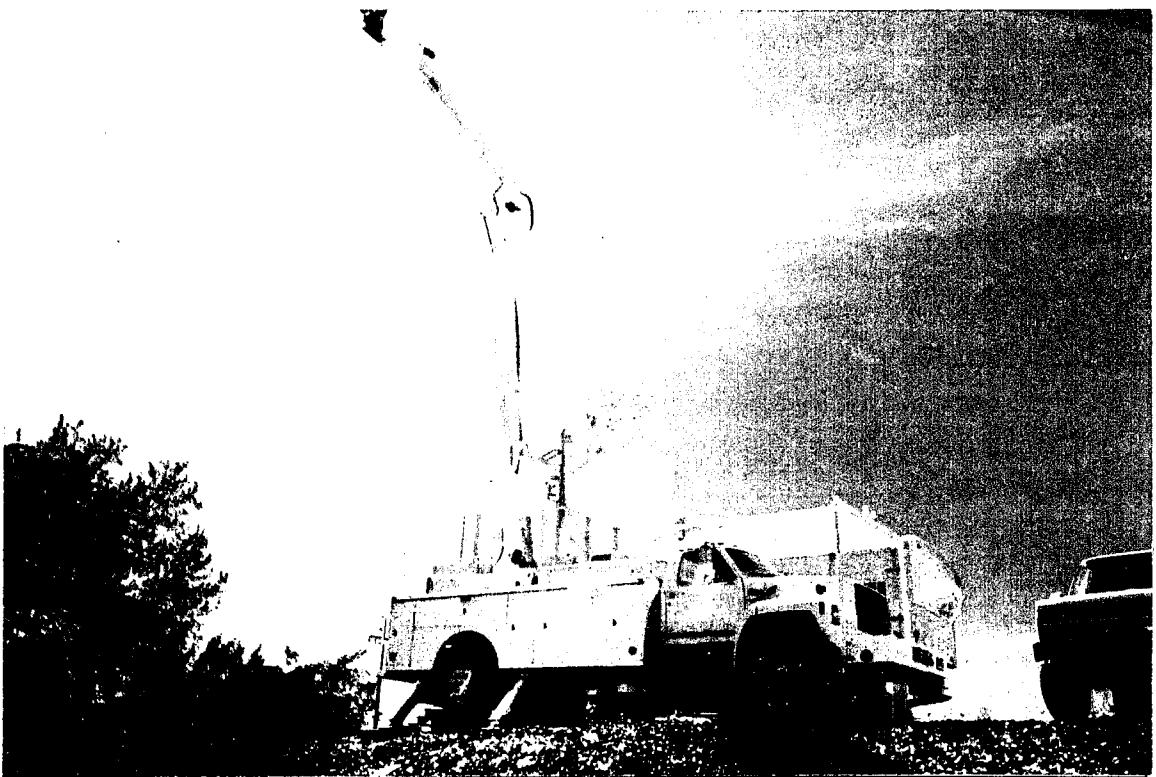


Figure 17. WES boom truck

Thermal Data

THUR 18 MAR 93

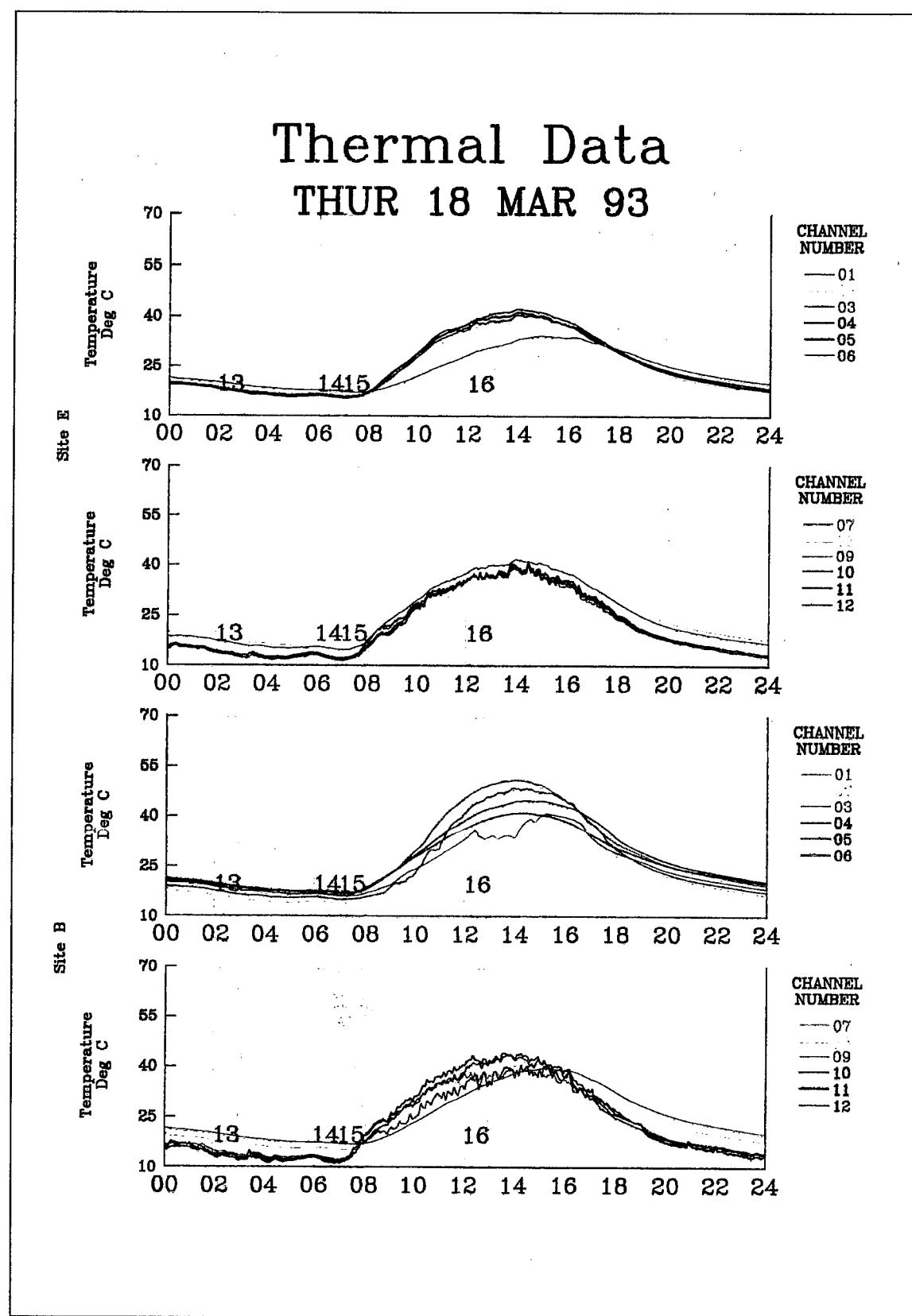


Figure 18. Sample daily thermal data plot

Apparent Temperature

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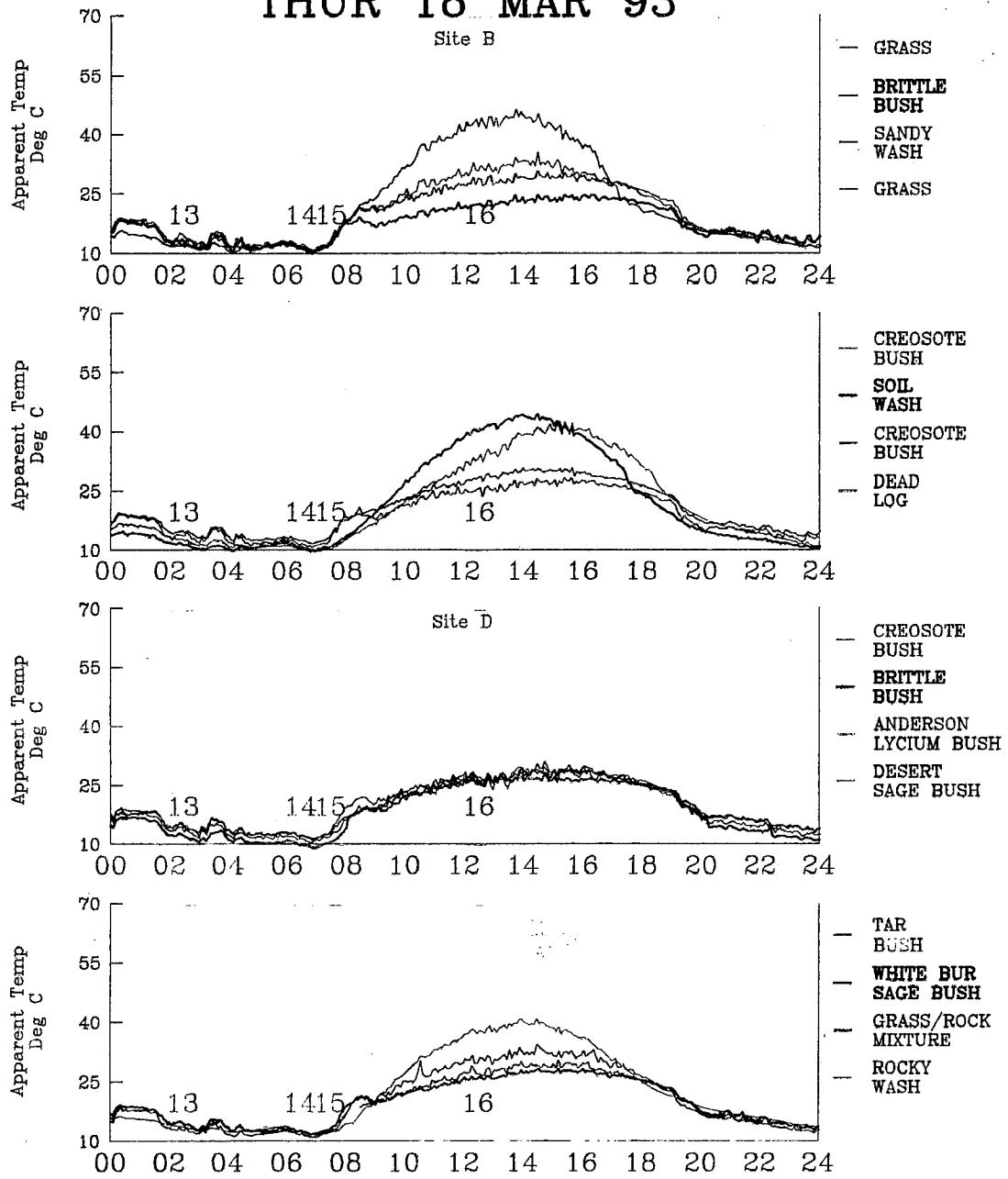


Figure 19. Sample daily apparent temperature data plot

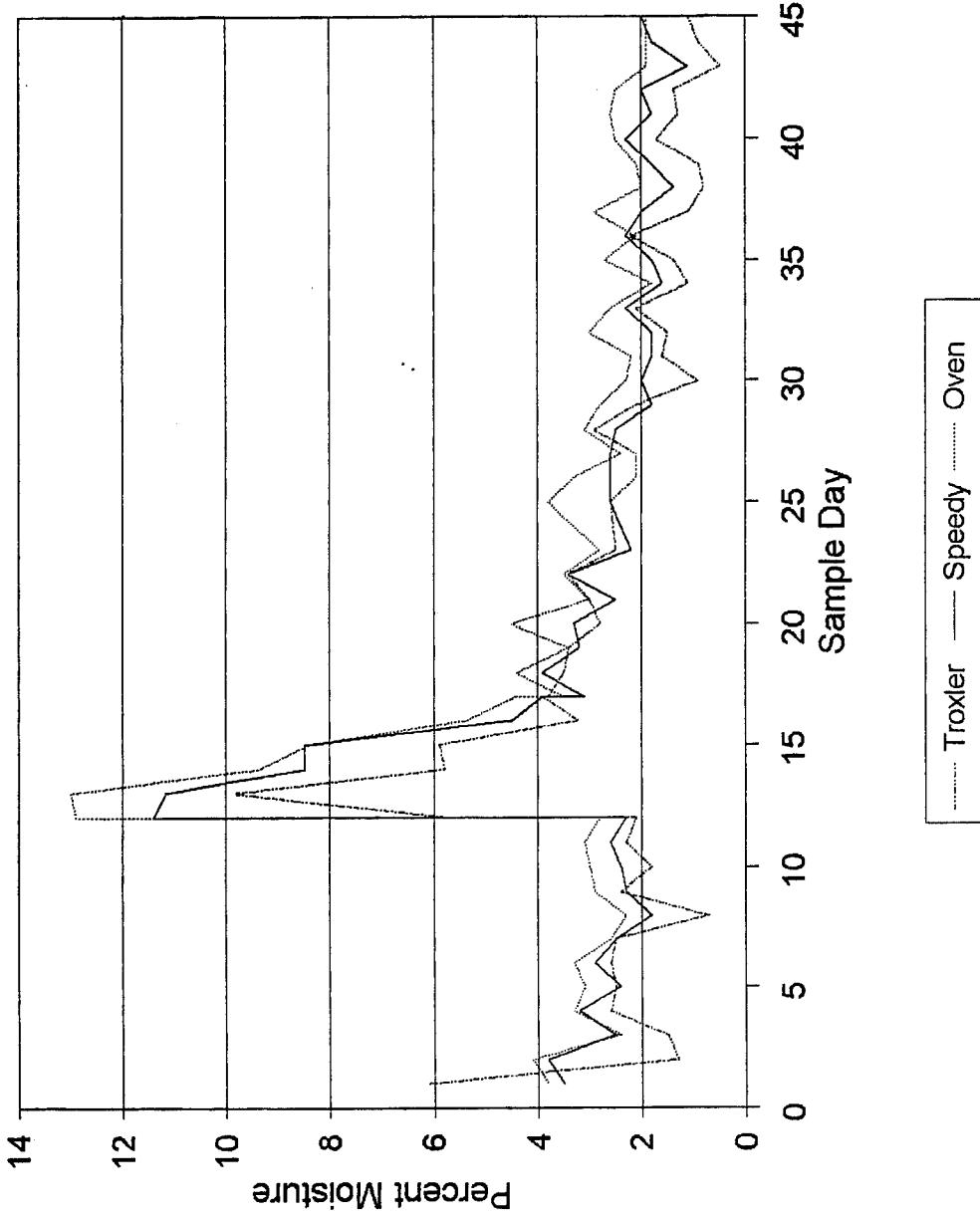


Figure 20. Daily soil moisture results for Site A

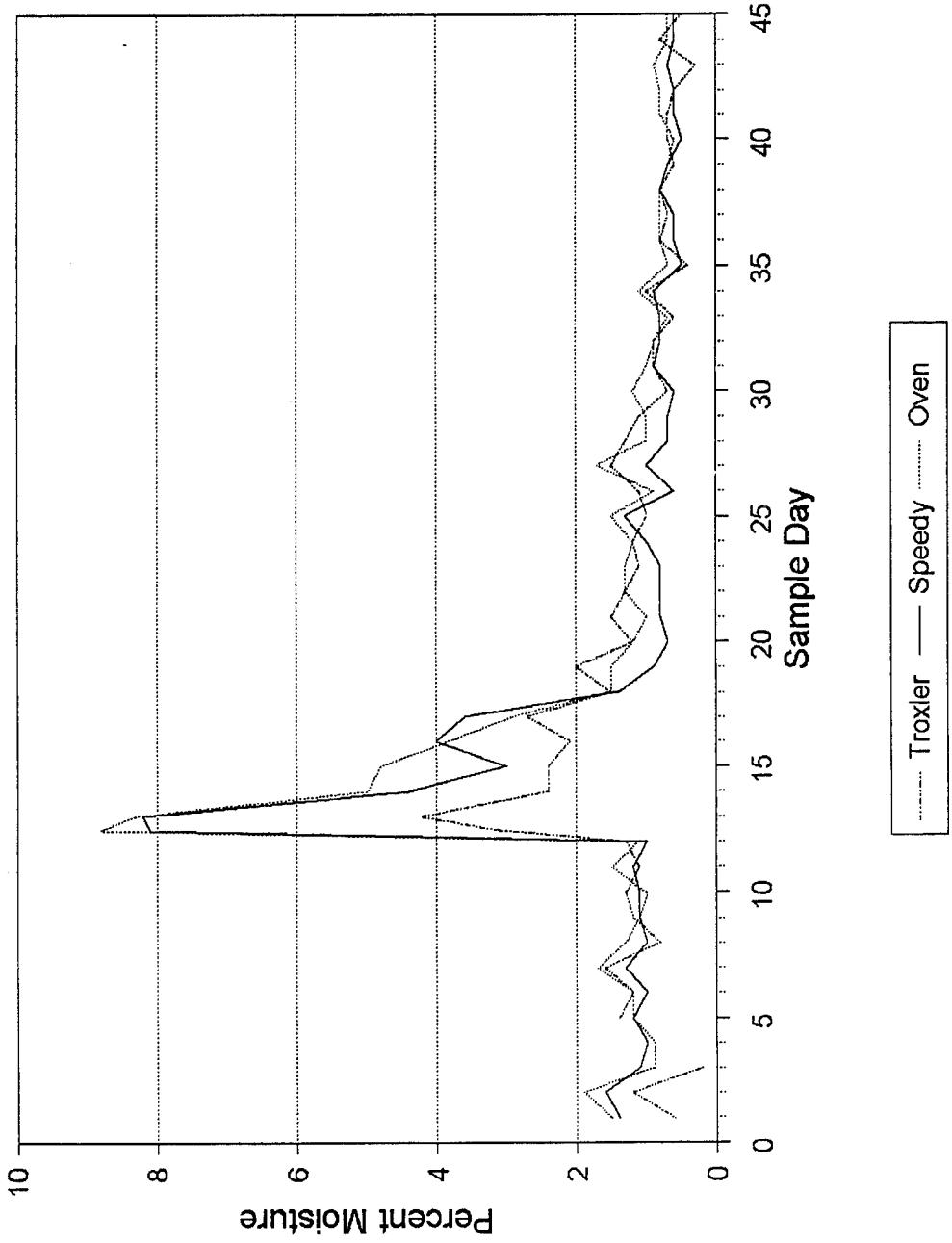


Figure 21. Daily moisture results for Site B

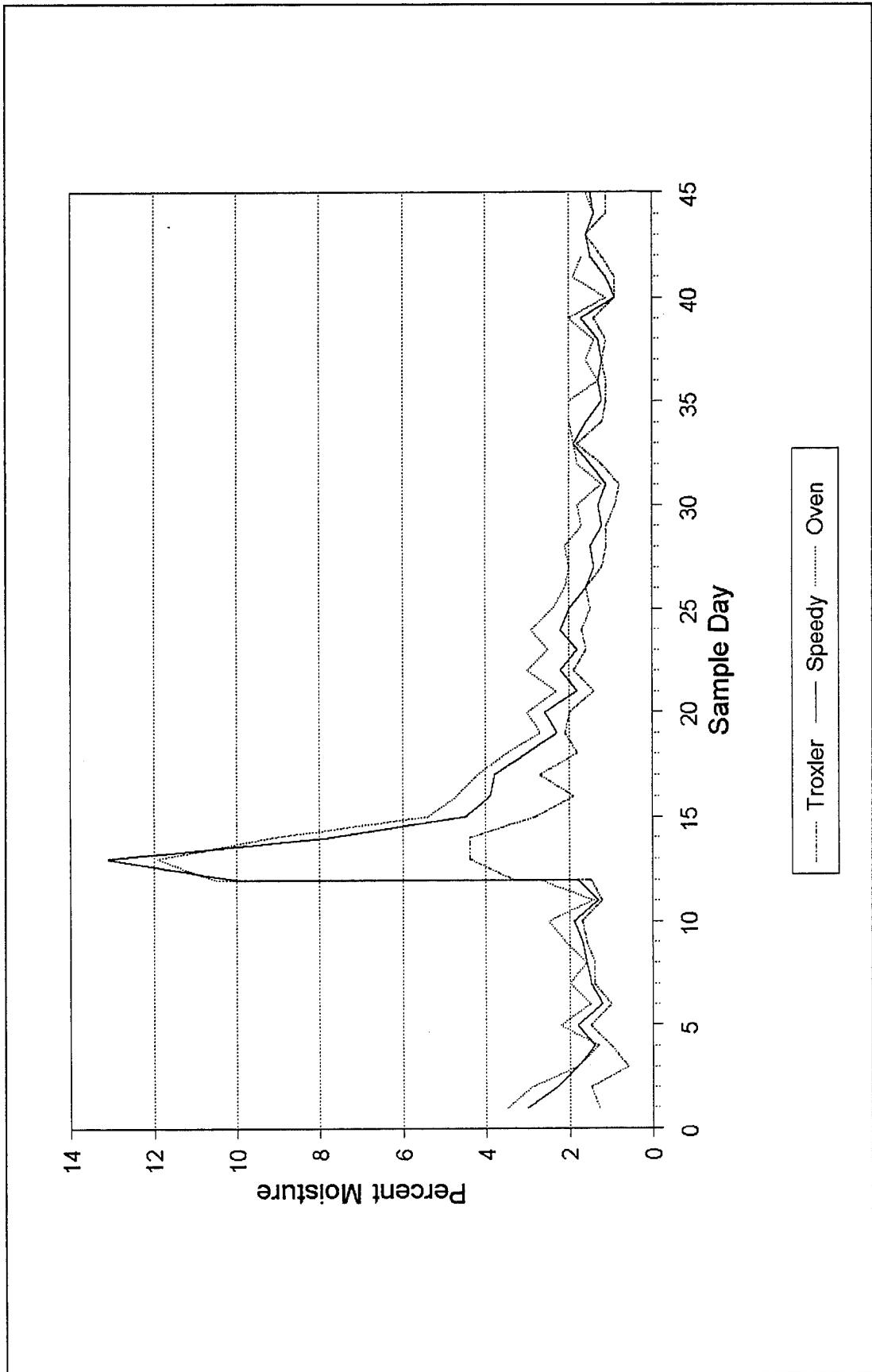


Figure 22. Daily moisture results for Site C

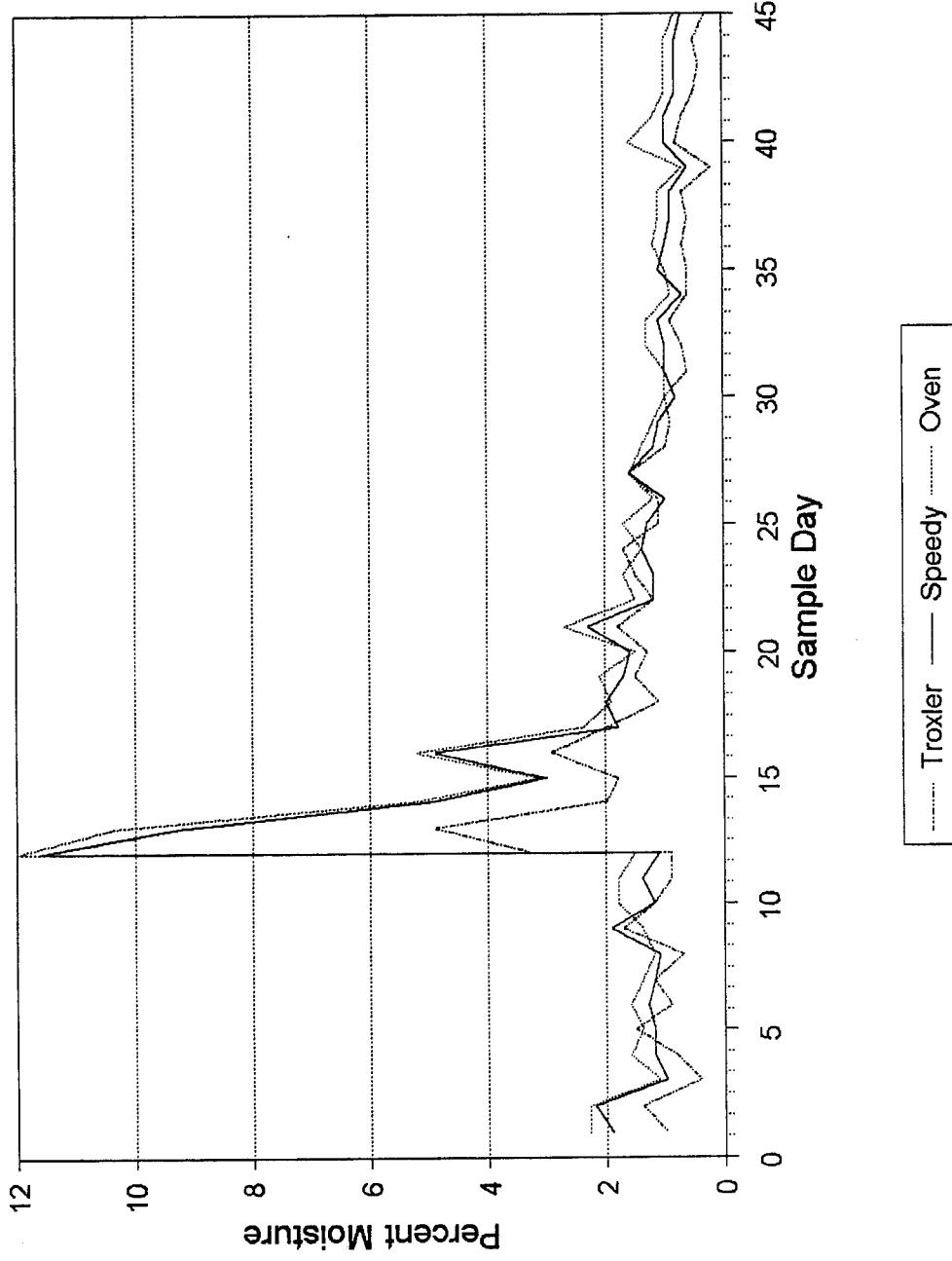


Figure 23. Daily moisture results for Site D

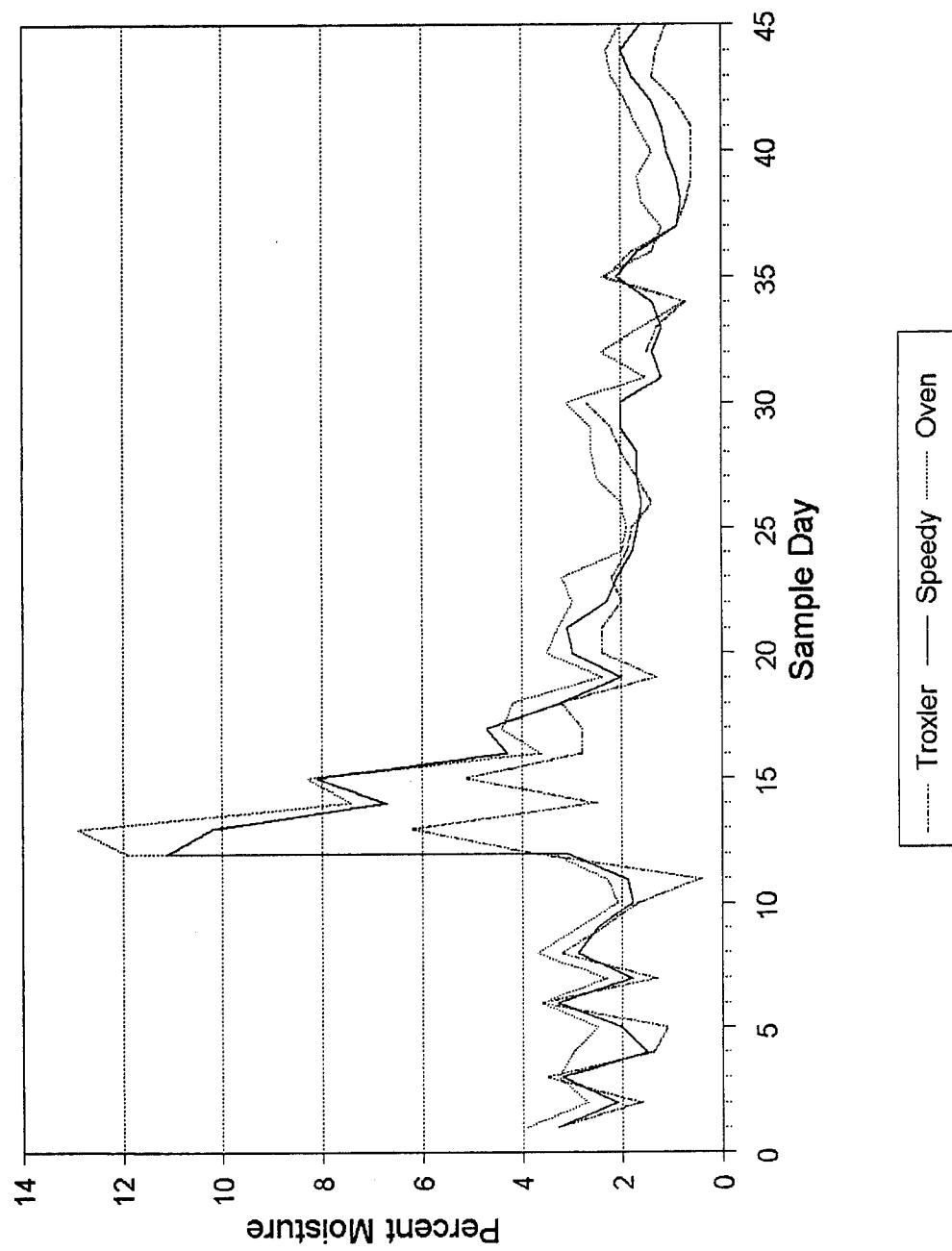


Figure 24. Daily moisture results for Site E

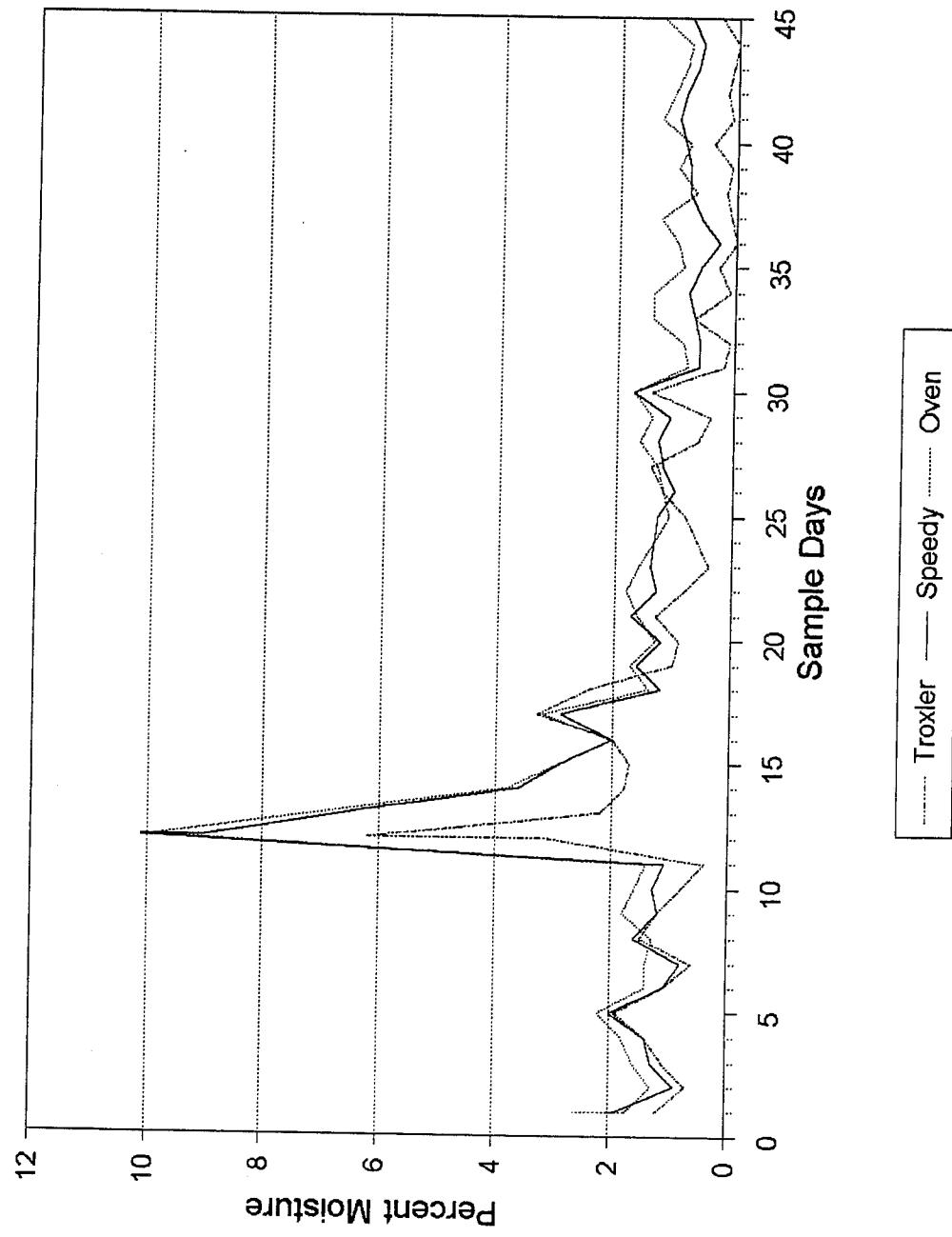


Figure 25. Daily moisture results for Site F

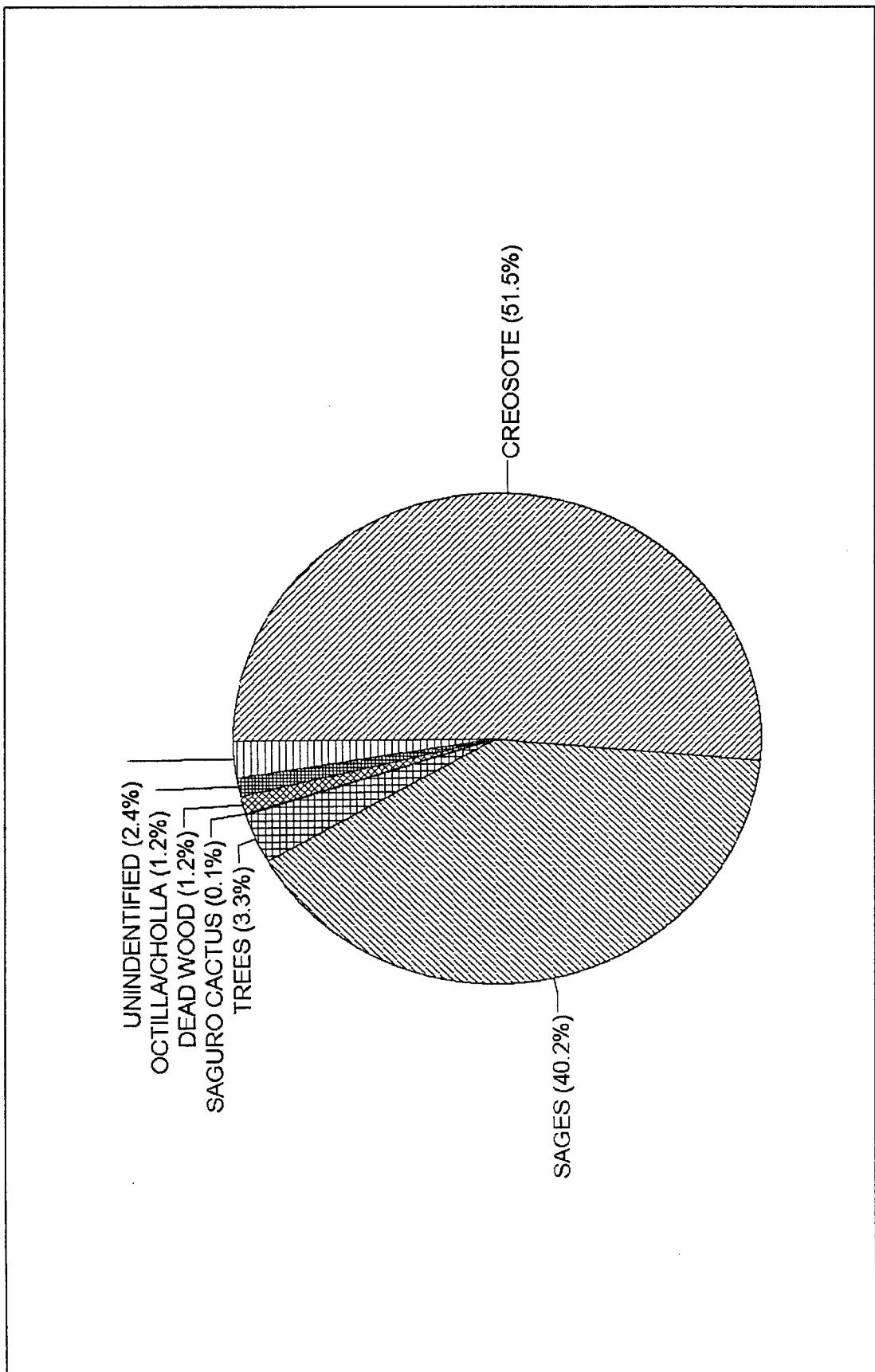


Figure 26. Plant distribution by species

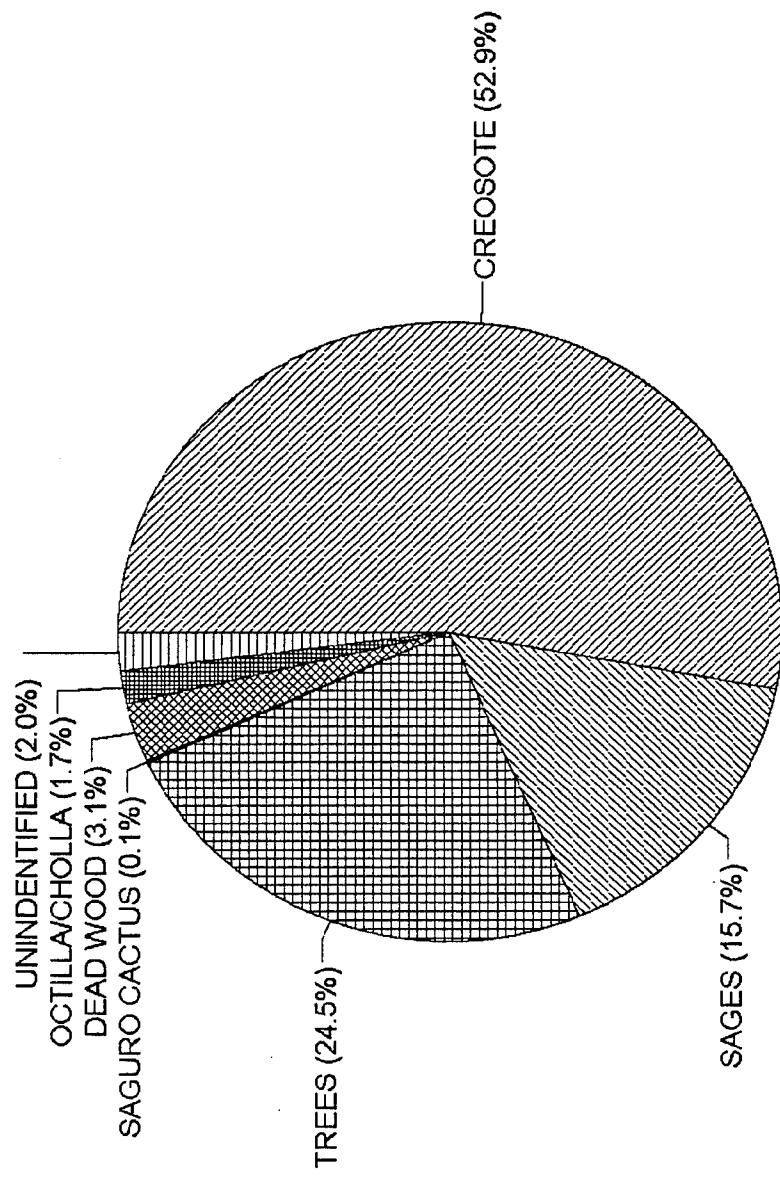


Figure 27. Plant distribution by area covered



Figure 28. Technique for measuring microtopography

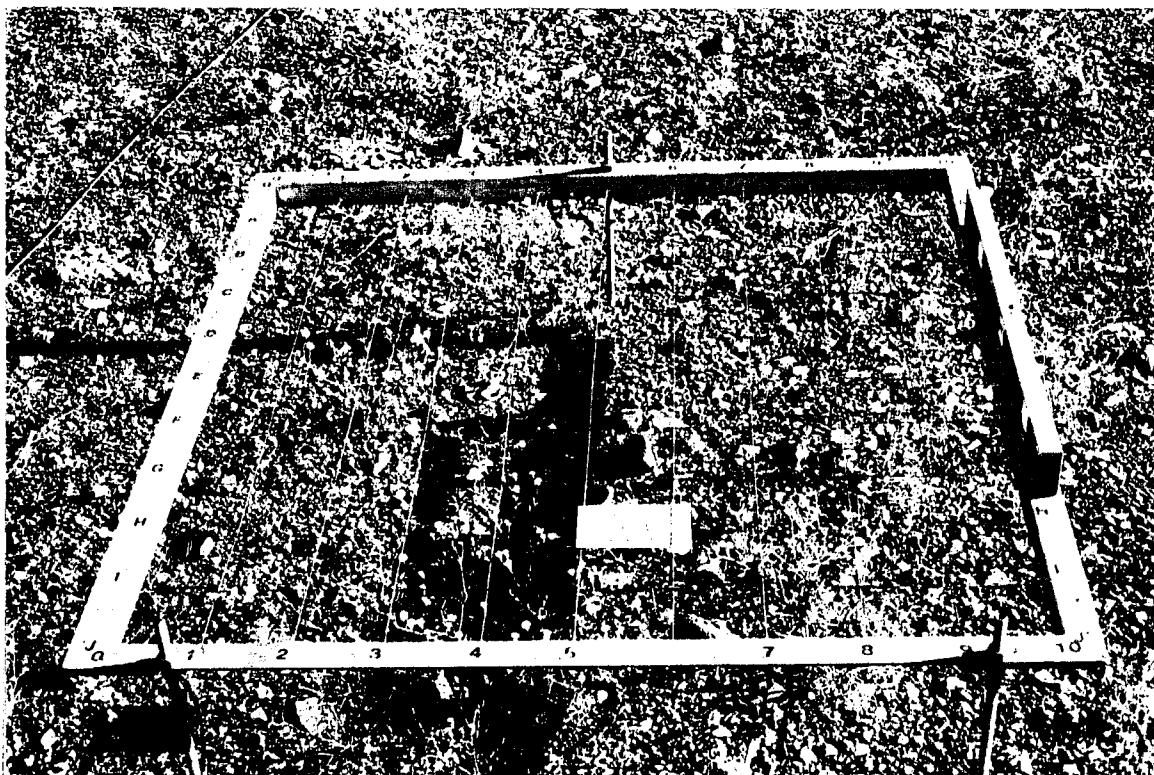


Figure 29. East Grid 1, secondary wash

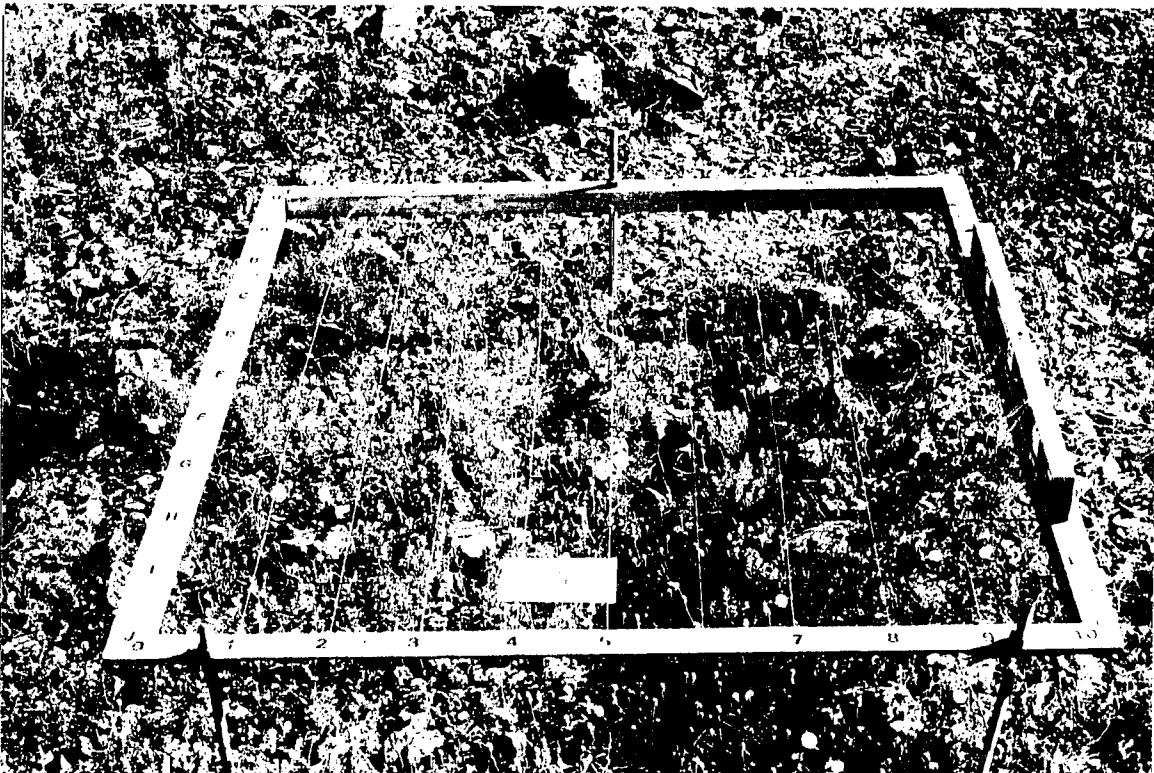


Figure 30. East Grid 2, vegetated secondary wash

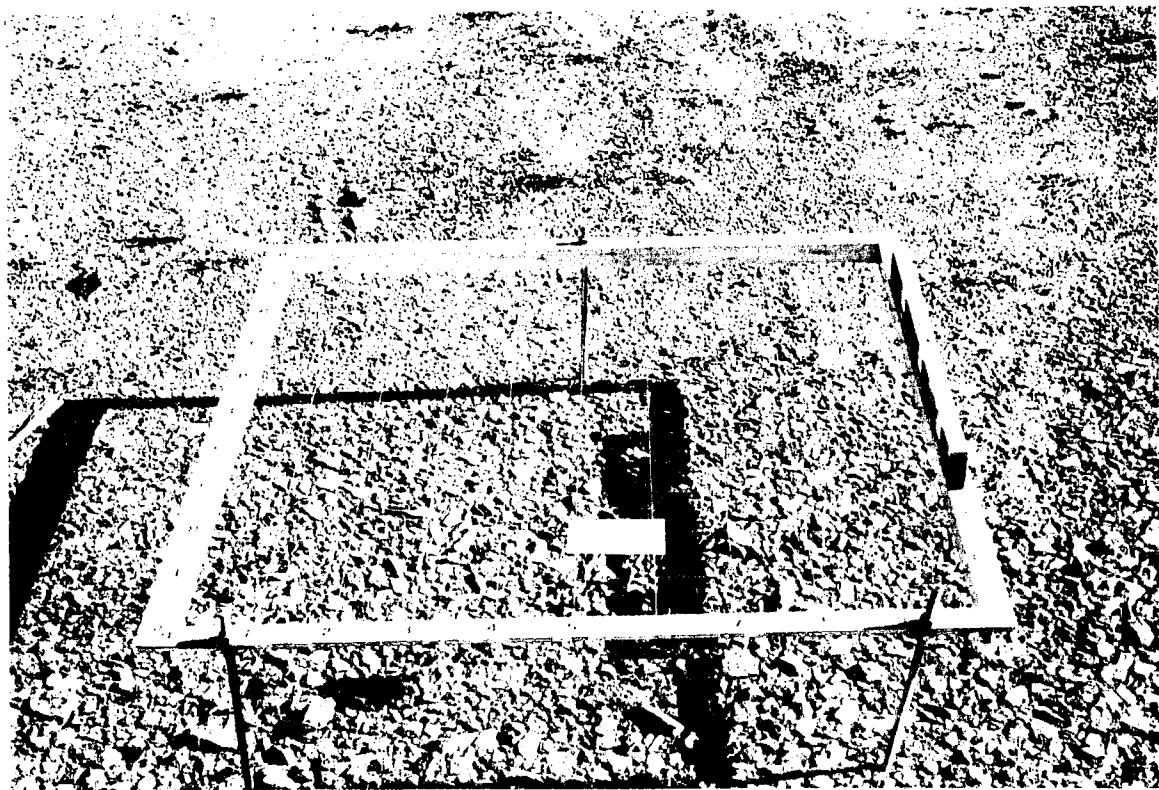


Figure 31. East Grid 3, desert pavement

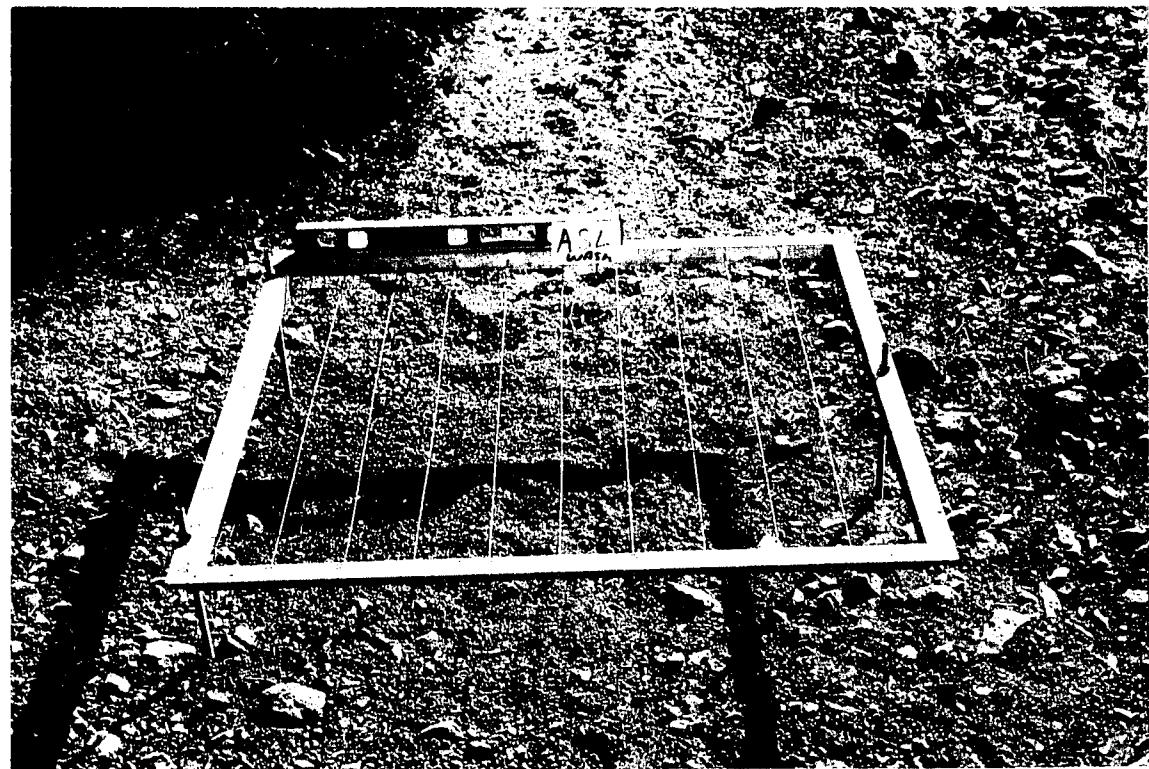


Figure 32. East Grid 4, primary wash

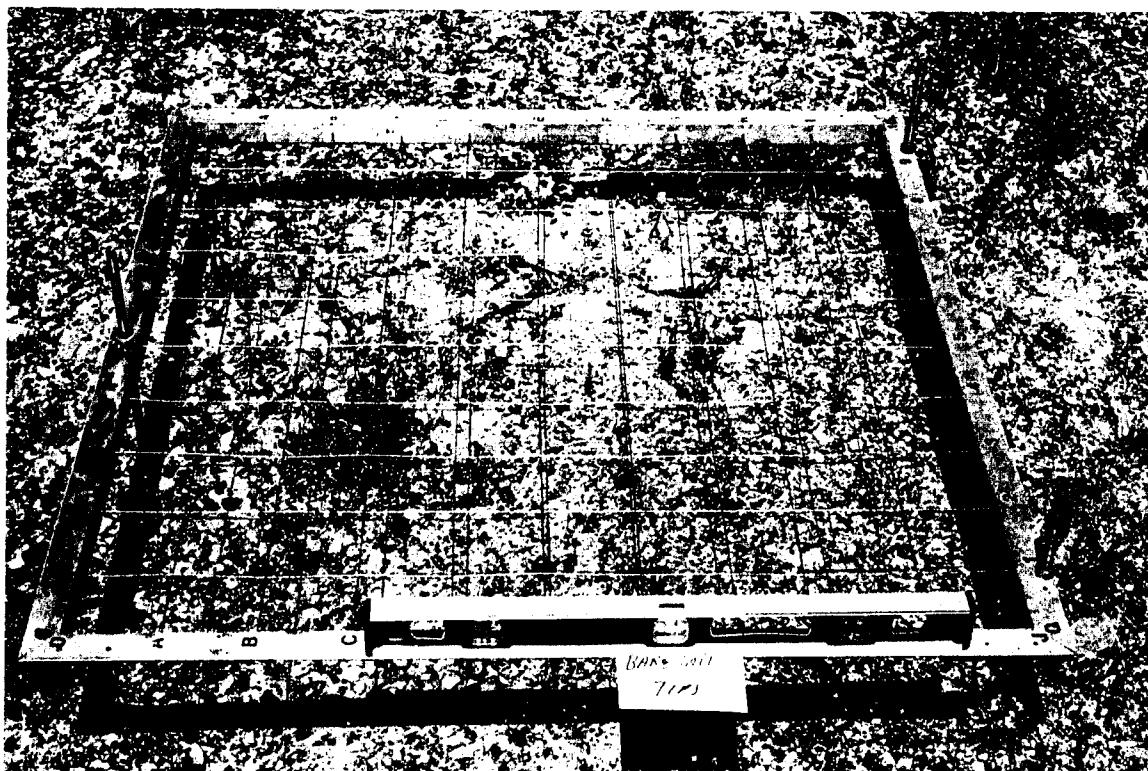


Figure 33. West Grid 1, bare soil

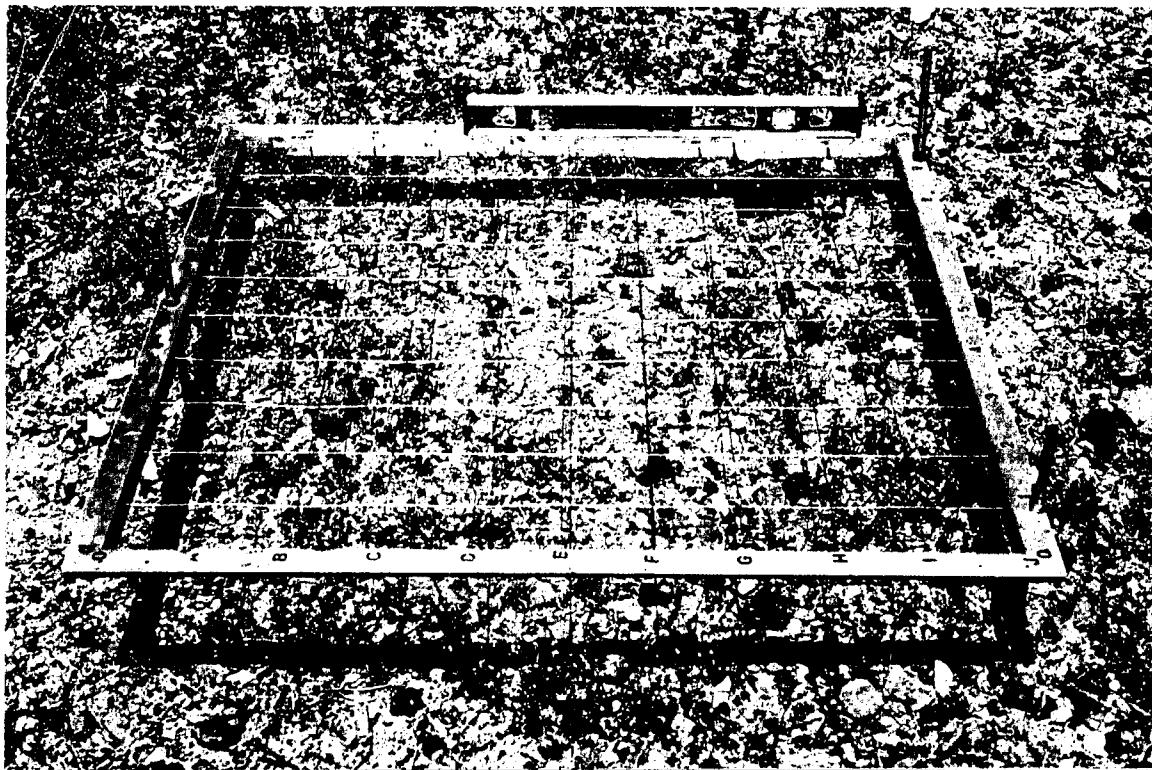


Figure 34. West Grid 2, grassy area

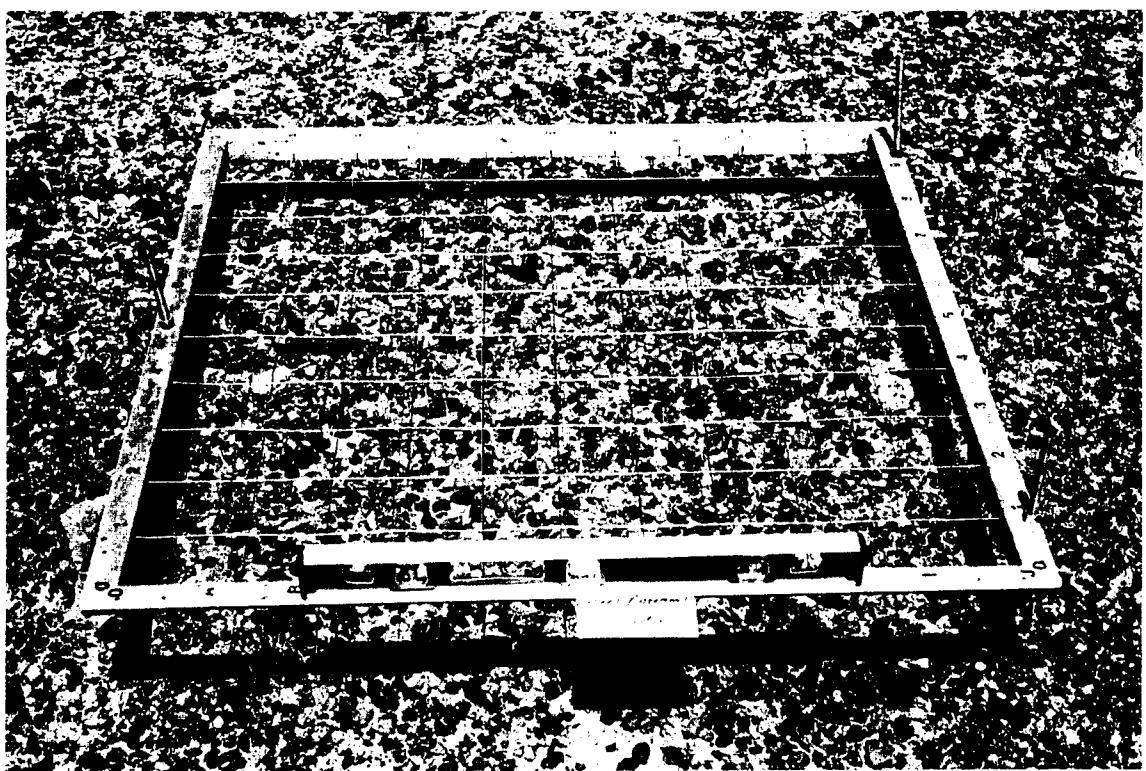


Figure 35. West Grid 3, desert pavement



Figure 36. West Grid 4, primary wash

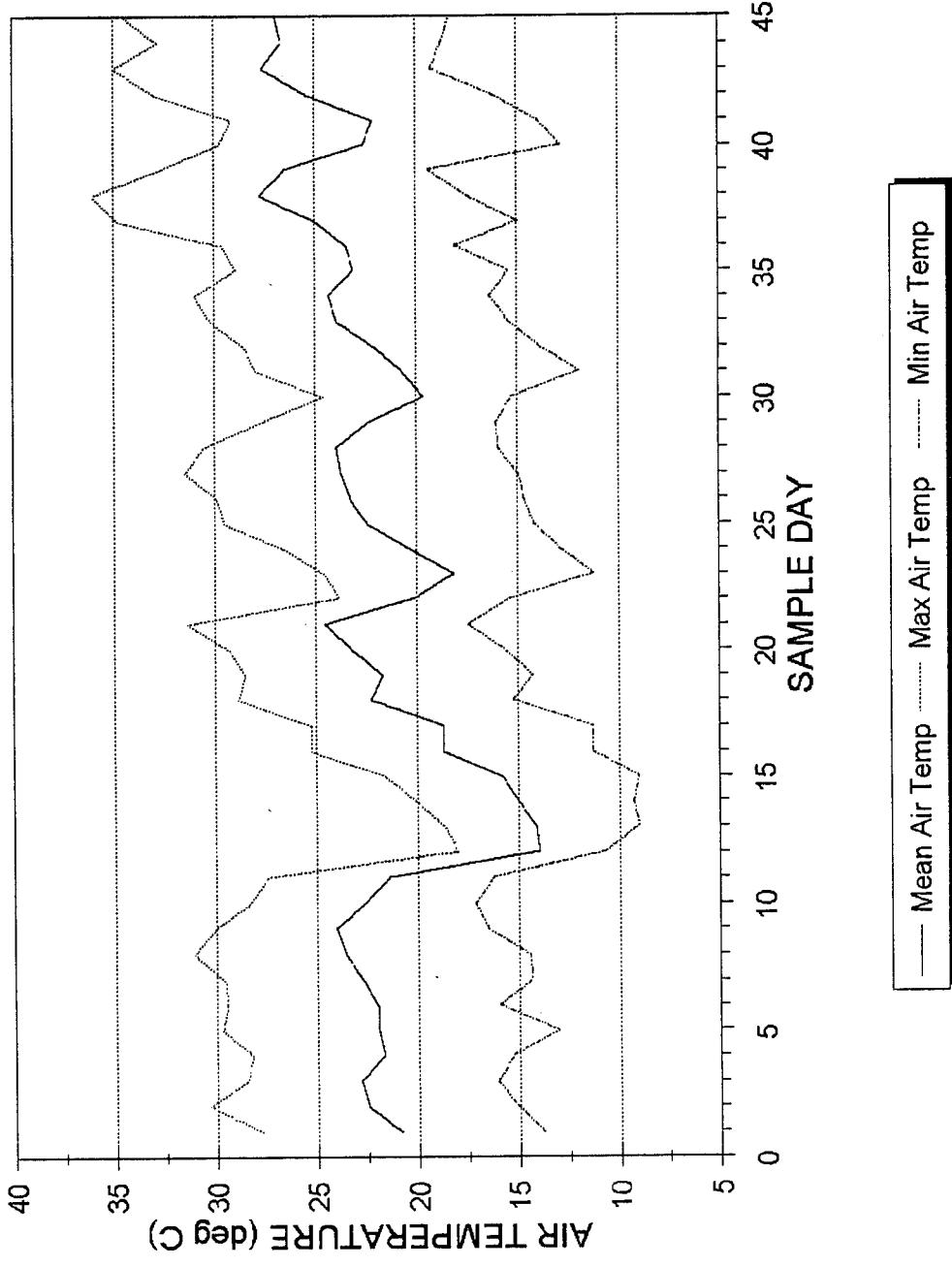


Figure 37. Daily minimum, maximum, and mean air temperature

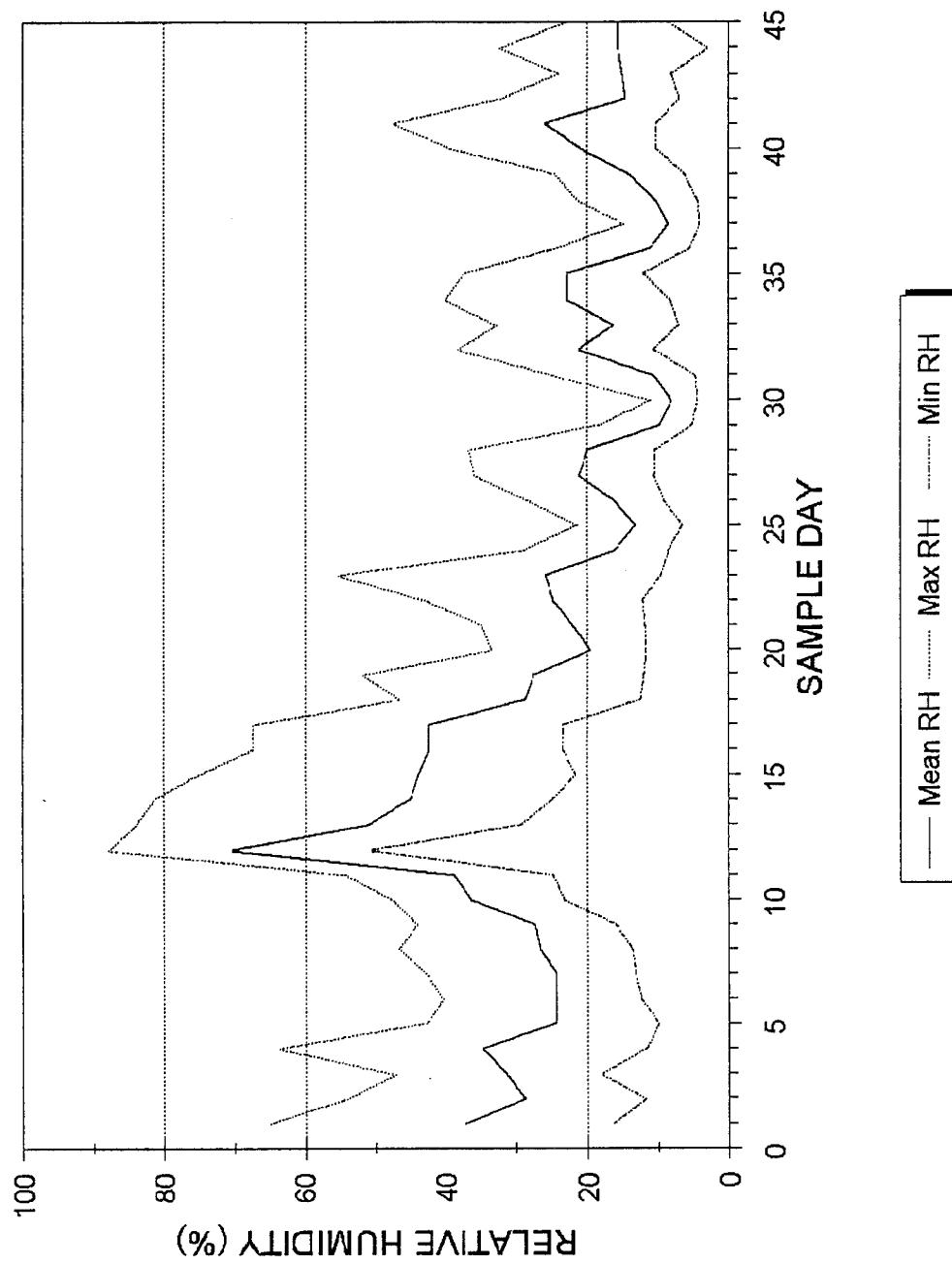


Figure 38. Daily minimum, maximum, and mean relative humidity

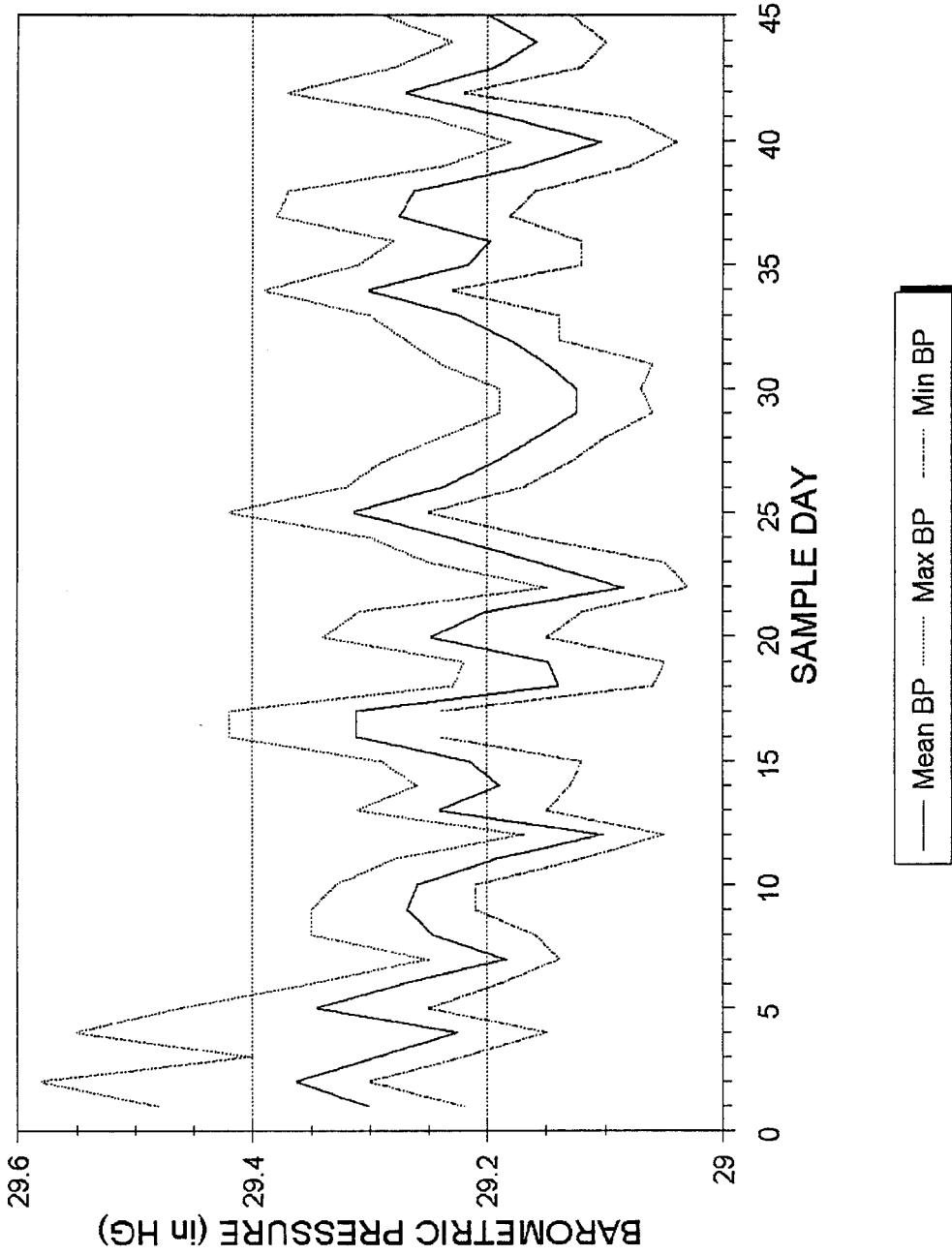


Figure 39. Daily minimum, maximum, and mean barometric pressure

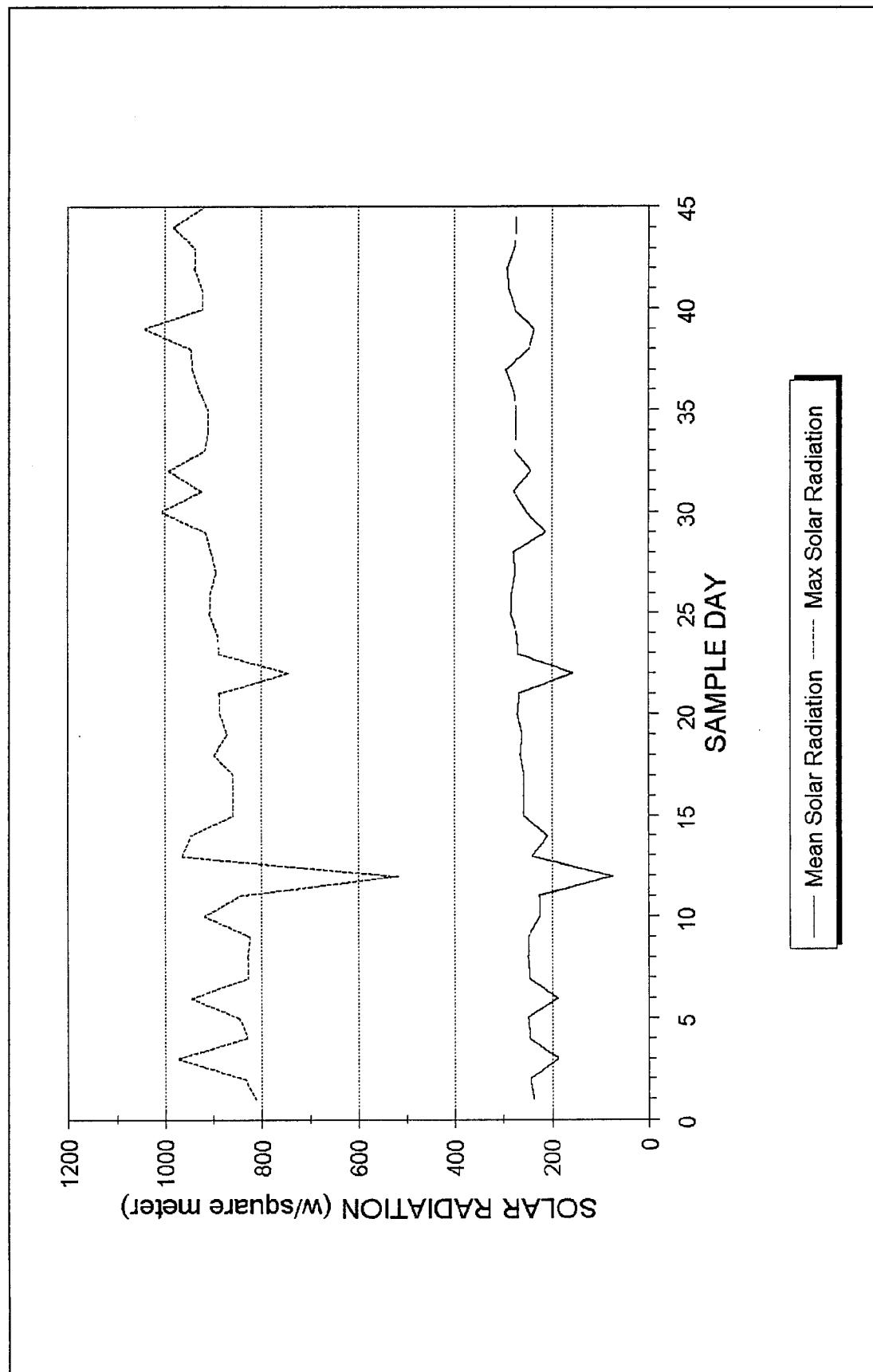


Figure 40. Daily maximum and mean solar radiation

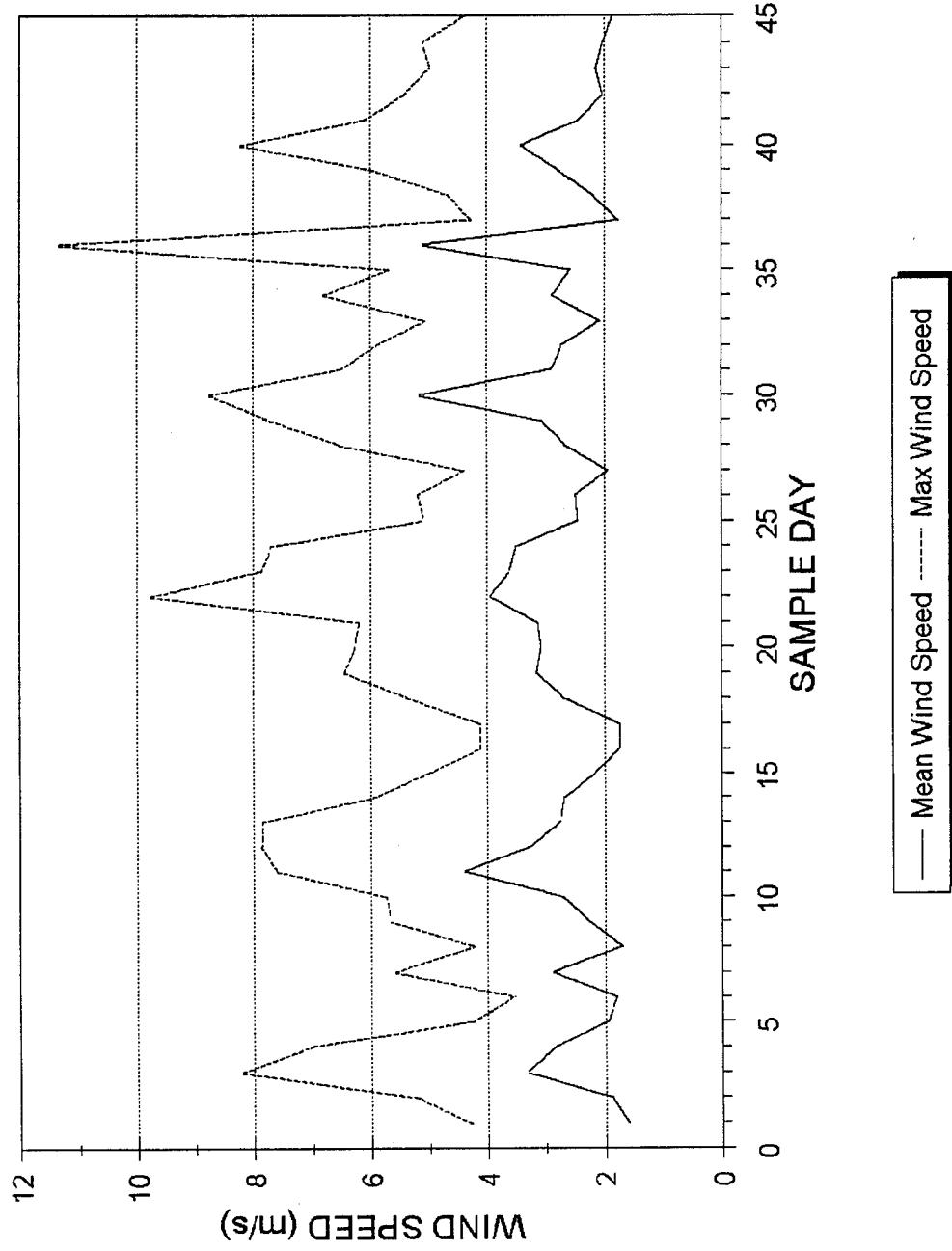


Figure 41. Daily maximum and mean wind speeds

Environmental Summary

THUR 18 MAR 93

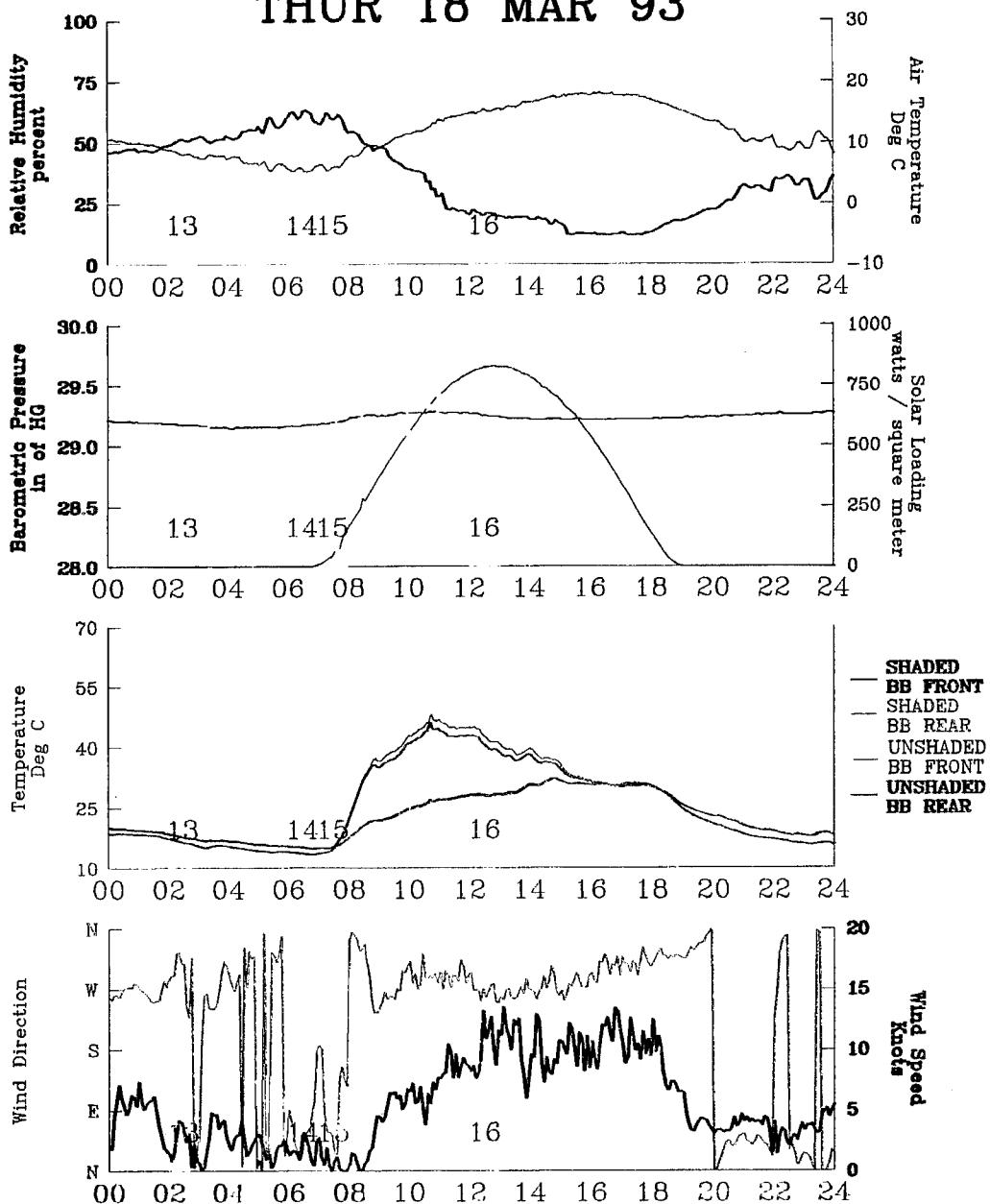
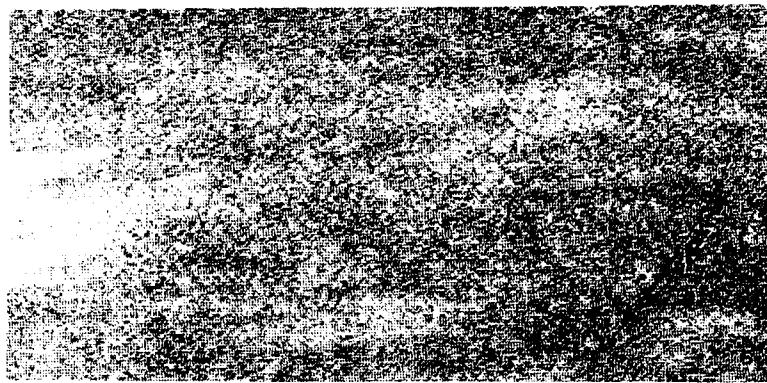
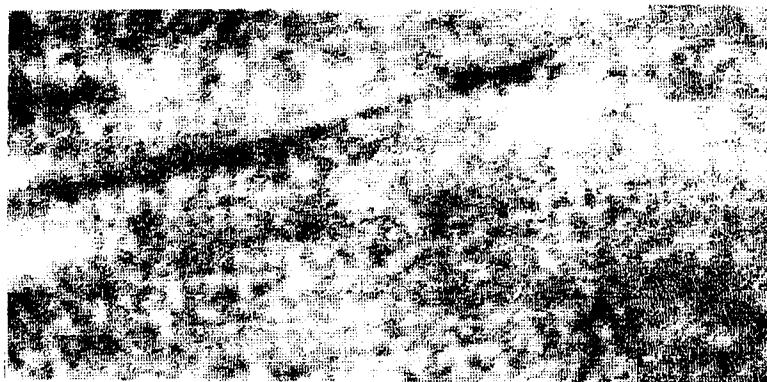


Figure 42. Sample meteorological data summary



SW IR image

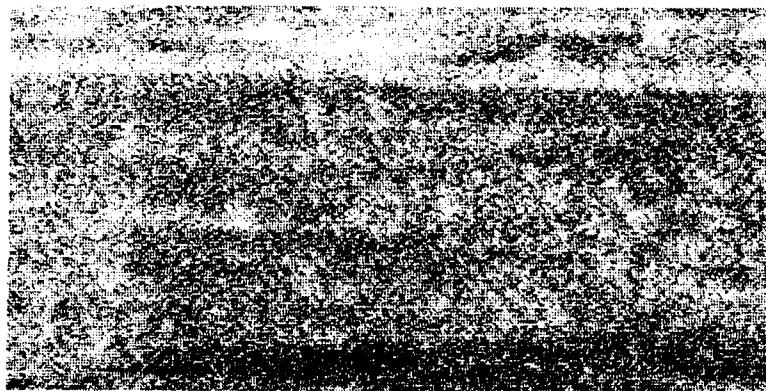


LW IR image



Visual image

Figure 43. Scene West 1, SW IR, LW IR, and visual imagery



SW IR image

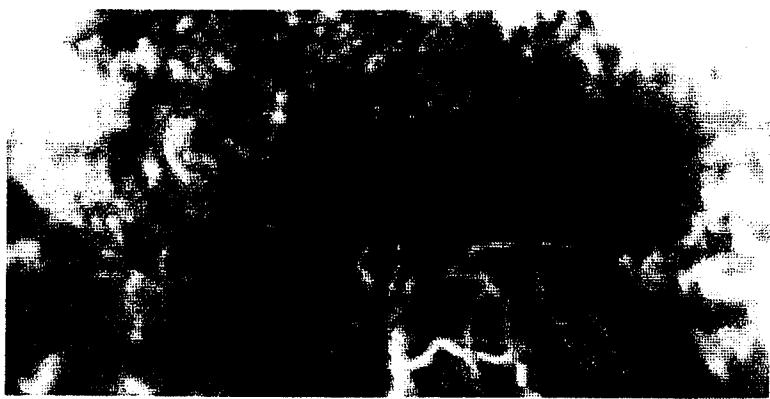


LW IR image



Visual image

Figure 44. Scene West 2, SW IR, LW IR, and visual imagery



SW IR image

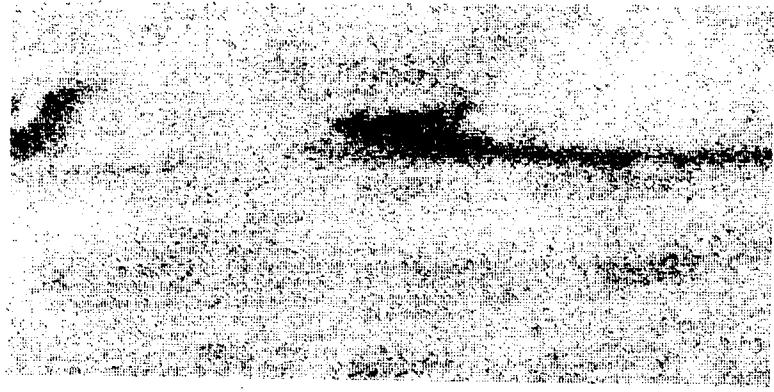


LW IR image



Visual image

Figure 45. Scene West 3, SW IR, LW IR, and visual imagery



SW IR image

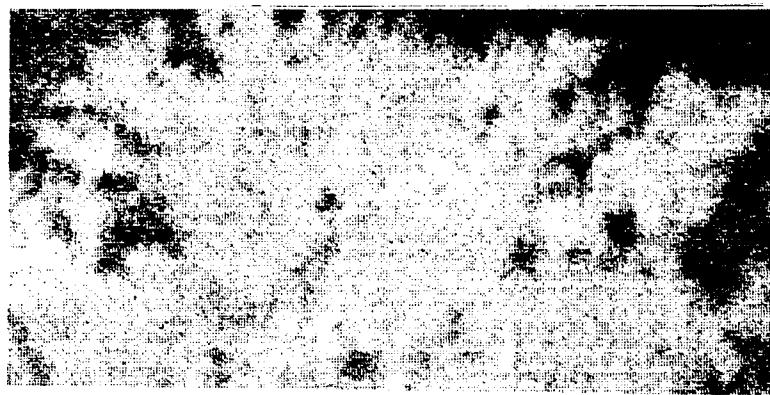


LW IR image



Visual image

Figure 46. Scene West 4, SW IR, LW IR, and visual imagery



SW IR image

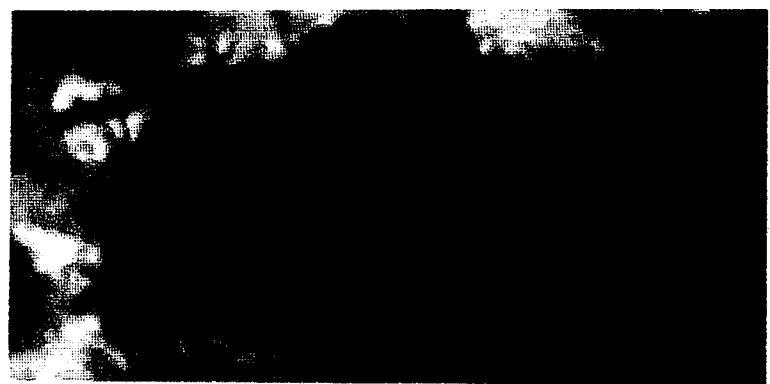


LW IR image



Visual image

Figure 47. Scene West 5, SW IR, LW IR, and visual imagery



SW IR image



LW IR image



Visual image

Figure 48. Scene East 1, SW IR, LW IR, and visual imagery



SW IR image



LW IR image



Visual image

Figure 49. Scene East 2, SW IR, LW IR, and visual imagery



SW IR image



LW IR image

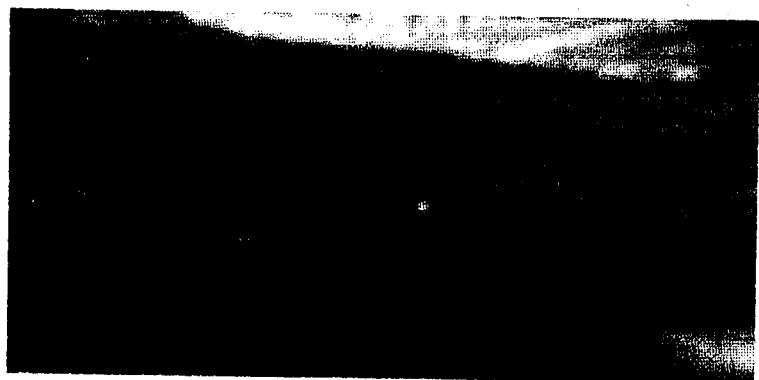


Visual image

Figure 50. Scene East 3, SW IR, LW IR, and visual imagery



SW IR image



LW IR image



Visual image

Figure 51. Scene East 4, SW IR, LW IR, and visual imagery



SW IR image



LW IR image



Visual image

Figure 52. Scene East 5, SW IR, LW IR, and visual imagery

Appendix A

Terrain Conditions in Surface Temperature Arrays



Figure A1. Site B thermistor Channel 1, 15 March 1993



Figure A2. Site B thermistor Channel 1, 30 April 1993



Figure A3. Site B thermistor Channel 2, 15 March 1993



Figure A4. Site B thermistor Channel 2, 30 April 1993

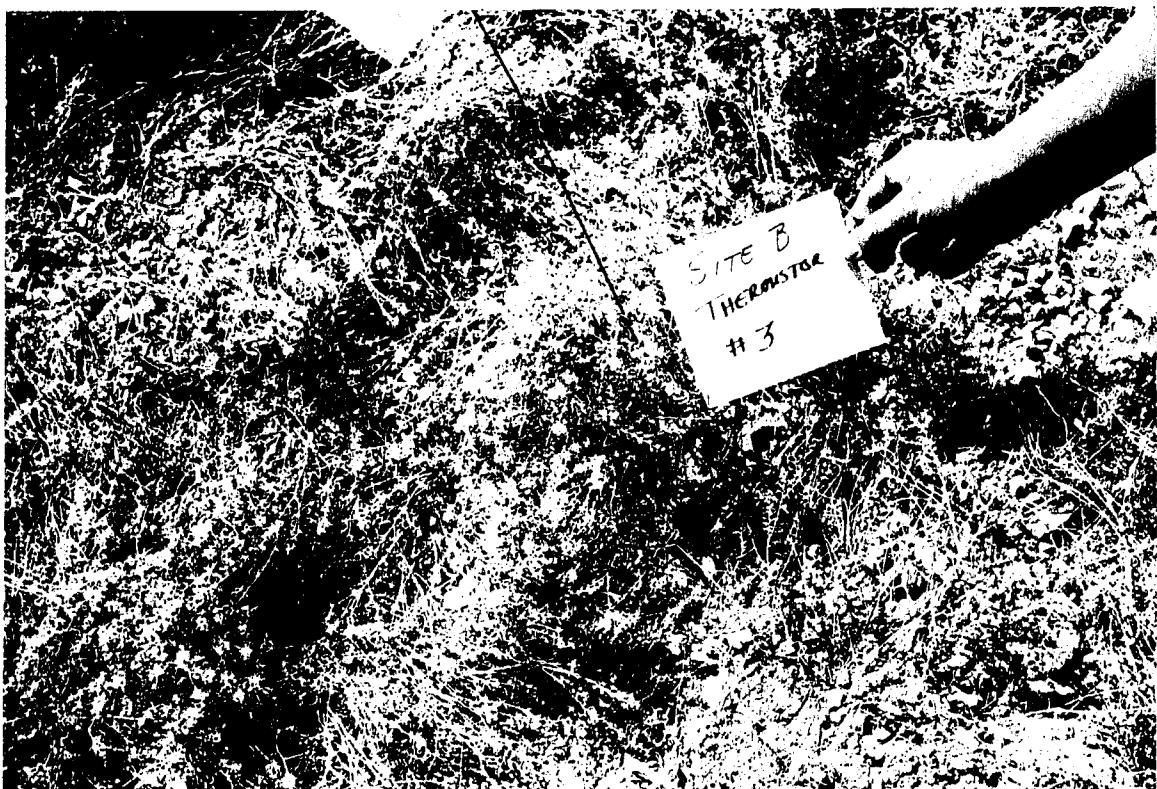


Figure A5. Site B thermistor Channel 3, 15 March 1993

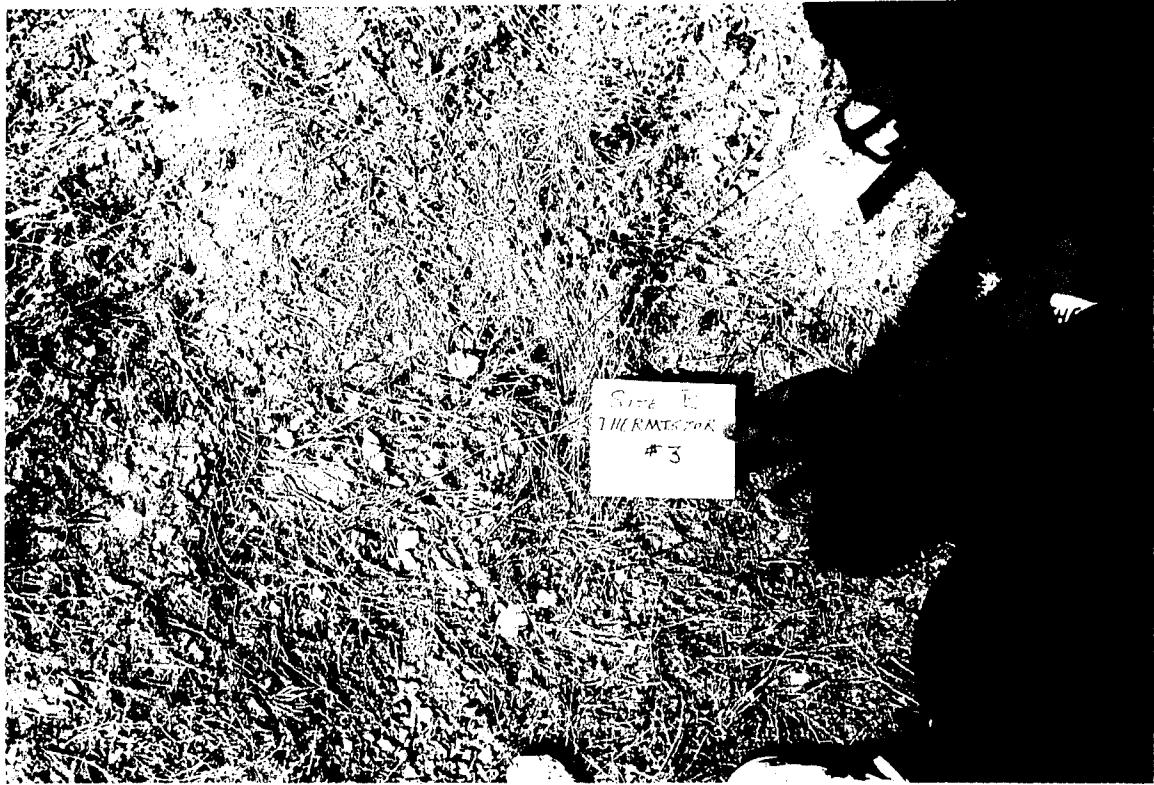


Figure A6. Site B thermistor Channel 3, 30 April 1993



Figure A7. Site B thermistor Channel 4, 15 March 1993



Figure A8. Site B thermistor Channel 4, 30 April 1993



Figure A9. Site B thermistor Channel 5, 15 March 1993



Figure A10. Site B thermistor Channel 5, 30 April 1993



Figure A11. Site B thermistor Channel 6, 15 March 1993



Figure A12. Site B thermistor Channel 6, 30 April 1993



Figure A13. Site B thermistor Channel 7, 15 March 1993



Figure A14. Site B thermistor Channel 7, 30 April 1993



Figure A15. Site B thermistor Channel 8, 15 March 1993



Figure A16. Site B thermistor Channel 8, 30 April 1993

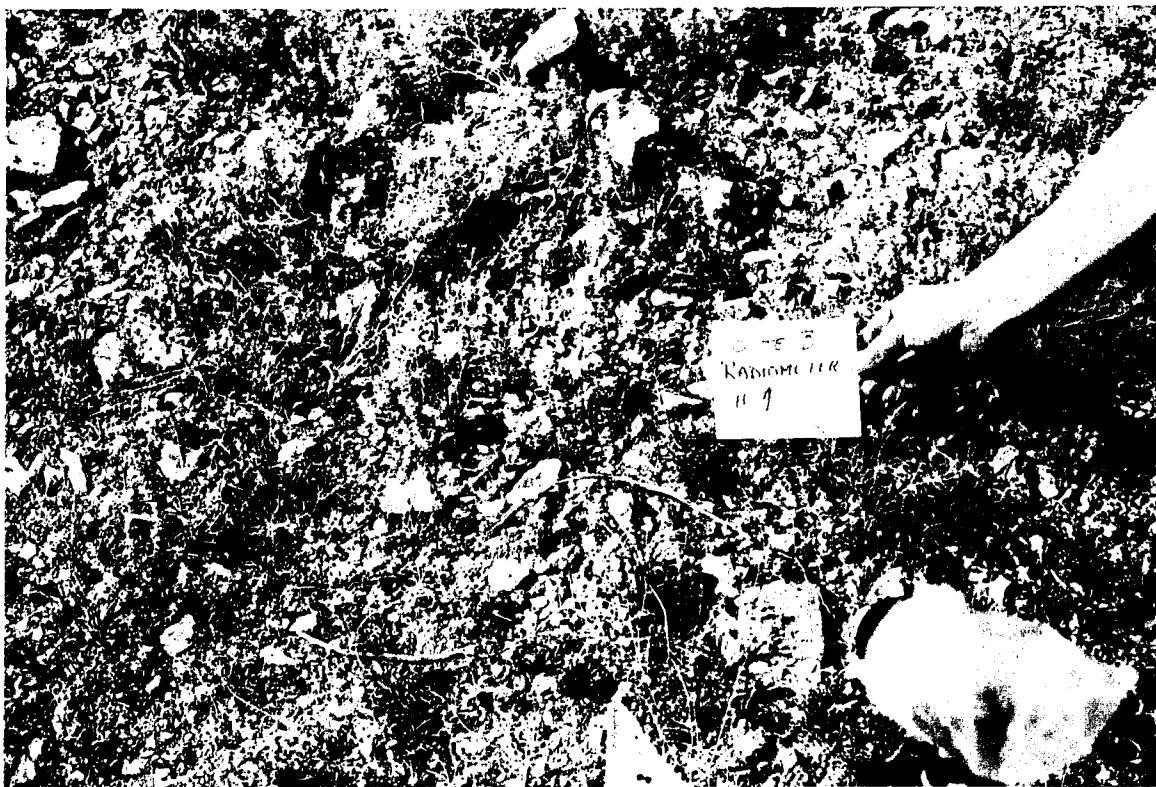


Figure A17. Site B staring radiometer Channel 1, 15 March 1993



Figure A18. Site B staring radiometer Channel 1, 30 April 1993



Figure A19. Site B staring radiometer Channel 2, 15 March 1993



Figure A20. Site B staring radiometer Channel 2, 30 April 1993



Figure A21. Site B staring radiometer Channel 3, 15 March 1993



Figure A22. Site B staring radiometer Channel 3, 30 April 1993



Figure A23. Site B staring radiometer Channel 4, 15 March 1993



Figure A24. Site B staring radiometer Channel 4, 30 April 1993



Figure A25. Site E thermistor Channel 1, 15 March 1993



Figure A26. Site E thermistor Channel 1, 30 April 1993



Figure A27. Site E thermistor Channel 2, 15 March 1993



Figure A28. Site E thermistor Channel 2, 30 April 1993



Figure A29. Site E thermistor Channel 3, 15 March 1993



Figure A30. Site E thermistor Channel 3, 30 April 1993



Figure A31. Site E thermistor Channel 4, 15 March 1993



Figure A32. Site E thermistor Channel 4, 30 April 1993

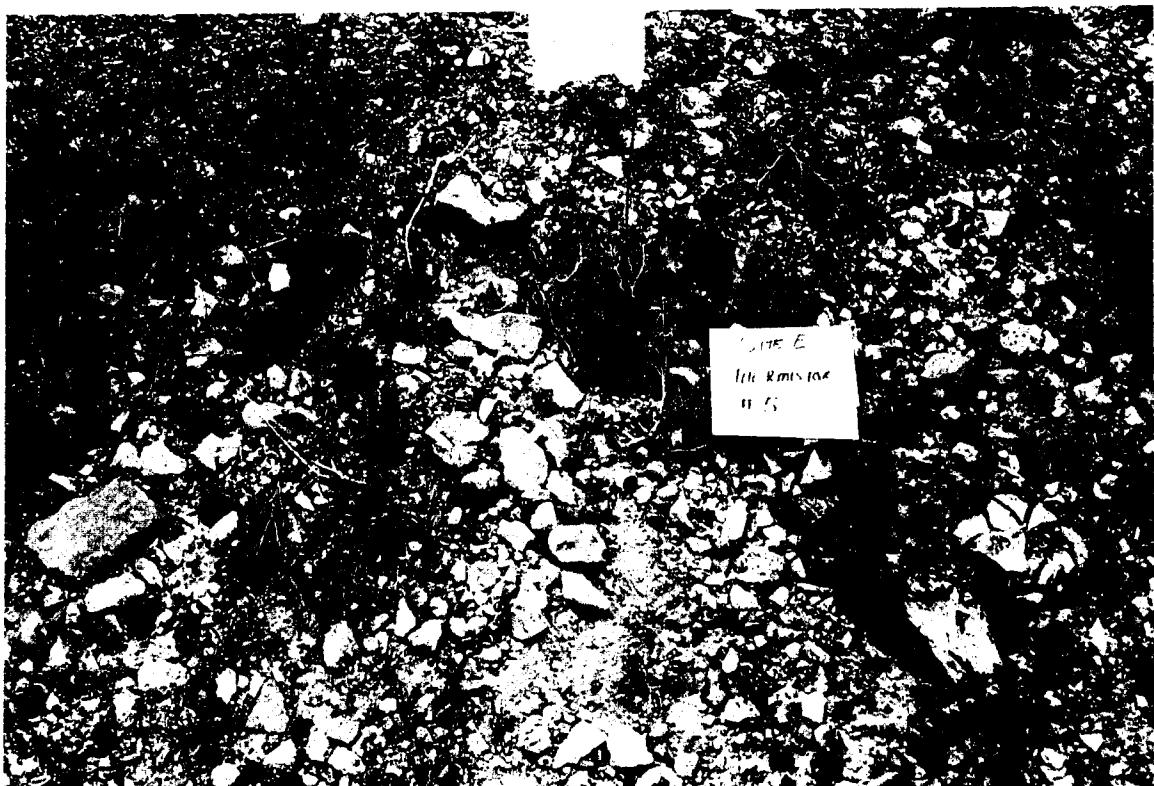


Figure A33. Site E thermistor Channel 5, 15 March 1993



Figure A34. Site E thermistor Channel 5, 30 April 1993



Figure A35. Site E thermistor Channel 6, 15 March 1993



Figure A36. Thermistor Channel 6, 30 April 1993



Figure A37. Site E thermistor Channel 7, 15 March 1993



Figure A38. Site E thermistor Channel 7, 30 April 1993



Figure A39. Site E thermistor Channel 8, 15 March 1993



Figure A40. Site E thermistor Channel 8, 30 April 1993

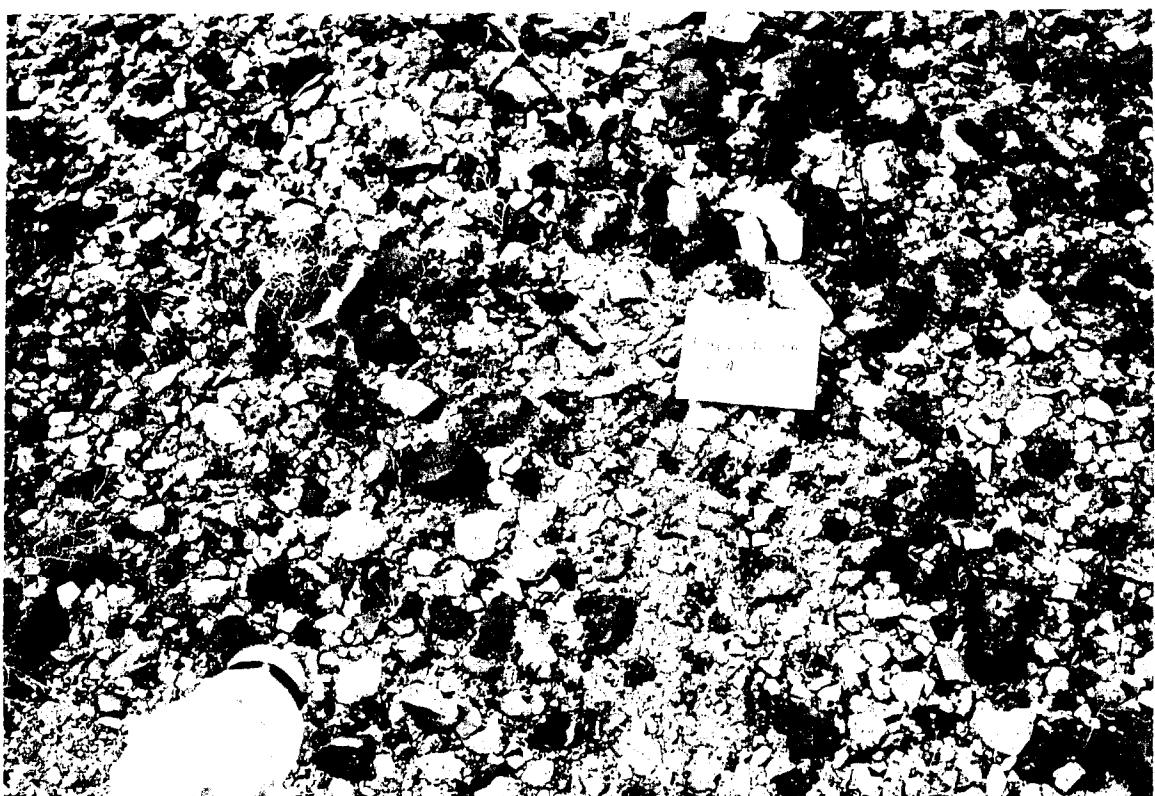


Figure A41. Site E staring radiometer Channel 1, 15 April 1993



Figure A42. Site E staring radiometer Channel 1, 30 April 1993



Figure A43. Site E staring radiometer Channel 2, 15 March 1993



Figure A44. Site E staring radiometer Channel 2, 30 April 1993



Figure A45. Site E staring radiometer Channel 3, 15 March 1993



Figure A46. Site E staring radiometer Channel 3, 30 April 1993



Figure A47. Site E staring radiometer Channel 4, 15 March 1993

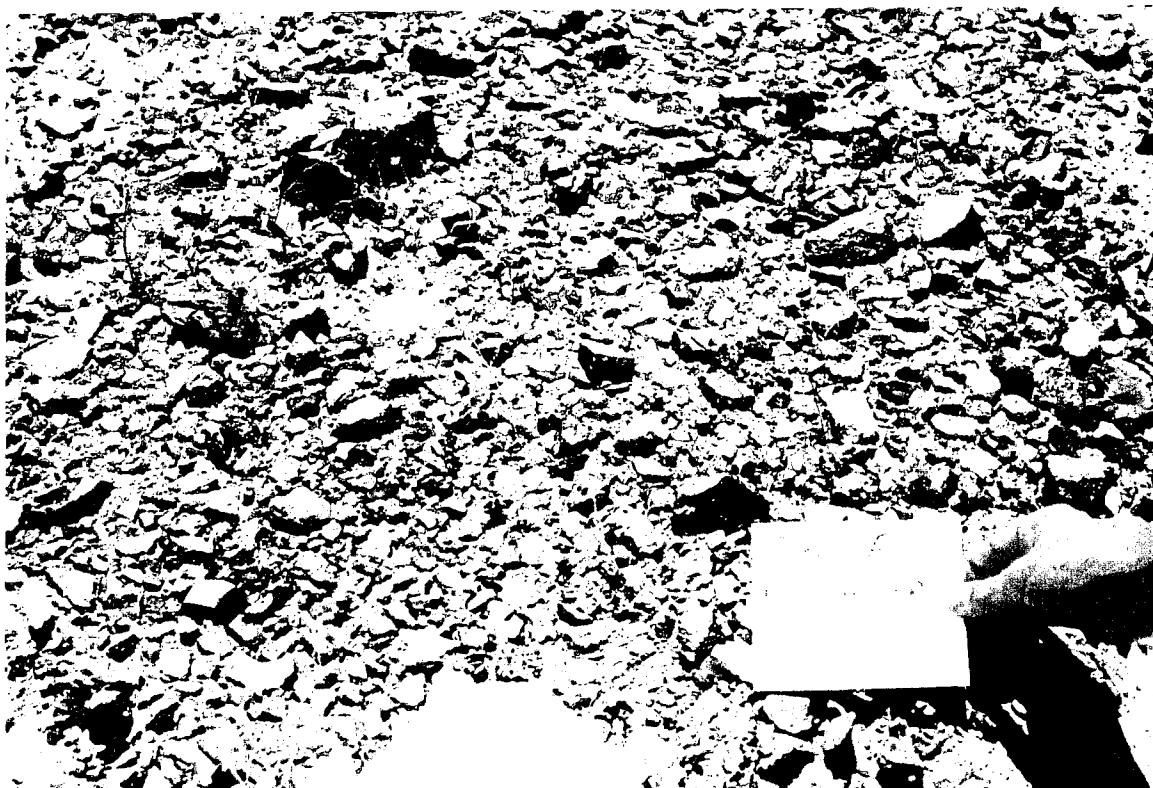


Figure A48. Site E staring radiometer Channel 4, 30 April 1993

Appendix B

Terrain Conditions in Feature Arrays



Figure B1. Site B feature array Channel 1, 15 March 1993



Figure B2. Site B feature array Channel 1, 30 April 1993



Figure B3. Site B feature array Channel 2, 15 March 1993



Figure B4. Site B feature array Channel 2, 30 April 1993



Figure B5. Site B feature array Channel 3, 15 March 1993



Figure B6. Site B feature array Channel 3, 30 April 1993



Figure B7. Site B feature array Channel 4, 15 March 1993

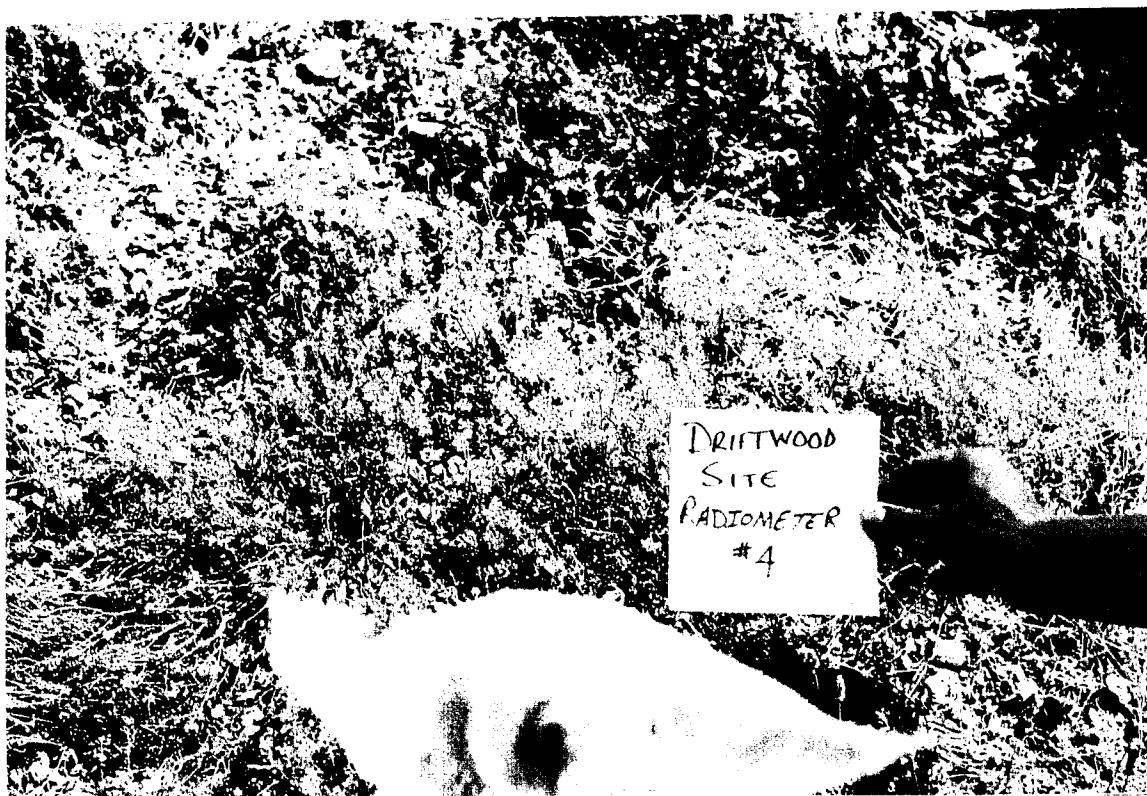


Figure B8. Site B feature array Channel 4, 30 April 1993



Figure B9. Site B feature array Channel 5, 15 March 1993



Figure B10. Site B feature array Channel 5, 30 April 1993



Figure B11. Site B feature array Channel 6, 15 March 1993



Figure B12. Site B feature array Channel 6, 30 April 1993



Figure B13. Site B feature array Channel 7, 15 March 1993



Figure B14. Site B feature array Channel 7, 30 April 1993



Figure B15. Site B feature array Channel 8, 15 March 1993



Figure B16. Site B feature array Channel 8, 30 April 1993



Figure B17. Site D feature array Channel 1, 15 March 1993

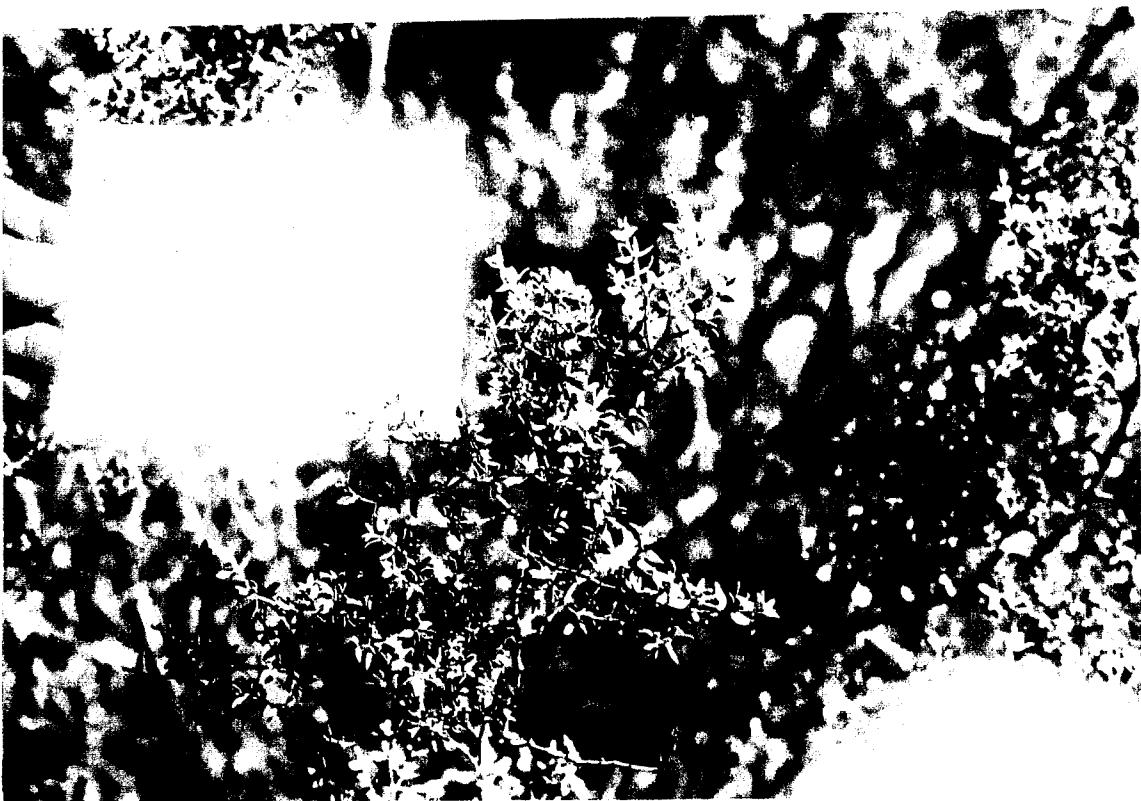


Figure B18. Site D feature array Channel 1, 30 April 1993



Figure B19. Site D feature array Channel 2, 15 March 1993



Figure B20. Site D feature array Channel 2, 30 April 1993



Figure B21. Site D feature array Channel 3, 15 March 1993

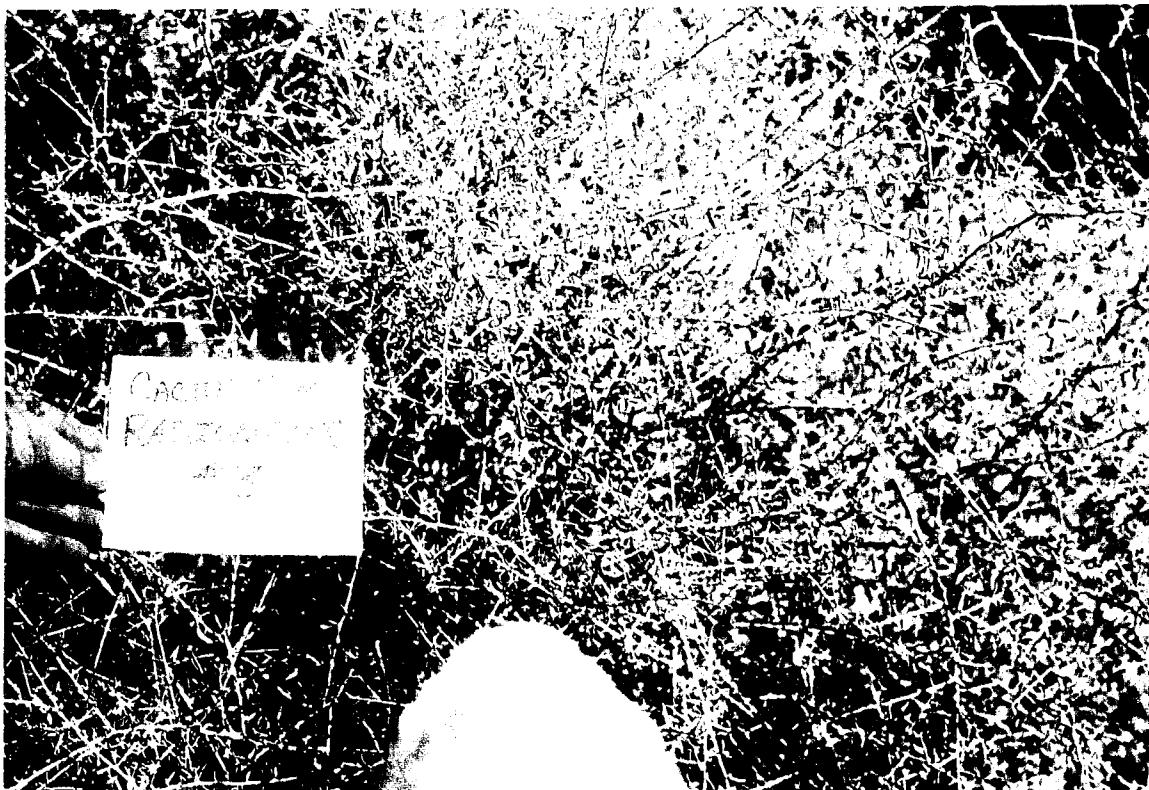


Figure B22. Site D feature array Channel 3, 30 April 1993



Figure B23. Site D feature array Channel 4, 15 March 1993



Figure B24. Site D feature array Channel 4, 30 April 1993



Figure B25. Site D feature array Channel 5, 15 March 1993



Figure B26. Site D feature array Channel 5, 30 April 1993

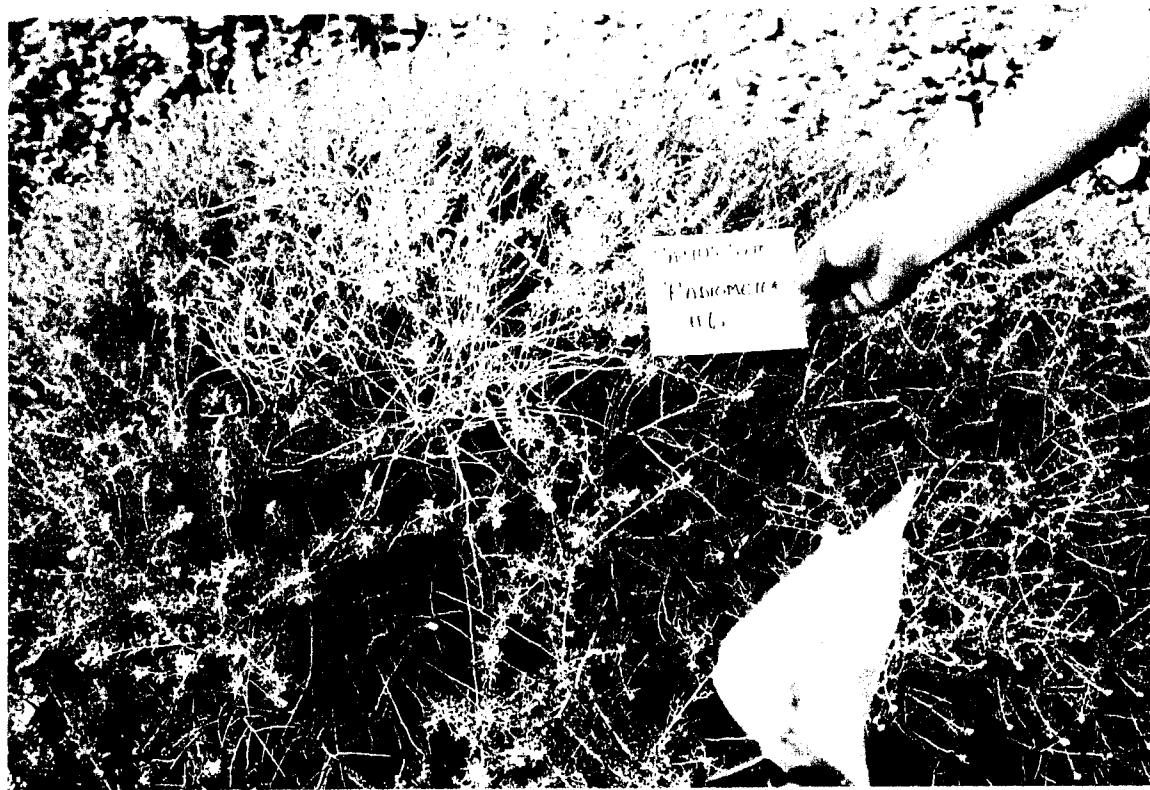


Figure B27. Site D feature array Channel 6, 15 March 1993



Figure B28. Site D feature array Channel 6, 30 April 1993



Figure B29. Site D feature array Channel 7, 15 March 1993

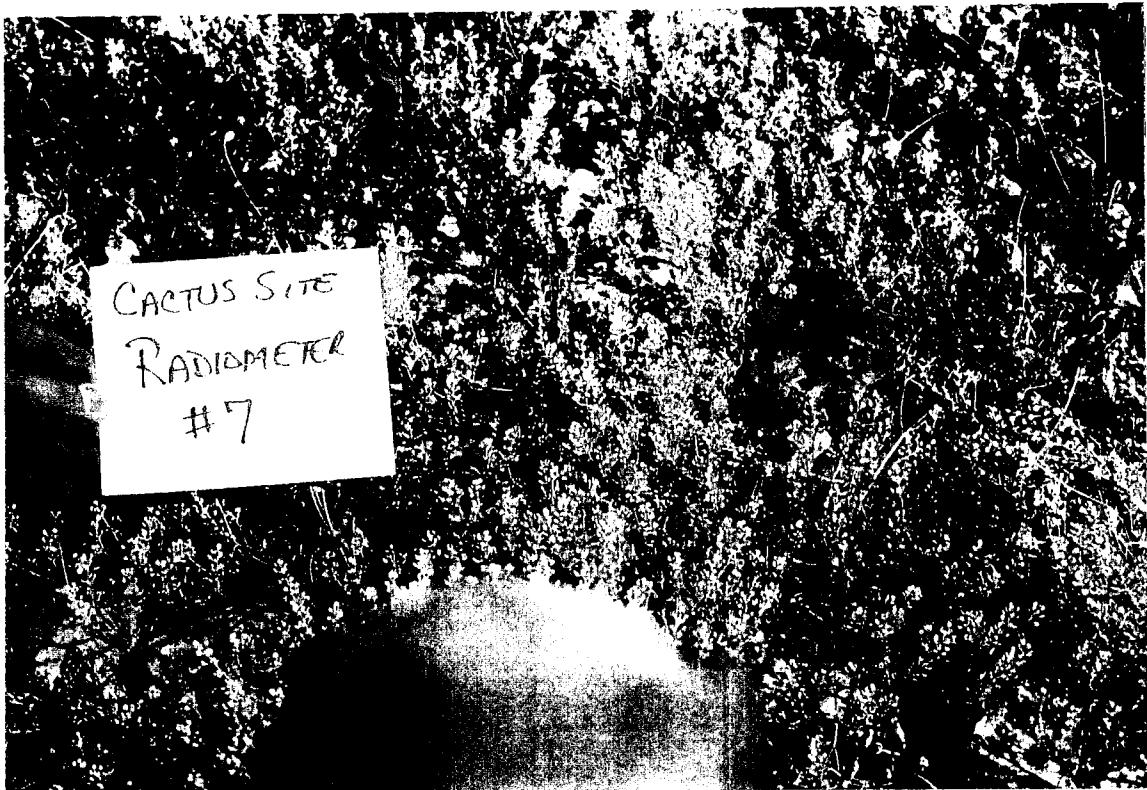


Figure B30. Site D feature array Channel 7, 30 April 1993



Figure B31. Site D feature array Channel 8, 15 March 1993

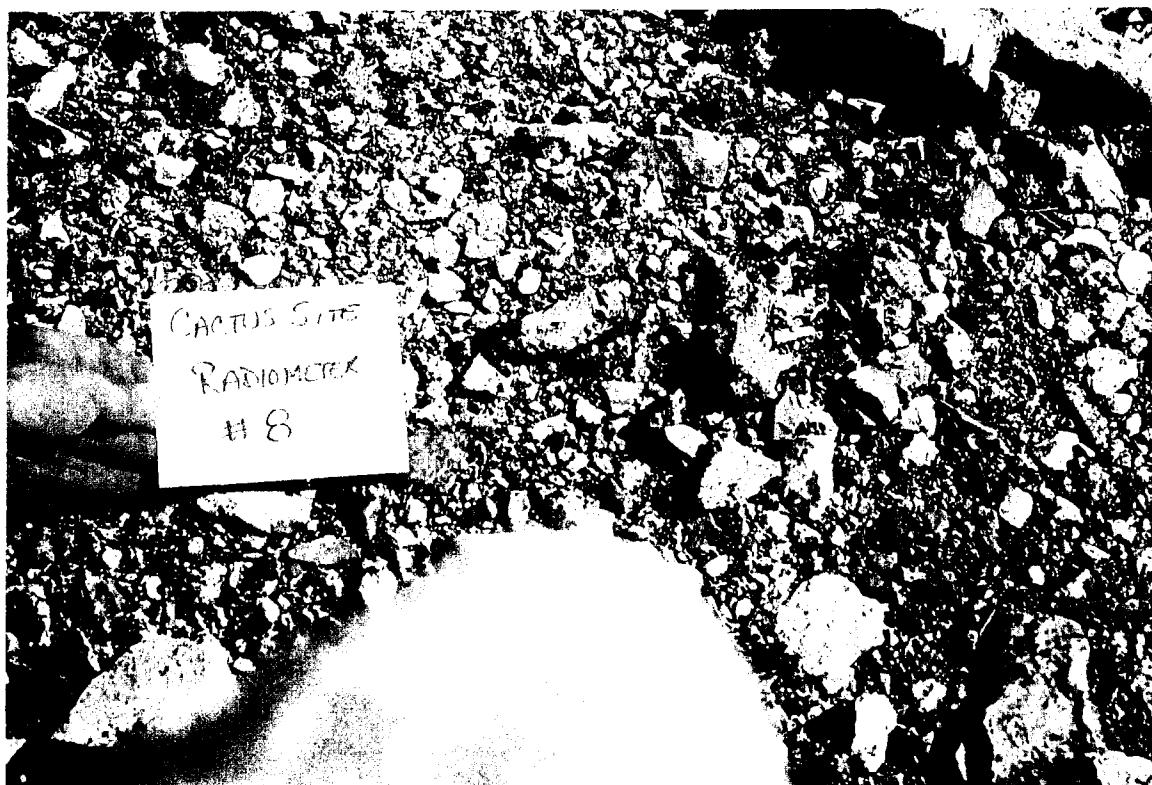


Figure B32. Site D feature array Channel 8, 30 April 1993

Appendix C

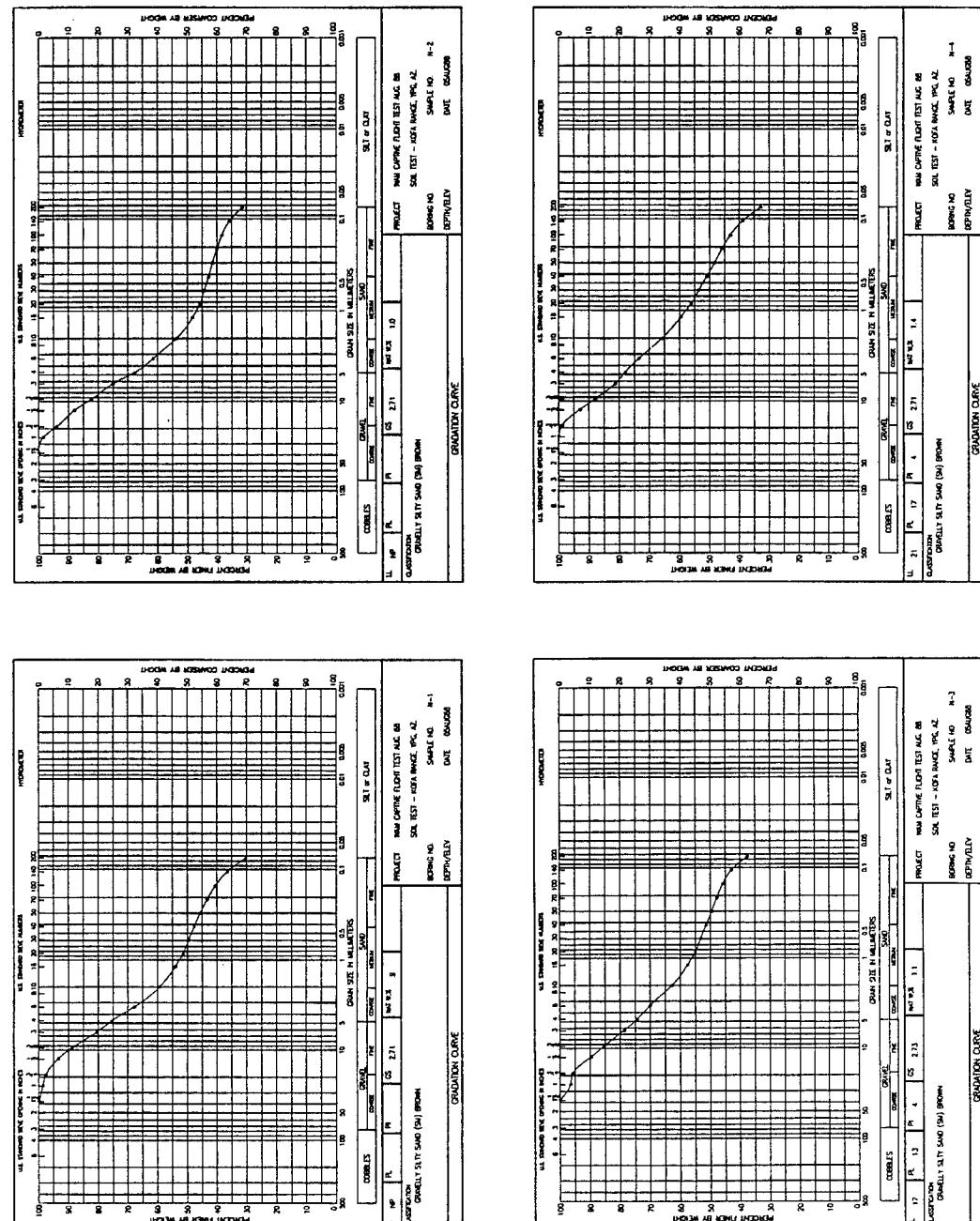
Results of 1988 Soils Analysis

The locations where the soil samples were taken in the 1988 wide area mine study is shown below in Table C1.

Table C1
Soil Sample Site Locations

| Sample Site | East, m | North, m |
|-------------|---------|----------|
| N1 | 756923 | 3652019 |
| N2 | 756570 | 3651695 |
| N3 | 756216 | 3651178 |
| N4 | 755884 | 3652274 |
| N5 | 755480 | 3652143 |
| N6 | 755125 | 3652227 |
| S1 | 7560851 | 3649534 |
| S2 | 756502 | 3648888 |
| S3 | 756191 | 3649804 |
| S4 | 755816 | 3649395 |
| S5 | 755401 | 3649933 |
| S6 | 755074 | 3649893 |

Figure C1. Soil gradation curves (locations N1, N2, N3, and N4)



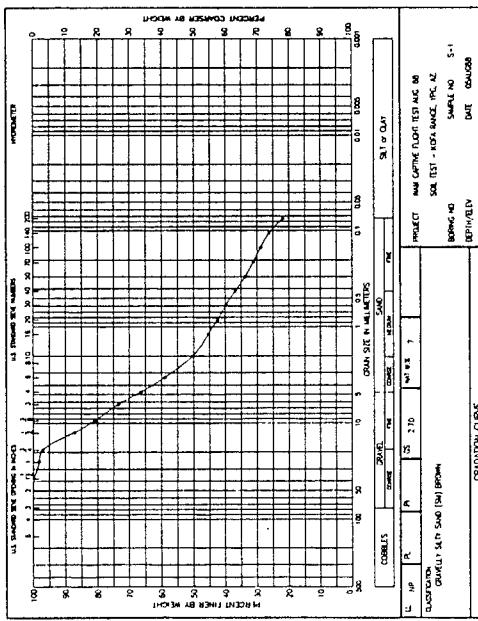
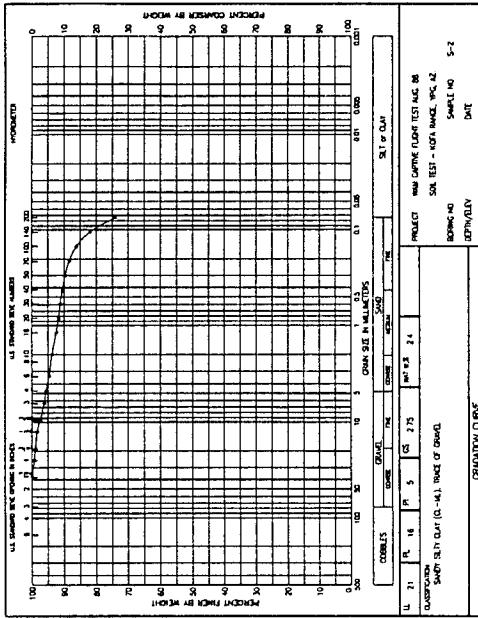
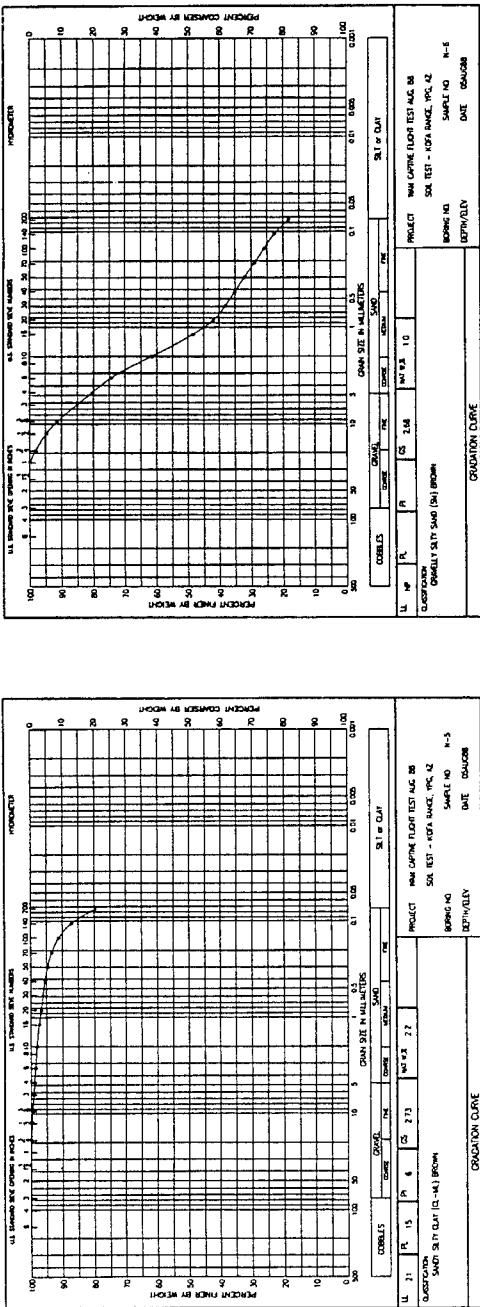
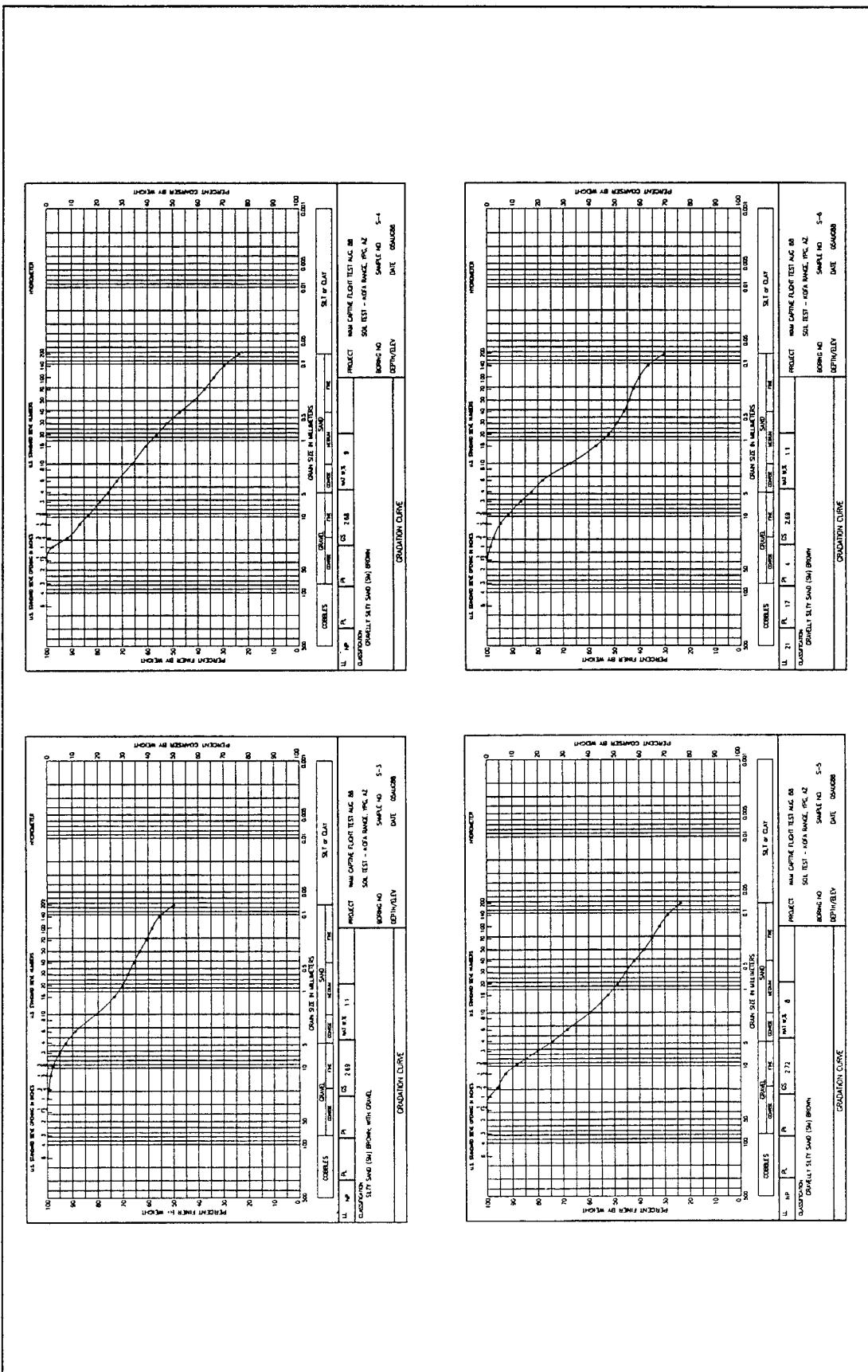


Figure C2. Soil gradation curves (locations N5, N6, S1, and S2)

Figure C3. Soil gradation curves (locations S3, S4, S5, and S6)



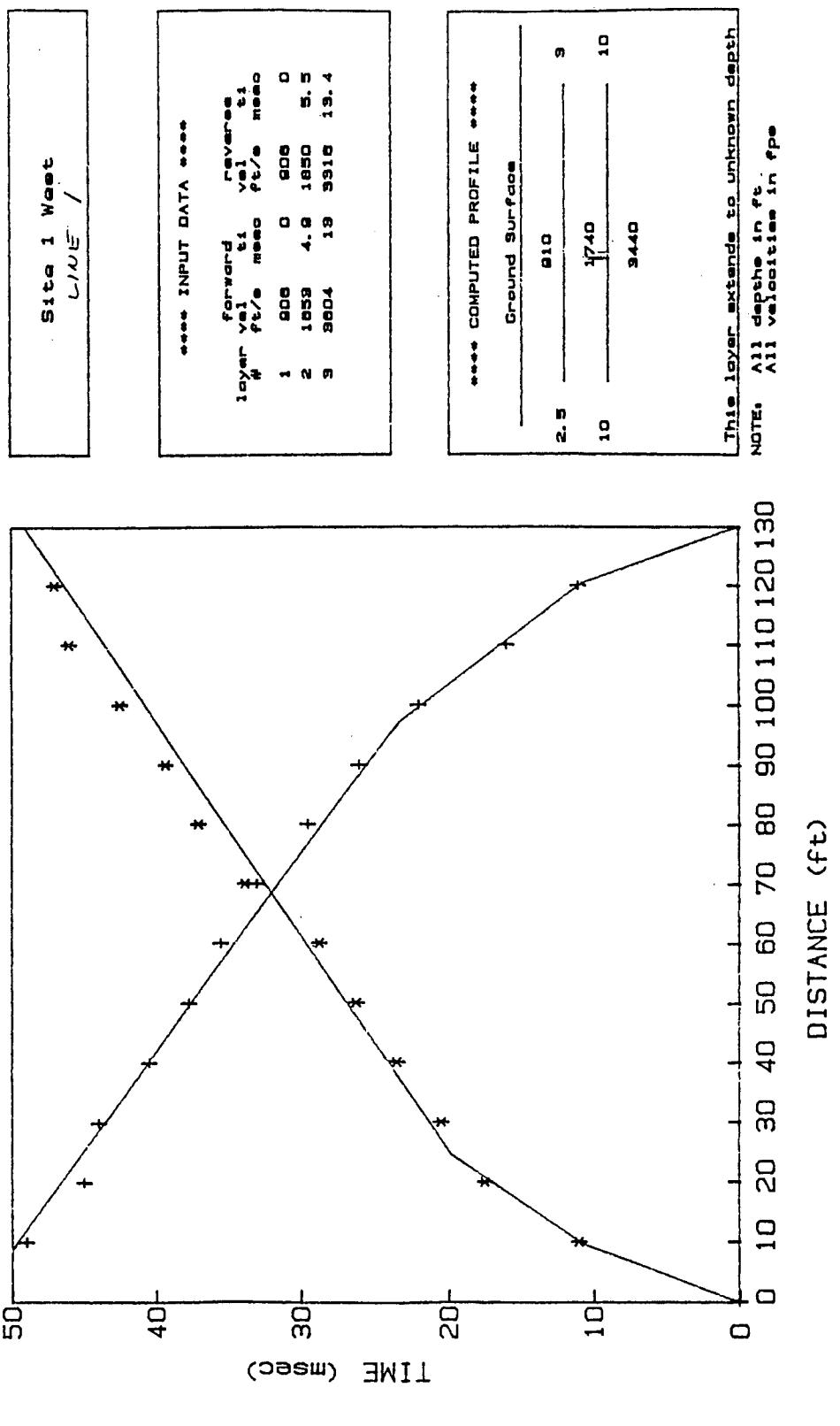


Figure C4. Time versus distance plot for seismic refraction line 1, east-west, at the Honeywell sensor line location

Table C2
Summary of Soil Characteristics of Terrain Types

| Terrain Type | Sample Location | Grain-Size Distribution | | | Moisture % | Specific Gravity | Color | Texture | Classification | | Micro-terrain Roughness RMS, cm |
|----------------|-----------------|-------------------------|--------|-------------|------------|------------------|-------|---|------------------------------|------------------------------|---------------------------------|
| | | Gravel % | Sand % | Silt/Clay % | | | | | Atterburg Limit ¹ | Atterburg Limit ¹ | |
| Pavement | N5 | 2 | 18 | 80 | 2.2 | 2.73 | Brown | Sandy silty clay (CL-ML) | 21/15/6 | 21/16/5 | 0.37 |
| | S2 | 4 | 22 | 74 | 2.4 | 2.75 | Brown | Sandy silty clay (CL-ML) trace of gravel | -- | -- | -- |
| Pavement wash | N2 | 33 | 35 | 32 | 1.0 | 2.71 | Brown | Gravelly silty sand (SM) | NP | NP | 0.64 |
| | N4 | 22 | 45 | 33 | 1.4 | 2.71 | Brown | Gravelly silty sand (SM) | 21/17/4 | NP | -- |
| | N1 | 25 | 45 | 30 | 0.9 | 2.71 | Brown | Gravelly silty sand (SM) | NP | 17/13/4 | 1.78 |
| Secondary wash | N3 | 26 | 37 | 37 | 1.1 | 2.73 | Brown | Gravelly silty sand (SM) | -- | -- | -- |
| | N6 | 20 | 62 | 18 | 1.0 | 2.68 | Brown | Gravelly silty sand (SM) | NP | NP | -- |
| | S4 | 25 | 49 | 24 | 0.9 | 2.68 | Brown | Gravelly silty sand (SM) | NP | NP | -- |
| Developed wash | S5 | 25 | 50 | 24 | 0.8 | 2.72 | Brown | Gravelly silty sand (SM) | NP | NP | -- |
| | S6 | 17 | 53 | 30 | 1.1 | 2.69 | Brown | Gravelly silty sand (SM) | 21/17/4 | -- | -- |
| Developed wash | S1 | 33 | 45 | 22 | 0.7 | 2.70 | Brown | Gravelly silty sand (SM) | NP | NP | 1.94 |
| | S3 | 7 | 43 | 50 | 1.1 | 2.69 | Brown | Silty sand (GM) with gravel | NP | NP | -- |

¹ Liquid limit/plastic limit/plasticity index; NP = not plastic.

Table C3
Material Types and Locations Sampled by Stating Radiometers

| Illumination Condition | Not in Wash | | | In Developed Wash | | | | | | Vegetation | | | |
|------------------------|-------------------------|-------------------------|--------------------|-------------------------|--------------------|-------|----------------------------------|----------------|---------------|----------------|-----------|--|-------|
| | Desert Pavement | Light Gravel | Sand | Gravel | Sand | Mud | Creosote Bush | Paloverde Tree | Ironwood Tree | White Bur Sage | Dead Tree | | |
| Full sun | CH3-1 CH3-2 CH3-3 | CH3-5 CH3-6 CH1-5 | CH1-4 | | CH1-7 | CH2-8 | CH2-6 CH2-7 CH1-2 CH1-6 | CH1-8 | CH2-2 | CH3-8 CH2-4 | | | |
| Morning shade | | CH3-4 | | CH1-3 CH2-3 CH3-7 | | | | | | | | | CH2-5 |
| Afternoon shade | | | CH1-1 | | | | | | | | | | |
| Full shade | | | CH2-1 ¹ | | CH2-1 ¹ | | | | | | | | |

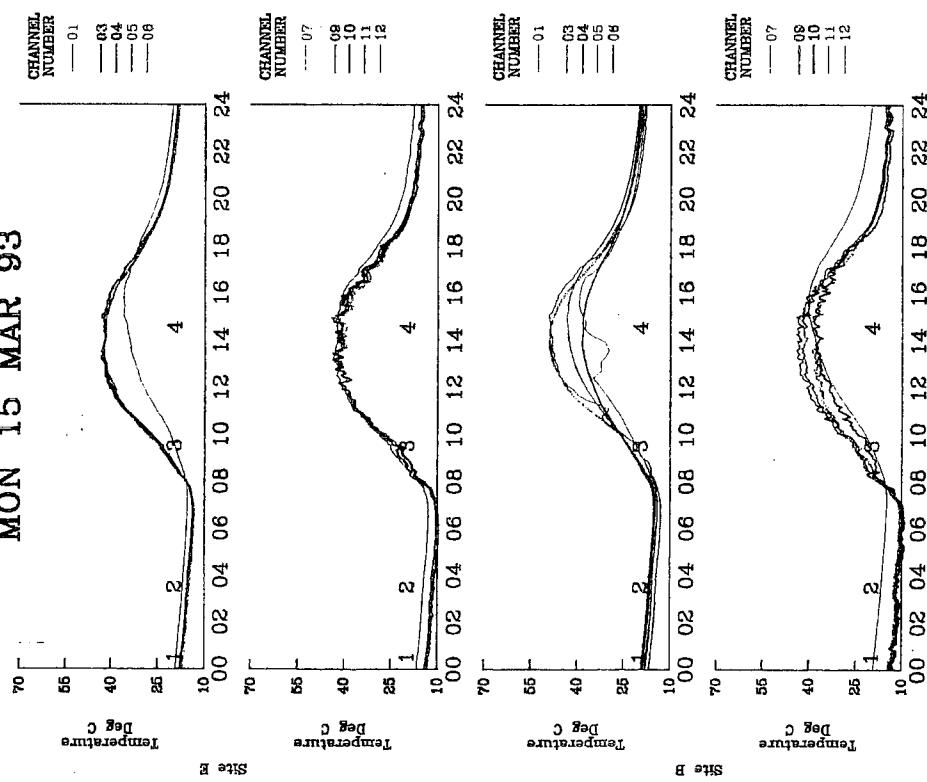
¹ Under paloverde tree.

Appendix D

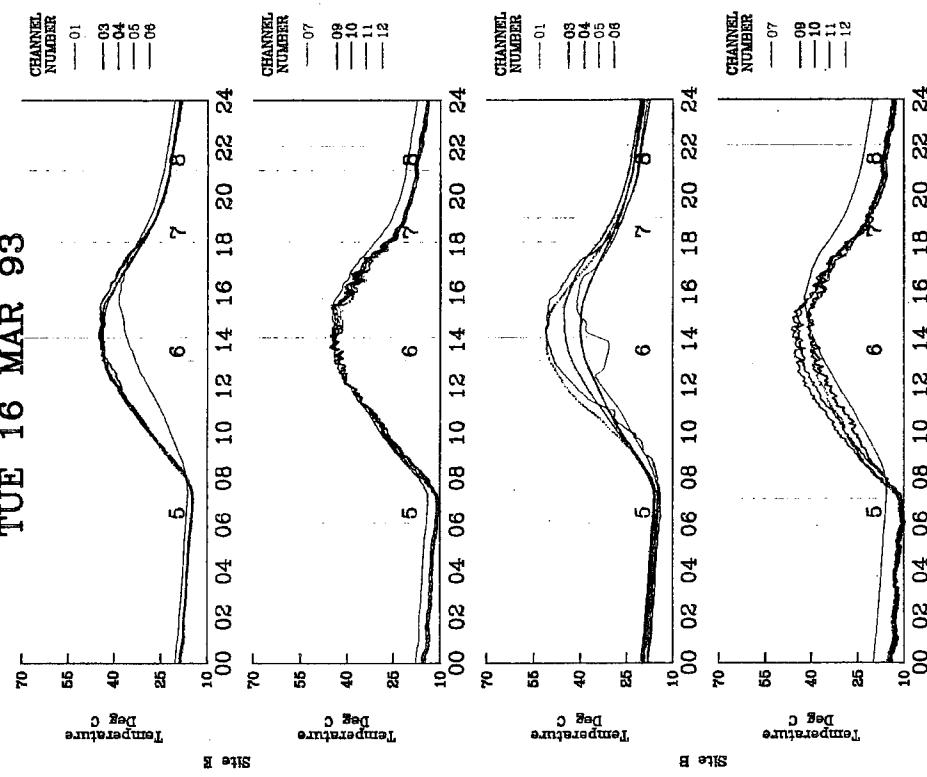
Daily Surface Temperature

Array Plots

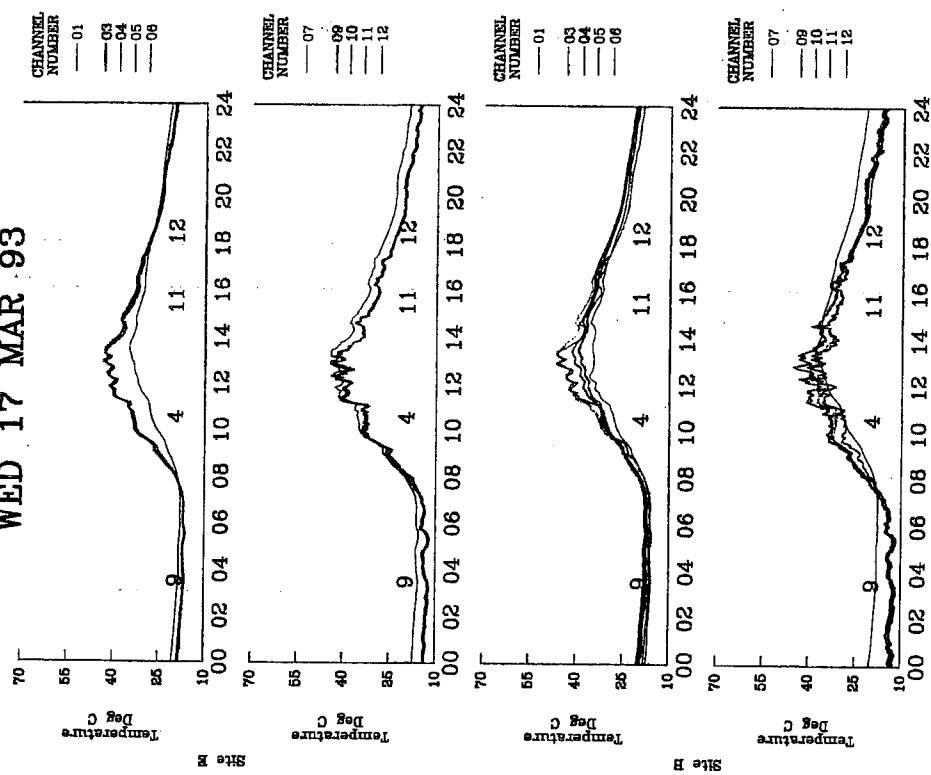
Thermal Data MON 15 MAR 93



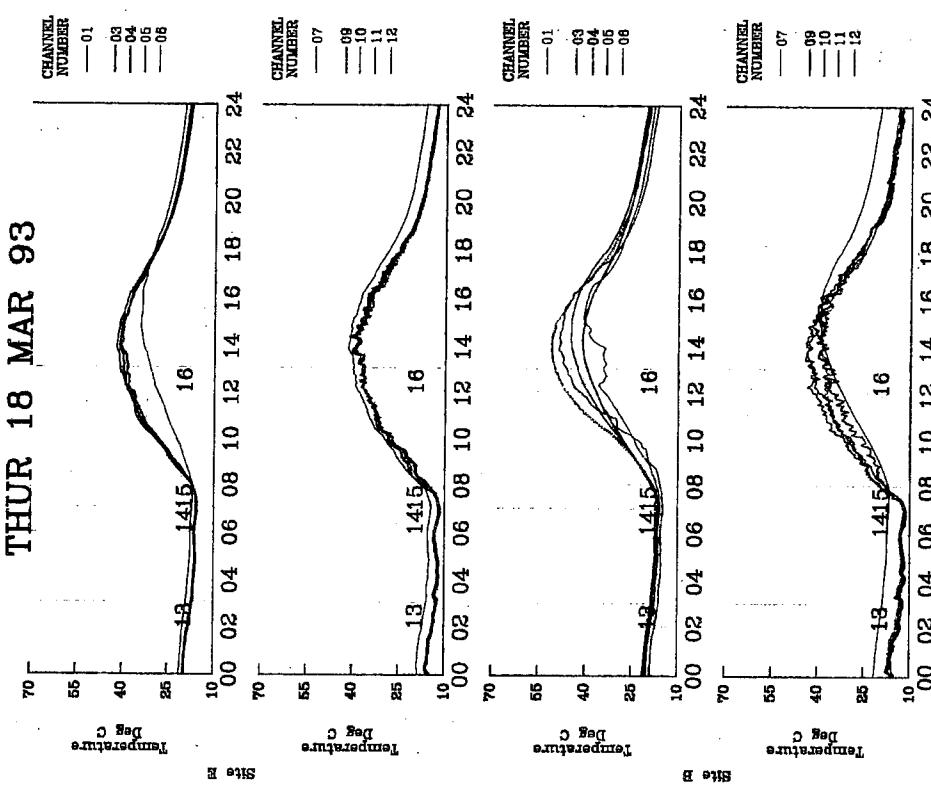
Thermal Data TUE 16 MAR 93



Thermal Data WED 17 MAR 93

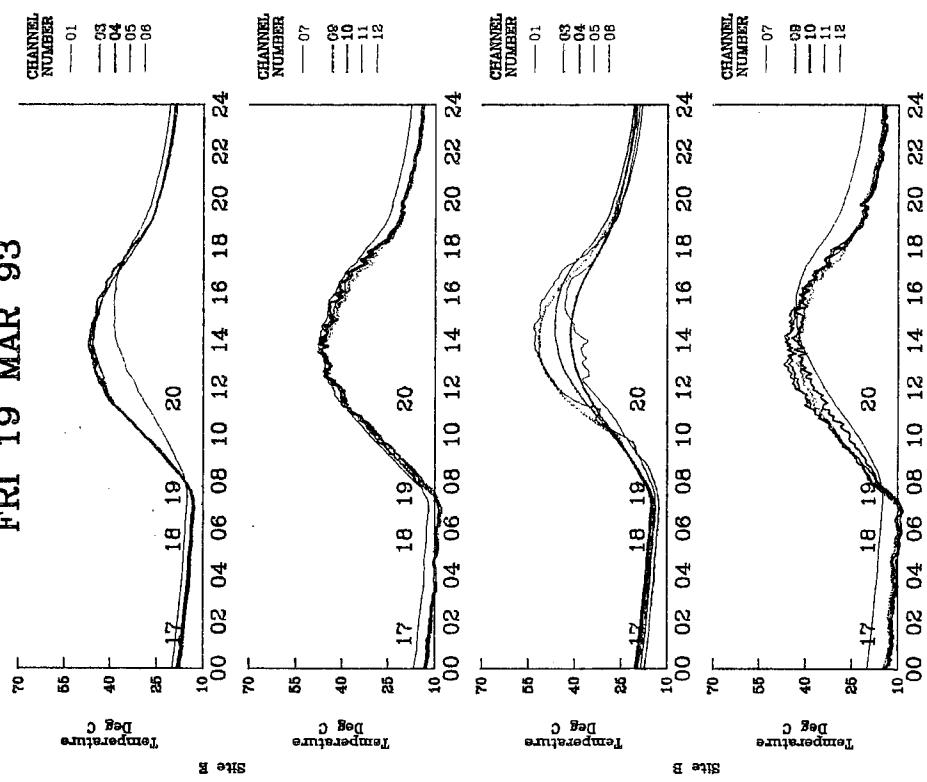


Thermal Data THUR 18 MAR 93



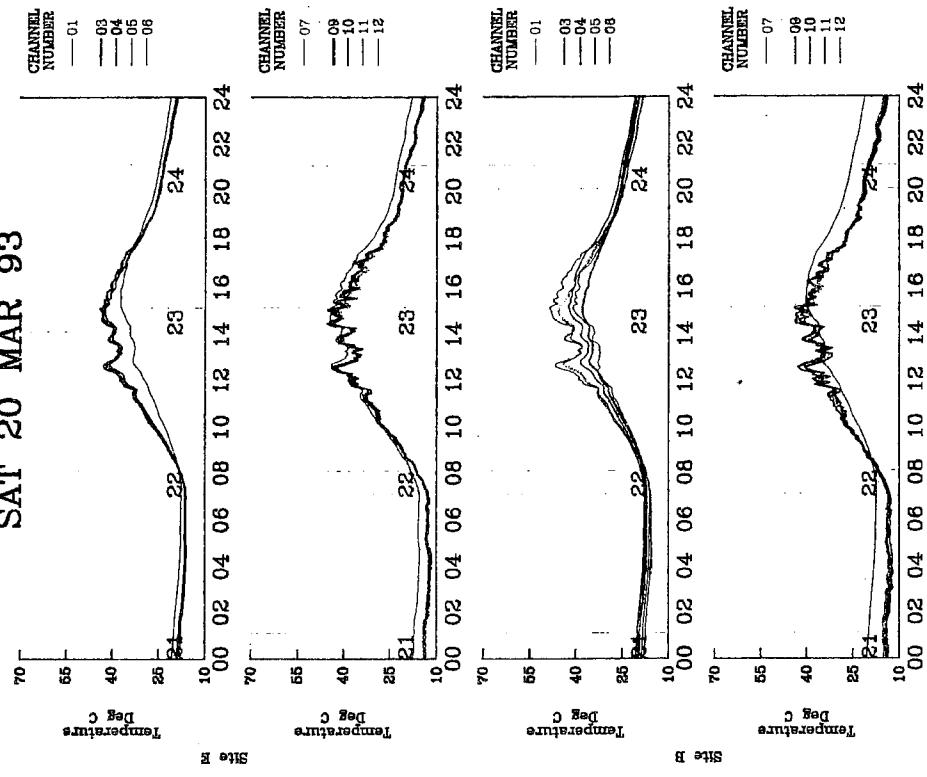
Thermal Data

FRI 19 MAR 93

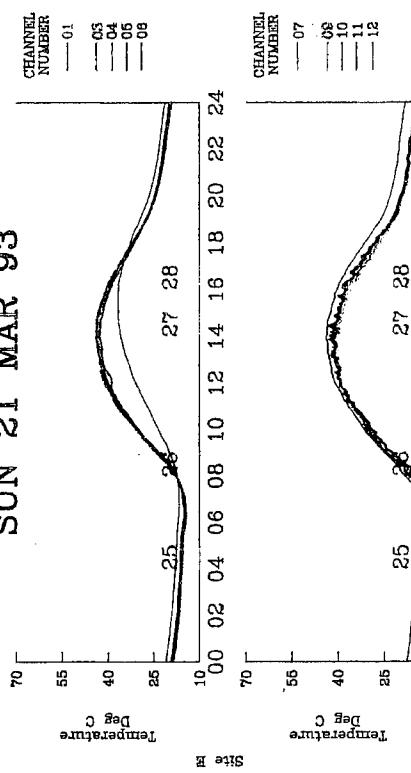


Thermal Data

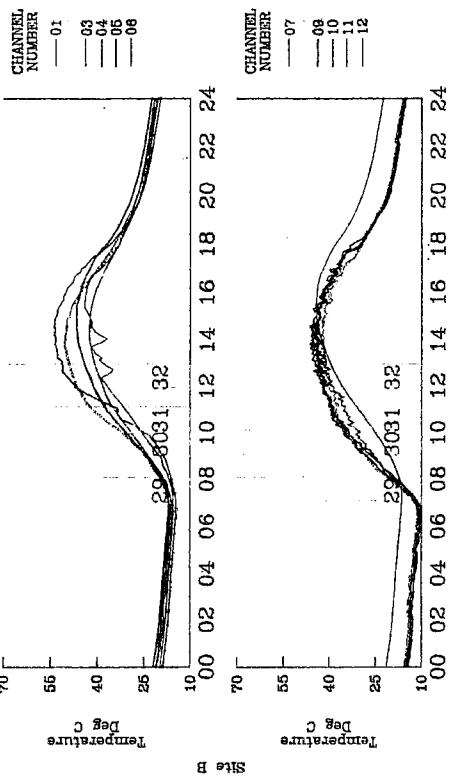
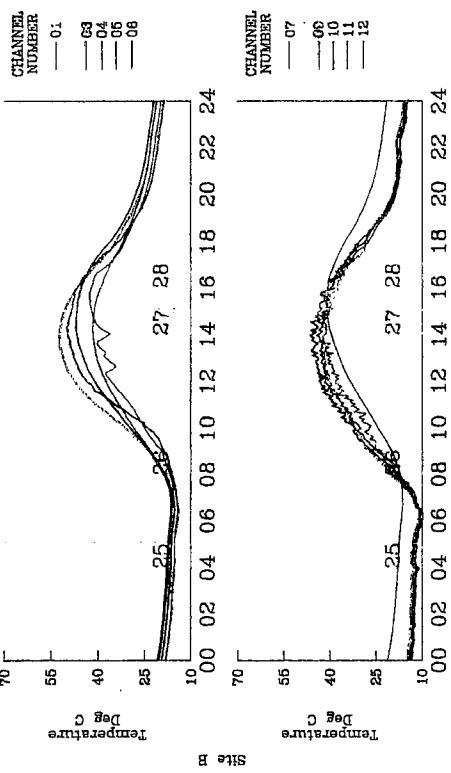
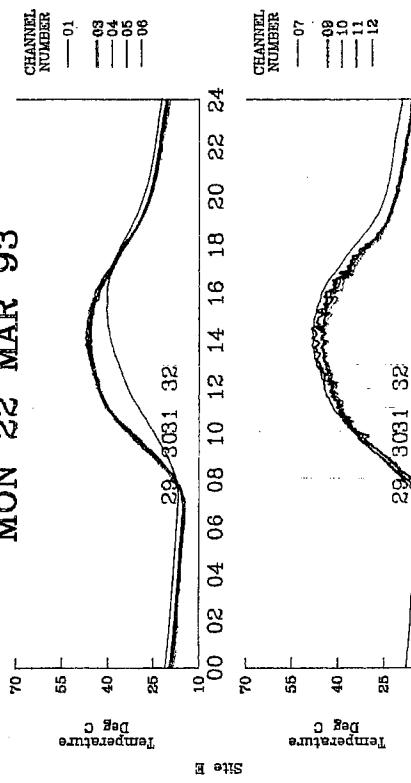
SAT 20 MAR 93



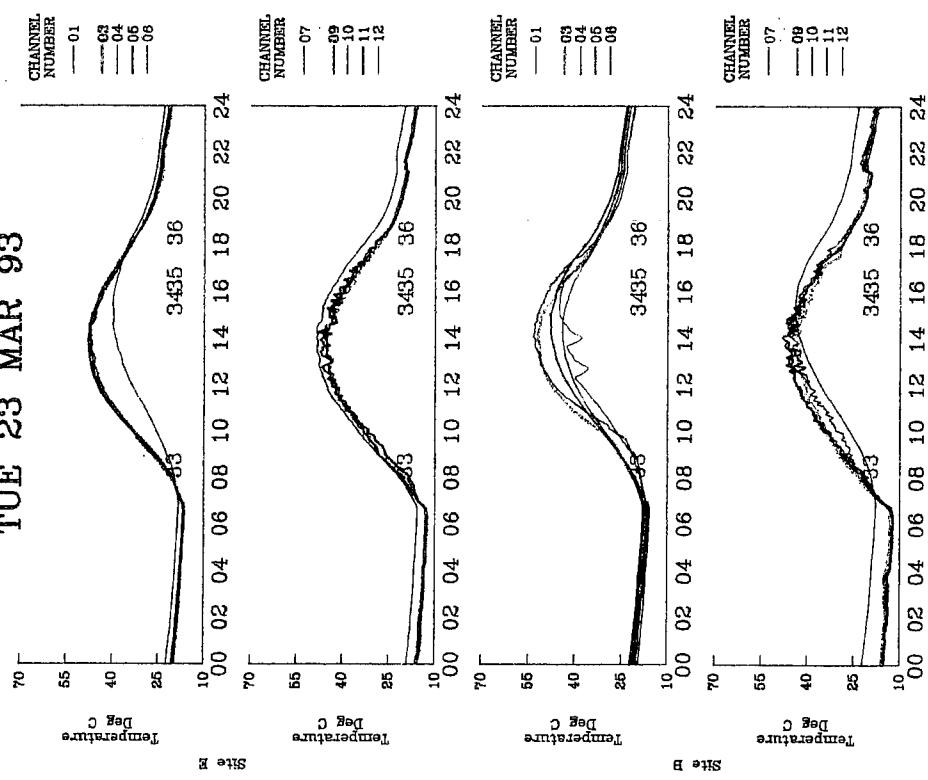
Thermal Data SUN 21 MAR 93



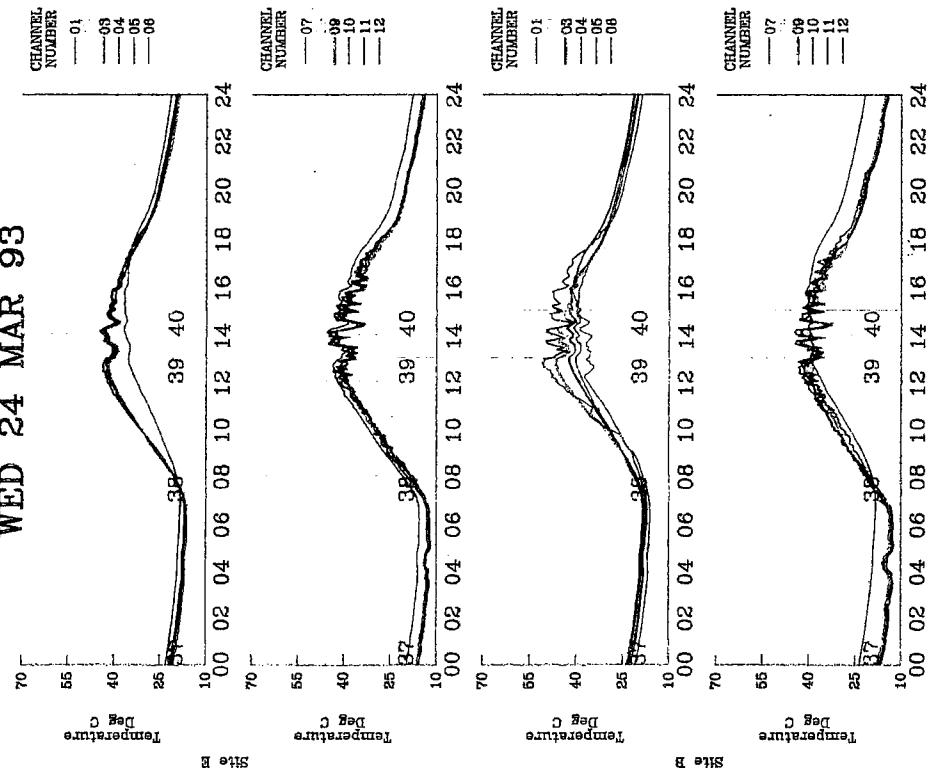
Thermal Data MON 22 MAR 93



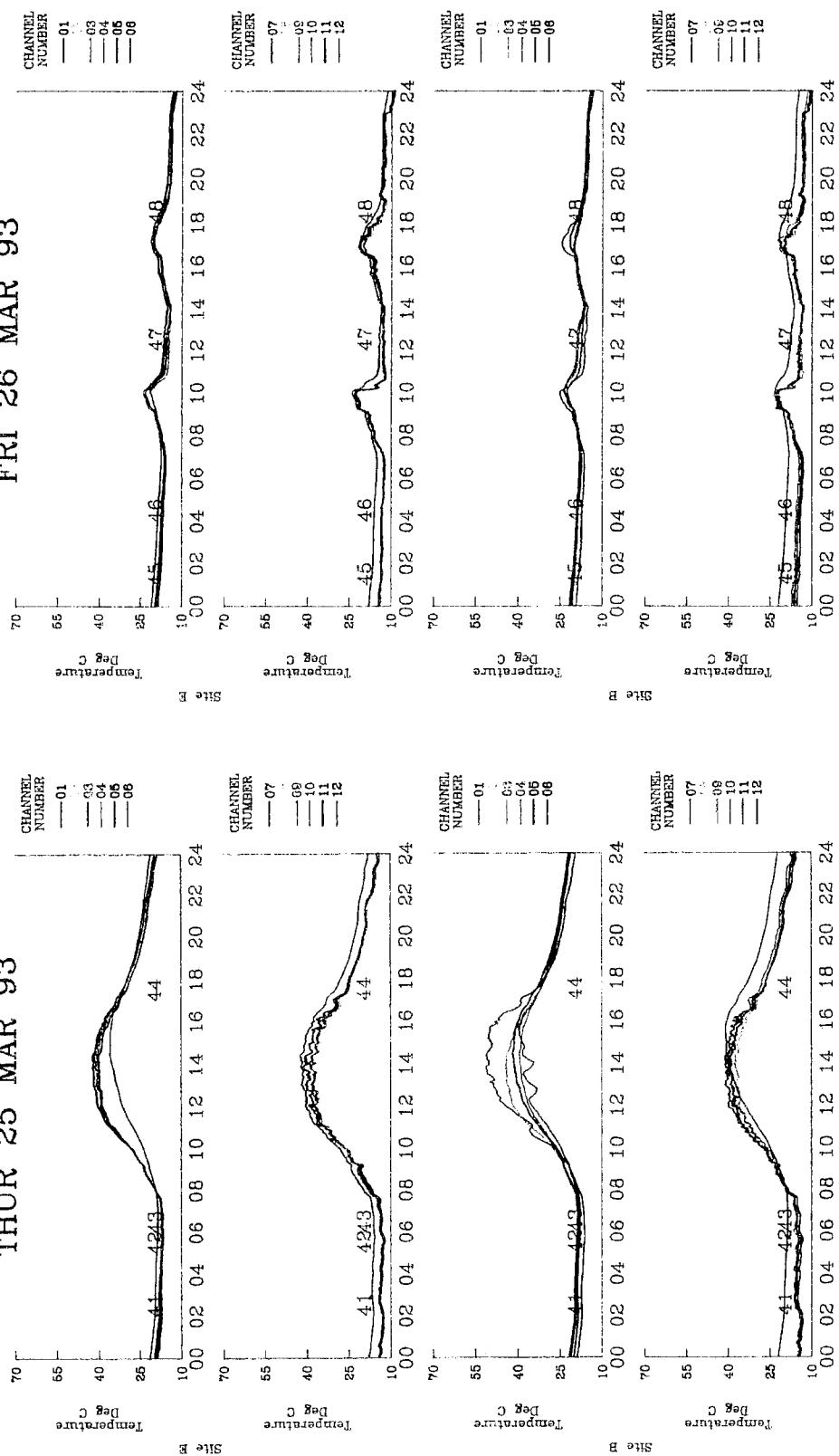
Thermal Data TUE 23 MAR 93



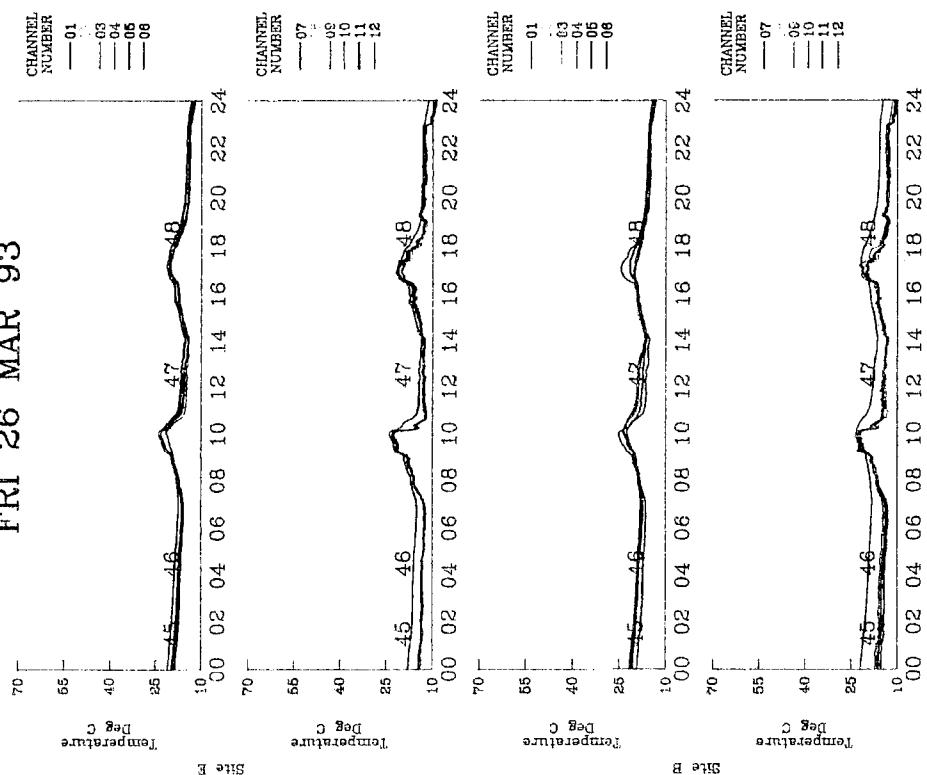
Thermal Data WED 24 MAR 93



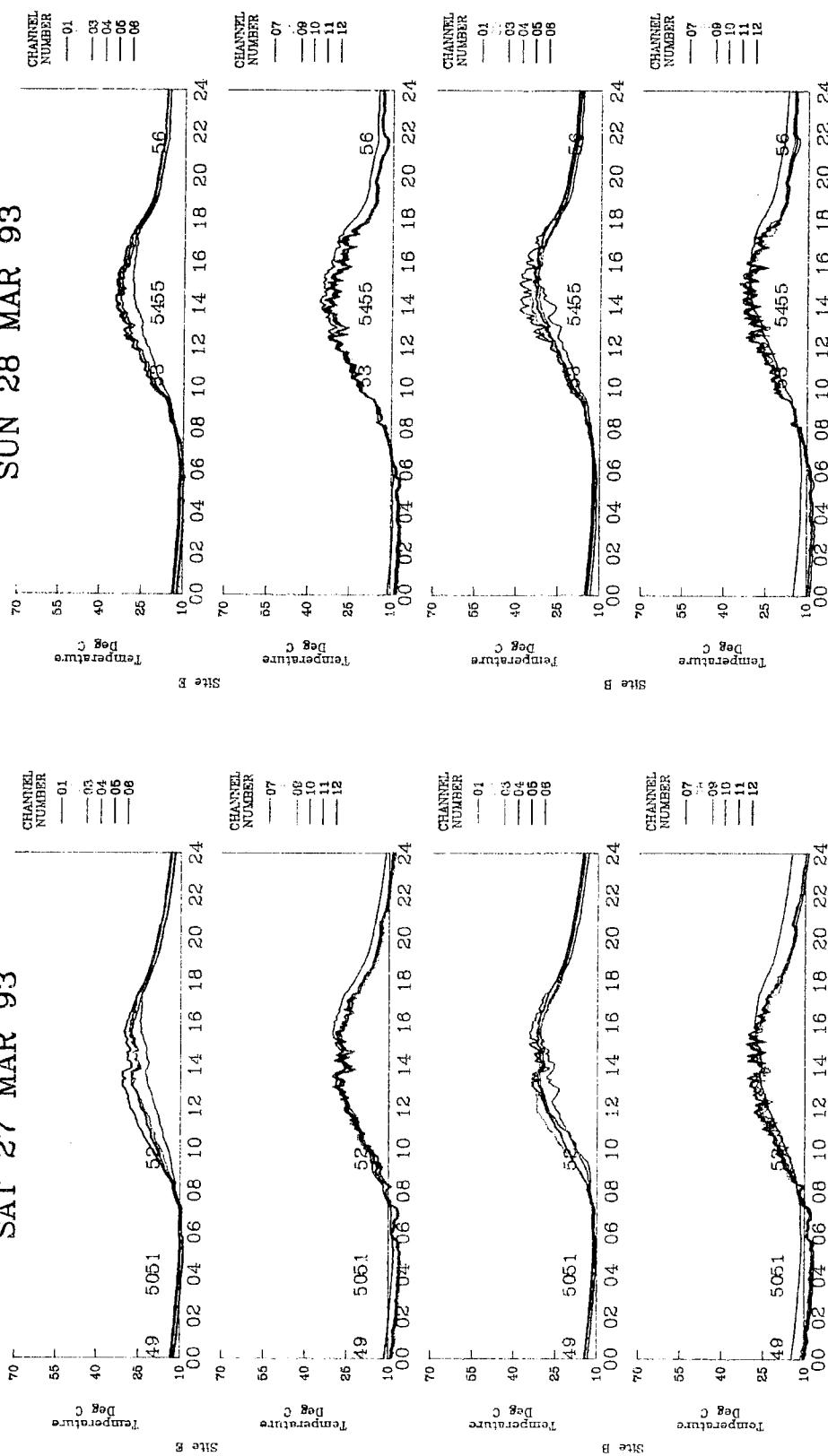
Thermal Data THUR 25 MAR 93



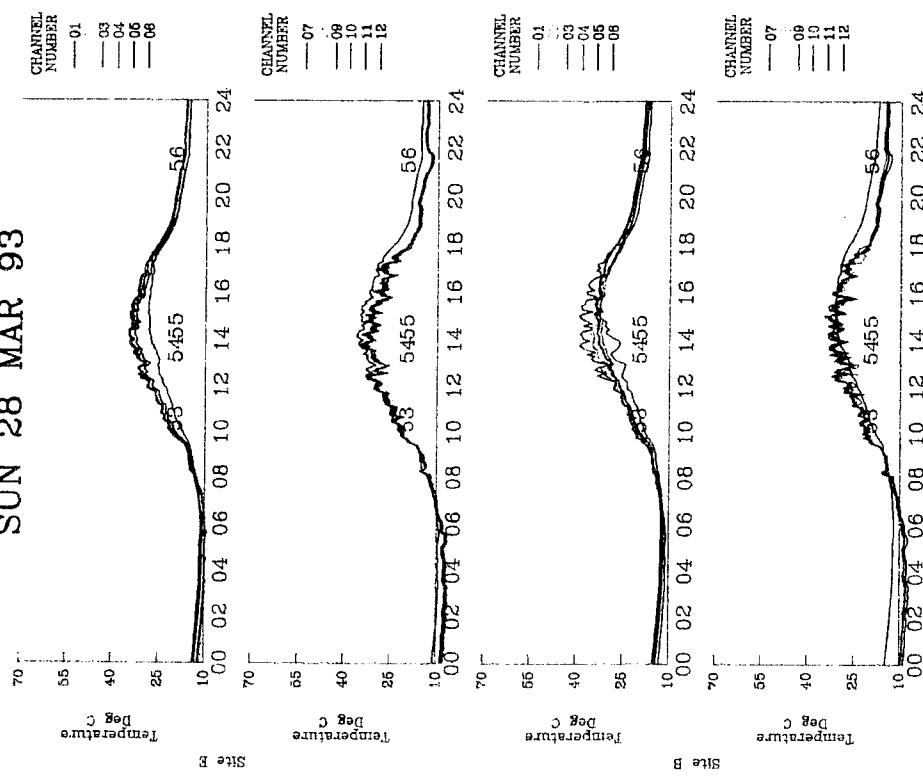
Thermal Data FRI 26 MAR 93



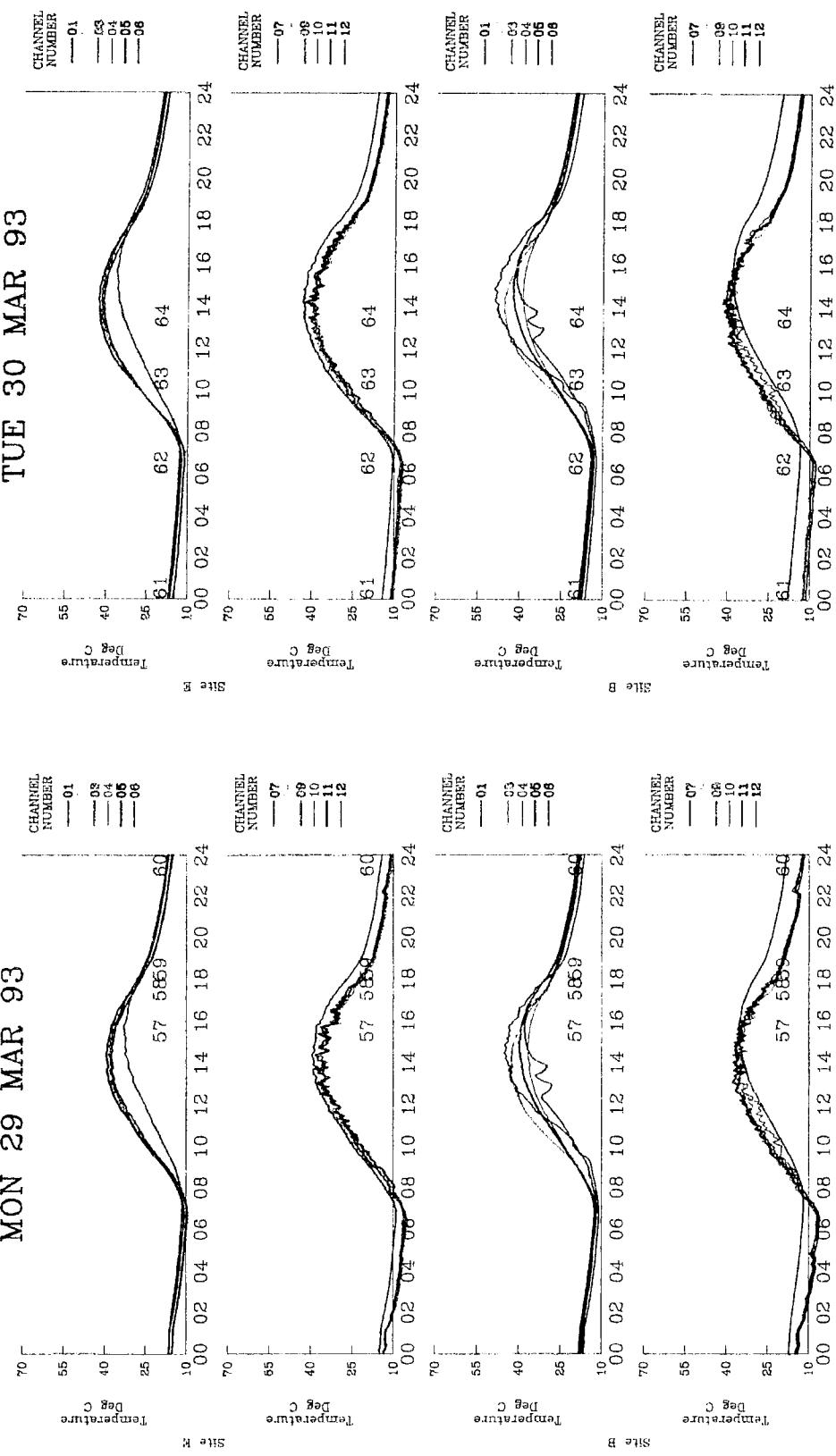
Thermal Data SAT 27 MAR 93



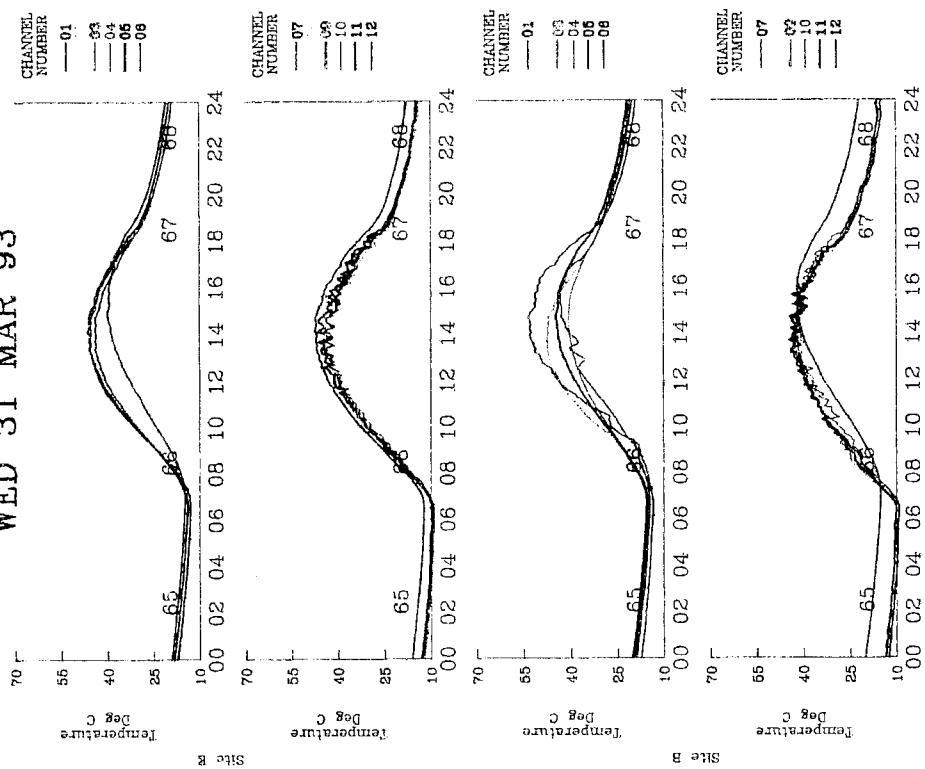
Thermal Data SUN 28 MAR 93



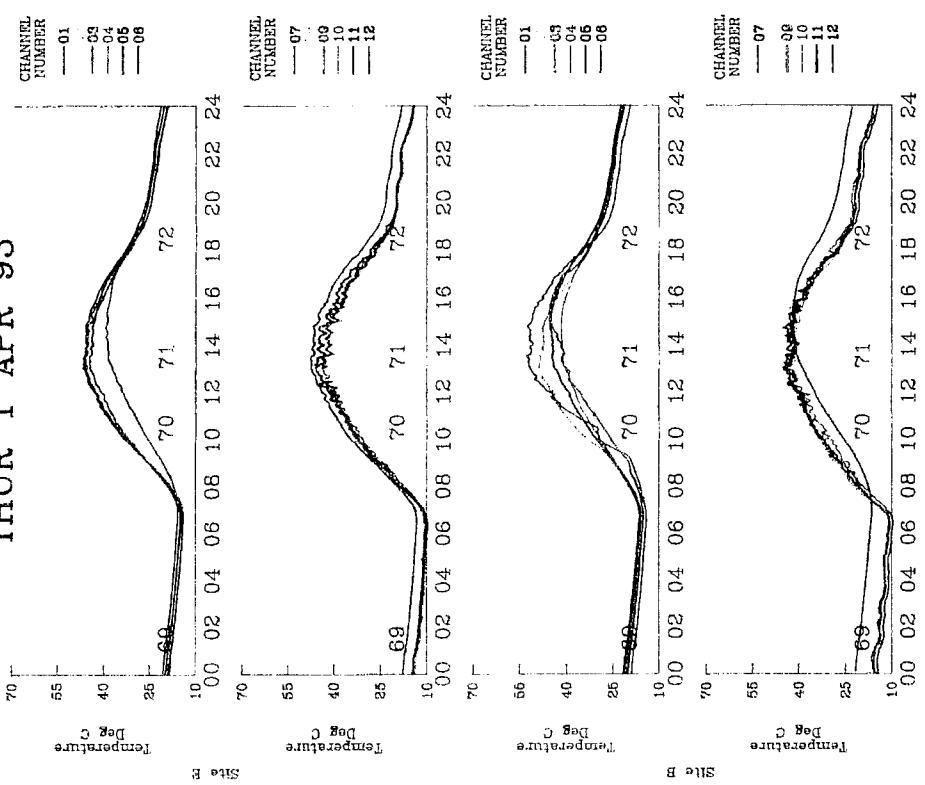
Thermal Data MON 29 MAR 93



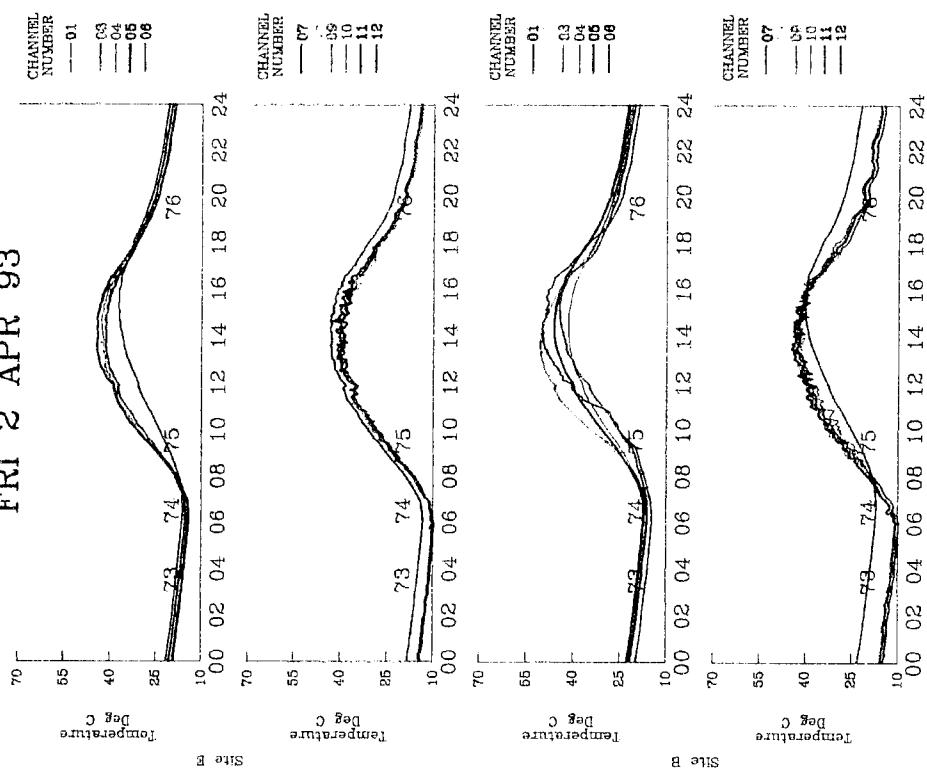
Thermal Data WED 31 MAR 93



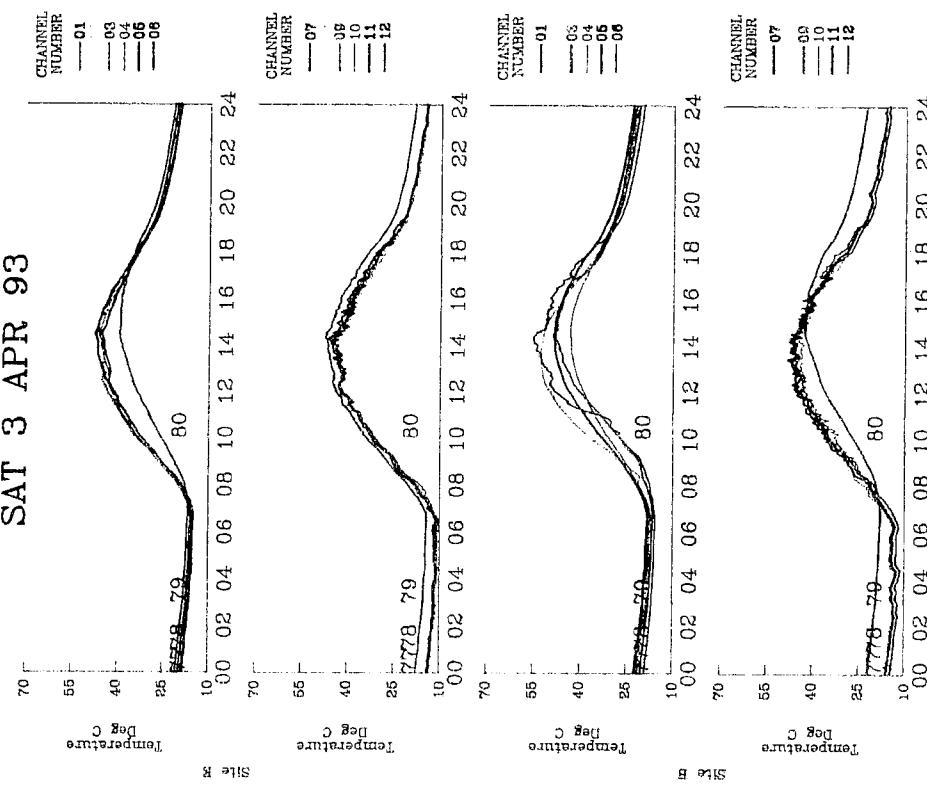
Thermal Data THUR 1 APR 93



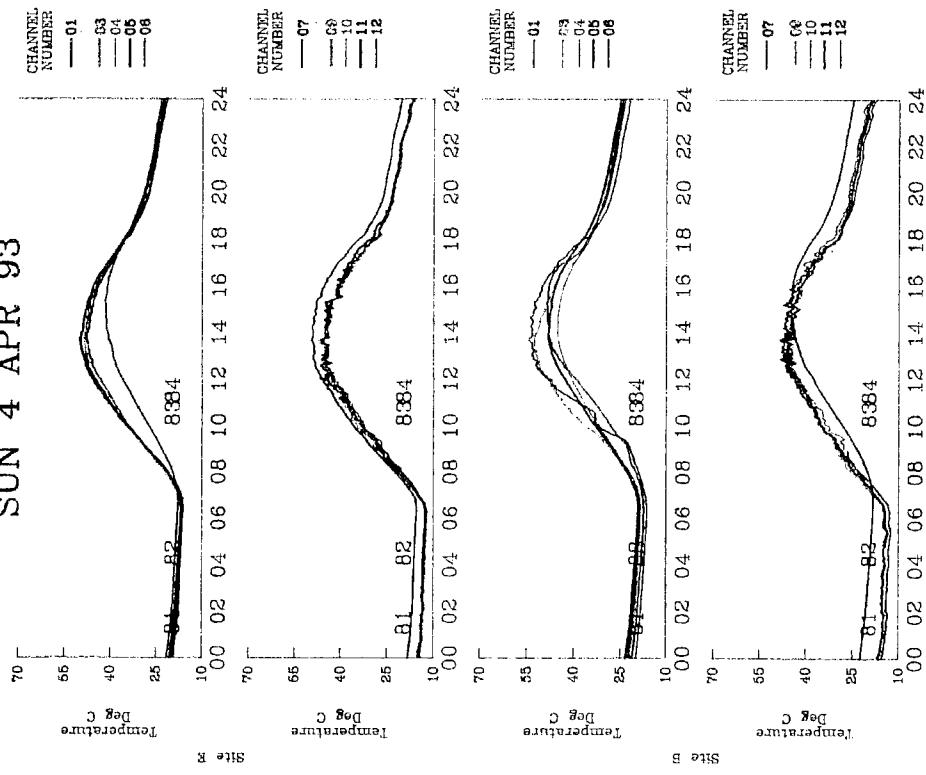
Thermal Data FRI 2 APR 93



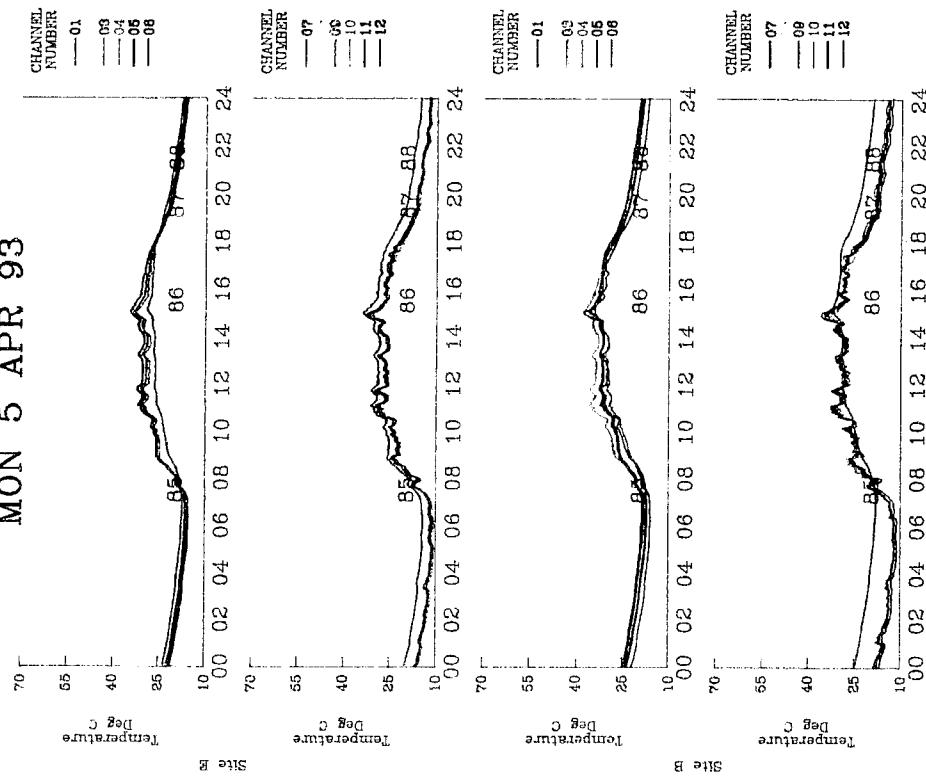
Thermal Data SAT 3 APR 93



Thermal Data SUN 4 APR 93

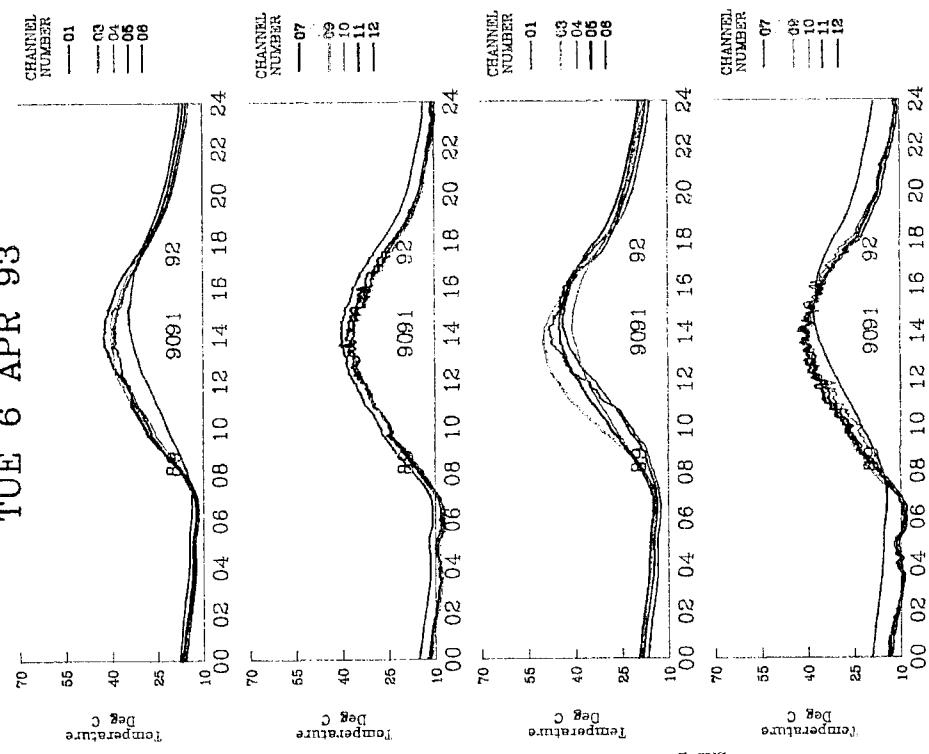


Thermal Data MON 5 APR 93



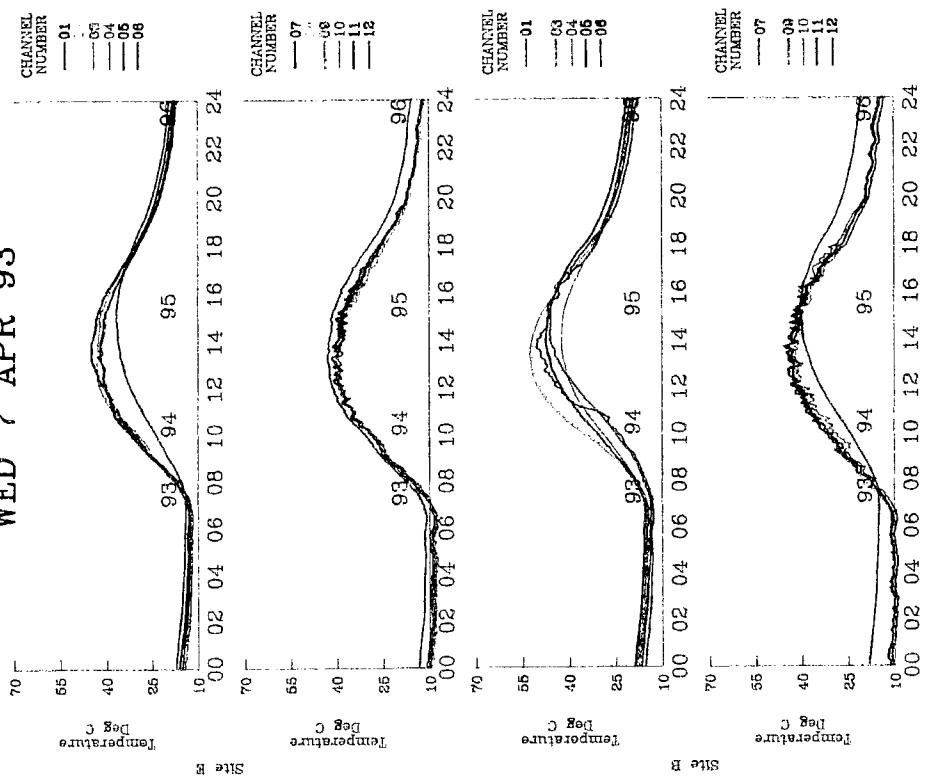
Thermal Data

TUE 6 APR 93

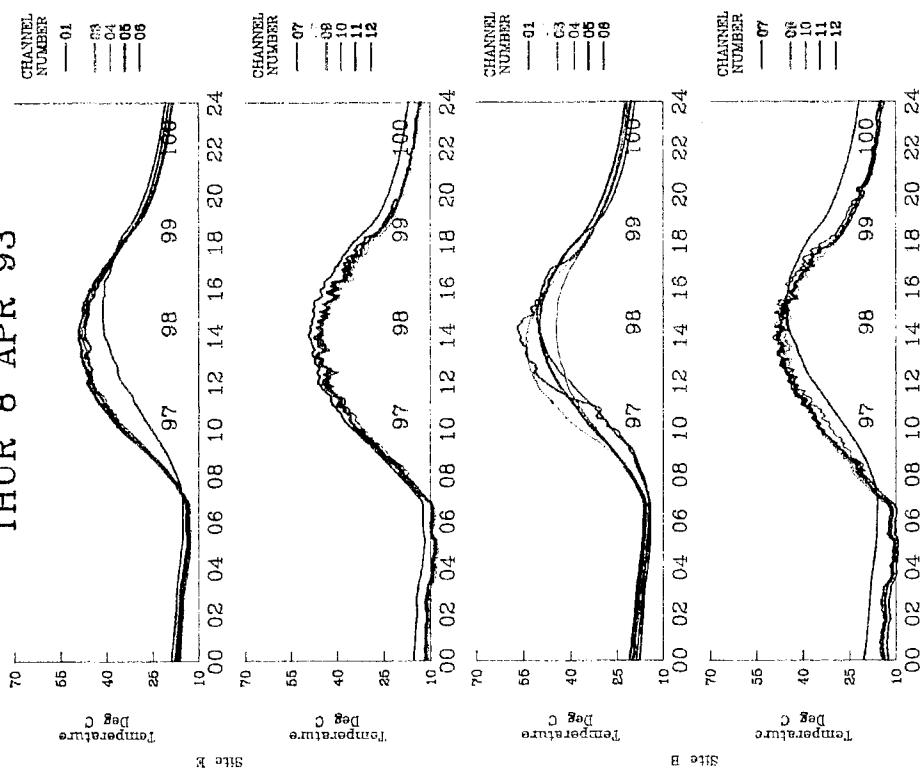


Thermal Data

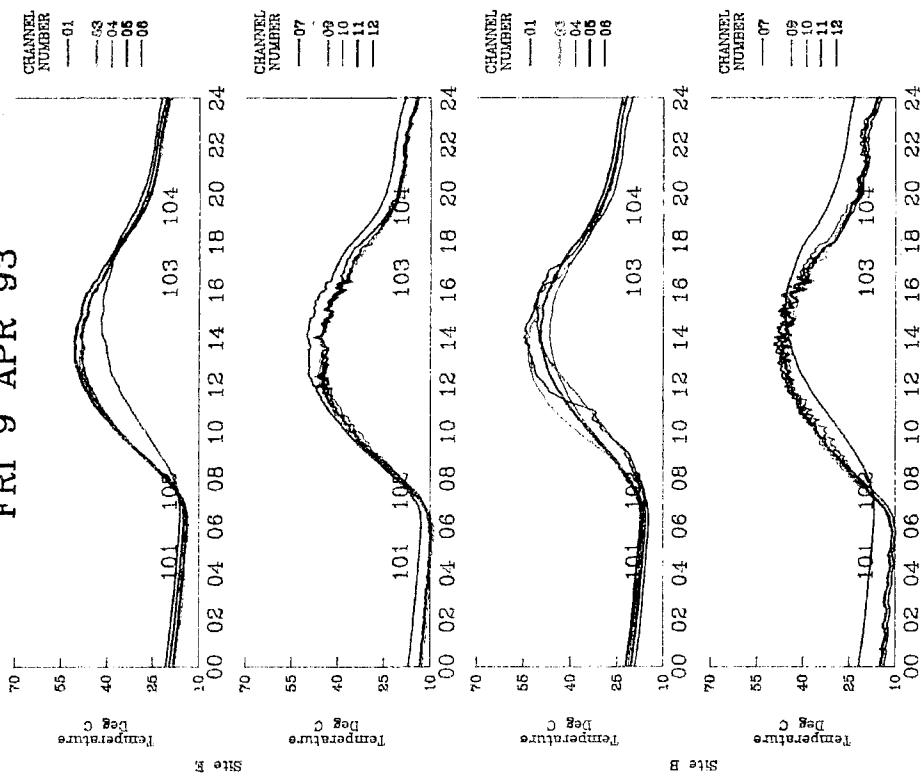
WED 7 APR 93



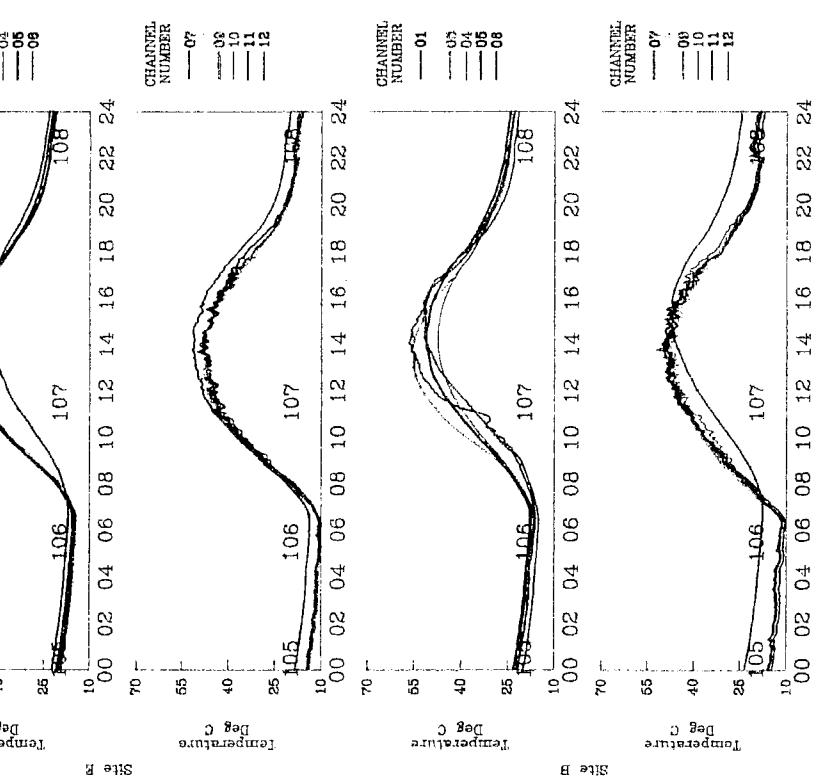
Thermal Data THUR 8 APR 93



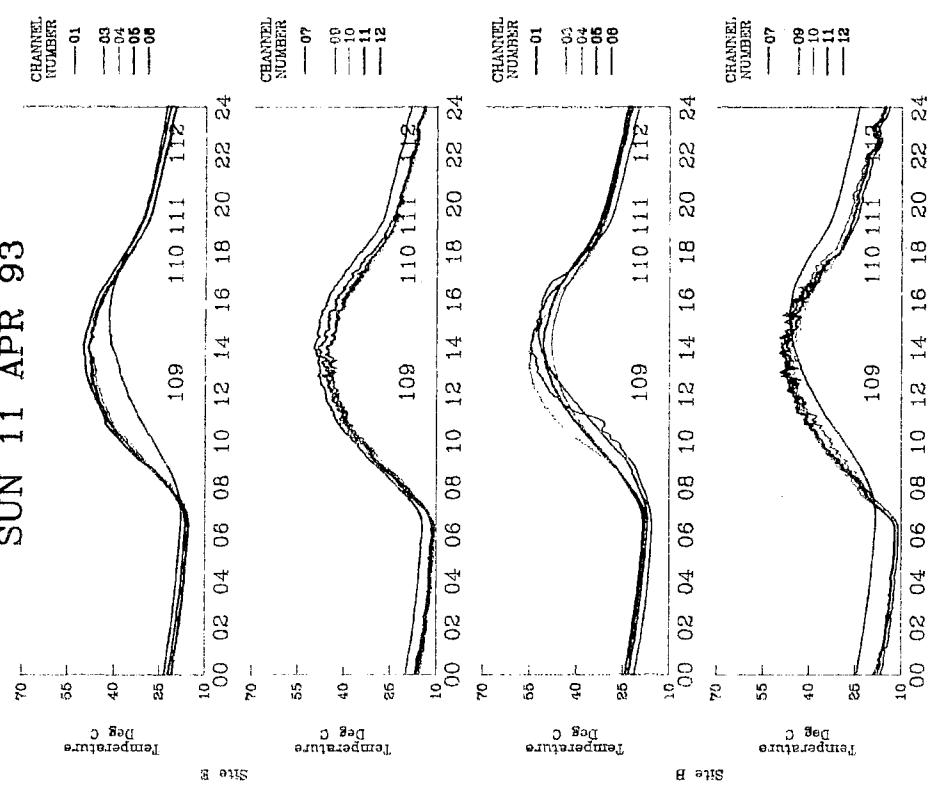
Thermal Data FRI 9 APR 93



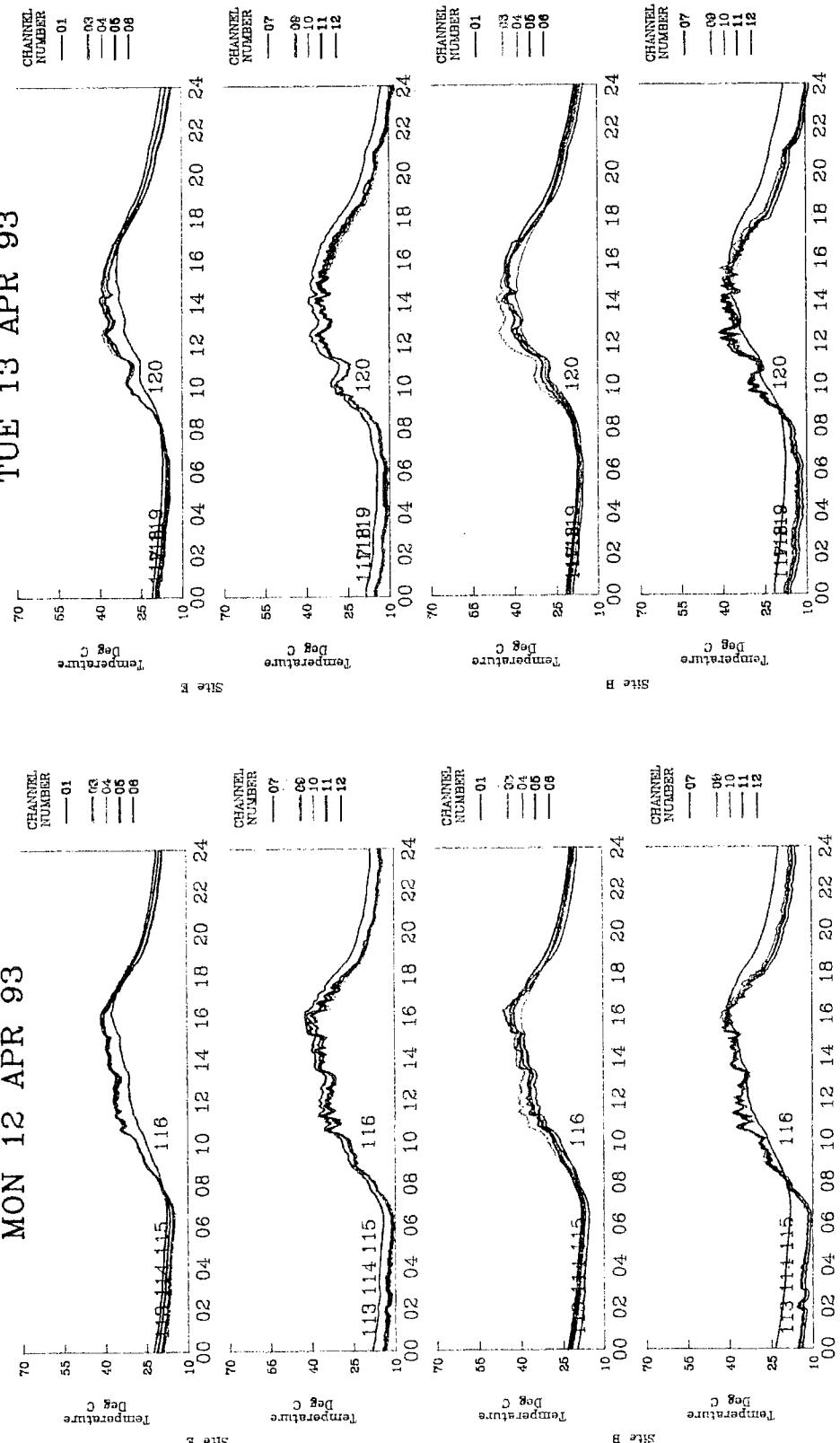
Thermal Data SAT 10 APR 93



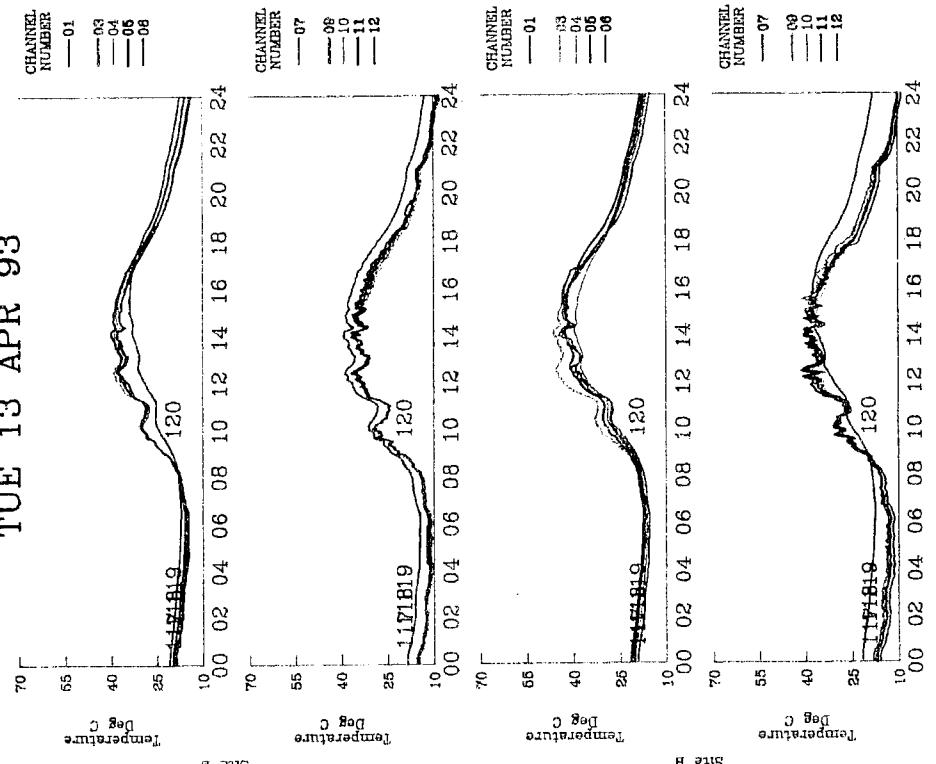
Thermal Data SUN 11 APR 93



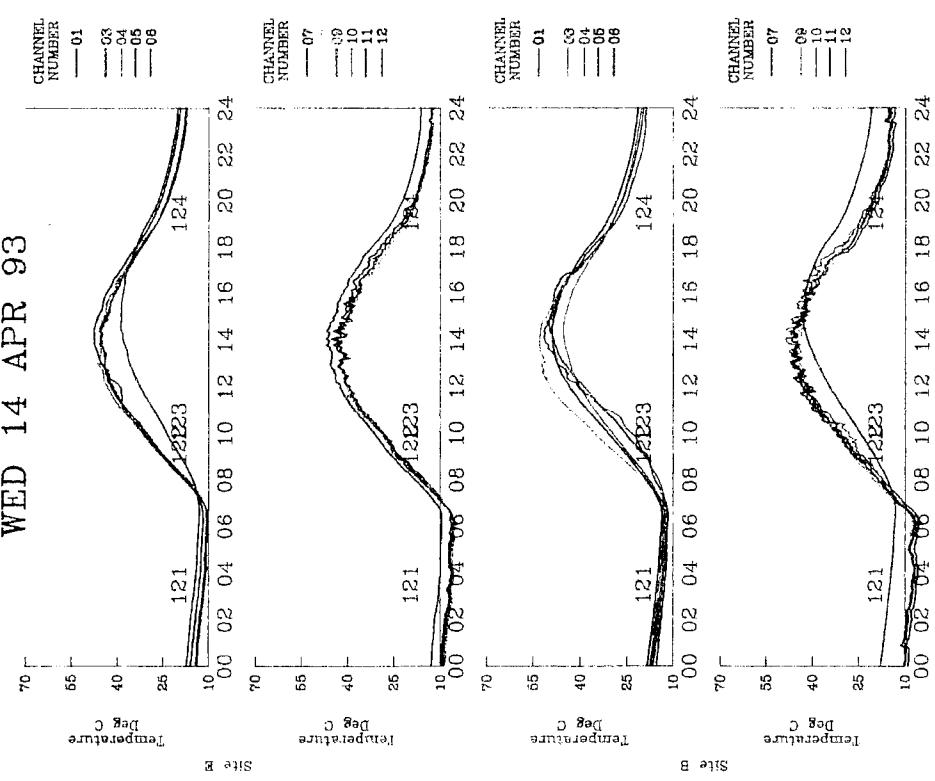
Thermal Data MON 12 APR 93



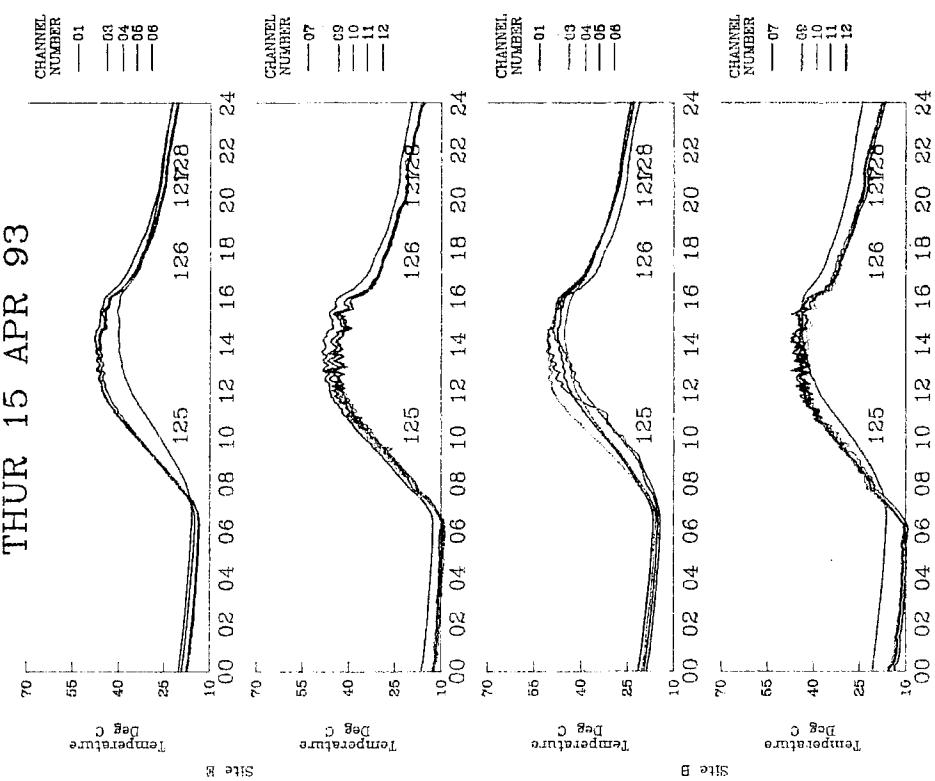
Thermal Data TUE 13 APR 93



Thermal Data WED 14 APR 93

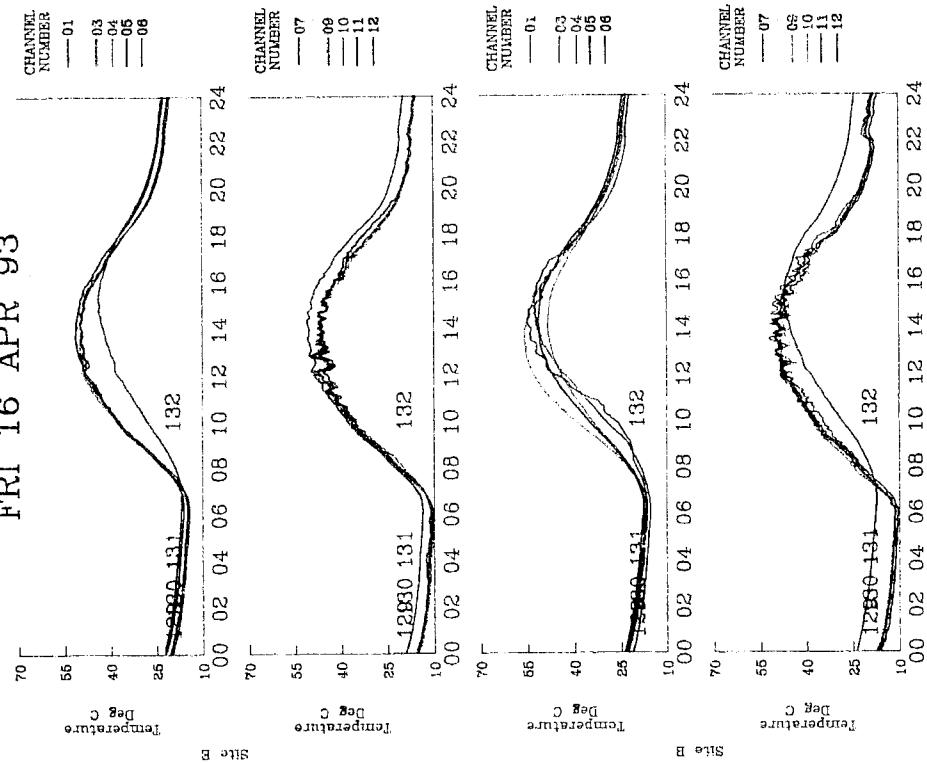


Thermal Data THUR 15 APR 93



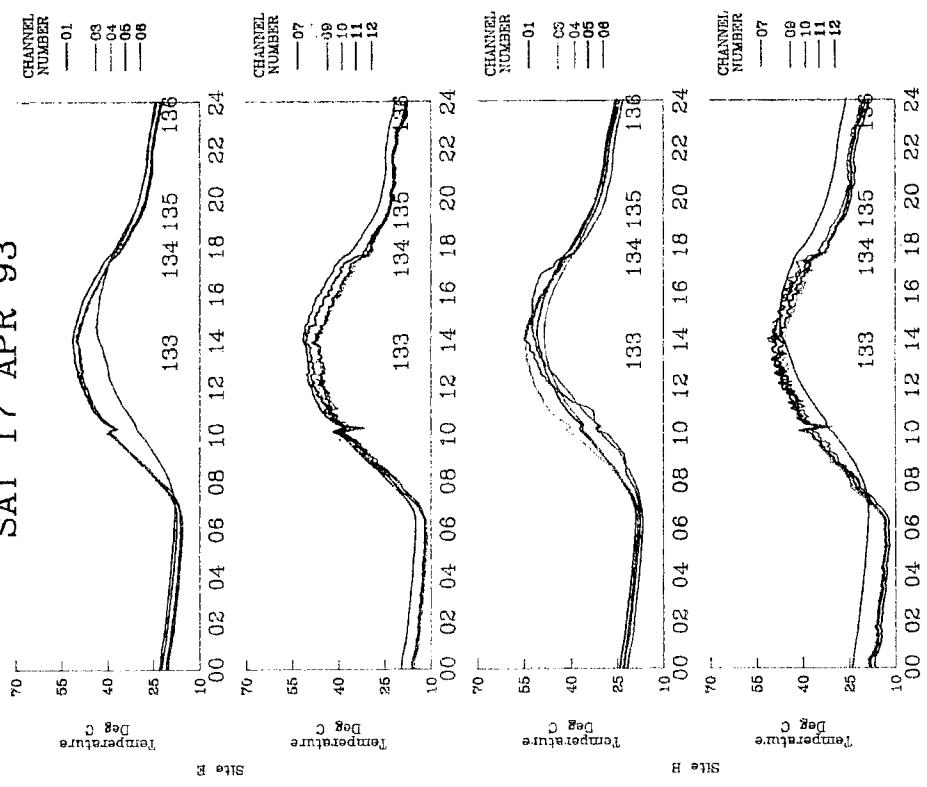
Thermal Data

FRI 16 APR 93

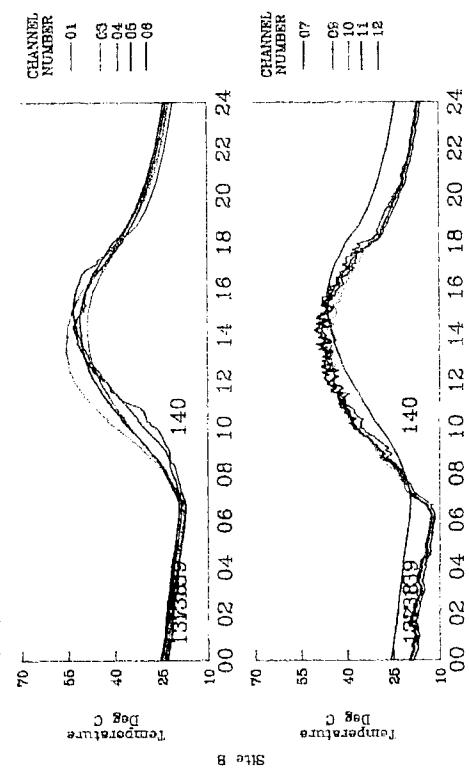
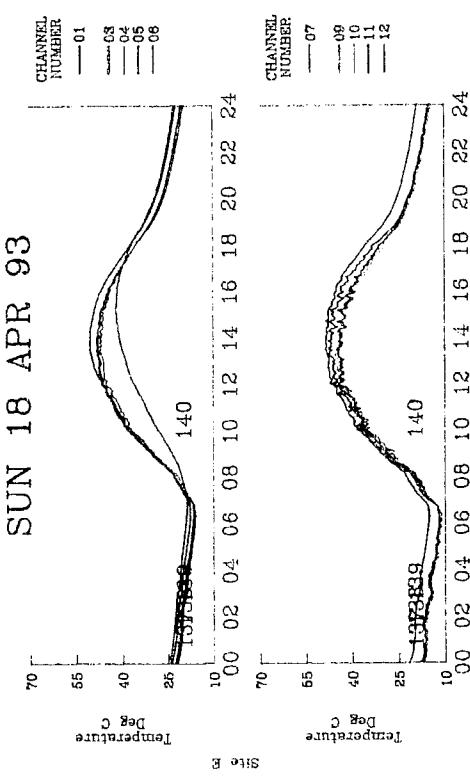


Thermal Data

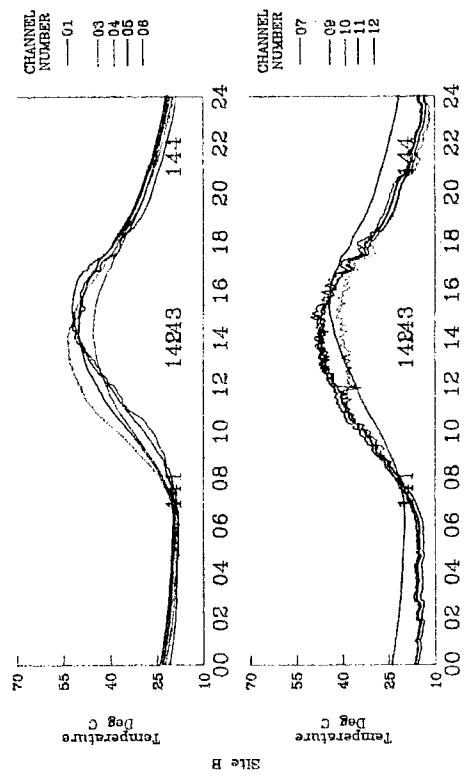
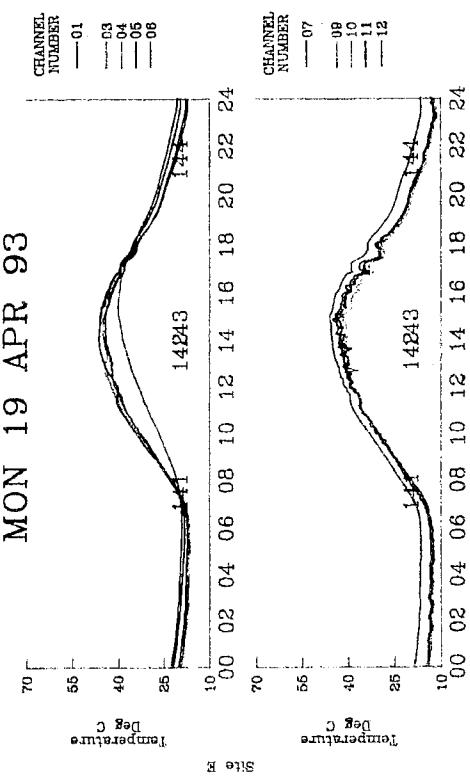
SAT 17 APR 93



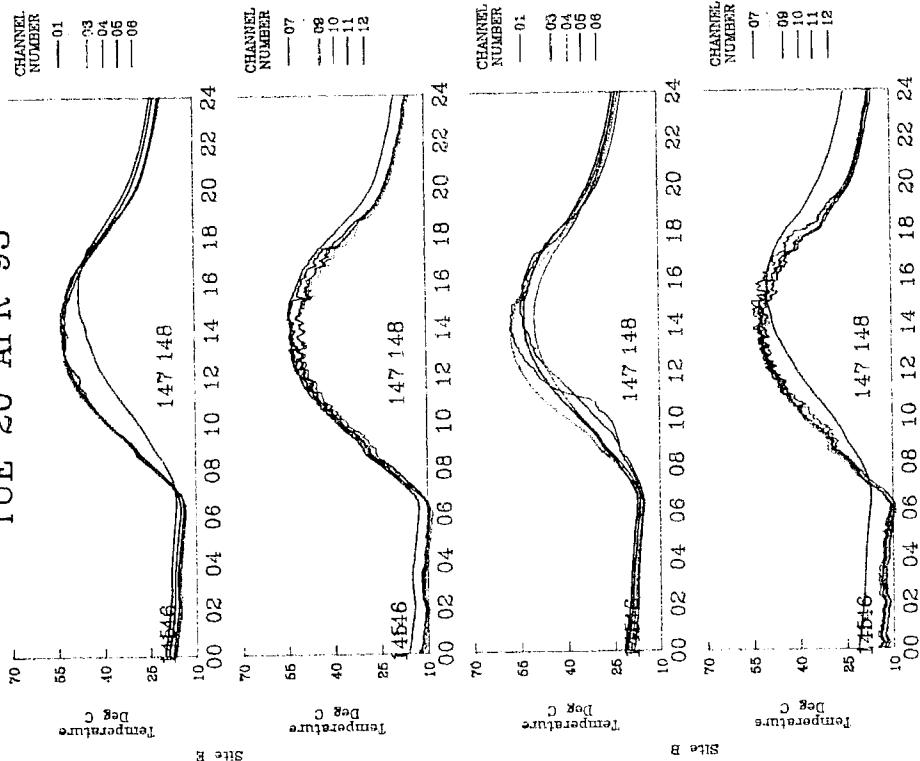
Thermal Data
SUN 18 APR 93



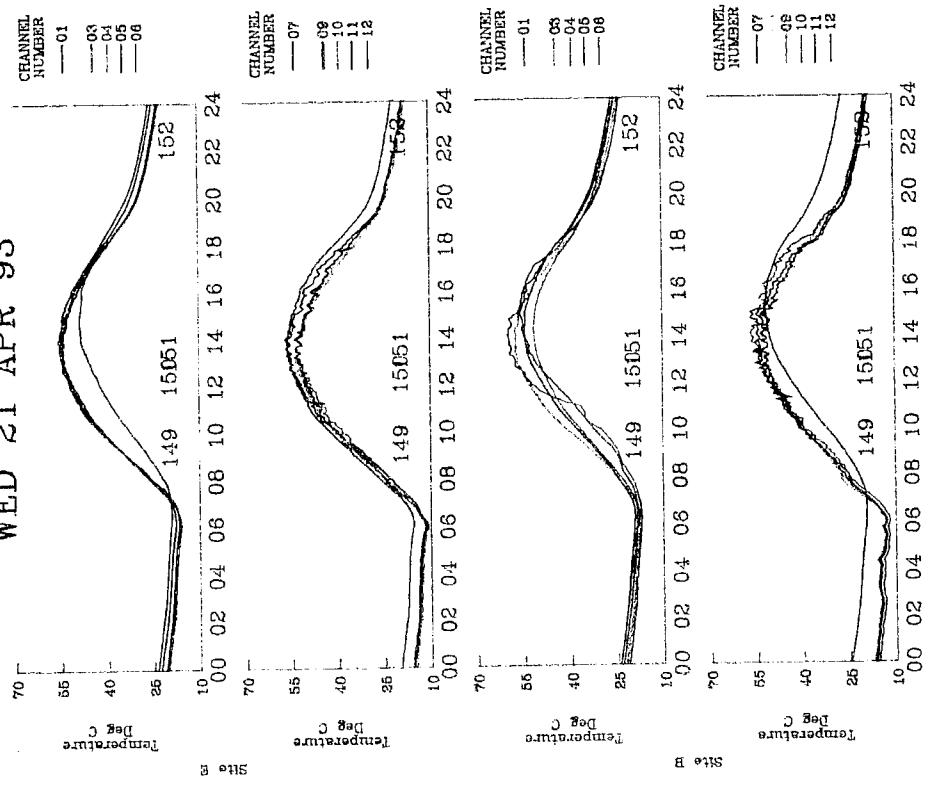
Thermal Data
MON 19 APR 93



Thermal Data TUE 20 APR 93

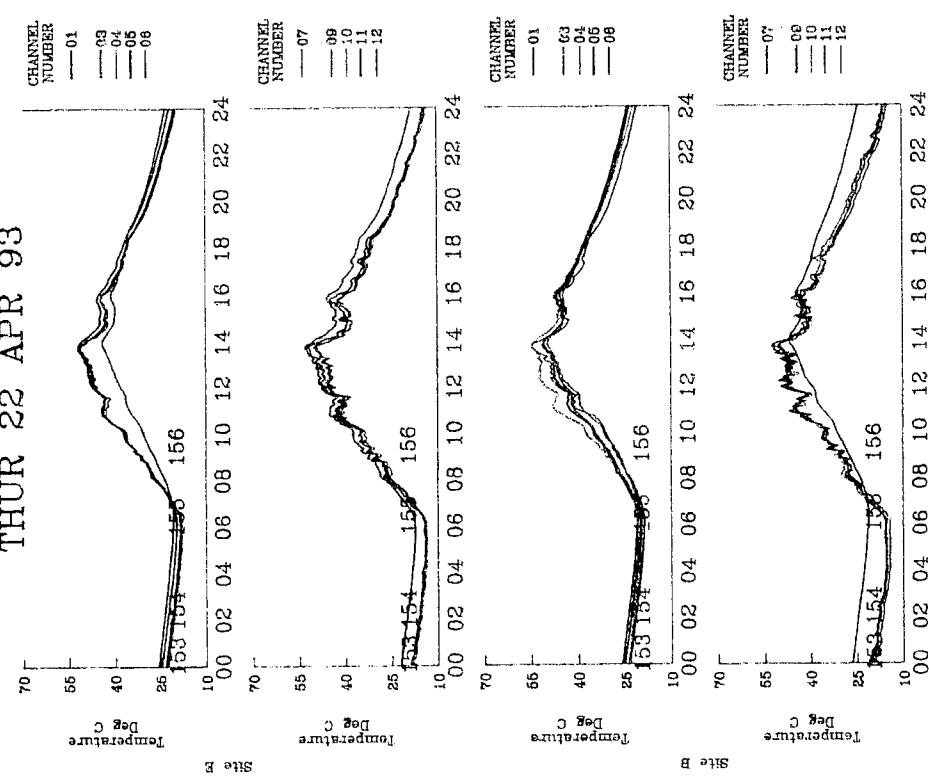


Thermal Data WED 21 APR 93



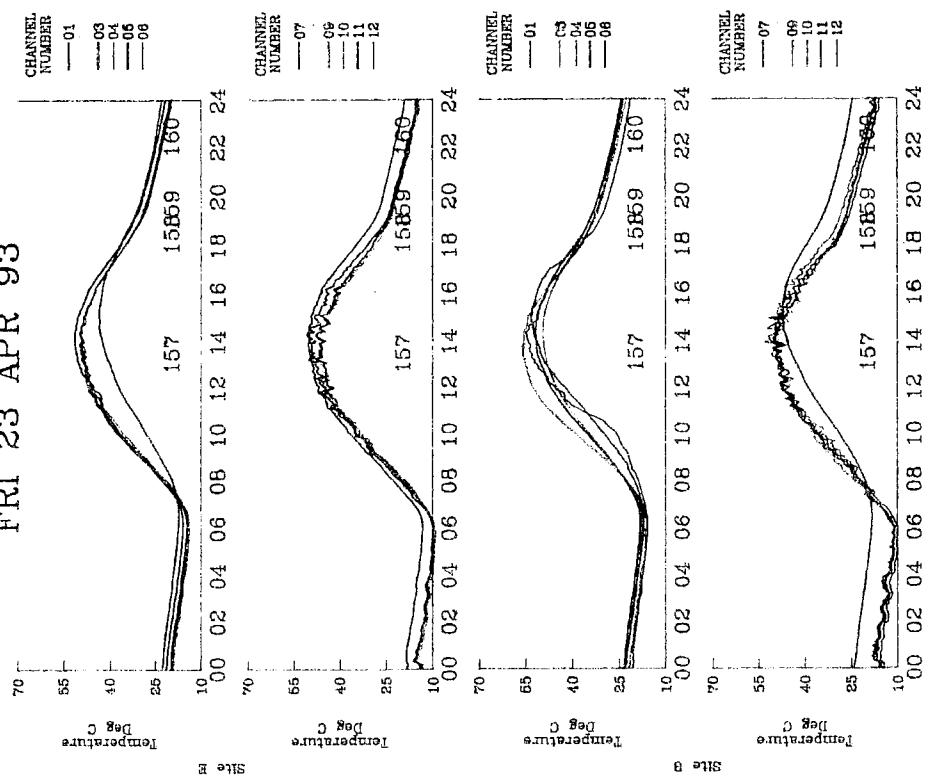
Thermal Data

THUR 22 APR 93

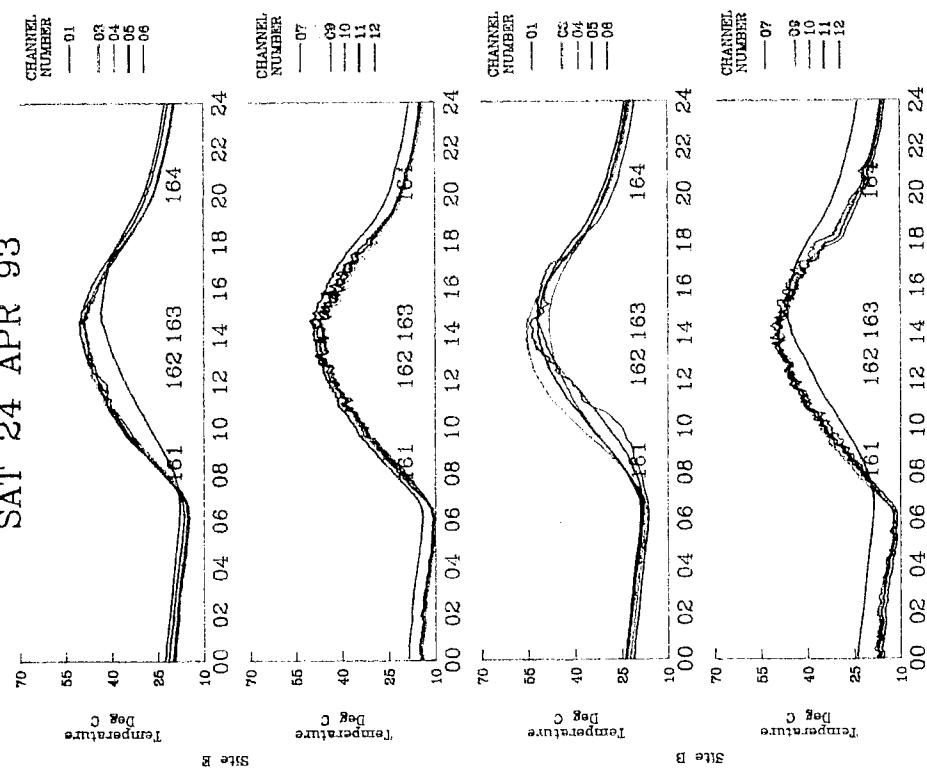


Thermal Data

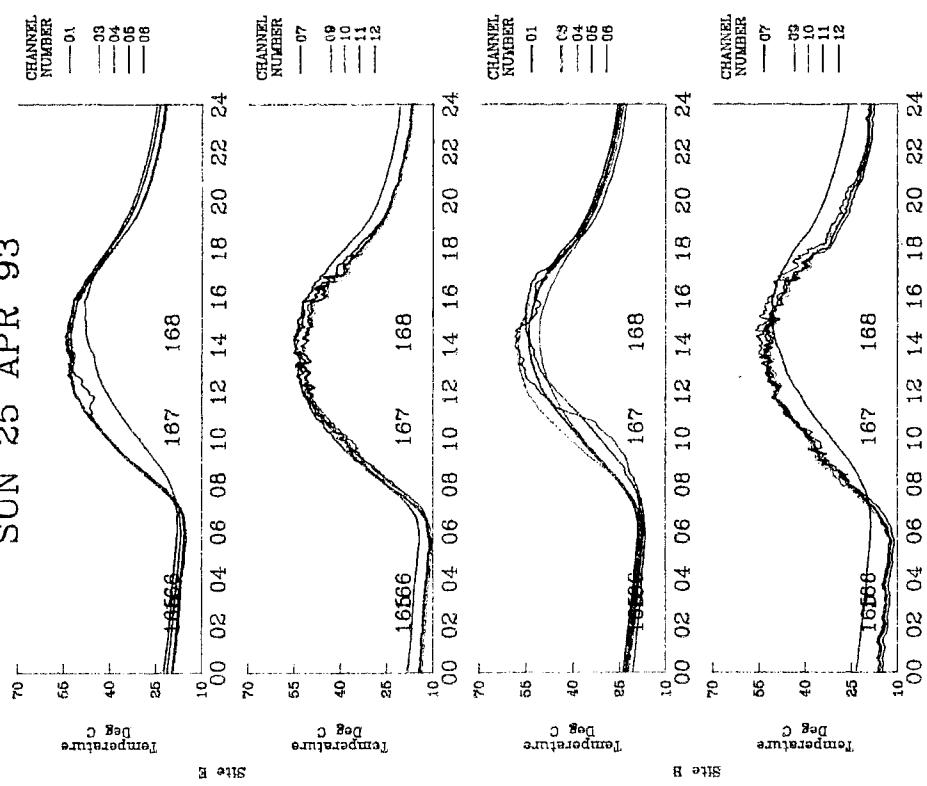
FRI 23 APR 93



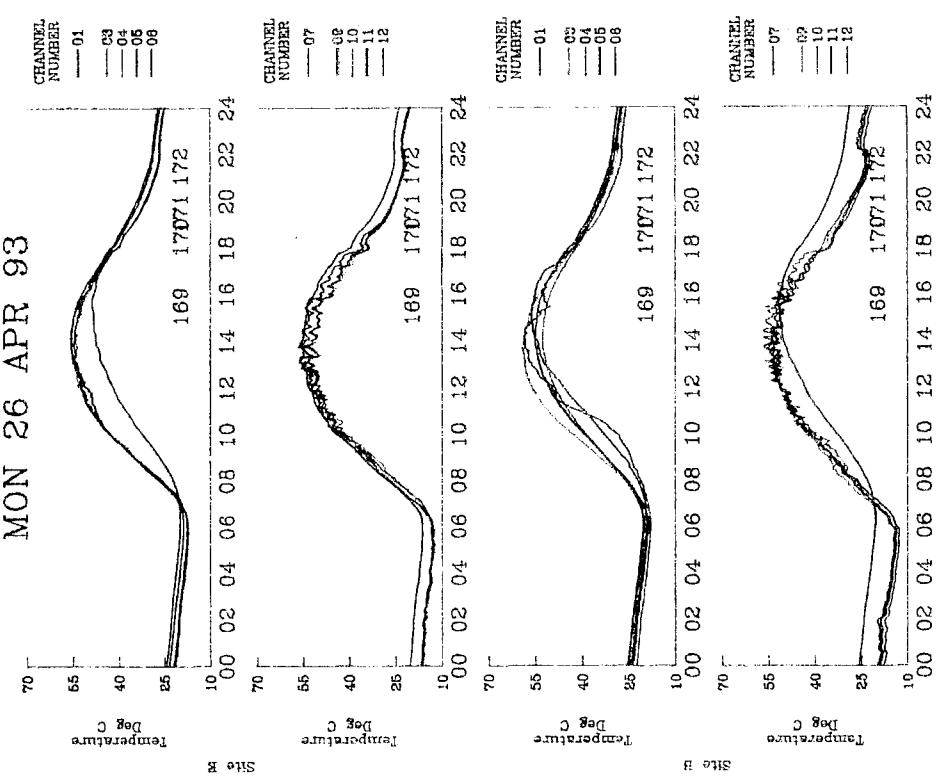
Thermal Data SAT 24 APR 93



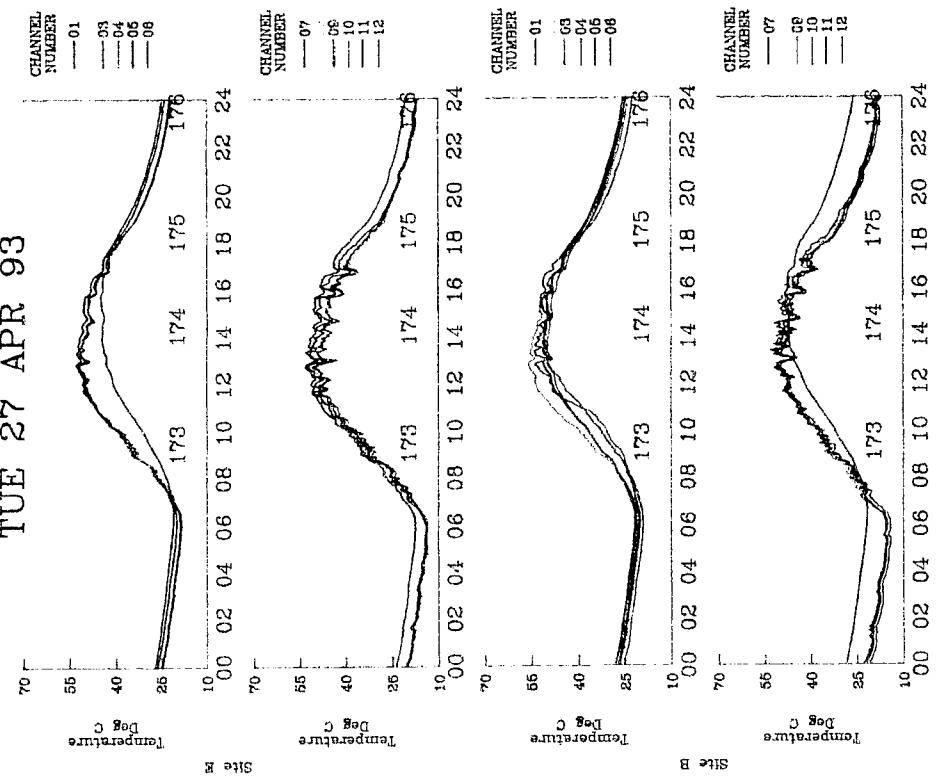
Thermal Data SUN 25 APR 93



Thermal Data MON 26 APR 93

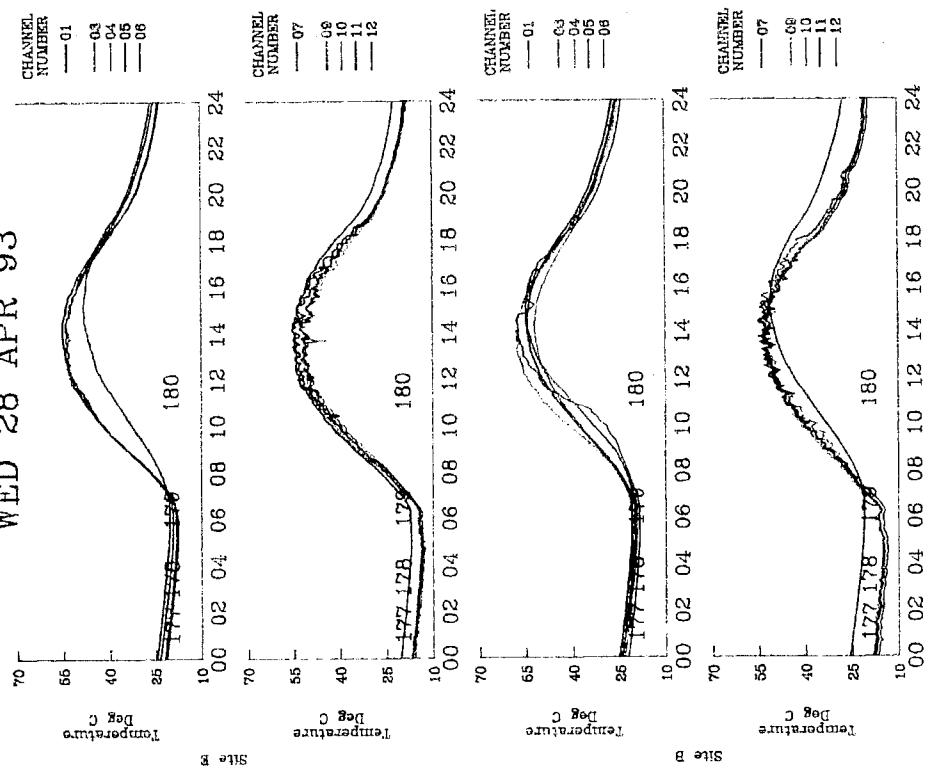


Thermal Data TUE 27 APR 93



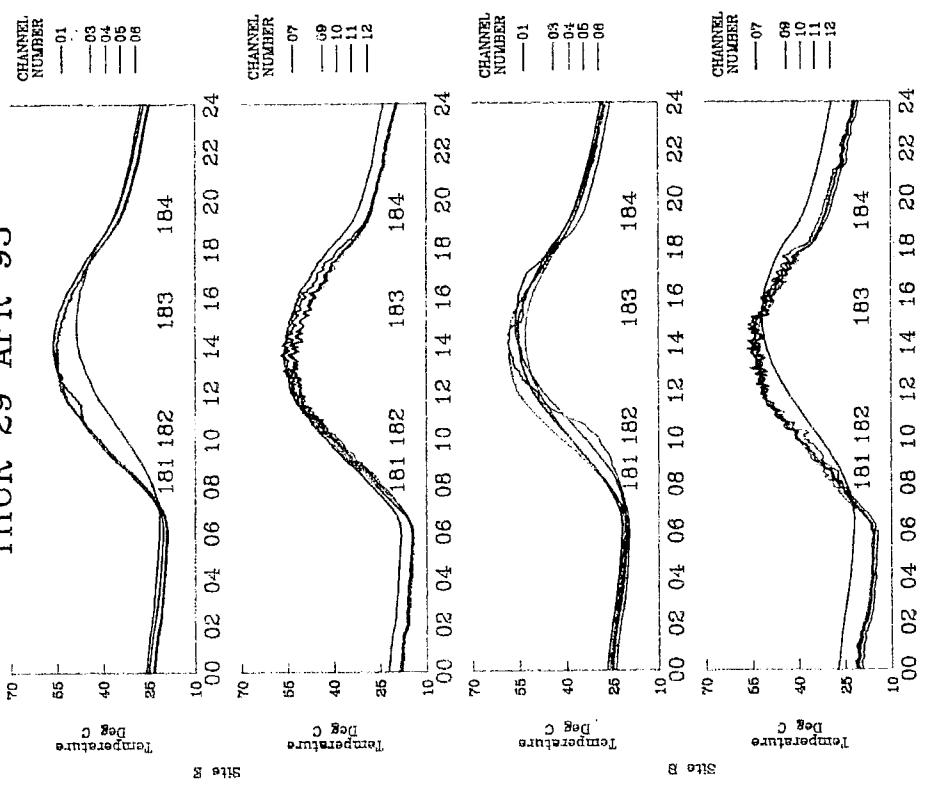
Thermal Data

WED 28 APR 93



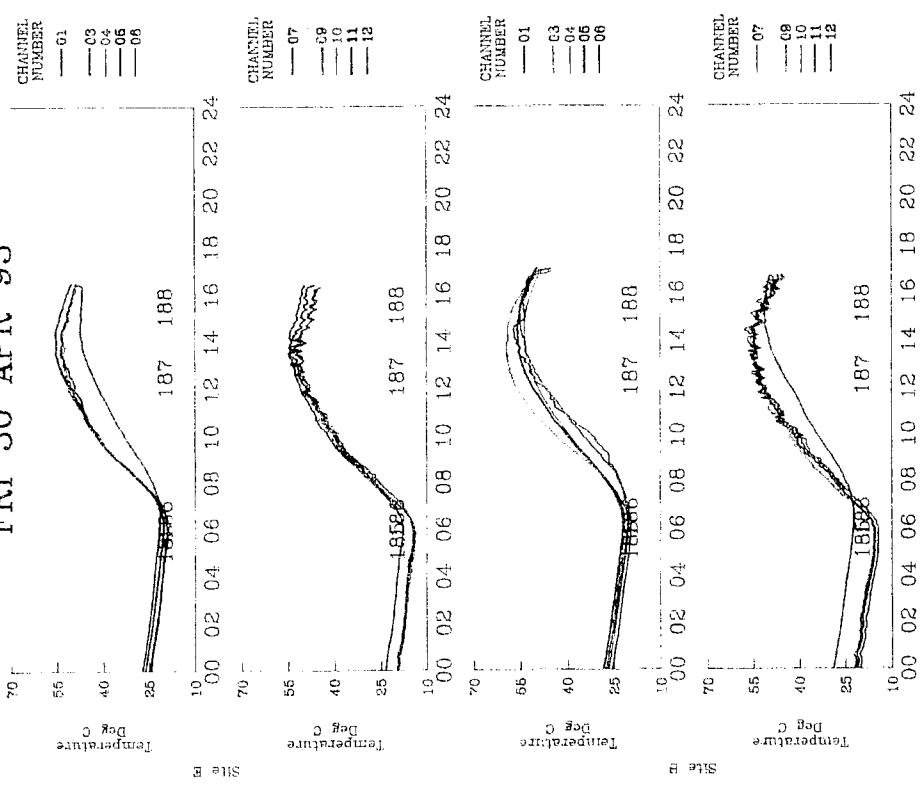
Thermal Data

THUR 29 APR 93



Thermal Data

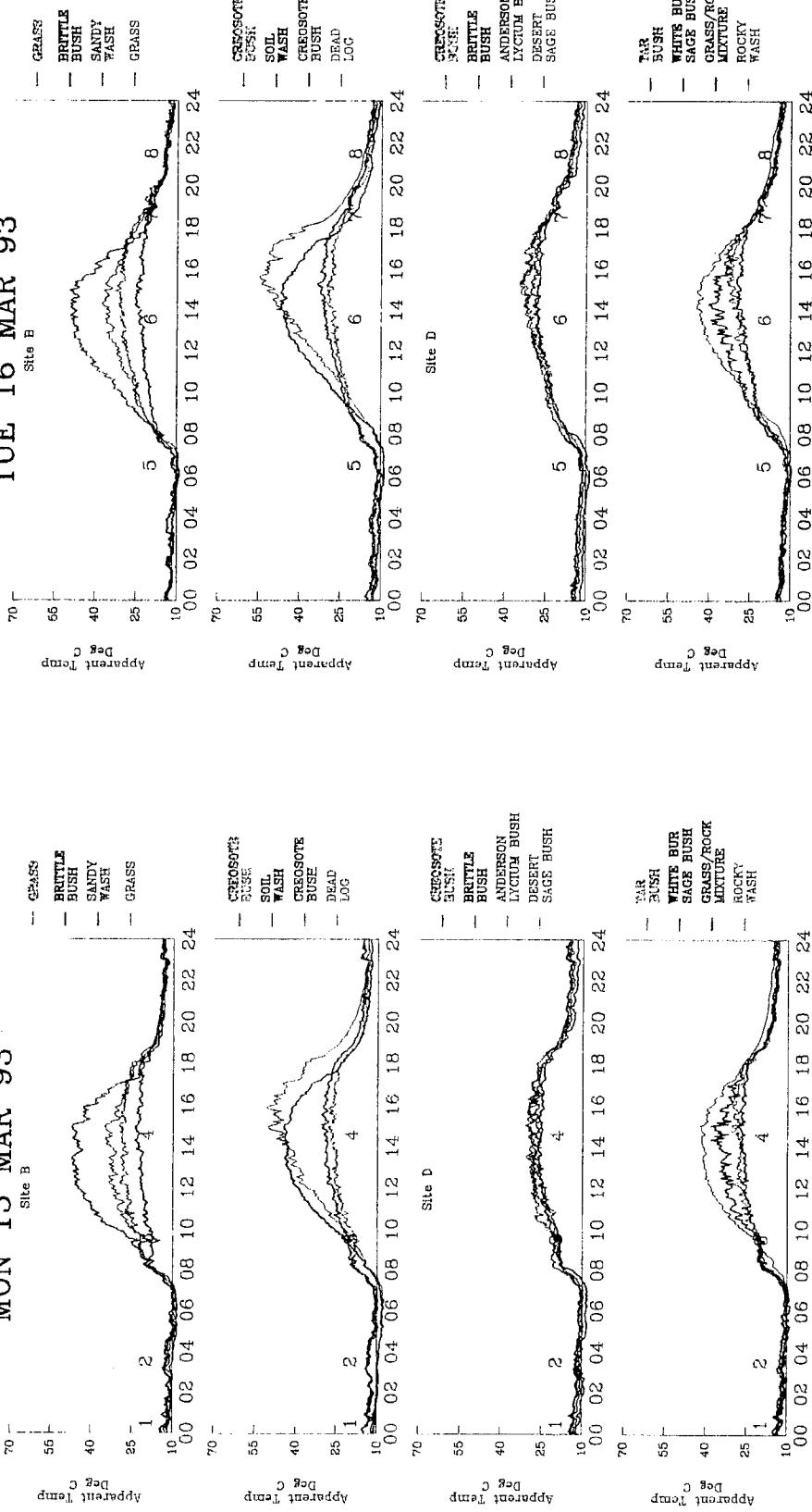
FRI 30 APR 93



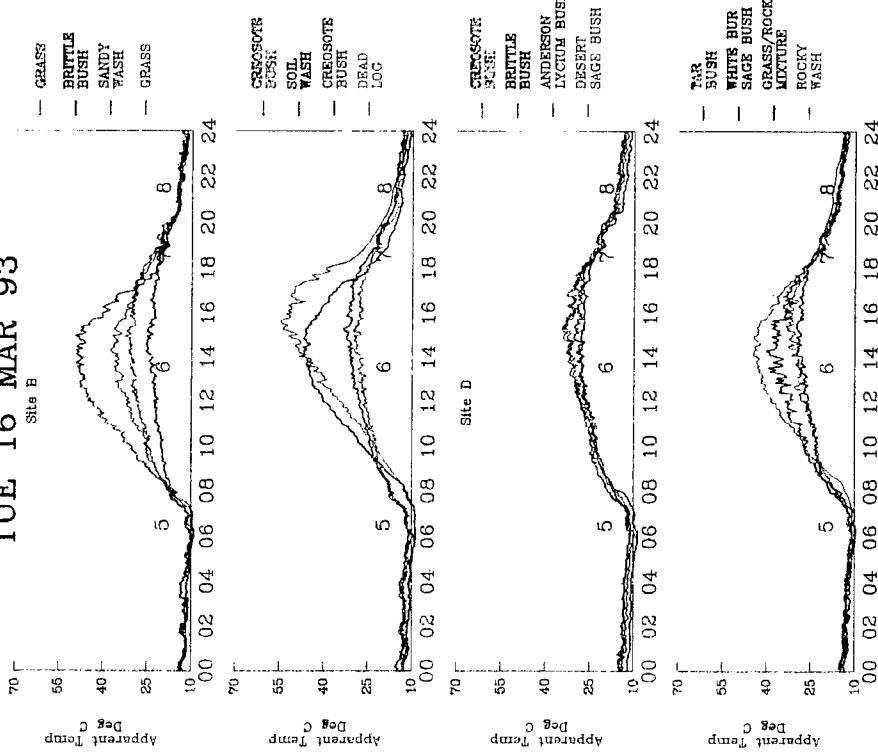
Appendix E

Daily Feature Array Thermal Data Plots

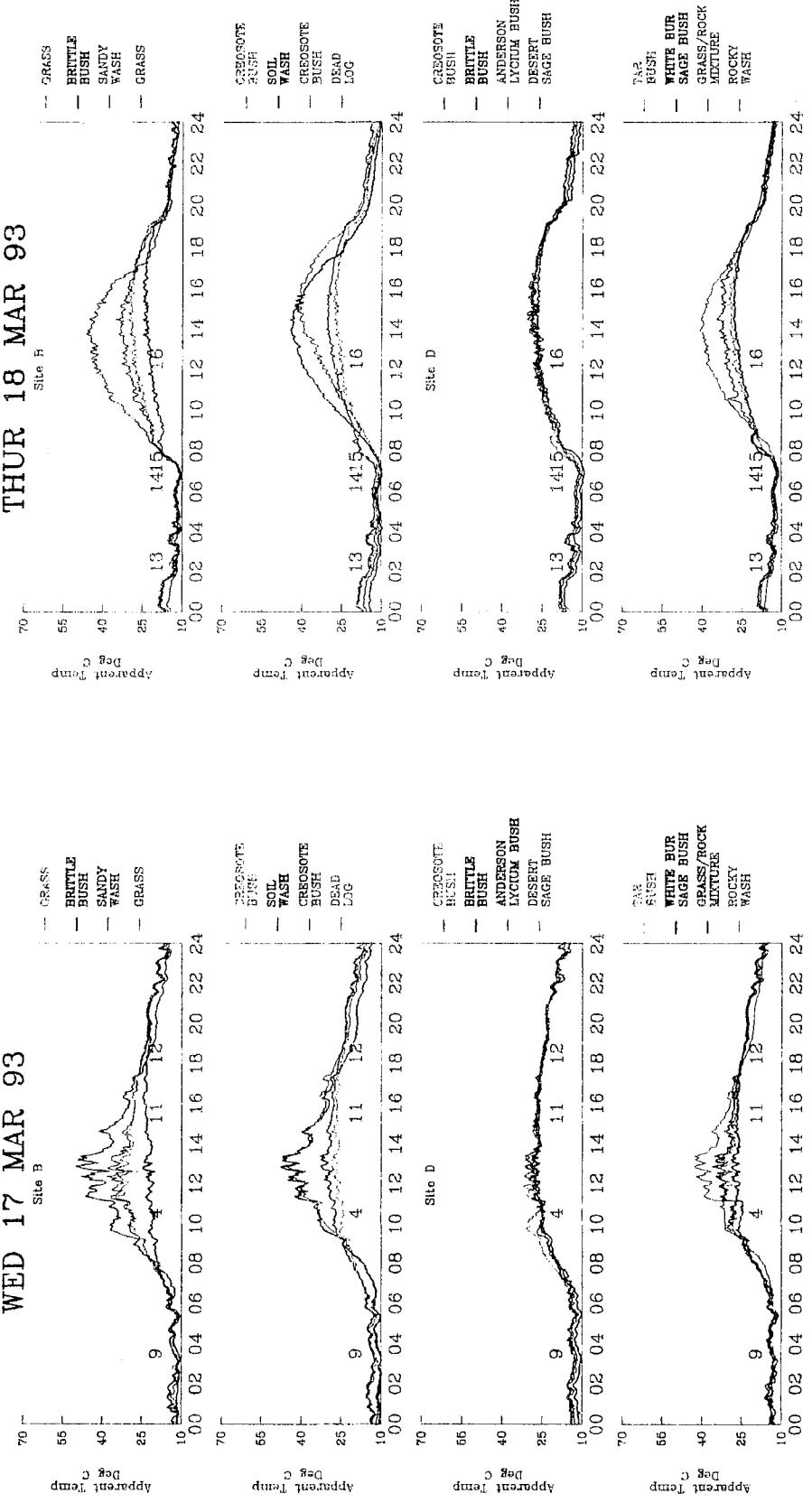
Apparent Temperature MON 15 MAR 93



Apparent Temperature TUE 16 MAR 93

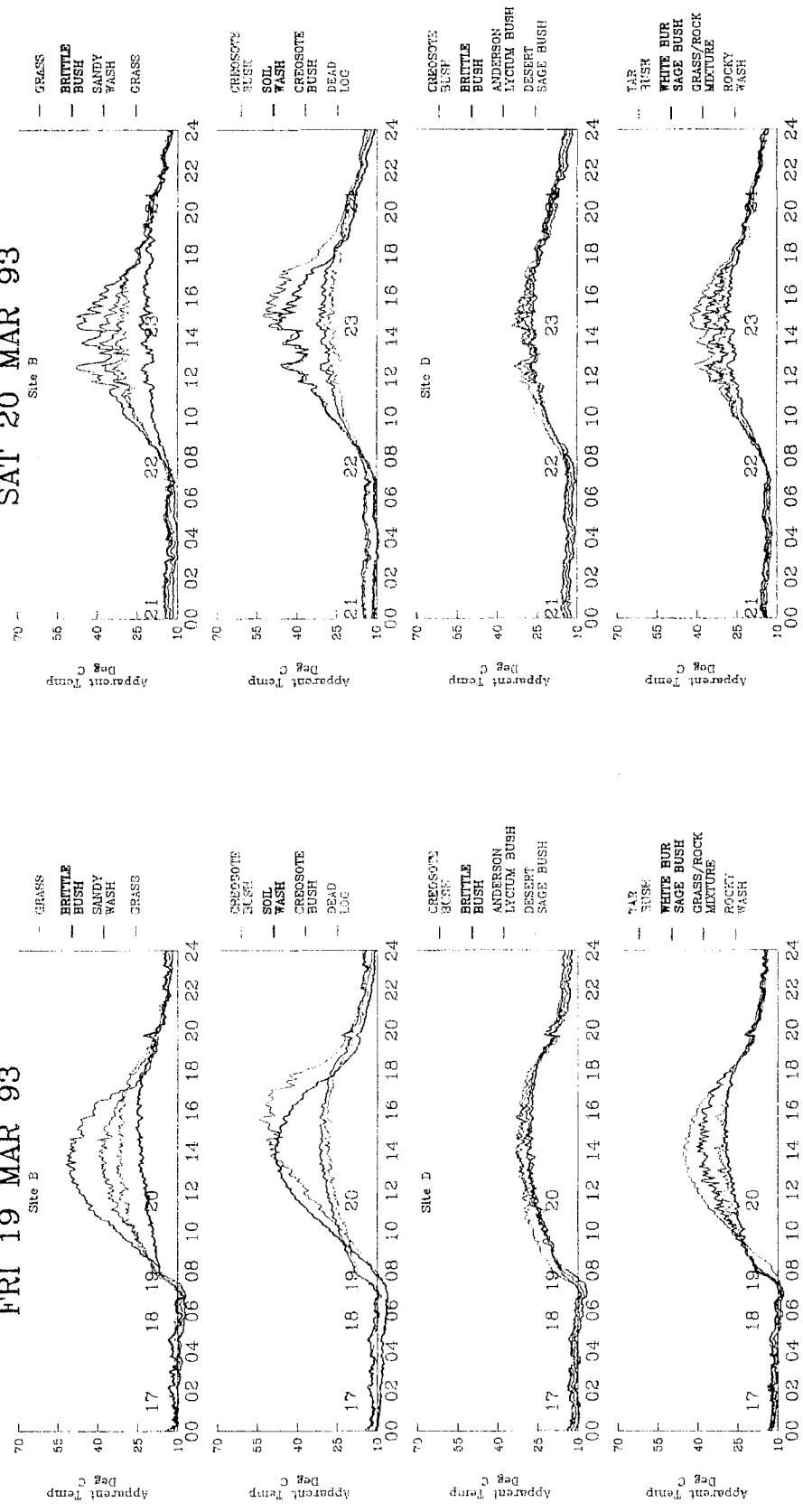


Apparent Temperature WED 17 MAR 93



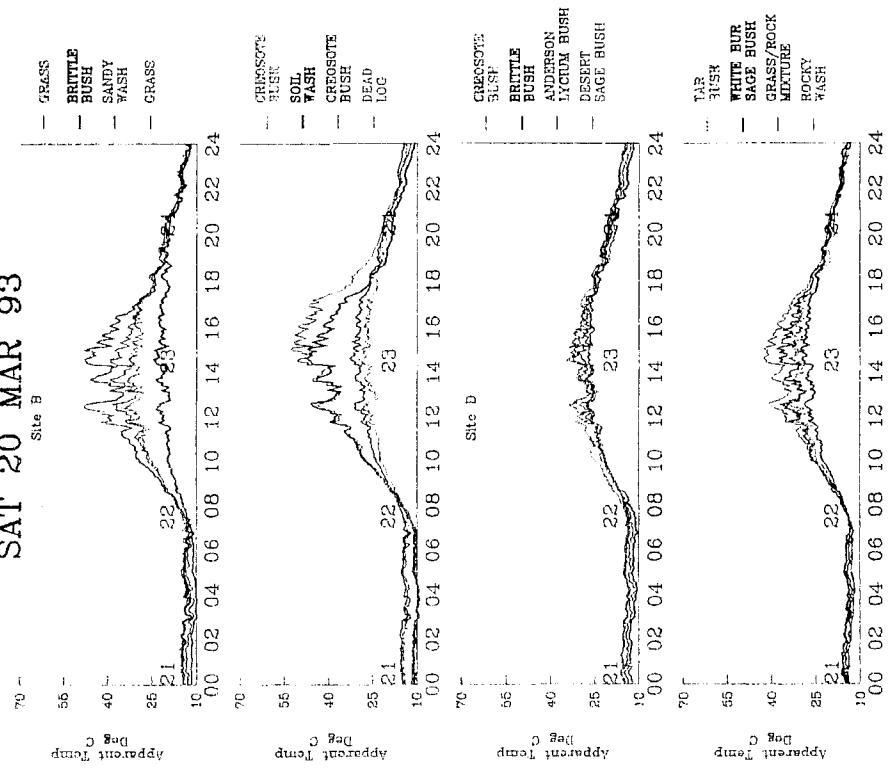
Apparent Temperature

FRI 19 MAR 93

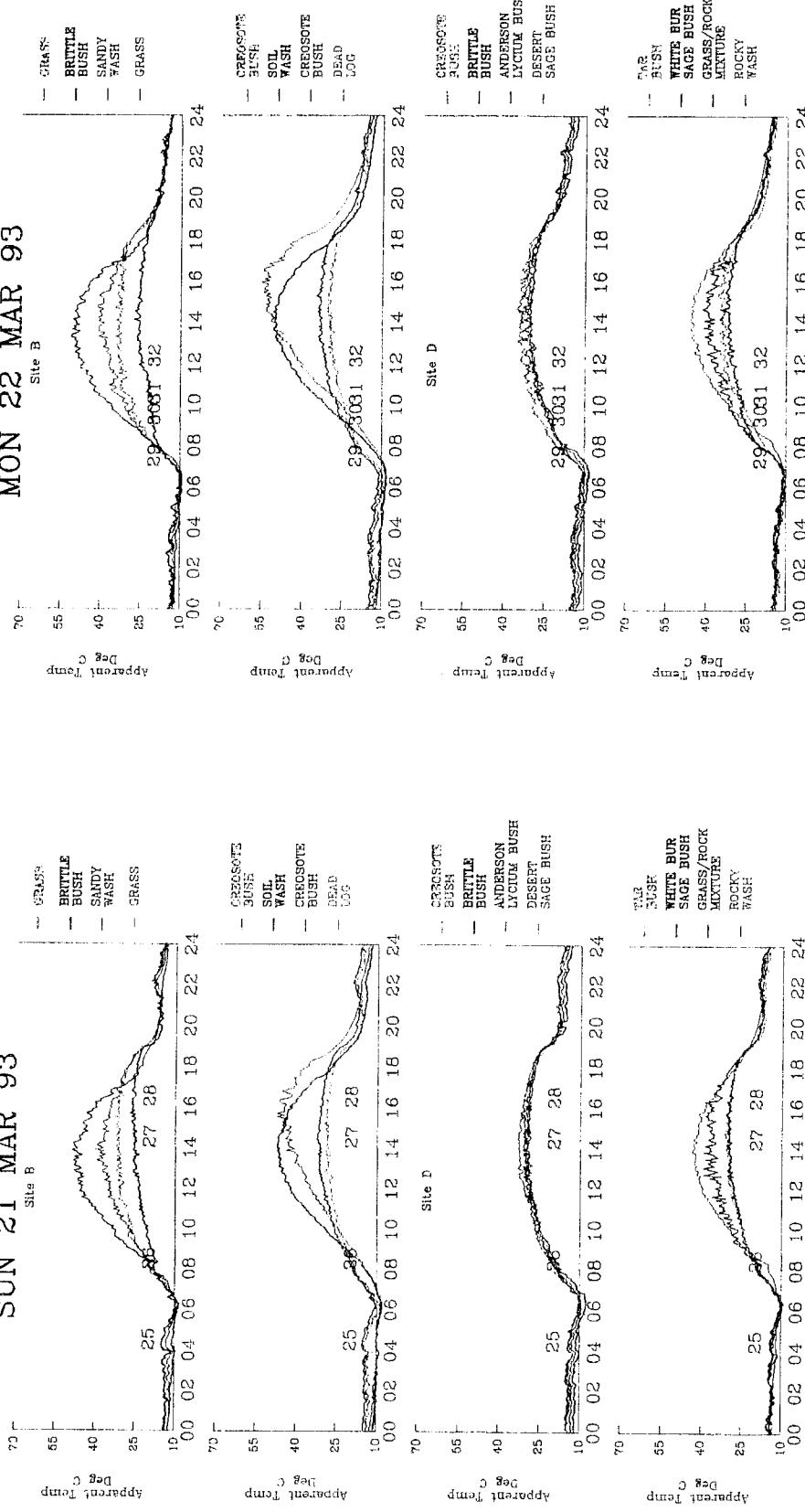


Apparent Temperature

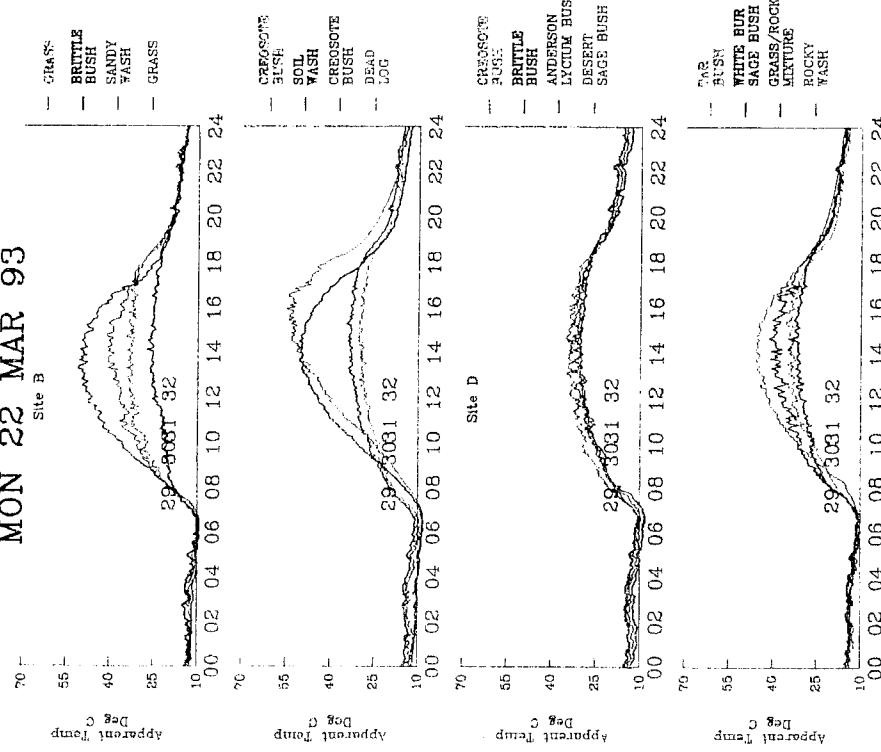
SAT 20 MAR 93



Apparent Temperature SUN 21 MAR 93

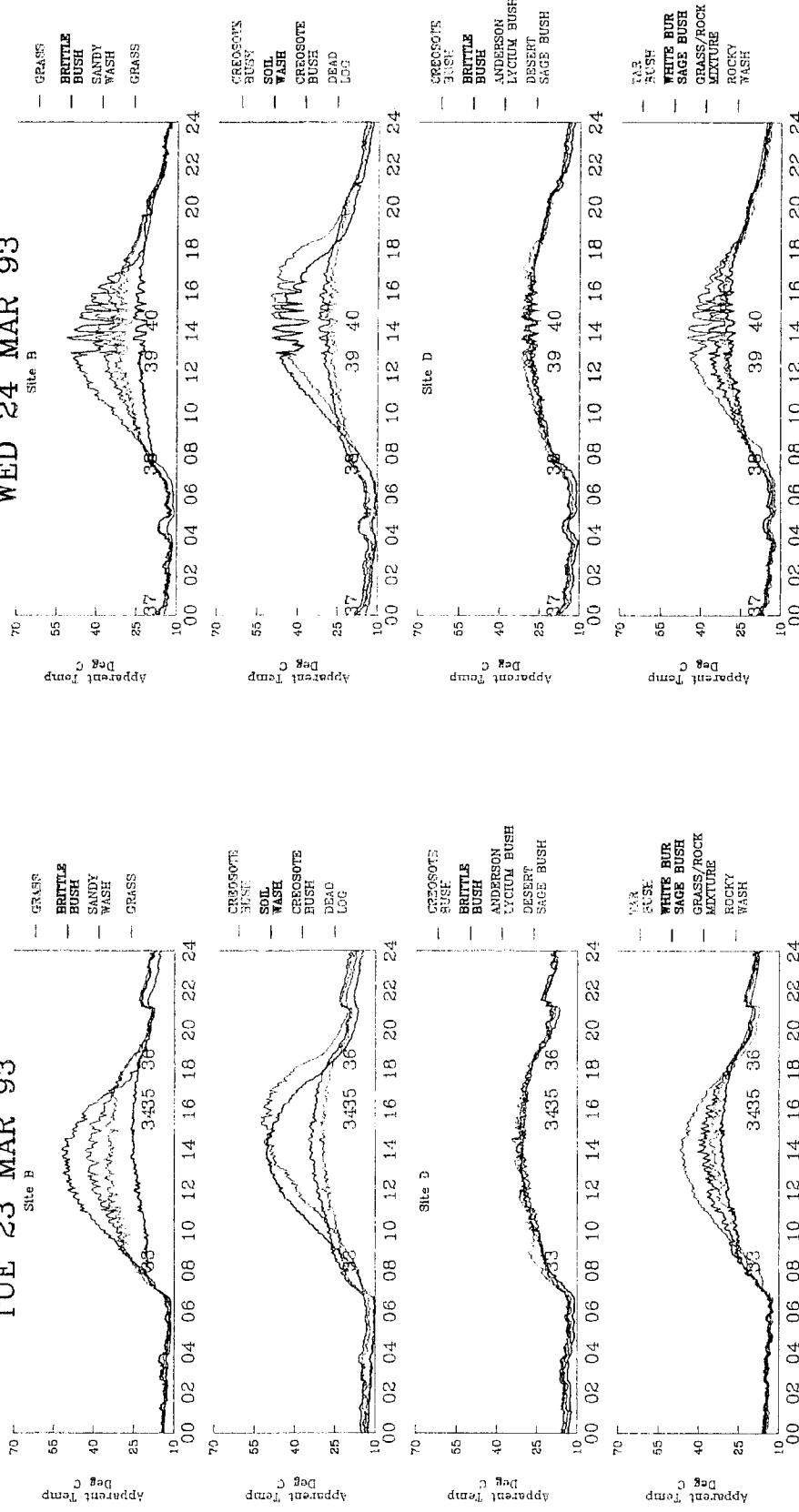


Apparent Temperature MON 22 MAR 93



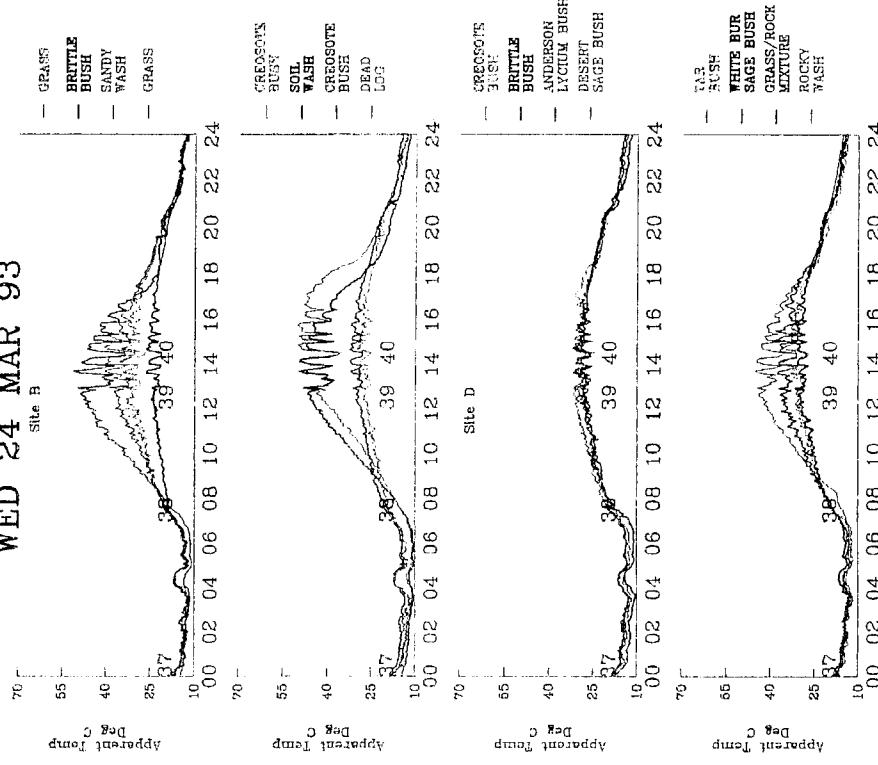
Apparent Temperature

TUE 23 MAR 93

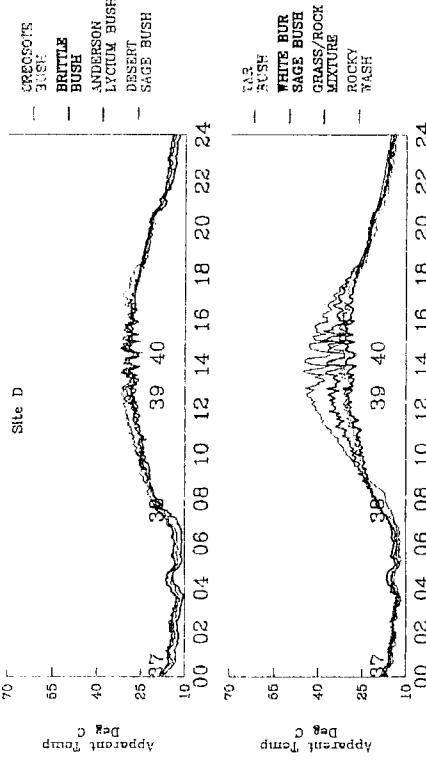


Apparent Temperature

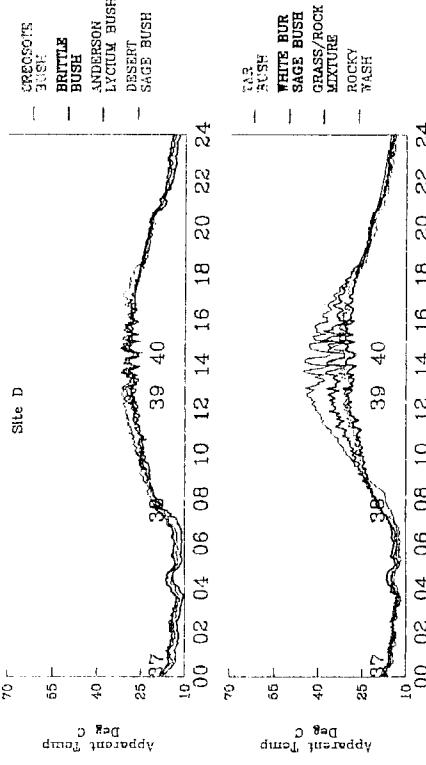
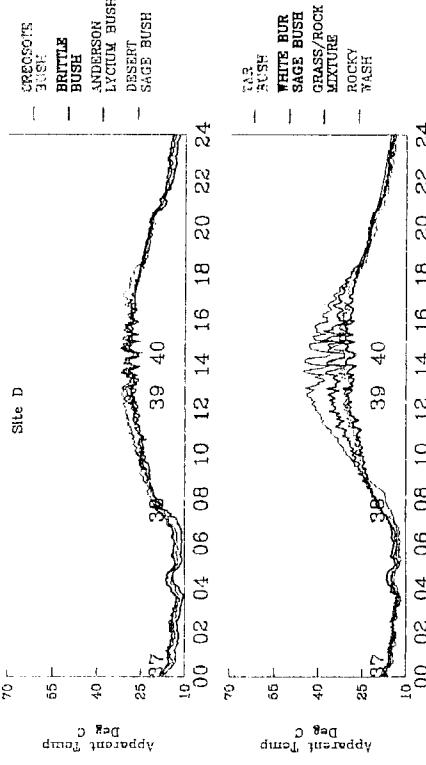
WED 24 MAR 93



Site D

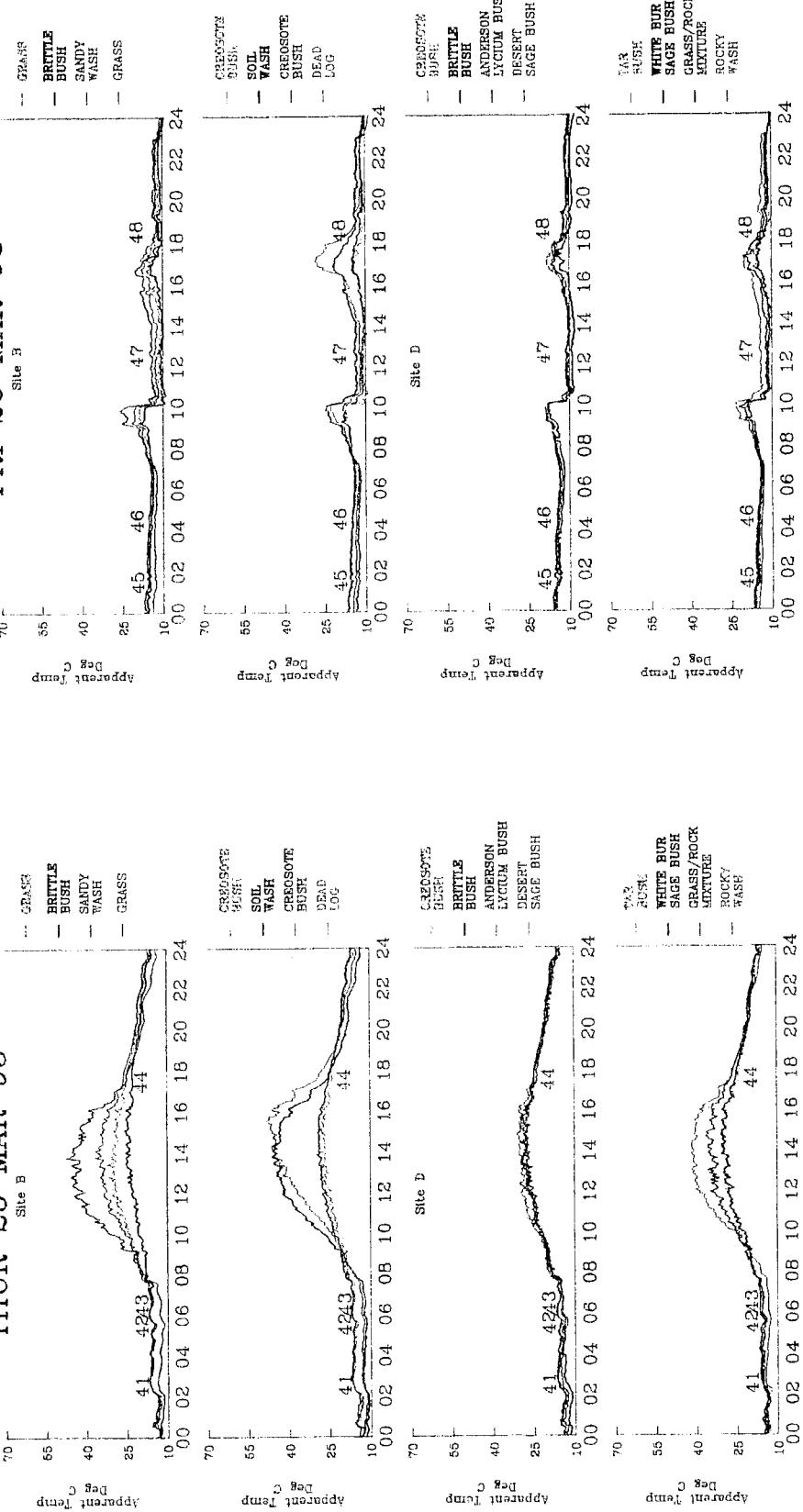


Site D



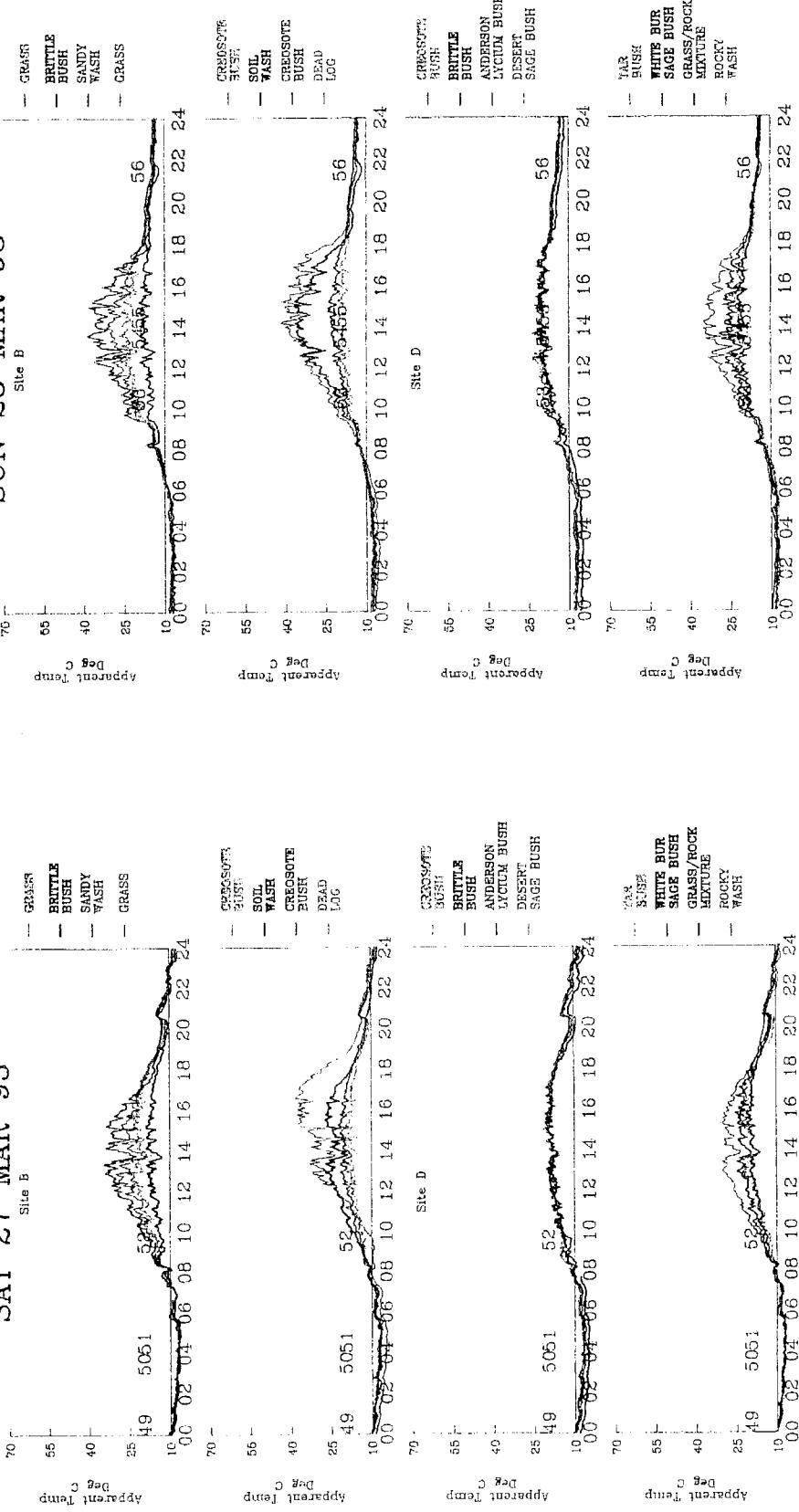
Apparent Temperature

THUR 25 MAR 93



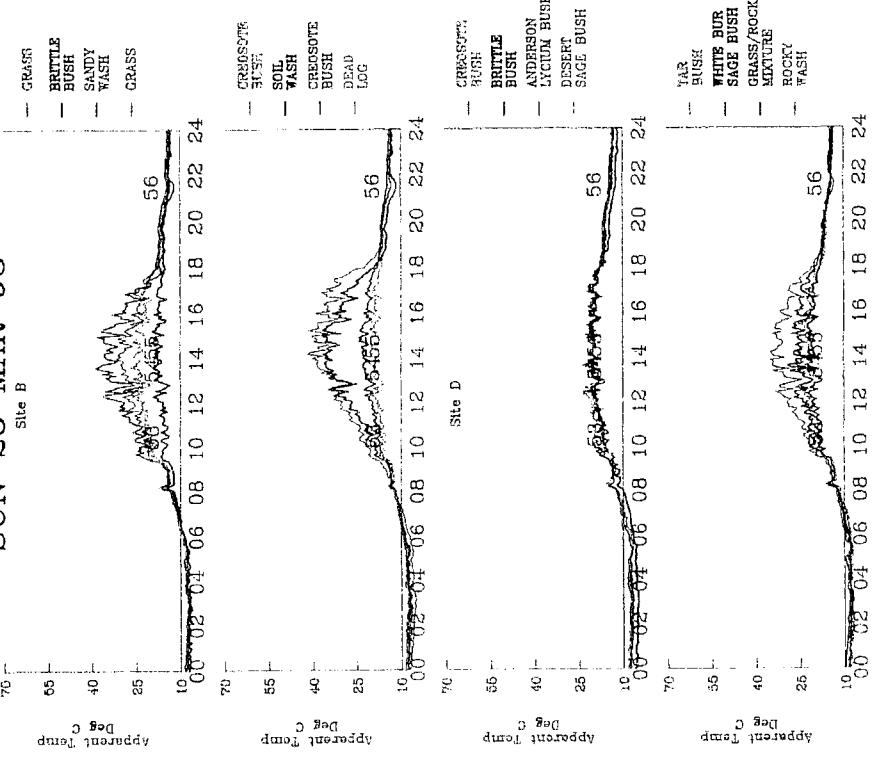
Apparent Temperature

SAT 27 MAR 93

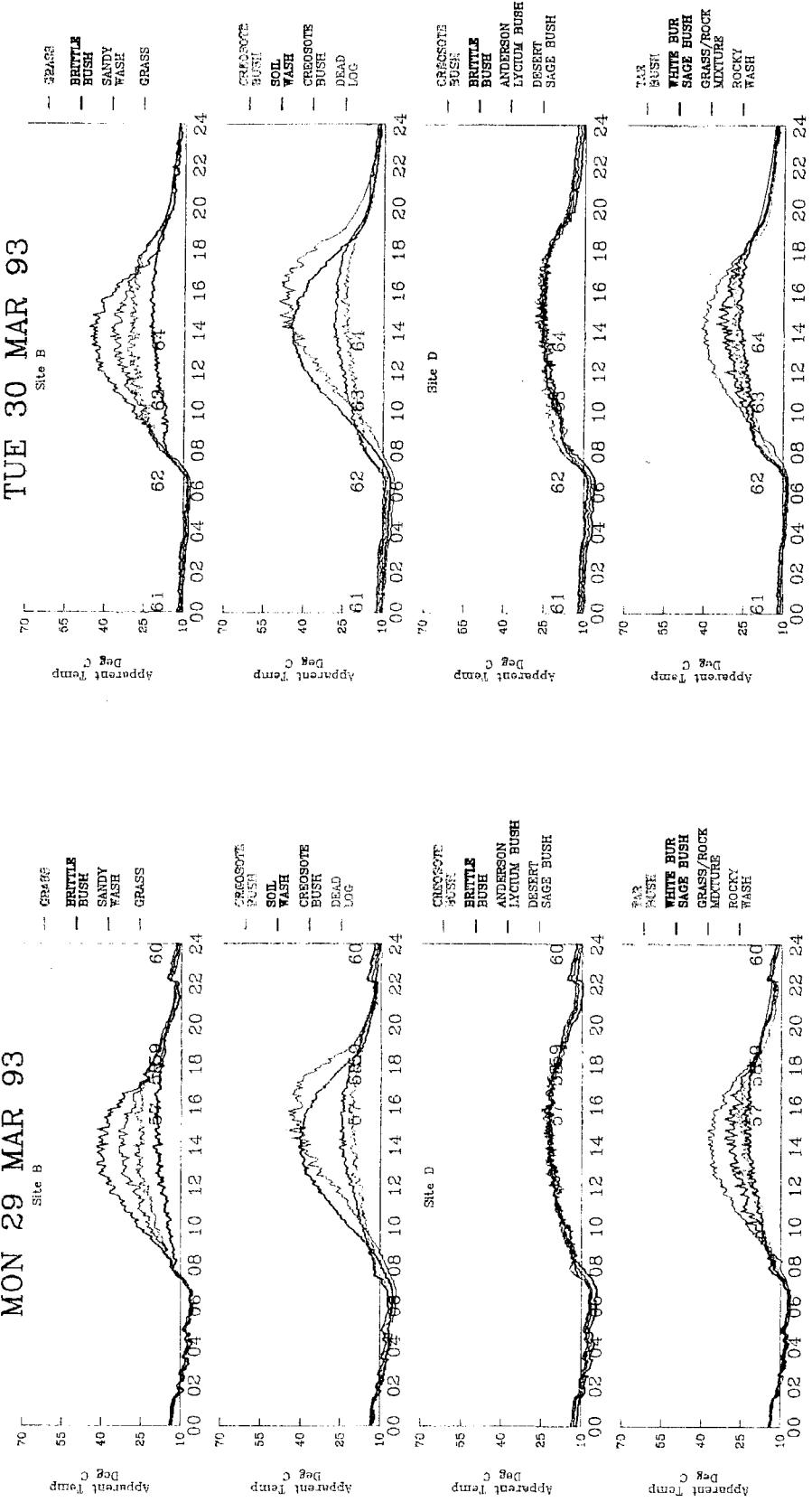


Apparent Temperature

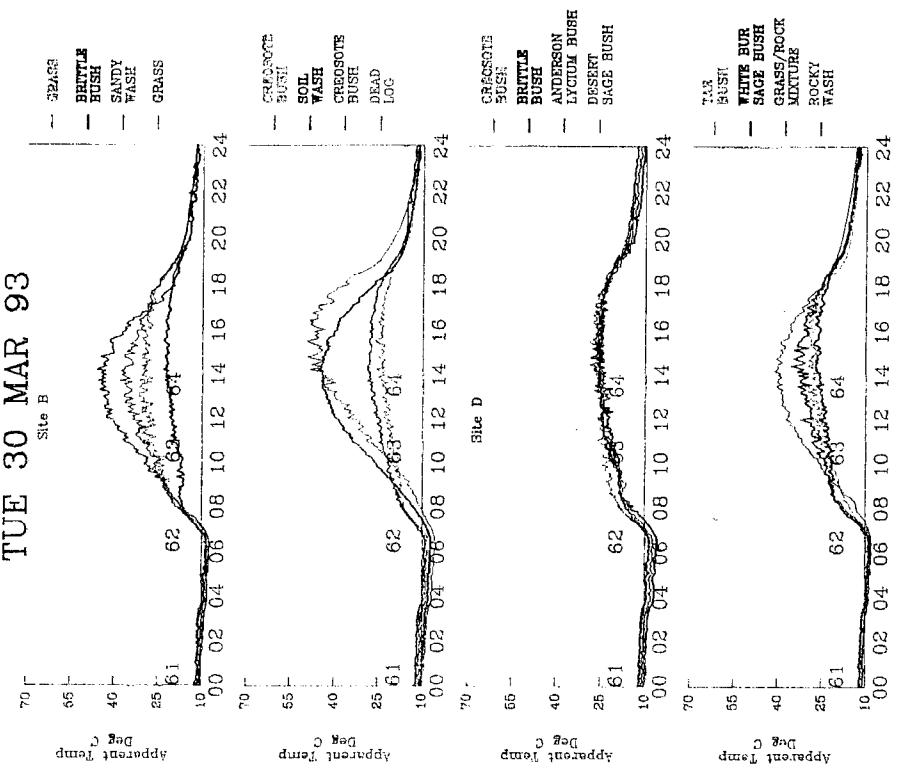
SUN 28 MAR 93



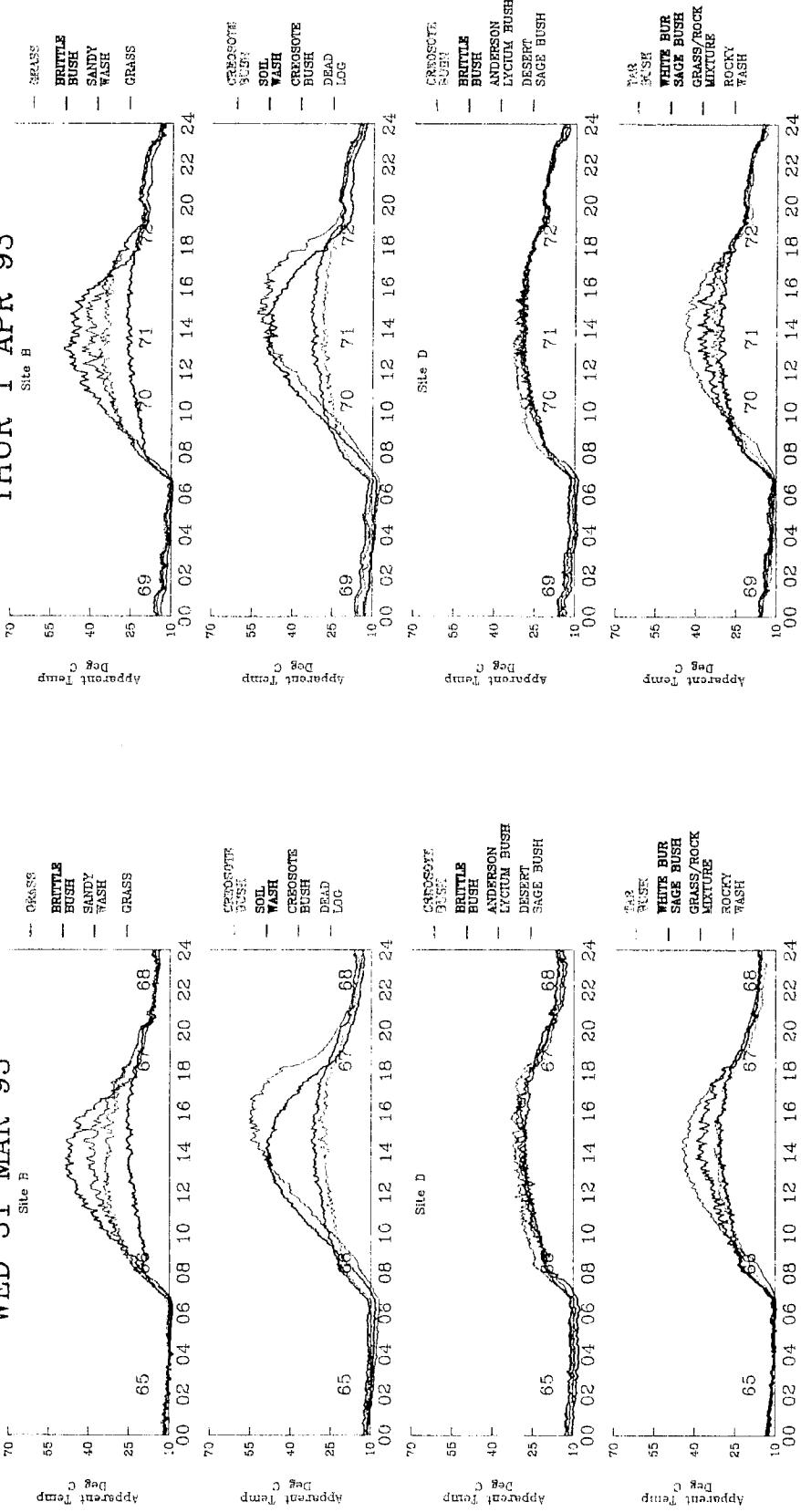
Apparent Temperature MON 29 MAR 93



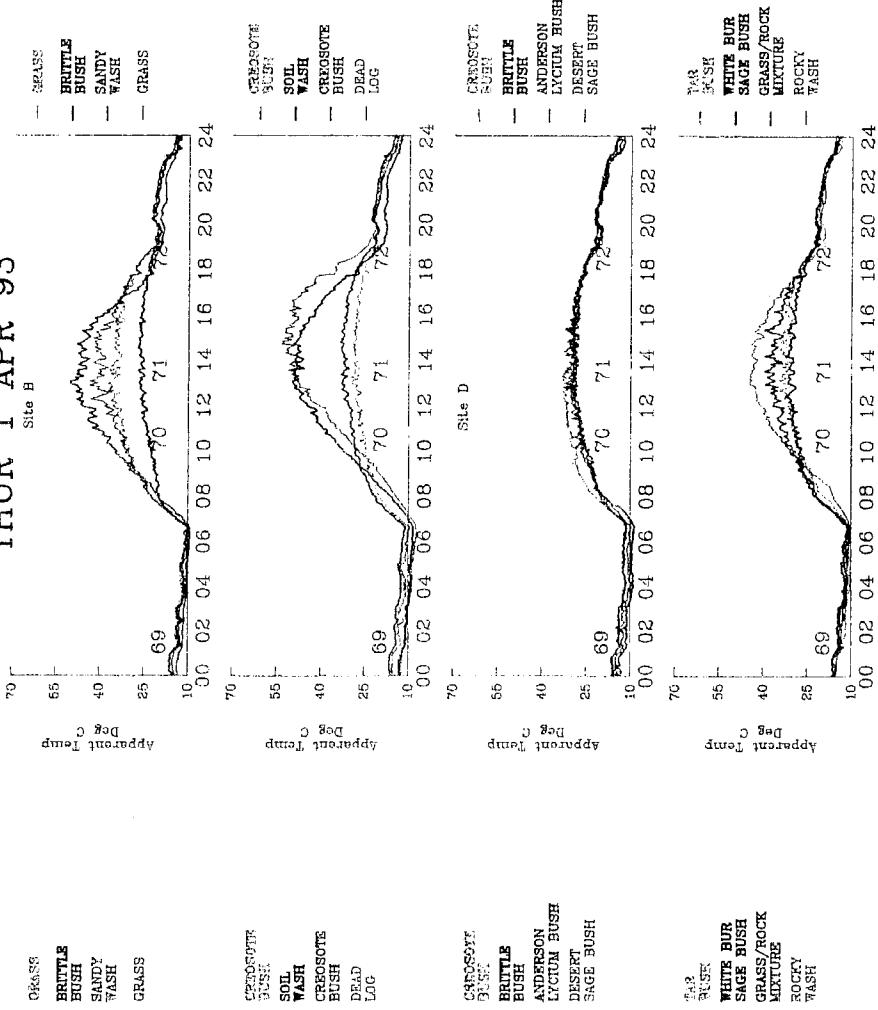
Apparent Temperature TUE 30 MAR 93



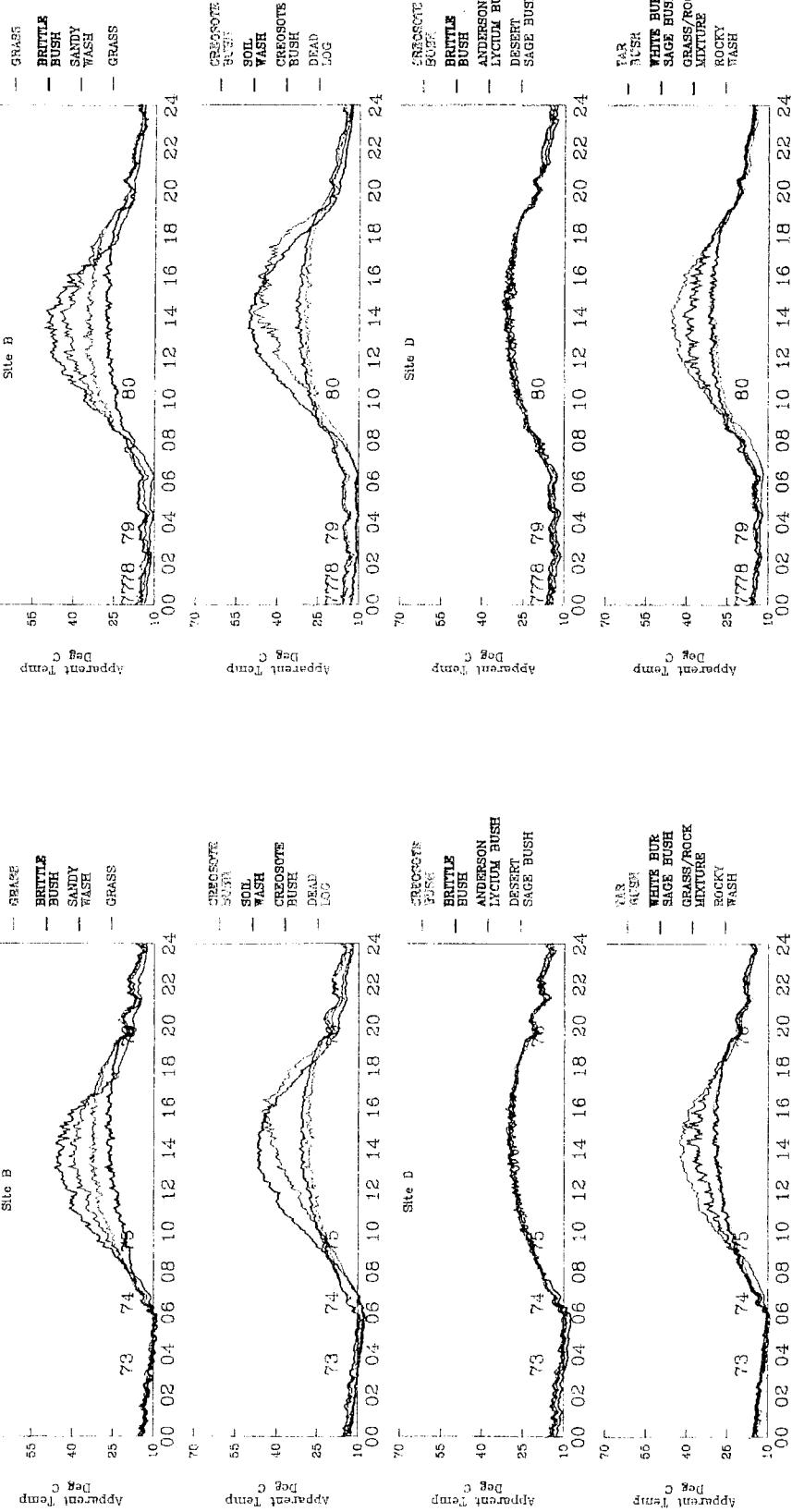
Apparent Temperature WED 31 MAR 93



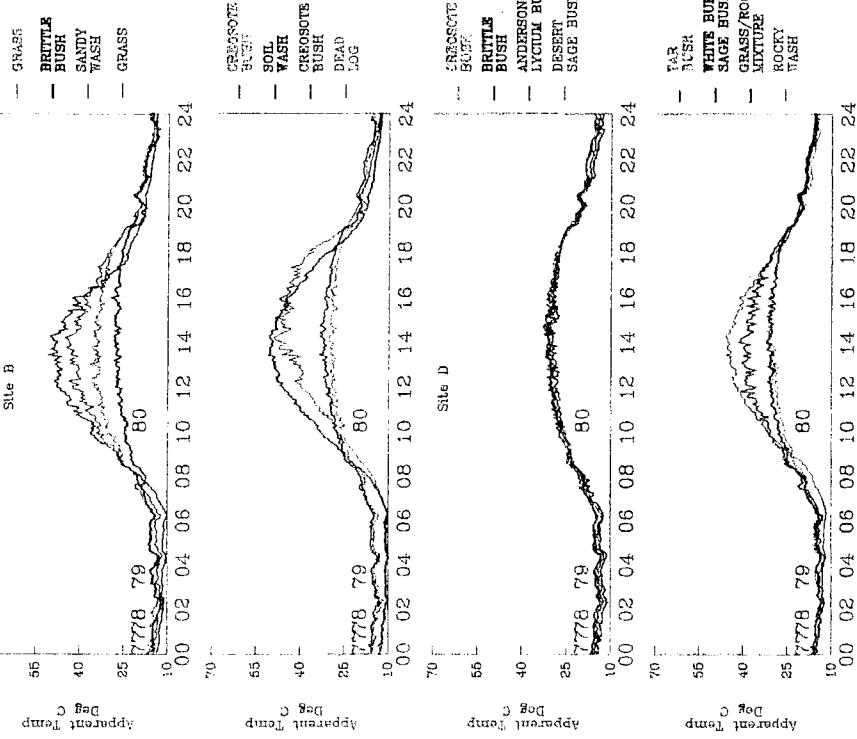
Apparent Temperature THUR 1 APR 93



Apparent Temperature FRI 2 APR 93

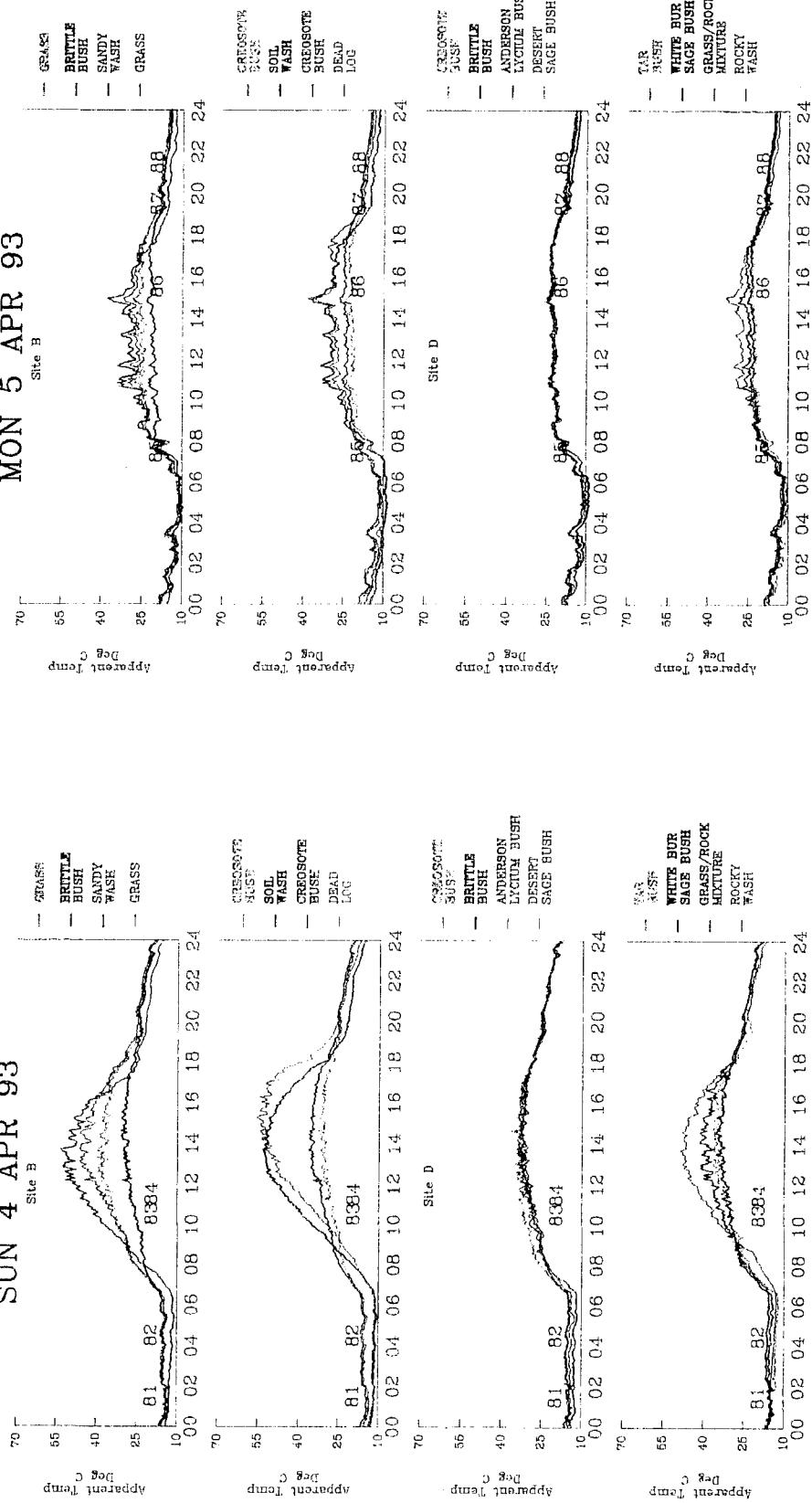


Apparent Temperature SAT 3 APR 93

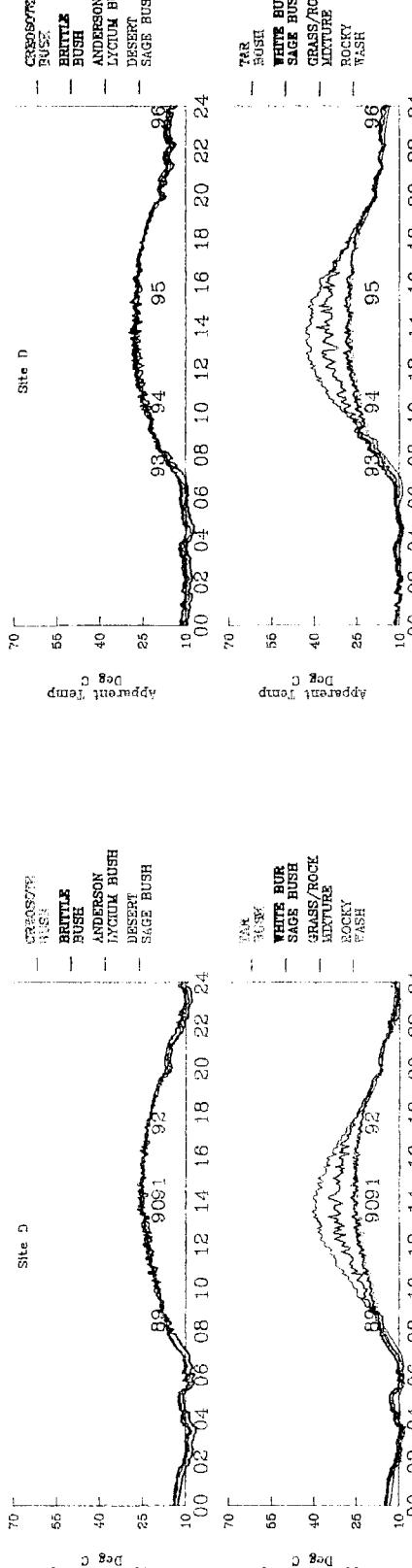
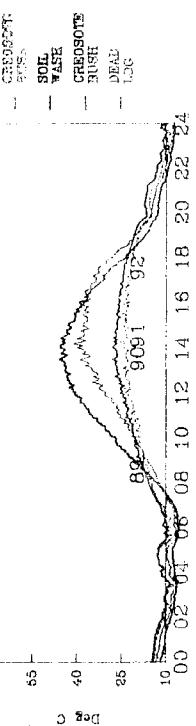
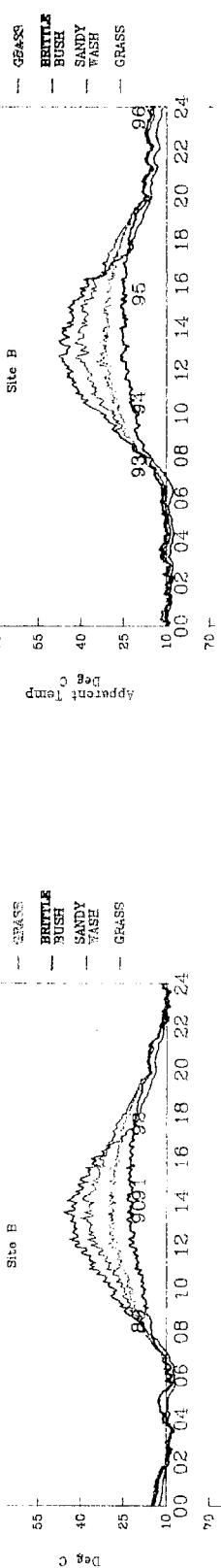


Apparent Temperature

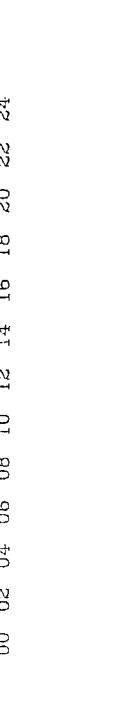
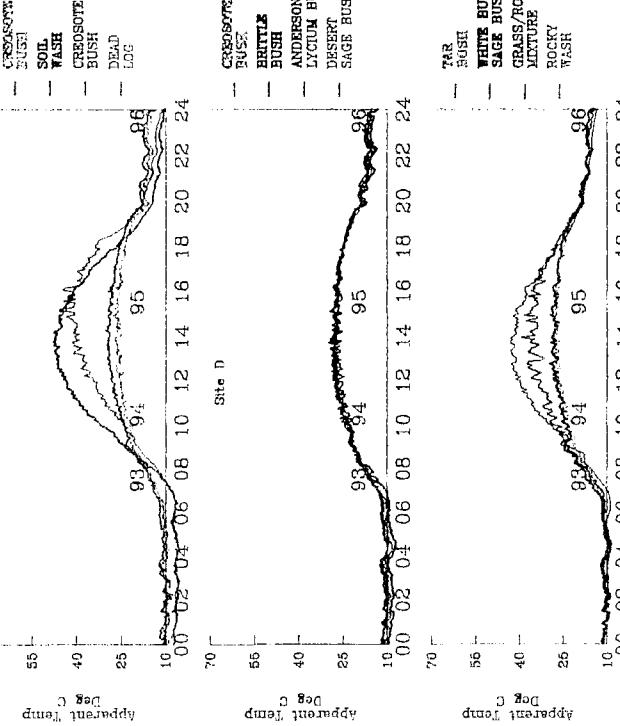
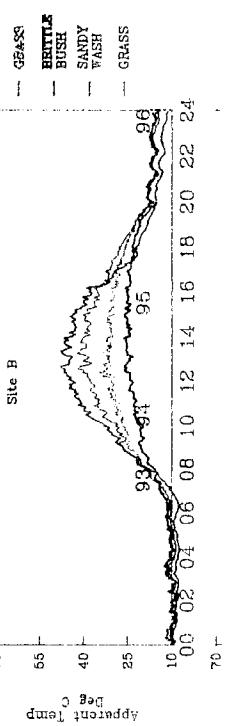
SUN 4 APR 93

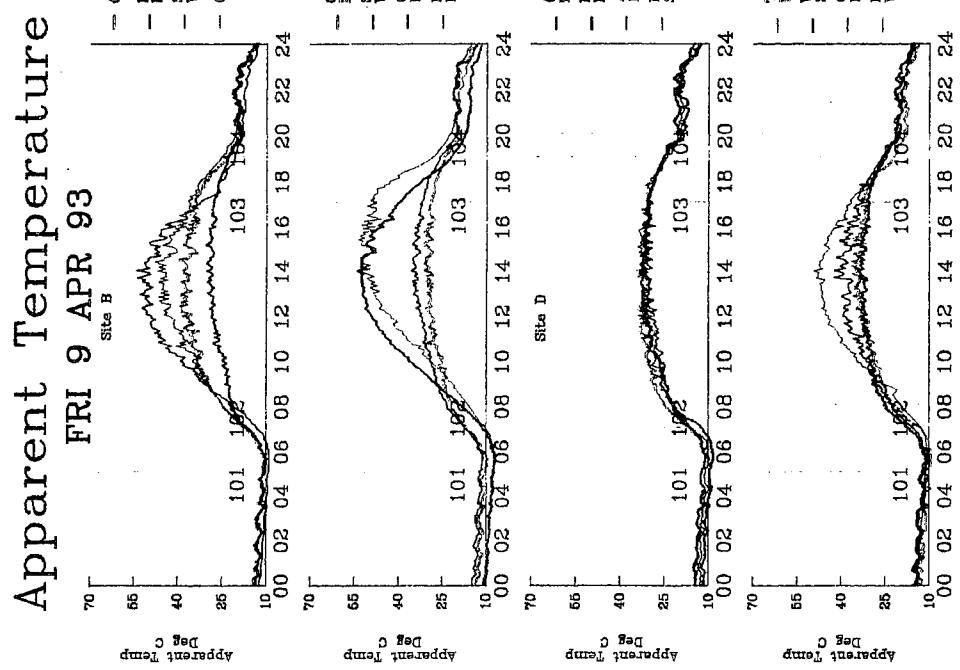
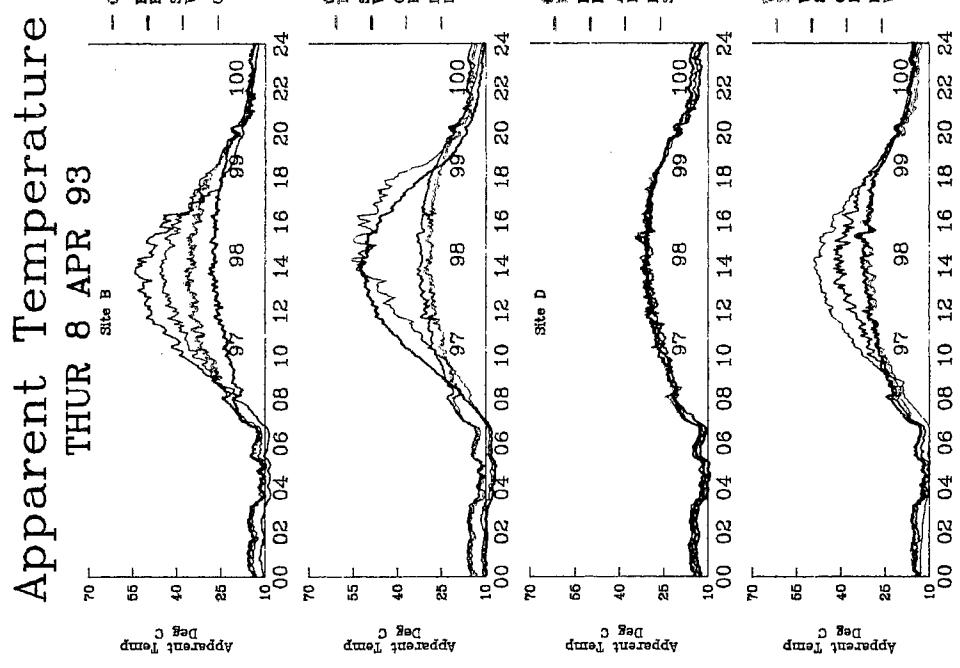


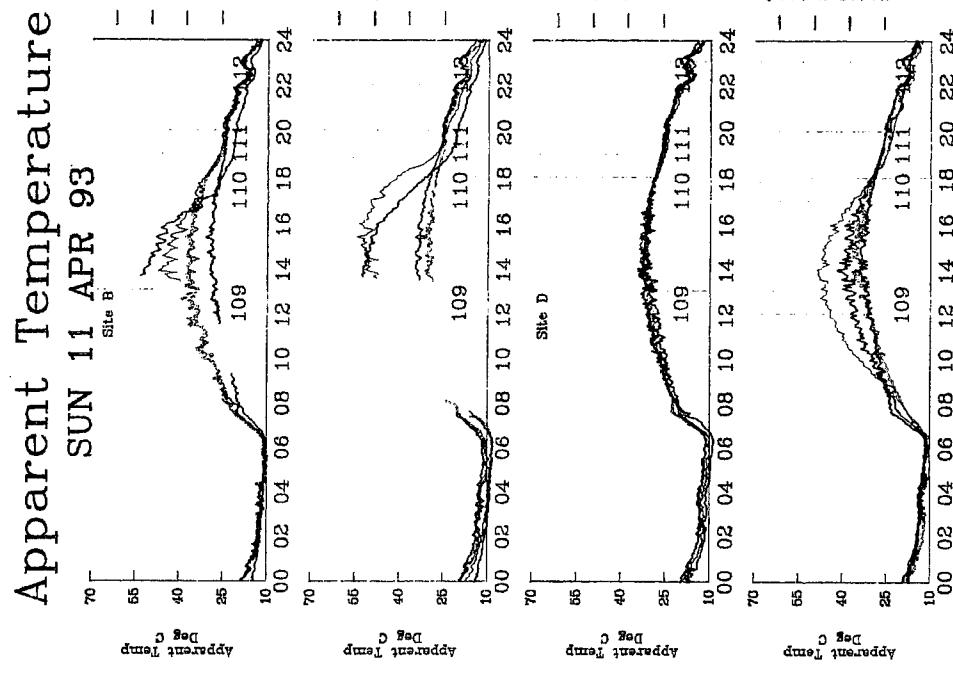
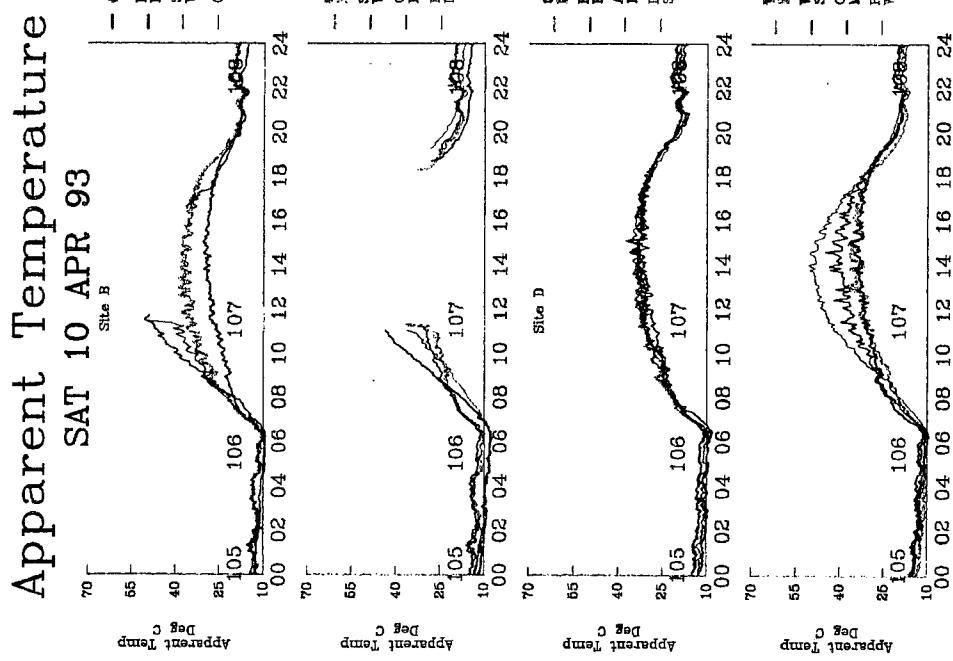
Apparent Temperature TUE 6 APR 93



Apparent Temperature WED 7 APR 93

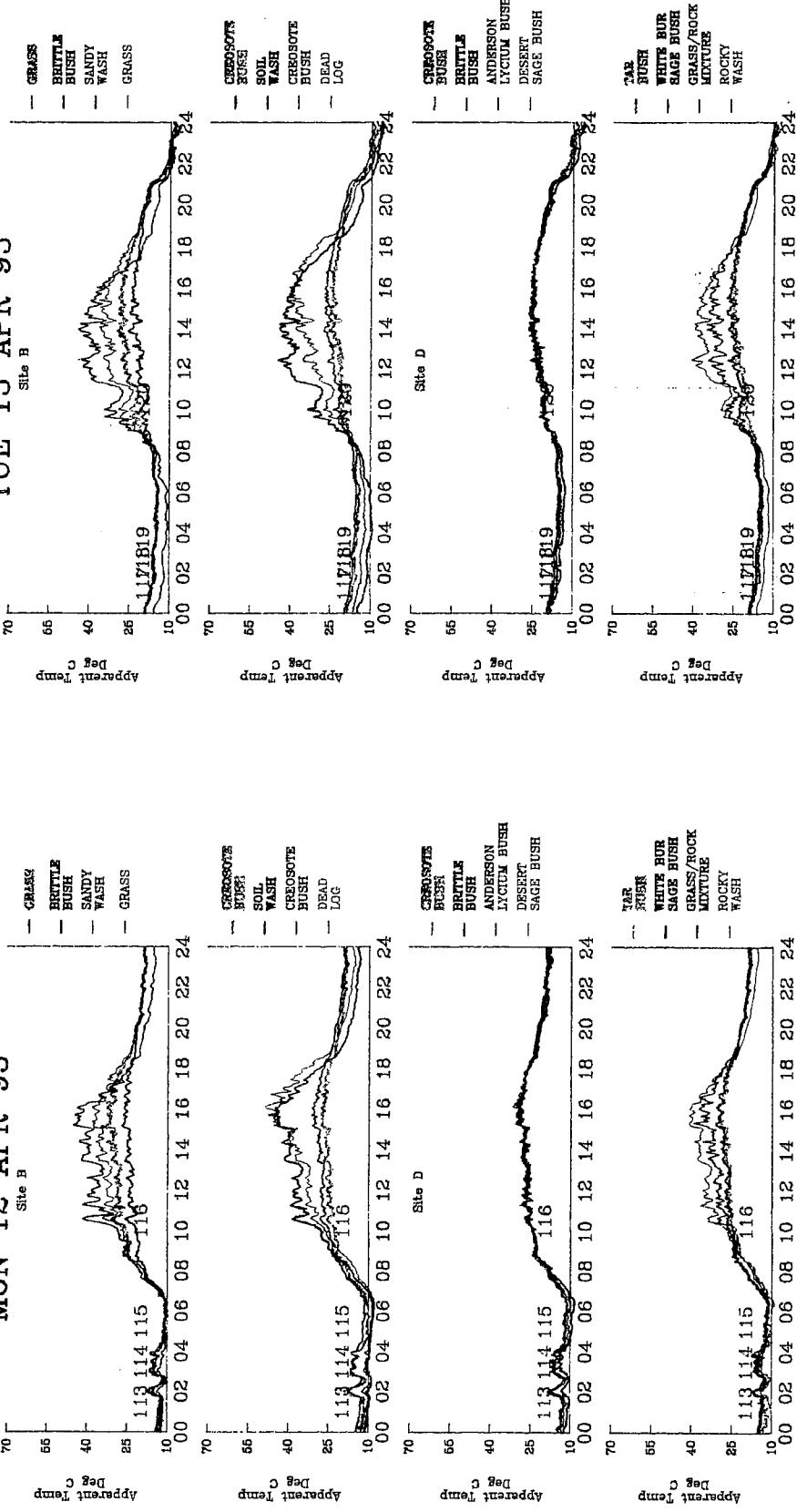






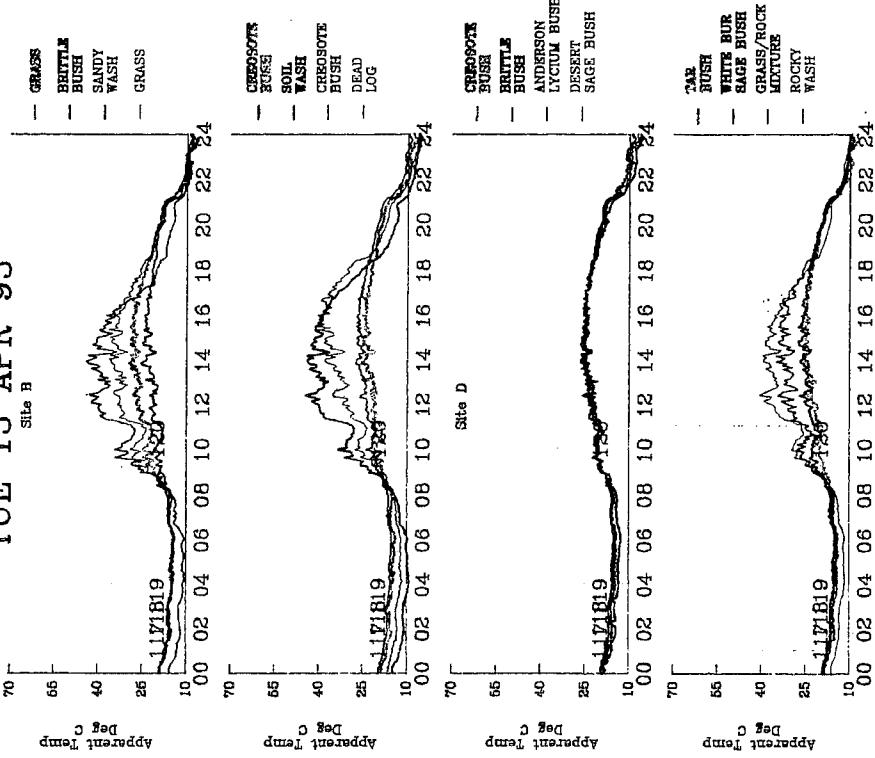
Apparent Temperature

MON 12 APR 93



Apparent Temperature

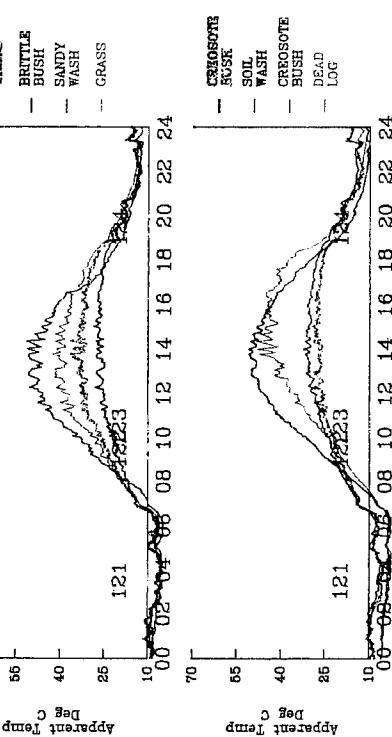
TUE 13 APR 93



Apparent Temperature

WED 14 APR 93

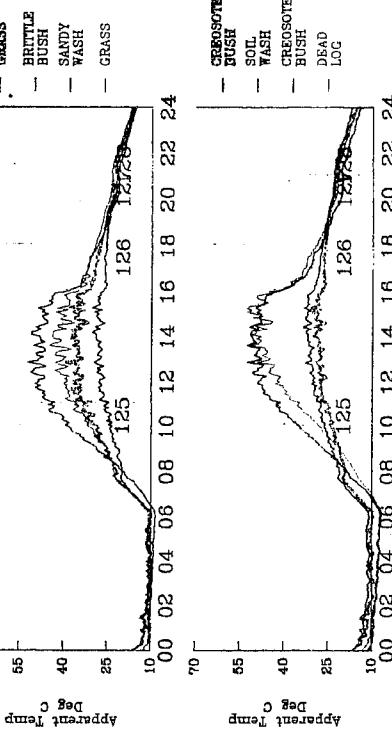
Site B



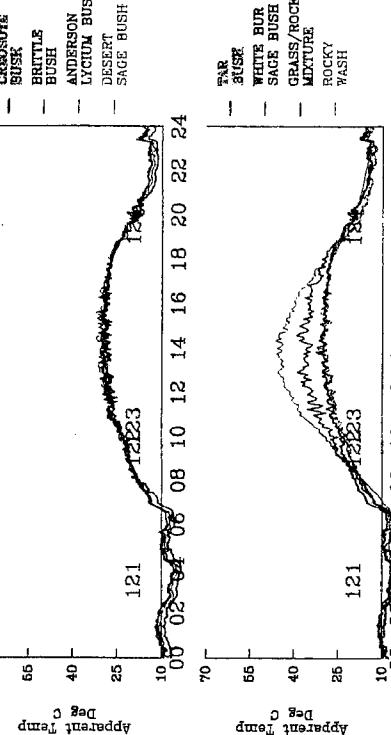
Apparent Temperature

THUR 15 APR 93

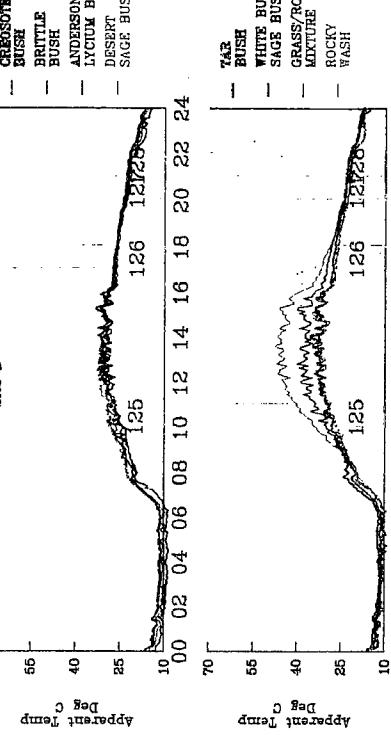
Site B



Site D

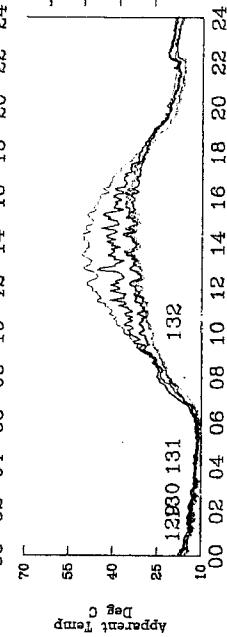
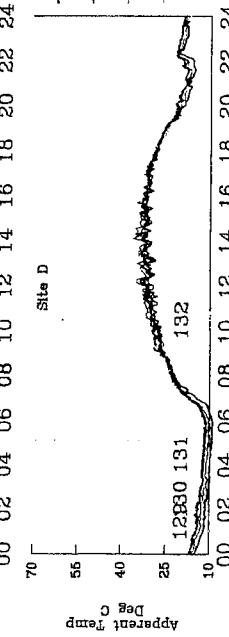
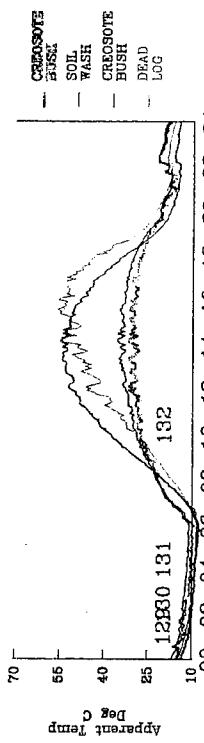
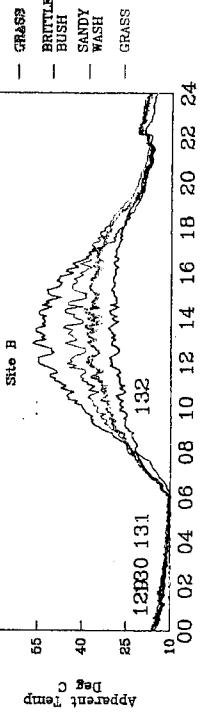


Site D



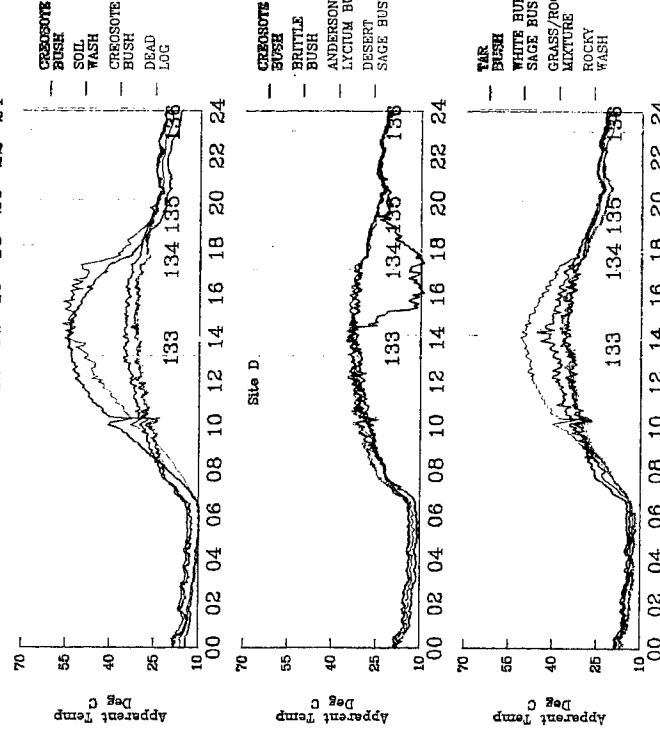
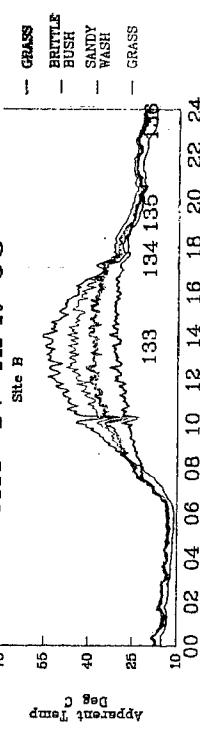
Apparent Temperature

FRI 16 APR 93



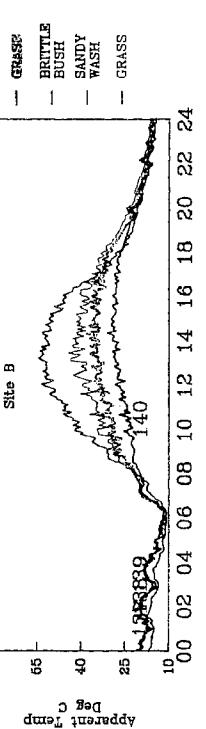
Apparent Temperature

SAT 17 APR 93



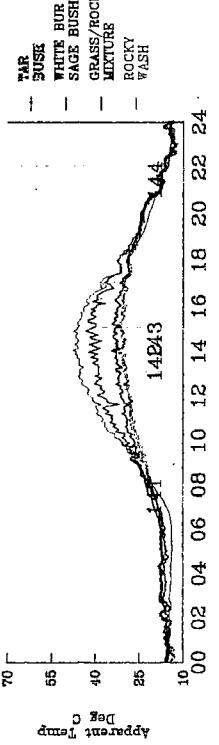
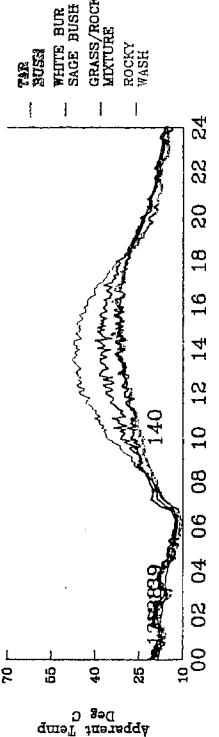
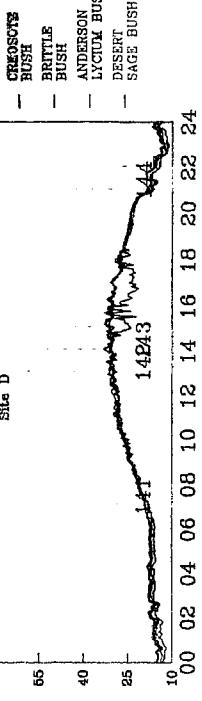
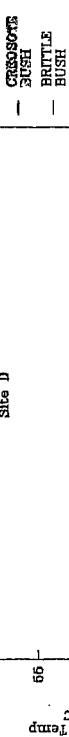
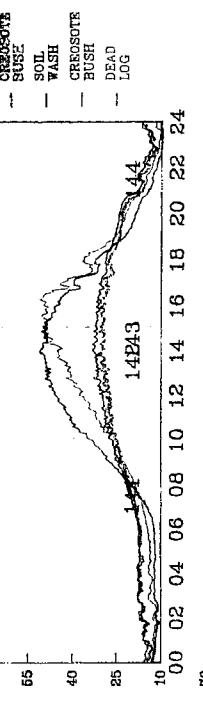
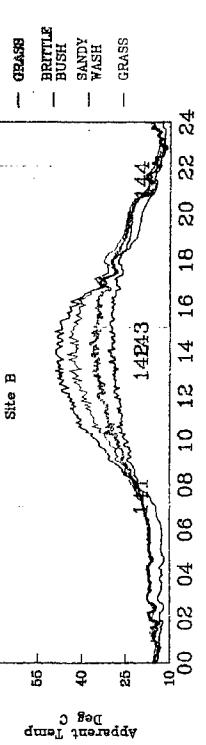
Apparent Temperature

SUN 18 APR 93



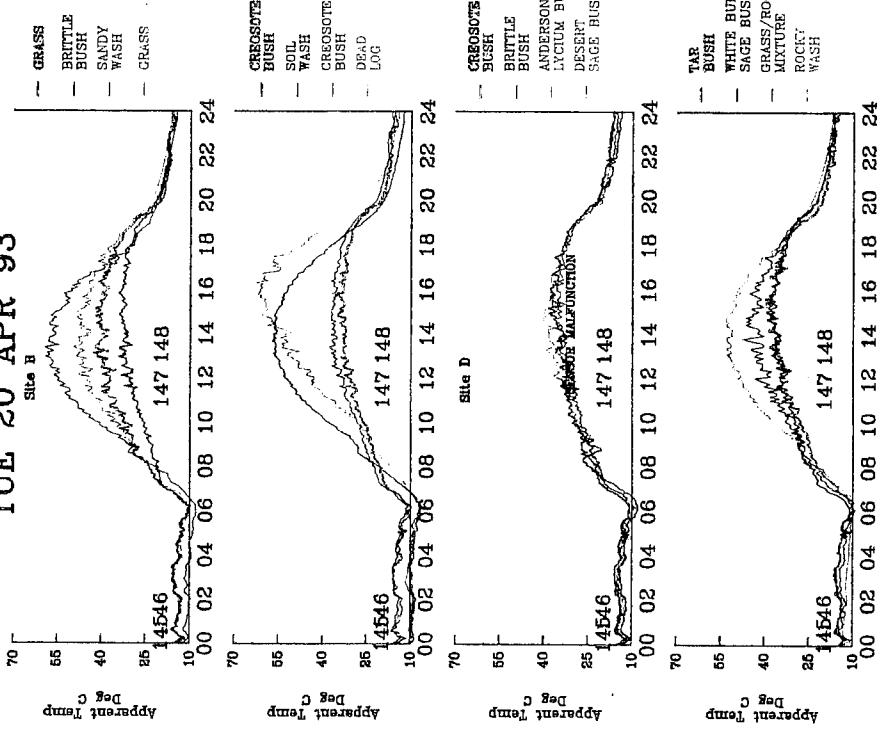
Apparent Temperature

MON 19 APR 93



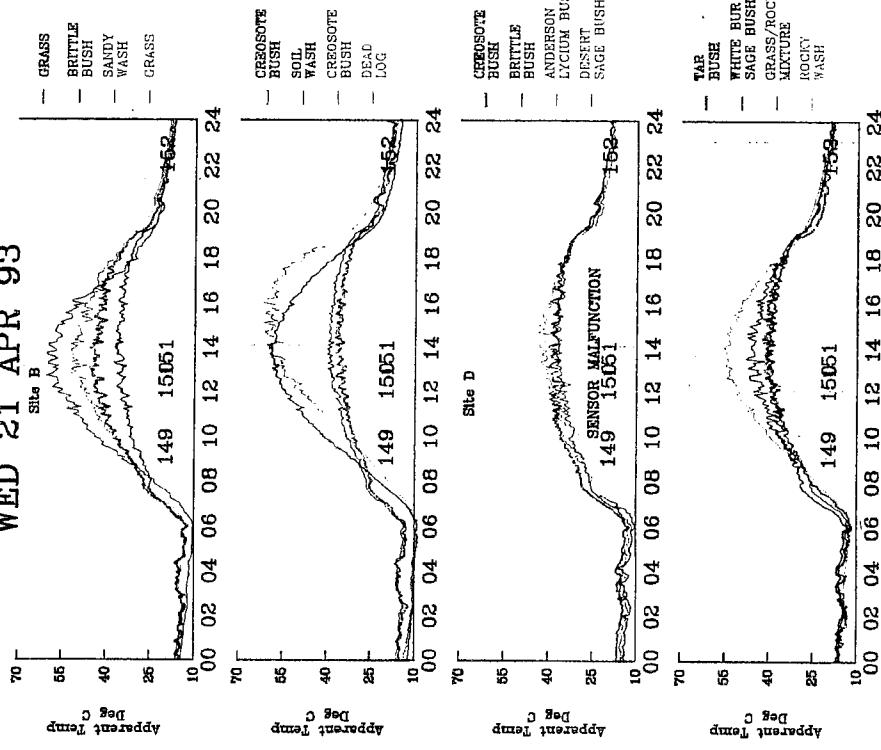
Apparent Temperature

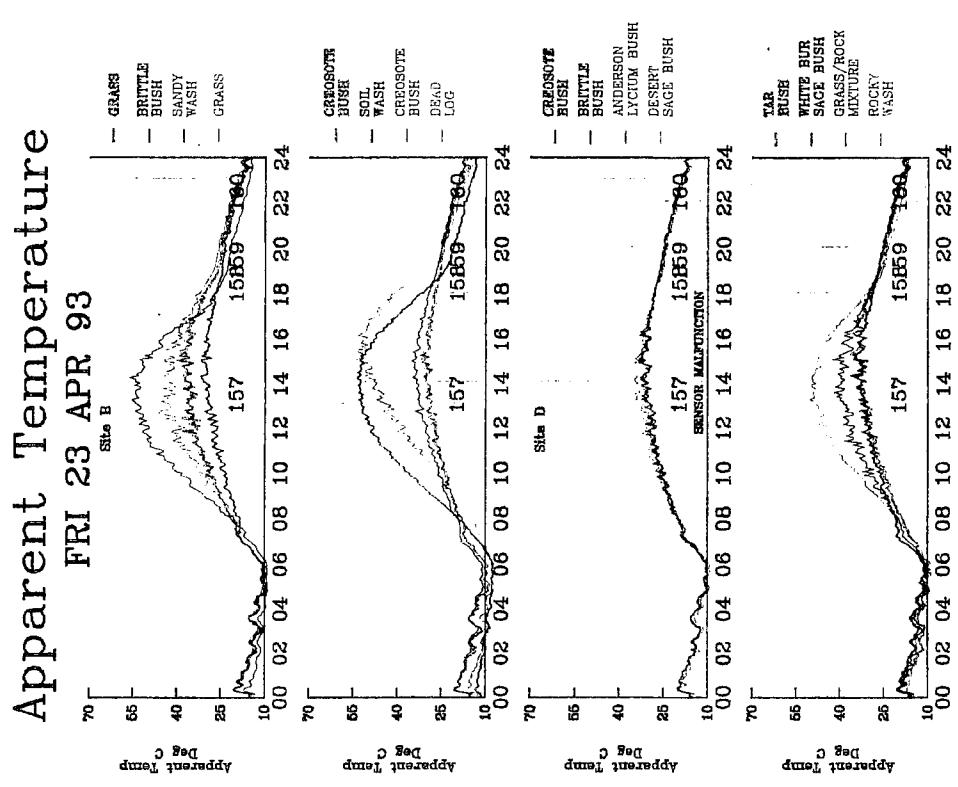
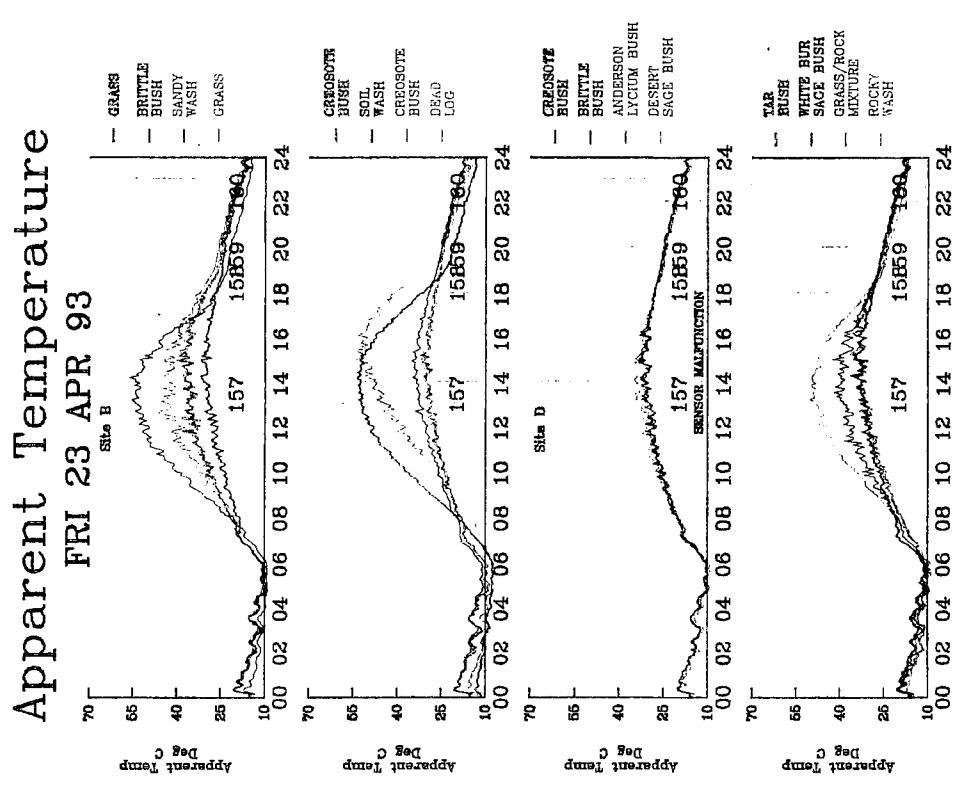
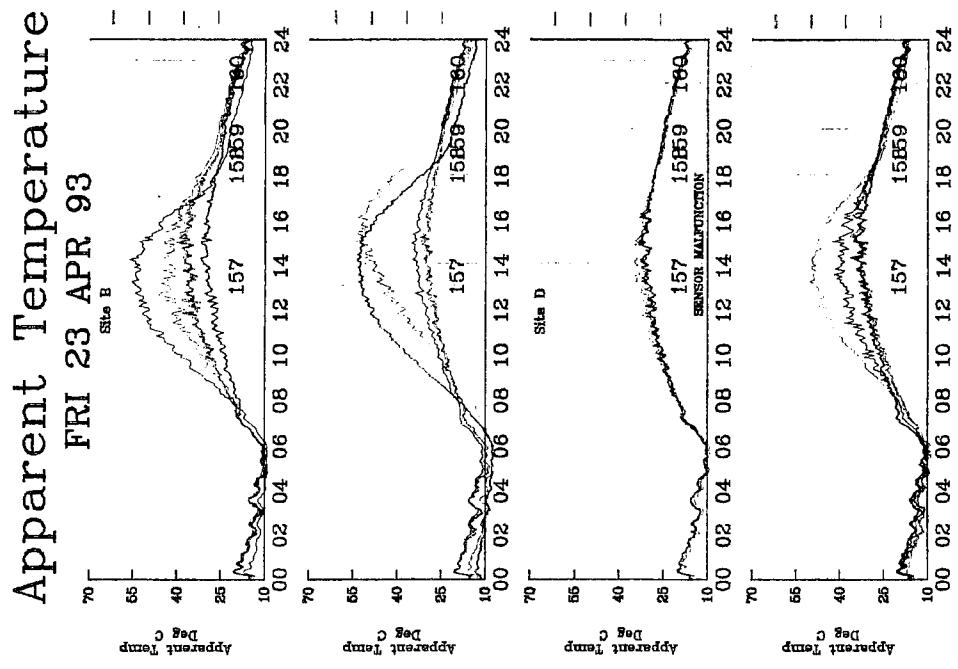
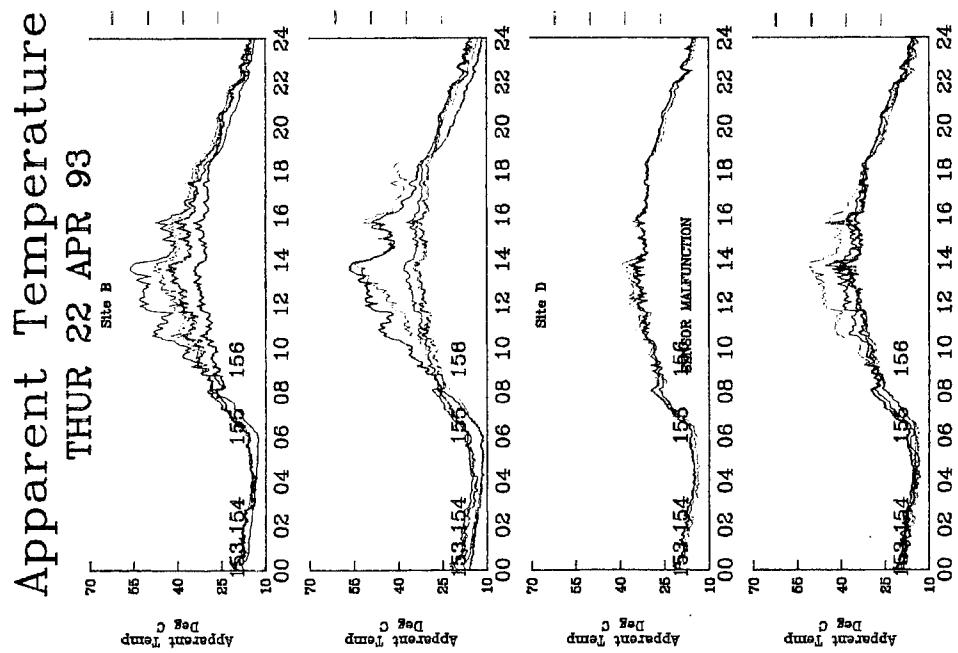
TUE 20 APR 93



Apparent Temperature

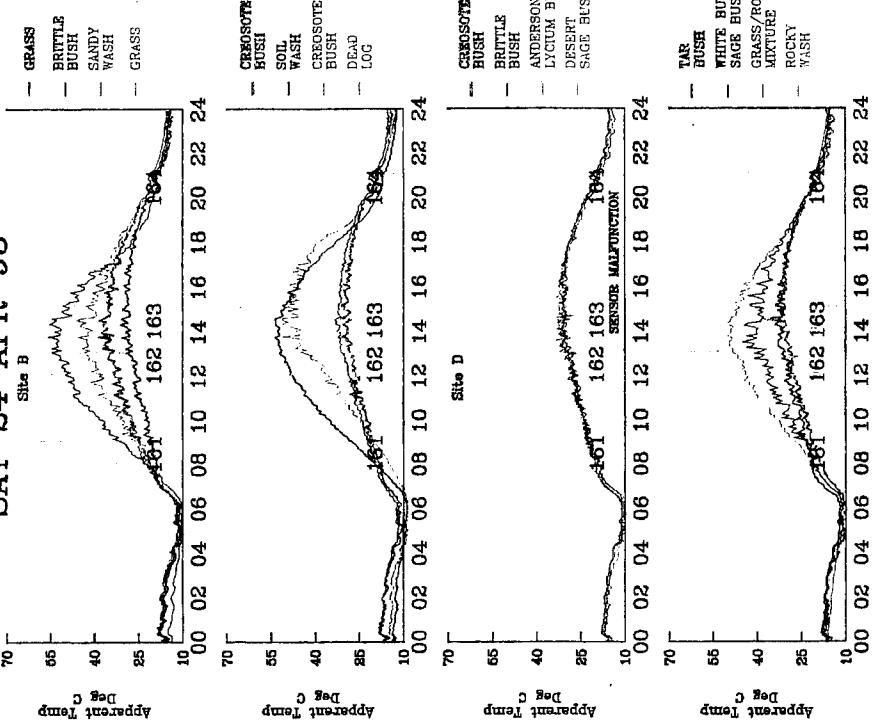
WED 21 APR 93





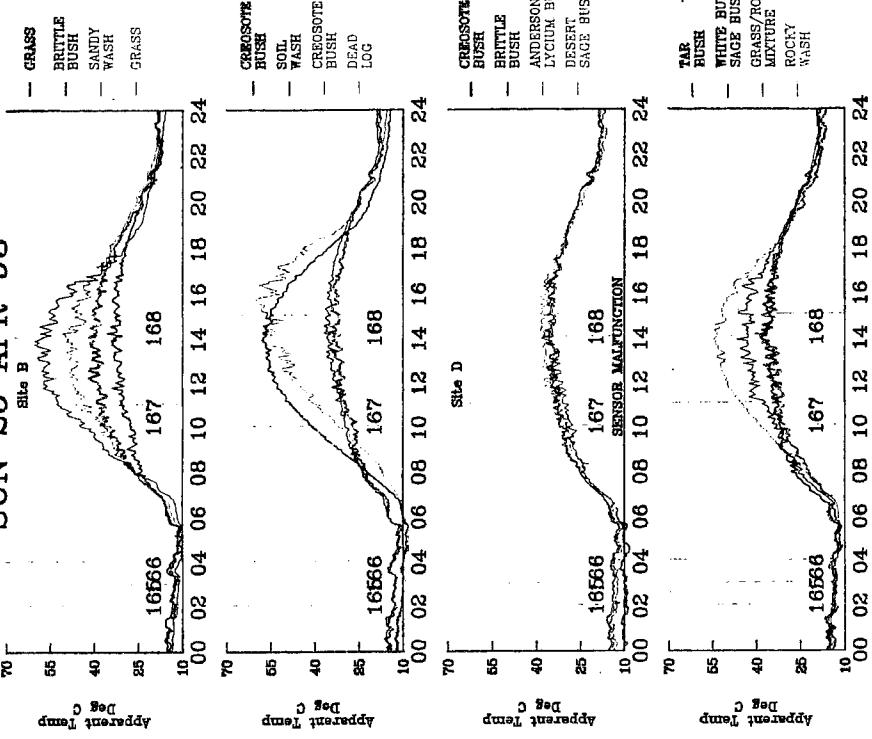
Apparent Temperature

SAT 24 APR 93

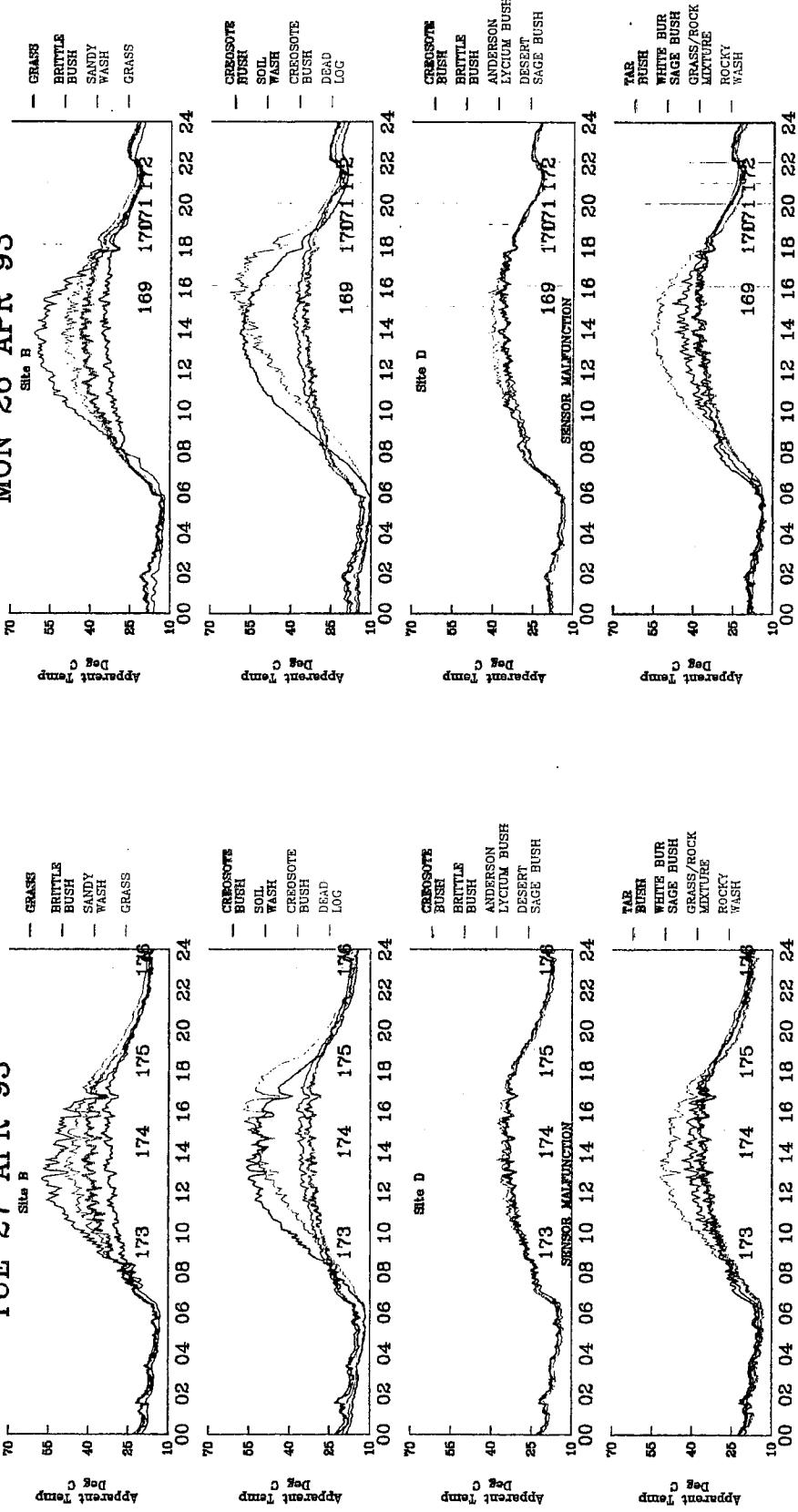


Apparent Temperature

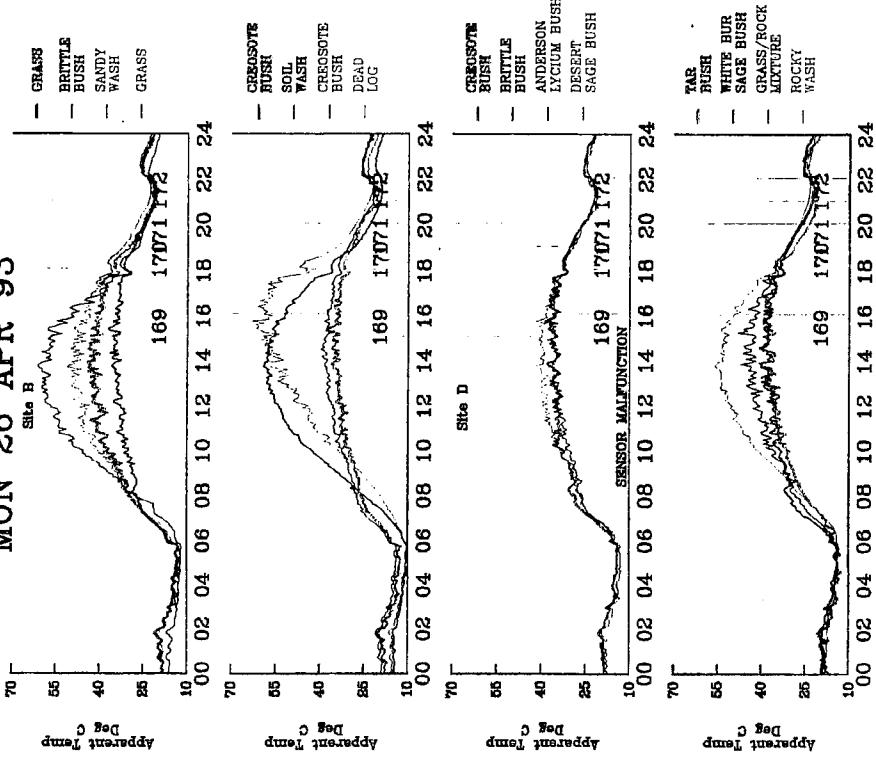
SUN 25 APR 93



Apparent Temperature TUE 27 APR 93

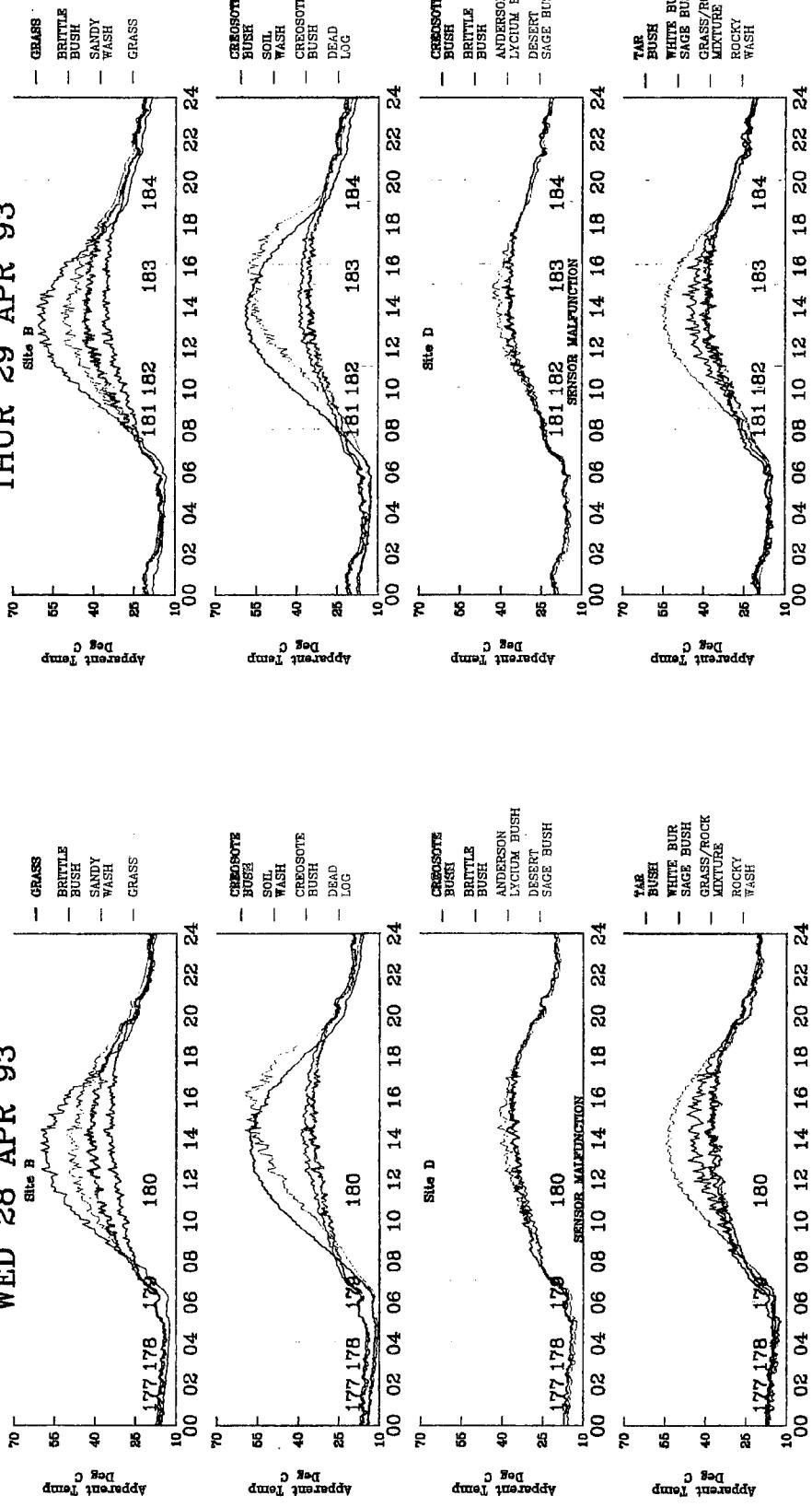


Apparent Temperature MON 26 APR 93



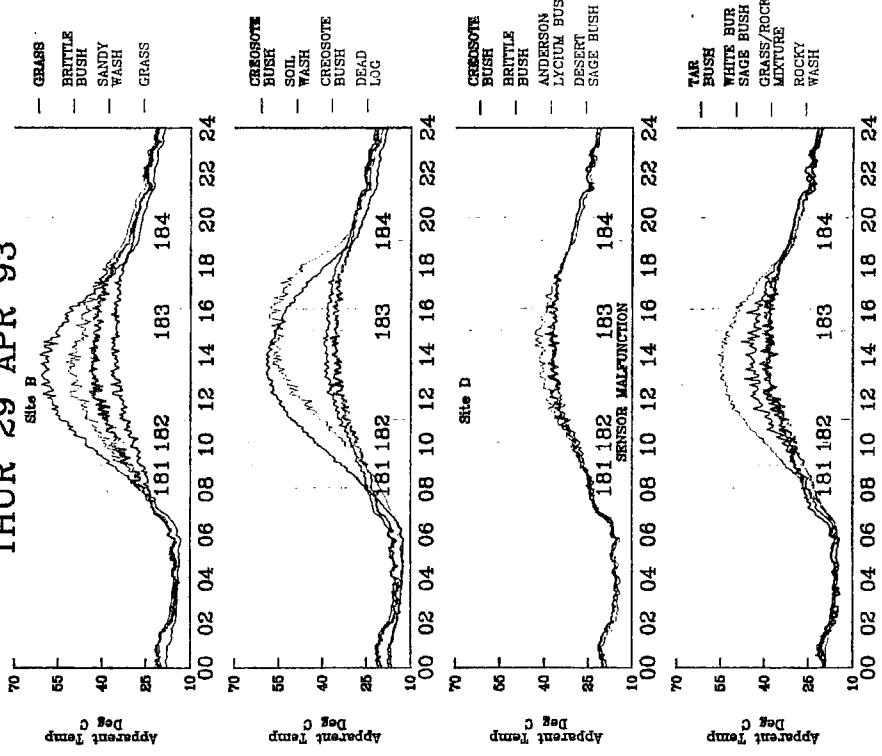
Apparent Temperature

WED 28 APR 93



Apparent Temperature

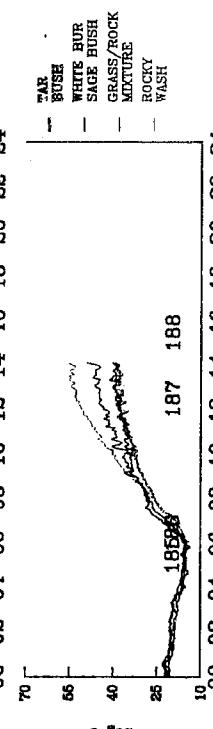
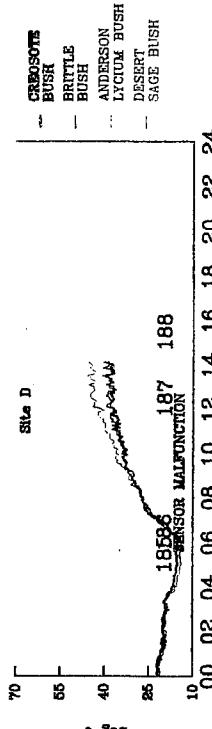
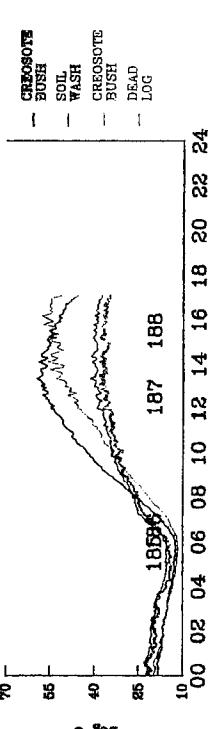
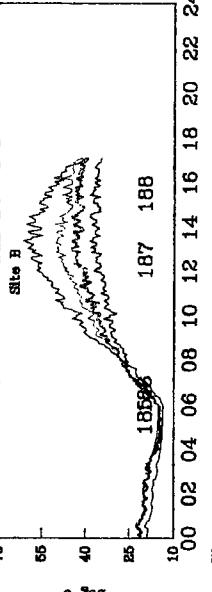
THUR 29 APR 93



Apparent Temperature

FRI 30 APR 93

Site B



Appendix F

Daily Soil Moisture Results

| Date | Sample Day | Time | SITE A Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 74 | 1 | 0825 | 80 | 3 | 6.1 | 3.5 | 3.8 | |
| 75 | 2 | 0910 | 165 | 5 | 1.3 | 3.8 | 4.1 | |
| 76 | 3 | 0845 | 314 | 6 | 1.5 | 2.5 | 2.4 | |
| 77 | 4 | 0915 | 170 | 2 | 2.6 | 3.2 | 3.3 | |
| 78 | 5 | 0850 | 280 | 1 | 2.5 | 2.4 | 3.1 | |
| 79 | 6 | 0845 | 276 | 3 | 2.6 | 2.9 | 3.3 | |
| 80 | 7 | 0730 | 347 | 7 | 2.5 | 2.5 | 2.6 | |
| 81 | 8 | 0755 | 270 | 9 | 0.7 | 1.8 | 2.3 | |
| 82 | 9 | 0650 | 31 | 2 | 2.4 | 2.3 | 2.9 | |
| 83 | 10 | 0945 | 172 | 7 | 1.8 | 2.4 | 3.0 | |
| 84 | 11 | 0845 | 229 | 1 | 2.3 | 2.6 | 3.1 | |
| 85 | 12 | 0725 | 161 | 3 | 2.1 | 2.3 | 2.8 | |
| 85 | 12 | 1635 | 347 | 2 | 5.7 | 11.4 | 12.9 | RAIN |
| 86 | 13 | 0730 | 68 | 2 | 9.8 | 11.2 | 13.0 | |
| 87 | 14 | 0815 | 248 | 1 | 5.8 | 8.5 | 9.4 | |
| 88 | 15 | 0805 | 136 | 8 | 5.9 | 8.5 | 8.4 | |
| 89 | 16 | 0810 | 310 | 6 | 3.2 | 4.5 | 5.4 | |
| 90 | 17 | 0700 | 191 | 6 | 3.9 | 3.9 | 4.4 | |
| 90 | 17 | 0725 | 103 | 5 | 3.8 | 3.1 | 3.5 | |
| 91 | 18 | 0740 | 69 | 3 | 3.5 | 3.9 | 4.4 | |
| 92 | 19 | 0750 | 180 | 6 | 3.4 | 3.2 | 3.4 | |
| 93 | 20 | 0740 | 251 | 7 | 2.8 | 3.3 | 4.5 | |
| 94 | 21 | 0630 | 204 | 2 | 3.0 | 2.5 | 3.0 | |
| 95 | 22 | 0630 | 100 | 4 | 3.4 | 3.4 | 3.5 | |
| 96 | 23 | 0845 | 257 | 8 | 2.5 | 2.2 | 2.8 | |
| 98 | 25 | 0750 | 247 | 21 | 2.6 | 2.6 | 3.8 | |
| 99 | 26 | 0910 | 191 | 5 | 2.1 | 2.6 | 3.3 | |
| 100 | 27 | 0735 | 306 | 6 | 2.1 | 2.6 | 2.4 | |
| 101 | 28 | 0830 | 333 | 6 | 2.9 | 2.5 | 3.1 | |
| 102 | 29 | 0815 | 128 | 2 | 2.1 | 1.8 | 2.8 | |
| 103 | 30 | 0725 | 57 | 3 | 0.9 | 2.0 | 2.3 | |

(Continued)

(Concluded)

| Date | Sample Day | Time | SITE A Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 104 | 31 | 0720 | 132 | 5 | 1.6 | 1.8 | 2.2 | |
| 105 | 32 | 0750 | 206 | 2 | 1.5 | 1.8 | 3.0 | |
| 106 | 33 | 0755 | 115 | 4 | 2.1 | 2.3 | 2.6 | |
| 107 | 34 | 0800 | 105 | 6 | 1.1 | 1.6 | 1.8 | |
| 108 | 35 | 0740 | 10 | 5 | 1.4 | 1.8 | 2.7 | |
| 109 | 36 | 0550 | 103 | 1 | 2.2 | 2.3 | 2.1 | |
| 110 | 37 | 0745 | 237 | 7 | 1.1 | 2.0 | 2.9 | |
| 111 | 38 | 0650 | 155 | 7 | 0.8 | 1.4 | 2.0 | |
| 112 | 39 | 1050 | 201 | 6 | 0.9 | 1.8 | 2.1 | |
| 113 | 40 | 0905 | 244 | 4 | 1.7 | 2.3 | 2.5 | |
| 114 | 41 | 0650 | 248 | 3 | 1.3 | 1.8 | 2.6 | |
| 115 | 42 | 0745 | 323 | 4 | 1.4 | 2.0 | 2.5 | |
| 116 | 43 | 0650 | 18 | 6 | 0.5 | 1.1 | 1.9 | |
| 117 | 44 | 0745 | 25 | 4 | 0.9 | 1.8 | 1.9 | |
| 118 | 45 | 0810 | 186 | 3 | 1.1 | 2.0 | 1.9 | |
| 119 | 46 | 0640 | 257 | 5 | 0.4 | 1.8 | | |
| 120 | 47 | 0825 | 288 | 7 | 0.4 | 1.7 | | |

| Date | Sample Day | Time | SITE B Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 74 | 1 | 1050 | 190 | 1 | 0.6 | 1.4 | 1.5 | |
| 75 | 2 | 0935 | 73 | 5 | 1.2 | 1.6 | 1.9 | |
| 76 | 3 | 0905 | 133 | 7 | 0.2 | 1.1 | 0.9 | |
| 77 | 4 | 0935 | 264 | 8 | | 1.0 | 0.9 | |
| 78 | 5 | 0910 | 87 | 6 | 1.4 | 1.2 | 1.2 | |
| 79 | 6 | 0900 | 318 | 2 | 1.2 | 1.0 | 1.2 | |
| 80 | 7 | 0740 | 285 | 8 | 1.6 | 1.3 | 1.7 | |
| 81 | 8 | 0825 | 132 | 7 | 0.8 | 1.0 | 1.3 | |
| 82 | 9 | 0710 | 142 | 8 | 1.2 | 1.1 | 1.1 | |
| 83 | 10 | 1000 | 201 | 2 | 1.3 | 1.1 | 1.0 | |
| 84 | 11 | 0905 | 81 | 6 | 1.1 | 1.2 | 1.5 | |
| 85 | 12 | 0745 | 305 | 1 | 1.3 | 1.0 | 1.1 | |
| 85 | 12.5 | 1655 | 242 | 7 | 3.1 | 8.1 | 8.8 | RAIN |
| 86 | 13 | 0755 | 104 | 6 | 4.2 | 8.2 | 8.3 | |
| 87 | 14 | 0830 | 188 | 5 | 2.4 | 4.4 | 5.0 | |
| 88 | 15 | 0825 | 133 | 3 | 2.4 | 3.0 | 4.8 | |
| 89 | 16 | 0825 | 116 | 7 | 2.1 | 4.0 | 3.8 | |
| 90 | 17 | 0715 | 266 | 8 | 2.7 | 3.6 | 2.9 | |
| 91 | 18 | 0740 | 82 | 2 | 1.5 | 1.4 | 1.5 | |
| 92 | 19 | 0755 | 253 | 3 | 2.0 | 0.9 | 1.5 | |
| 93 | 20 | 0805 | 271 | 4 | 1.2 | 0.7 | 1.2 | |
| 94 | 21 | 0755 | 138 | 4 | 1.5 | 0.8 | 1.0 | |
| 95 | 22 | 0845 | 17 | 4 | 1.3 | 0.8 | 1.3 | |
| 96 | 23 | 0645 | 124 | 3 | 1.1 | 0.8 | 1.3 | |
| 97 | 24 | 0900 | 46 | 9 | 1.2 | 1.0 | 1.2 | |
| 98 | 25 | 0750 | 52 | 5 | 1.0 | 1.3 | 1.5 | |
| 99 | 26 | 0925 | 182 | 5 | 1.1 | 0.6 | 0.9 | |
| 100 | 27 | 0755 | 26 | 8 | 1.5 | 1.0 | 1.7 | |
| 101 | 28 | 0845 | 336 | 2 | 1.3 | 0.7 | 1.0 | |
| 102 | 29 | 0830 | 111 | 7 | 1.1 | 0.7 | 1.0 | |
| 103 | 30 | 0740 | 82 | 2 | 0.7 | 0.6 | 1.2 | |

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(Concluded)

| Date | Sample Day | Time | SITE B Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 104 | 31 | 0740 | 691 | 5 | 0.9 | 0.9 | 1.0 | |
| 105 | 32 | 0805 | 331 | 6 | 0.9 | 0.8 | 0.9 | |
| 106 | 33 | 0810 | 236 | 3 | 0.6 | 0.8 | 0.7 | |
| 107 | 34 | 0815 | 16 | 4 | 1.0 | 0.9 | 1.1 | |
| 108 | 35 | 0755 | 308 | 5 | 0.4 | 0.5 | 0.7 | |
| 109 | 36 | 0600 | 66 | 5 | 0.8 | 0.6 | 0.8 | |
| 110 | 37 | 0800 | 60 | 9 | 0.7 | 0.6 | 0.8 | |
| 111 | 38 | 0710 | 199 | 2 | 0.8 | 0.8 | 0.8 | |
| 112 | 39 | 1105 | 225 | 6 | 0.6 | 0.7 | 0.7 | |
| 113 | 40 | 0925 | 251 | 3 | 0.7 | 0.5 | 0.6 | |
| 114 | 41 | 0705 | 62 | 1 | 0.7 | 0.6 | 0.8 | |
| 115 | 42 | 0800 | 113 | 3 | 0.6 | 0.6 | 0.8 | |
| 116 | 43 | 0705 | 140 | 8 | 0.3 | 0.7 | 0.9 | |
| 117 | 44 | 0800 | 331 | 2 | 0.8 | 0.6 | 0.7 | |
| 118 | 45 | 0825 | 160 | 8 | 0.5 | 0.6 | 0.7 | |
| 119 | 46 | 0655 | 295 | 5 | 0.5 | 0.4 | | |
| 120 | 47 | 0840 | 278 | 8 | 0.3 | 0.4 | | |

| Date | Sample Day | Time | SITE C Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 74 | 1 | 1040 | 107 | 7 | 1.3 | 3.0 | 3.5 | |
| 75 | 2 | 0955 | 82 | 8 | 1.5 | 2.3 | 2.9 | |
| 76 | 3 | 0915 | 187 | 2 | 0.6 | 1.8 | 1.8 | |
| 77 | 4 | 0945 | 147 | 3 | 1.0 | 1.4 | 1.3 | |
| 78 | 5 | 0925 | 285 | 4 | 1.5 | 1.8 | 2.2 | |
| 79 | 6 | 0915 | 242 | 5 | 1.0 | 1.2 | 1.5 | |
| 80 | 7 | 0750 | 4 | 8 | 1.4 | 1.5 | 2.0 | |
| 81 | 8 | 0835 | 114 | 6 | 1.4 | 1.6 | 1.6 | |
| 82 | 9 | 0720 | 23 | 6 | 1.6 | 1.7 | 2.1 | |
| 83 | 10 | 1015 | 306 | 4 | 1.7 | 1.9 | 2.5 | |
| 84 | 11 | 0915 | 275 | 4 | 1.2 | 1.3 | 1.4 | |
| 85 | 12 | 0755 | 219 | 4 | 1.5 | 1.8 | 2.7 | |
| 85 | 12 | 1705 | 109 | 3 | 3.3 | 9.9 | 10.5 | RAIN |
| 86 | 13 | 0810 | 316 | 5 | 4.4 | 13.1 | 11.9 | |
| 87 | 14 | 0840 | 15 | 1 | 4.4 | 7.8 | 9.2 | |
| 88 | 15 | 0840 | 277 | 8 | 2.8 | 4.5 | 5.4 | |
| 89 | 16 | 0840 | 91 | 5 | 1.9 | 3.9 | 4.7 | |
| 90 | 17 | 0730 | 331 | 7 | 2.7 | 3.8 | 4.2 | |
| 91 | 18 | 0755 | 8 | 2 | 1.8 | 3.0 | 3.5 | |
| 92 | 19 | 0810 | 218 | 1 | 2.1 | 2.3 | 2.7 | |
| 93 | 20 | 0820 | 249 | 2 | 2.0 | 2.6 | 3.0 | |
| 94 | 21 | 0805 | 106 | 4 | 1.4 | 1.8 | 2.3 | |
| 95 | 22 | 0830 | 163 | 2 | 1.9 | 2.2 | 3.0 | |
| 96 | 23 | 0700 | 82 | 3 | 1.6 | 1.8 | 2.5 | |
| 97 | 24 | 0910 | 125 | 5 | 1.7 | 2.2 | 2.9 | |
| 98 | 25 | 0805 | 224 | 3 | 1.5 | 2.0 | 2.4 | |
| 99 | 26 | 0940 | 3 | 1 | 1.6 | 1.6 | 2.1 | |
| 100 | 27 | 0805 | 90 | 5 | 1.2 | 1.4 | 2.0 | |
| 101 | 28 | 0900 | 96 | 5 | 1.1 | 1.5 | 2.1 | |
| 102 | 29 | 0845 | 328 | 5 | 1.1 | 1.2 | 1.7 | |
| 103 | 30 | 0800 | 7 | 2 | 0.9 | 1.3 | 1.8 | |

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(Concluded)

| Date | Sample Day | Time | SITE C Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 104 | 31 | 0750 | 76 | 8 | 0.8 | 1.1 | 1.2 | |
| 105 | 32 | 0820 | 175 | 7 | 1.2 | 1.5 | 1.8 | |
| 106 | 33 | 0825 | 188 | 9 | 1.8 | 1.9 | 1.9 | |
| 107 | 34 | 0830 | 239 | 6 | 1.2 | 1.6 | 2.0 | |
| 108 | 35 | 0810 | 314 | 3 | 1.1 | 1.2 | 2.0 | |
| 109 | 36 | 0615 | 249 | 4 | 1.1 | 1.3 | 1.3 | |
| 110 | 37 | 0815 | 150 | 6 | 1.2 | 1.2 | 1.6 | |
| 111 | 38 | 0725 | 302 | 4 | 1.1 | 1.3 | 1.4 | |
| 112 | 39 | 1115 | 259 | 6 | 1.4 | 1.7 | 2.0 | |
| 113 | 40 | 0940 | 215 | 9 | 0.9 | 0.9 | 1.1 | |
| 114 | 41 | 0720 | 332 | 2 | 0.9 | 1.1 | 1.9 | |
| 115 | 42 | 0815 | 62 | 3 | 1.2 | 1.5 | 1.7 | |
| 116 | 43 | 0720 | 200 | 2 | 1.6 | 1.6 | 1.6 | |
| 117 | 44 | 0815 | 265 | 5 | 1.1 | 1.4 | 1.4 | |
| 118 | 45 | 0840 | 55 | 6 | 1.1 | 1.5 | 1.6 | |
| 119 | 46 | 0710 | 291 | 2 | 1.0 | 1.2 | | |
| 120 | 47 | 0850 | 351 | 8 | 0.8 | 1.1 | | |

| Date | Sample Day | Time | SITE D Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 74 | 1 | 0845 | 282 | 3 | 1.0 | 1.9 | 2.3 | |
| 75 | 2 | 1010 | 315 | 5 | 1.4 | 2.2 | 2.3 | |
| 76 | 3 | 0930 | 31 | 6 | 0.4 | 1.0 | 1.1 | |
| 77 | 4 | 1000 | 105 | 2 | 0.8 | 1.2 | 1.6 | |
| 78 | 5 | 0940 | 153 | 1 | 1.5 | 1.2 | 1.4 | |
| 79 | 6 | 0930 | 173 | 3 | 0.9 | 1.3 | 1.6 | |
| 80 | 7 | 0800 | 311 | 7 | 1.2 | 1.2 | 1.4 | |
| 81 | 8 | 0855 | 236 | 9 | 0.7 | 1.1 | 1.2 | |
| 82 | 9 | 0740 | 222 | 2 | 1.7 | 1.9 | 1.4 | |
| 83 | 10 | 1035 | 116 | 7 | 1.2 | 1.2 | 1.8 | |
| 84 | 11 | 0935 | 145 | 1 | 0.9 | 1.4 | 1.8 | |
| 85 | 12 | 0810 | 157 | 3 | 0.9 | 1.1 | 1.5 | |
| 85 | 12 | 1720 | 78 | 2 | 3.2 | 11.6 | 12.0 | RAIN |
| 86 | 13 | 0835 | 175 | 2 | 4.9 | 9.2 | 10.3 | |
| 87 | 14 | 0900 | 11 | 1 | 2.0 | 5.0 | 5.3 | |
| 88 | 15 | 0855 | 301 | 8 | 1.8 | 3.0 | 3.1 | |
| 89 | 16 | 0855 | 168 | 6 | 2.9 | 4.9 | 5.2 | |
| 90 | 17 | 0740 | 288 | 6 | 2.0 | 1.8 | 2.4 | |
| 91 | 18 | 0805 | 57 | 3 | 1.1 | 2.0 | 1.9 | |
| 92 | 19 | 0820 | 2 | 4 | 1.5 | 1.7 | 2.1 | |
| 93 | 20 | 0830 | 24 | 5 | 1.3 | 1.6 | 1.5 | |
| 94 | 21 | 0825 | 127 | 4 | 1.8 | 2.3 | 2.7 | |
| 95 | 22 | 0815 | 66 | 8 | 1.2 | 1.2 | 1.5 | |
| 96 | 23 | 0710 | 110 | 4 | 1.5 | 1.2 | 1.7 | |
| 97 | 24 | 0925 | 192 | 7 | 1.7 | 1.4 | 1.4 | |
| 98 | 25 | 0815 | 109 | 9 | 1.1 | 1.3 | 1.7 | |
| 99 | 26 | 0955 | 3 | 1 | 1.1 | 1.0 | 1.2 | |
| 100 | 27 | 0820 | 167 | 6 | 1.6 | 1.6 | 1.6 | |
| 101 | 28 | 0910 | 171 | 6 | 1.0 | 1.2 | 1.4 | |
| 102 | 29 | 0900 | 183 | 2 | 0.9 | 1.1 | 1.2 | |
| 103 | 30 | 0810 | 57 | 3 | 1.0 | 0.8 | 1.0 | |

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| Date | Sample Day | Time | SITE D Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 104 | 31 | 0810 | 311 | 5 | 0.6 | 1.0 | 1.0 | |
| 105 | 32 | 0835 | 279 | 2 | 0.7 | 1.0 | 1.3 | |
| 106 | 33 | 0840 | 340 | 4 | 0.9 | 1.1 | 1.3 | |
| 107 | 34 | 0850 | 222 | 6 | 0.6 | 0.7 | 0.9 | |
| 108 | 35 | 0820 | 71 | 5 | 0.6 | 1.1 | 1.0 | |
| 109 | 36 | 0630 | 127 | 1 | 0.7 | 1.0 | 1.2 | |
| 110 | 37 | 0830 | 210 | 7 | 0.6 | 0.9 | 1.1 | |
| 111 | 38 | 0740 | 113 | 7 | 0.7 | 0.9 | 1.1 | |
| 112 | 39 | 1130 | 236 | 6 | 0.2 | 0.6 | 0.7 | |
| 113 | 40 | 0955 | 359 | 4 | 0.8 | 1.0 | 1.6 | |
| 114 | 41 | 0730 | 32 | 3 | 0.7 | 1.0 | 1.2 | |
| 115 | 42 | 0825 | 96 | 4 | 0.5 | 0.8 | 1.0 | |
| 116 | 43 | 0735 | 41 | 6 | 0.4 | 0.8 | 1.0 | |
| 117 | 44 | 0830 | 189 | 4 | 0.5 | 0.8 | 1.0 | |
| 118 | 45 | 0855 | 245 | 3 | 0.3 | 0.7 | 0.8 | |
| 119 | 46 | 0720 | 54 | 5 | 0.4 | 0.6 | | |
| 120 | 47 | 0905 | 302 | 7 | 0.5 | 0.6 | | |

| Date | Sample Day | Time | SITE E Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 74 | 1 | 0810 | 199 | 7 | 3.3 | 3.3 | 3.9 | |
| 75 | 2 | 0850 | 325 | 6 | 1.6 | 2.1 | 2.7 | |
| 76 | 3 | 0835 | 85 | 9 | 3.5 | 3.2 | 3.3 | |
| 77 | 4 | 0900 | 347 | 5 | 1.4 | 1.5 | 3.0 | |
| 78 | 5 | 0835 | 352 | 2 | 1.1 | 2.0 | 2.5 | |
| 79 | 6 | 0830 | 97 | 8 | 3.6 | 3.3 | 3.6 | |
| 80 | 7 | 0715 | 30 | 2 | 1.3 | 1.8 | 2.3 | |
| 81 | 8 | 0640 | 54 | 9 | 3.2 | 2.9 | 3.7 | |
| 82 | 9 | 0635 | 103 | 5 | 2.4 | 2.5 | 2.9 | |
| 83 | 10 | 0925 | 221 | 4 | 1.7 | 1.8 | 2.1 | |
| 84 | 11 | 0830 | 340 | 2 | 0.4 | 1.9 | 2.3 | |
| 85 | 12 | 0715 | 70 | 7 | 3.7 | 3.1 | 3.4 | |
| 85 | 12 | 1625 | 304 | 4 | 3.7 | 11.1 | 11.9 | RAIN |
| 86 | 13 | 0720 | 27 | 3 | 6.2 | 10.2 | 12.9 | |
| 87 | 14 | 0800 | 196 | 1 | 2.5 | 6.7 | 7.4 | |
| 88 | 15 | 0750 | 86 | 7 | 5.1 | 8.1 | 8.3 | |
| 89 | 16 | 0755 | 232 | 1 | 2.8 | 4.3 | 3.6 | |
| 90 | 17 | 0650 | 352 | 1 | 2.8 | 4.7 | 4.4 | |
| 91 | 18 | 0710 | 342 | 8 | 3.2 | 3.2 | 4.2 | |
| 92 | 19 | 0725 | 326 | 3 | 1.3 | 2.0 | 2.4 | |
| 93 | 20 | 0735 | 3 | 4 | 2.4 | 3.0 | 3.5 | |
| 94 | 21 | 0725 | 95 | 3 | 2.4 | 3.1 | 3.3 | |
| 95 | 22 | 0615 | 212 | 7 | 2.0 | 2.3 | 3.0 | |
| 96 | 23 | 0615 | 68 | 2 | 2.2 | 2.1 | 3.2 | |
| 97 | 24 | 0830 | 271 | 2 | 1.9 | 1.8 | 2.0 | |
| 98 | 25 | 0720 | 282 | 9 | 1.8 | 1.7 | 1.9 | |
| 99 | 26 | 0900 | 183 | 1 | 1.4 | 1.6 | 2.0 | |
| 100 | 27 | 0725 | 231 | 1 | 1.7 | 1.7 | 2.5 | |
| 101 | 28 | 0815 | 237 | 1 | 2.0 | 1.7 | 2.6 | |
| 102 | 29 | 0800 | 39 | 3 | 2.2 | 2.0 | 2.6 | |
| 103 | 30 | 0710 | 342 | 8 | 2.7 | 2.0 | 3.1 | |

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(Concluded)

| Date | Sample Day | Time | SITE E Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|--------------------|
| 104 | 31 | 0710 | 317 | 5 | | 1.2 | 1.5 | No Troxler Reading |
| 105 | 32 | 0730 | 123 | 3 | 1.5 | 1.4 | 2.4 | |
| 106 | 33 | 0745 | 292 | 2 | 1.3 | 1.2 | 1.6 | |
| 107 | 34 | 0745 | 247 | 7 | 0.7 | 1.4 | 0.7 | |
| 108 | 35 | 0725 | 77 | 5 | 2.3 | 2.1 | 2.4 | |
| 109 | 36 | 0535 | 310 | 1 | 1.8 | 1.7 | 1.4 | |
| 110 | 37 | 0730 | 299 | 3 | 0.9 | 0.9 | 1.2 | |
| 111 | 38 | 0635 | 217 | 4 | 0.7 | 0.8 | 1.6 | |
| 112 | 39 | 1035 | 270 | 7 | 0.6 | 0.9 | 1.7 | |
| 113 | 40 | 0850 | 322 | 3 | 0.6 | 1.1 | 1.4 | |
| 114 | 41 | 0640 | 302 | 7 | 0.6 | 1.2 | 1.7 | |
| 115 | 42 | 0730 | 45 | 2 | 0.9 | 1.4 | 1.9 | |
| 116 | 43 | 0630 | 100 | 9 | 1.4 | 1.8 | 2.2 | |
| 117 | 44 | 0730 | 123 | 9 | 1.3 | 2.0 | 2.3 | |
| 118 | 45 | 0755 | 140 | 6 | 1.1 | 1.6 | 2.0 | |
| 119 | 46 | 0625 | 51 | 5 | 1.7 | 2.0 | | |
| 120 | 47 | 0810 | 16 | 2 | 0.9 | 1.3 | | |

| Date | Sample Day | Time | SITE F Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 74 | 1 | 0745 | 98 | 5 | 1.2 | 2.0 | 2.6 | |
| 74 | 1 | 0825 | 69 | 4 | 1.2 | 1.9 | 1.7 | |
| 75 | 2 | 0820 | 232 | 7 | 0.7 | 0.9 | 1.3 | |
| 76 | 3 | 0840 | 24 | 8 | 1.1 | 1.3 | 1.6 | |
| 77 | 4 | 0820 | 223 | 6 | 1.4 | 1.4 | 1.8 | |
| 78 | 5 | 0810 | 199 | 6 | 1.9 | 2.0 | 2.2 | |
| 79 | 6 | 0700 | 75 | 5 | 1.1 | 1.1 | 1.4 | |
| 80 | 7 | 0625 | 29 | 8 | 0.6 | 0.8 | 1.4 | |
| 81 | 8 | 0620 | 54 | 4 | 1.5 | 1.6 | 1.3 | |
| 82 | 9 | 0900 | 95 | 5 | 1.2 | 1.2 | 1.8 | |
| 83 | 10 | 0810 | 130 | 6 | 0.8 | 1.3 | 1.6 | |
| 84 | 11 | 0700 | 3 | 2 | 0.4 | 1.1 | 1.4 | |
| 85 | 12 | 1610 | 94 | 8 | 3.1 | 10.1 | 9.8 | RAIN |
| 85 | 12 | 0655 | 47 | 6 | 6.2 | 9.0 | 9.9 | |
| 86 | 13 | 0745 | 255 | 2 | 2.2 | 6.4 | 6.8 | |
| 87 | 14 | 0730 | 127 | 9 | 1.8 | 3.6 | 3.8 | |
| 88 | 15 | 0745 | 123 | 9 | 1.7 | 2.9 | 2.9 | |
| 89 | 16 | 0630 | 222 | 4 | 2.0 | 2.0 | 2.0 | |
| 90 | 17 | 0655 | 163 | 7 | 3.3 | 2.9 | 3.2 | |
| 91 | 18 | 0715 | 86 | 8 | 2.4 | 1.2 | 1.4 | |
| 92 | 19 | 0720 | 244 | 7 | 1.0 | 1.6 | 1.7 | |
| 93 | 20 | 0710 | 271 | 2 | 0.9 | 1.2 | 1.3 | |
| 94 | 21 | 0600 | 45 | 4 | 1.3 | 1.7 | 1.6 | |
| 95 | 22 | 0600 | 142 | 4 | 0.8 | 1.3 | 1.8 | |
| 96 | 23 | 0815 | 293 | 6 | 0.4 | 1.4 | 1.6 | |
| 98 | 25 | 0705 | 353 | 2 | 0.8 | 1.3 | 1.1 | |
| 99 | 26 | 0845 | 104 | 1 | 1.2 | 1.0 | 1.2 | |
| 100 | 27 | 0710 | 244 | 2 | 1.4 | 1.2 | 1.3 | |
| 101 | 28 | 0800 | 247 | 2 | 0.6 | 1.3 | 1.6 | |
| 102 | 29 | 0740 | 128 | 2 | 0.4 | 1.1 | 1.4 | |
| 103 | 30 | 0650 | 106 | 3 | 1.4 | 1.7 | 1.7 | |

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(Concluded)

| Date | Sample Day | Time | SITE F Azimuth Deg | SWOE Distance Steps | YUMA 1 WES 1 Troxler %VOL | SOIL WES 2 Speedy %WET | MOISTURE WES 3 Oven %DRY | Remarks |
|------|------------|------|--------------------|---------------------|---------------------------|------------------------|--------------------------|---------|
| 104 | 31 | 0640 | 187 | 3 | 0.2 | 0.6 | 0.8 | |
| 105 | 32 | 0715 | 24 | 8 | 0.1 | 0.6 | 0.9 | |
| 106 | 33 | 0725 | 132 | 6 | 0.7 | 0.7 | 1.4 | |
| 107 | 34 | 0730 | 205 | 6 | 0.1 | 0.8 | 1.4 | |
| 108 | 35 | 0710 | 187 | 8 | 0.3 | 0.6 | 0.9 | |
| 109 | 36 | 0520 | 5 | 2 | 0.0 | 0.3 | 1.0 | |
| 110 | 37 | 0715 | 270 | 2 | 0.1 | 0.6 | 1.3 | |
| 111 | 38 | 0620 | 284 | 5 | 0.2 | 0.8 | 0.7 | |
| 112 | 39 | 1020 | 214 | 6 | 0.1 | 0.8 | 1.0 | |
| 113 | 40 | 0840 | 144 | 7 | 0.4 | 0.9 | 0.8 | |
| 114 | 41 | 0625 | 91 | 2 | 0.1 | 1.0 | 1.3 | |
| 115 | 42 | 0715 | 130 | 3 | 0.2 | 0.9 | 1.1 | |
| 116 | 43 | 0615 | 240 | 4 | 0.1 | 0.7 | 0.9 | |
| 117 | 44 | 0720 | 114 | 8 | 0.0 | 0.6 | 0.8 | |
| 118 | 45 | 0735 | 75 | 5 | 0.3 | 0.8 | 1.3 | |
| 119 | 46 | 0610 | 177 | 8 | 0.0 | 0.4 | | |
| 120 | 47 | 0800 | 253 | 7 | 0.5 | 0.9 | | |

Appendix G

Plant Geometry and Location Data

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1 | 1714 CR | Creosote | 1.7 | 1.2 | 755910.000 | 3650830.000 | 245.340 |
| 2 | 1715 CR | Creosote | 1.5 | 1.2 | 755909.100 | 3650829.000 | 245.382 |
| 3 | 1884 CR | Creosote | 0.6 | 0.7 | 755908.500 | 3650828.000 | 244.837 |
| 4 | 2001 CR | Creosote | 1.4 | 1.0 | 755906.600 | 3650833.000 | 245.149 |
| 5 | 2002 CR | Creosote | 1.8 | 1.2 | 755902.900 | 3650833.000 | 245.110 |
| 6 | 2003 CR | Creosote | 1.6 | 0.9 | 755900.800 | 3650827.000 | 245.120 |
| 7 | 2004 CR | Creosote | 0.9 | 1.2 | 755907.800 | 3650826.000 | 245.479 |
| 8 | 2005 CR | Creosote | 1.9 | 1.0 | 755905.400 | 3650823.000 | 246.155 |
| 9 | 2006 CR | Creosote | 1.1 | 0.8 | 755904.300 | 3650823.000 | 246.080 |
| 10 | 2007 CR | Creosote | 1.7 | 1.3 | 755904.600 | 3650822.000 | 245.235 |
| 11 | 2008 CR | Creosote | 1.8 | 1.3 | 755899.800 | 3650824.000 | 245.217 |
| 12 | 2009 CR | Creosote | 1.6 | 0.8 | 755904.400 | 3650816.000 | 245.071 |
| 13 | 2010 WB | White Burr Sage | 0.9 | 0.4 | 755899.400 | 3650814.000 | 245.091 |
| 14 | 2011 CR | Creosote | 1.8 | 1.3 | 755898.600 | 3650818.000 | 245.934 |
| 15 | 2012 CR | Creosote | 1.1 | 0.8 | 755891.100 | 3650820.000 | 245.303 |
| 16 | 2013 CR | Creosote | 1.5 | 0.9 | 755891.400 | 3650818.000 | 245.042 |
| 17 | 2014 CR | Creosote | 0.5 | 0.5 | 755892.100 | 3650829.000 | 245.443 |
| 18 | 2015 CR | Creosote | 2.5 | 1.4 | 755885.100 | 3650817.000 | 246.254 |
| 19 | 2016 WB | White Burr Sage | 0.9 | 0.6 | 755883.400 | 3650816.000 | 245.904 |
| 20 | 2017 WB | White Burr Sage | 0.8 | 0.5 | 755884.200 | 3650815.000 | 246.931 |
| 21 | 2018 CR | Creosote | 1.3 | 0.8 | 755891.300 | 3650813.000 | 246.027 |
| 22 | 2019 CR | Creosote | 1.4 | 1.4 | 755893.600 | 3650813.000 | 245.889 |
| 23 | 2020 CR | Creosote | 1.1 | 1.2 | 755841.300 | 3650833.000 | 245.760 |
| 24 | 2021 CR | Creosote | 0.8 | 0.8 | 755839.600 | 3650837.000 | 245.428 |
| 25 | 2022 CR | Creosote | 2.0 | 1.3 | 755838.300 | 3650838.000 | 245.279 |
| 26 | 2023 CR | Creosote | 1.0 | 0.7 | 755833.500 | 3650839.000 | 245.573 |
| 27 | 2024 CR | Creosote | 1.6 | 1.1 | 755830.800 | 3650844.000 | 245.292 |
| 28 | 2025 CC | Catclaw | 7.5 | 5.9 | 755827.100 | 3650843.000 | 245.144 |
| 29 | 2026 B2 | Unidentified | 1.1 | 0.7 | 755821.300 | 3650845.000 | 244.999 |
| 30 | 2027 GP | Cholla | 1.0 | 0.9 | 755820.500 | 3650845.000 | 245.161 |
| 31 | 2028 GP | Cholla | 2.1 | 1.4 | 755817.500 | 3650843.000 | 245.223 |
| 32 | 2029 DW | Deadwood | 3.6 | 1.0 | 755816.600 | 3650842.000 | 244.908 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 33 | 2030 YP | Yellow Paloverde | 0.9 | 1.2 | 755818.700 | 3650840.000 | 244.932 |
| 34 | 2031 CR | Creosote | 2.4 | 1.6 | 755825.700 | 3650841.000 | 244.833 |
| 35 | 2032 DW | Deadwood | 1.1 | 3.6 | 755825.200 | 3650836.000 | 244.812 |
| 36 | 2033 CR | Creosote | 2.1 | 1.7 | 755822.500 | 3650832.000 | 245.017 |
| 37 | 2034 CR | Creosote | 1.5 | 1.1 | 755831.400 | 3650835.000 | 245.197 |
| 38 | 2035 CR | Creosote | 1.4 | 1.6 | 755830.600 | 3650832.000 | 245.071 |
| 39 | 2036 CR | Creosote | 0.9 | 1.0 | 755827.800 | 3650832.000 | 244.907 |
| 40 | 2037 CR | Creosote | 2.2 | 1.5 | 755824.600 | 3650828.000 | 244.898 |
| 41 | 2038 CR | Creosote | 1.3 | 1.1 | 755819.600 | 3650829.000 | 245.138 |
| 42 | 2039 CR | Creosote | 1.6 | 1.2 | 755814.400 | 3650829.000 | 245.269 |
| 43 | 2040 CR | Creosote | 1.2 | 1.1 | 755813.800 | 3650829.000 | 245.336 |
| 44 | 2041 CR | Creosote | 0.9 | 1.0 | 755813.600 | 3650835.000 | 245.115 |
| 45 | 2042 CR | Creosote | 2.4 | 1.6 | 755809.800 | 3650834.000 | 244.772 |
| 46 | 2043 CR | Creosote | 1.7 | 1.9 | 755809.200 | 3650834.000 | 244.767 |
| 47 | 2044 CR | Creosote | 1.7 | 1.9 | 755811.000 | 3650830.000 | 244.749 |
| 48 | 2045 CR | Creosote | 1.9 | 2.0 | 755809.300 | 3650829.000 | 245.093 |
| 49 | 2047 DS | Brittle Bush | 0.4 | 0.4 | 755815.600 | 3650826.000 | 245.030 |
| 50 | 2047 DS | Brittle Bush | 0.4 | 0.3 | 755818.900 | 3650825.000 | 245.186 |
| 51 | 2048 CR | Creosote | 0.7 | 0.6 | 755820.700 | 3650821.000 | 244.677 |
| 52 | 2049 DS | Brittle Bush | 0.3 | 0.2 | 755823.400 | 3650817.000 | 244.659 |
| 53 | 2050 CR | Creosote | 1.2 | 1.0 | 755825.900 | 3650813.000 | 244.825 |
| 54 | 2051 CR | Creosote | 0.8 | 0.8 | 755825.800 | 3650812.000 | 244.714 |
| 55 | 2052 CR | Creosote | 1.3 | 1.0 | 755825.900 | 3650811.000 | 244.869 |
| 56 | 2053 CR | Creosote | 1.4 | 1.1 | 755829.700 | 3650814.000 | 244.960 |
| 57 | 2054 CR | Creosote | 0.5 | 0.4 | 755829.500 | 3650812.000 | 245.355 |
| 58 | 2055 CR | Creosote | 0.9 | 0.8 | 755833.600 | 3650803.000 | 246.124 |
| 59 | 2056 CR | Creosote | 1.3 | 0.9 | 755833.800 | 3650802.000 | 246.572 |
| 60 | 2057 CR | Creosote | 0.5 | 0.3 | 755967.400 | 3650832.000 | 246.838 |
| 61 | 2058 WB | White Burr Sage | 0.6 | 0.3 | 755967.600 | 3650831.000 | 246.921 |
| 62 | 2059 CR | Creosote | 2.0 | 0.9 | 755901.800 | 3650808.000 | 246.605 |
| 63 | 2060 CR | Creosote | 1.5 | 1.0 | 755818.400 | 3650835.000 | 246.719 |
| 64 | 2061 CR | Creosote | 1.9 | 1.3 | 755814.300 | 3650835.000 | 248.286 |

(Sheet 2 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 65 | 2062 CR | Creosote | 1.9 | 1.3 | 755814.800 | 3650836.000 | 248.286 |
| 66 | 2063 DS | Brittle Bush | 0.2 | 0.3 | 755810.900 | 3650823.000 | 244.822 |
| 67 | 2064 CR | Creosote | 1.5 | 1.3 | 755809.000 | 3650826.000 | 244.741 |
| 68 | 2065 DS | Brittle Bush | 0.3 | 0.3 | 755808.300 | 3650825.000 | 244.630 |
| 69 | 2066 CR | Creosote | 3.3 | 2.1 | 755805.800 | 3650828.000 | 244.789 |
| 70 | 2067 DS | Brittle Bush | 2.0 | 1.0 | 755804.100 | 3650827.000 | 244.697 |
| 71 | 2068 DS | Brittle Bush | 1.7 | 1.1 | 755804.900 | 3650830.000 | 244.939 |
| 72 | 2069 CR | Creosote | 3.5 | 2.2 | 755803.300 | 3650832.000 | 244.241 |
| 73 | 2070 CC | Catclaw | 3.4 | 2.4 | 755804.700 | 3650833.000 | 244.304 |
| 74 | 2071 DW | Deadwood | 3.9 | 2.1 | 755807.200 | 3650831.000 | 244.762 |
| 75 | 2072 DS | Brittle Bush | 0.4 | 0.4 | 755797.600 | 3650831.000 | 244.131 |
| 76 | 2073 CR | Creosote | 4.2 | 2.0 | 755798.800 | 3650830.000 | 244.181 |
| 77 | 2074 DS | Brittle Bush | 1.8 | 1.1 | 755801.000 | 3650830.000 | 244.314 |
| 78 | 2075 DS | Brittle Bush | 0.4 | 0.4 | 755797.600 | 3650826.000 | 244.804 |
| 79 | 2076 DW | Deadwood | 1.2 | 1.5 | 755795.300 | 3650826.000 | 244.335 |
| 80 | 2077 CR | Creosote | 2.8 | 1.7 | 755798.300 | 3650823.000 | 244.343 |
| 81 | 2078 CR | Creosote | 1.6 | 1.1 | 755800.900 | 3650823.000 | 244.636 |
| 82 | 2079 PB | Morman Tea | 0.7 | 0.6 | 755801.600 | 3650821.000 | 244.655 |
| 83 | 2080 WB | White Burr Sage | 1.5 | 0.8 | 755804.400 | 3650823.000 | 244.717 |
| 84 | 2081 CR | Creosote | 1.7 | 1.8 | 755806.600 | 3650821.000 | 244.593 |
| 85 | 2082 CR | Creosote | 1.4 | 1.0 | 755804.600 | 3650820.000 | 244.608 |
| 86 | 2083 CR | Creosote | 1.1 | 0.8 | 755804.700 | 3650819.000 | 244.728 |
| 87 | 2084 CR | Creosote | 1.2 | 0.4 | 755807.800 | 3650812.000 | 245.277 |
| 88 | 2085 CR | Creosote | 1.5 | 0.9 | 755809.600 | 3650808.000 | 245.999 |
| 89 | 2086 CR | Creosote | 0.7 | 0.3 | 755812.300 | 3650811.000 | 245.953 |
| 90 | 2087 CR | Creosote | 0.4 | 0.4 | 755811.900 | 3650807.000 | 246.229 |
| 91 | 2088 CR | Creosote | 1.8 | 0.7 | 755814.300 | 3650807.000 | 246.562 |
| 92 | 2088 DS | Brittle Bush | 0.7 | 0.6 | 755811.100 | 3650805.000 | 246.632 |
| 93 | 2090 WB | White Burr Sage | 0.3 | 0.5 | 755798.900 | 3650818.000 | 244.523 |
| 94 | 2091 DS | Brittle Bush | 0.4 | 0.5 | 755798.400 | 3650818.000 | 244.469 |
| 95 | 2092 WB | White Burr Sage | 1.5 | 1.0 | 755798.600 | 3650816.000 | 244.332 |

(Sheet 3 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 96 | 2093 DS | Brittle Bush | 1.8 | 0.9 | 755796.100 | 3650820.000 | 244.370 |
| 97 | 2094 CR | Creosote | 2.0 | 1.1 | 755793.400 | 3650824.000 | 244.492 |
| 98 | 2095 WB | White Burr Sage | 0.7 | 0.3 | 755792.800 | 3650823.000 | 244.410 |
| 99 | 2096 CR | Creosote | 1.3 | 0.8 | 755794.400 | 3650818.000 | 244.584 |
| 100 | 2097 CR | Creosote | 3.2 | 1.9 | 755793.000 | 3650819.000 | 244.357 |
| 101 | 2098 DW | Deadwood | 0.6 | 0.7 | 755797.300 | 3650814.000 | 244.848 |
| 102 | 2099 CR | Creosote | 2.2 | 1.5 | 755668.300 | 3650814.000 | 244.280 |
| 103 | 3000 CR | Creosote | 2.1 | 1.1 | 755668.900 | 3650817.000 | 244.104 |
| 104 | 3001 CR | Creosote | 1.8 | 1.0 | 755670.600 | 3650815.000 | 244.273 |
| 105 | 3002 CR | Creosote | 1.2 | 0.9 | 755671.800 | 3650817.000 | 244.253 |
| 106 | 3003 CR | Creosote | 1.6 | 0.8 | 755676.600 | 3650815.000 | 244.227 |
| 107 | 3004 WB | White Burr Sage | 0.3 | 0.3 | 755681.900 | 3650814.000 | 245.140 |
| 108 | 3005 WB | White Burr Sage | 0.7 | 0.4 | 755683.900 | 3650813.000 | 244.285 |
| 109 | 3006 CR | Creosote | 2.3 | 1.1 | 755686.300 | 3650813.000 | 244.463 |
| 110 | 3007 CR | Creosote | 1.6 | 1.9 | 755681.200 | 3650818.000 | 244.499 |
| 111 | 3008 CR | Creosote | 2.7 | 1.9 | 755672.800 | 3650822.000 | 244.318 |
| 112 | 3009 CR | Creosote | 3.2 | 1.3 | 755674.400 | 3650822.000 | 244.319 |
| 113 | 3010 YP | Yellow Paloverde | 6.9 | 4.0 | 755667.600 | 3650820.000 | 244.413 |
| 114 | 3011 PB | Mormon Tea | 1.4 | 2.1 | 755671.100 | 3650824.000 | 244.188 |
| 115 | 3012 DW | Deadwood | 1.5 | 0.4 | 755673.300 | 3650830.000 | 244.144 |
| 116 | 3013 CR | Creosote | 2.3 | 1.1 | 755675.900 | 3650829.000 | 244.785 |
| 117 | 3014 WB | White Burr Sage | 0.8 | 0.5 | 755682.100 | 3650826.000 | 243.854 |
| 118 | 3015 DH | Desert Holly | 1.0 | 1.2 | 755680.400 | 3650828.000 | 244.183 |
| 119 | 3016 DH | Desert Holly | 0.7 | 0.7 | 755682.700 | 3650827.000 | 244.193 |
| 120 | 3017 DH | Desert Holly | 1.8 | 1.5 | 755684.100 | 3650827.000 | 244.187 |
| 121 | 3018 DH | Desert Holly | 2.0 | 1.5 | 755684.300 | 3650827.000 | 244.226 |
| 122 | 3019 CR | Creosote | 1.9 | 1.1 | 755681.900 | 3650830.000 | 244.272 |
| 123 | 3020 CR | Creosote | 0.8 | 1.0 | 755684.400 | 3650829.000 | 244.378 |
| 124 | 3021 DH | Desert Holly | 1.9 | 1.9 | 755685.600 | 3650828.000 | 244.216 |
| 125 | 3022 DH | Desert Holly | 4.3 | 2.2 | 755685.000 | 3650832.000 | 244.297 |
| 126 | 3023 PB | Mormon Tea | 0.9 | 1.8 | 755684.200 | 3650822.000 | 244.369 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 127 | 3024 CR | Creosote | 1.1 | 0.9 | 755684.400 | 3650824.000 | 244.286 |
| 128 | 3025 DS | Brittle Bush | 0.4 | 0.3 | 755684.600 | 3650836.000 | 244.967 |
| 129 | 3026 TS | Desert Sage | 2.3 | 1.9 | 755685.300 | 3650836.000 | 244.214 |
| 130 | 3026 TS | Desert Sage | 0.9 | 1.5 | 755687.100 | 3650836.000 | 244.227 |
| 131 | 3028 DH | Desert Holly | 1.3 | 1.9 | 755688.500 | 3650837.000 | 245.016 |
| 132 | 3029 DH | Desert Holly | 1.5 | 1.8 | 755685.800 | 3650833.000 | 244.112 |
| 133 | 3030 DH | Desert Holly | 0.9 | 1.7 | 755687.100 | 3650834.000 | 243.998 |
| 134 | 3030 DH | Desert Holly | 1.8 | 2.2 | 755687.400 | 3650831.000 | 244.128 |
| 135 | 3032 TS | Desert Sage | 0.8 | 2.1 | 755688.100 | 3650832.000 | 244.033 |
| 136 | 3033 DS | Brittle Bush | 0.5 | 0.6 | 755688.300 | 3650834.000 | 244.317 |
| 137 | 3034 DH | Desert Holly | 0.5 | 0.7 | 755689.300 | 3650834.000 | 244.280 |
| 138 | 3035 DH | Desert Holly | 0.9 | 0.9 | 755690.400 | 3650836.000 | 244.184 |
| 139 | 3036 DH | Desert Holly | 0.9 | 0.9 | 755692.300 | 3650834.000 | 244.192 |
| 140 | 3037 DG | Yellow Flower??? | 0.6 | 0.9 | 755691.300 | 3650833.000 | 244.180 |
| 141 | 3038 DH | Desert Holly | 0.4 | 0.5 | 755692.200 | 3650831.000 | 244.264 |
| 142 | 3039 DH | Desert Holly | 0.4 | 0.7 | 755689.400 | 3650826.000 | 244.222 |
| 143 | 3040 DH | Desert Holly | 1.2 | 0.8 | 755689.800 | 3650825.000 | 244.436 |
| 144 | 3041 CR | Creosote | 0.9 | 1.3 | 755695.100 | 3650827.000 | 244.295 |
| 145 | 3042 CR | Creosote | 0.9 | 0.9 | 755694.600 | 3650831.000 | 244.413 |
| 146 | 3043 CR | Creosote | 1.1 | 0.7 | 755694.000 | 3650833.000 | 244.283 |
| 147 | 3044 DS | Brittle Bush | 1.1 | 0.8 | 755693.300 | 3650836.000 | 244.350 |
| 148 | 3045 DH | Desert Holly | 0.9 | 0.9 | 755693.800 | 3650837.000 | 244.364 |
| 149 | 3046 DW | Deadwood | 1.5 | 0.4 | 755696.300 | 3650837.000 | 244.220 |
| 150 | 3047 DW | Deadwood | 0.8 | 0.2 | 755696.800 | 3650830.000 | 244.404 |
| 151 | 3048 CR | Creosote | 3.1 | 2.0 | 755845.600 | 3650863.000 | 244.435 |
| 152 | 3049 CR | Creosote | 2.4 | 1.6 | 755830.100 | 3650854.000 | 244.335 |
| 153 | 3050 CR | Creosote | 1.9 | 2.2 | 755842.300 | 3650846.00 | 244.457 |
| 154 | 3051 CR | Creosote | 1.2 | 1.0 | 755848.400 | 3650865.000 | 244.275 |
| 155 | 3052 DW | Deadwood | 1.6 | 1.6 | 755863.600 | 3650862.000 | 245.396 |
| 156 | 3053 DH | Desert Holly | 1.3 | 1.3 | 755863.600 | 3650864.000 | 245.515 |
| 157 | 3054 DH | Desert Holly | 1.3 | 1.4 | 755864.200 | 3650865.000 | 245.462 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 158 | 3055 DH | Desert Holly | 1.1 | 0.9 | 755865.100 | 3650867.000 | 245.495 |
| 159 | 3056 CC | Catclaw | 7.3 | 6.6 | 755862.700 | 3650867.000 | 245.441 |
| 160 | 3057 DH | Desert Holly | 1.3 | 1.2 | 755864.900 | 3650868.000 | 245.107 |
| 161 | 3058 CR | Creosote | 2.2 | 2.1 | 755870.300 | 3650870.000 | 245.360 |
| 162 | 3059 CR | Creosote | 2.0 | 1.4 | 755866.400 | 3650865.000 | 245.495 |
| 163 | 3060 CR | Creosote | 1.2 | 0.9 | 755869.600 | 3650865.000 | 245.455 |
| 164 | 3061 CR | Creosote | 1.5 | 1.3 | 755872.300 | 3650866.000 | 245.619 |
| 165 | 3062 CR | Creosote | 2.4 | 1.6 | 755872.200 | 3650862.000 | 245.505 |
| 166 | 3063 CR | Creosote | 2.2 | 1.8 | 755867.600 | 3650859.000 | 245.450 |
| 167 | 3064 FF | Creosote | 0.9 | 0.8 | 755876.400 | 3650868.000 | 245.615 |
| 168 | 3065 FF | Creosote | 0.6 | 0.8 | 755875.800 | 3650871.000 | 245.617 |
| 169 | 3068 FF | Creosote | 0.8 | 0.8 | 755877.900 | 3650874.000 | 245.465 |
| 170 | 3069 FF | Creosote | 0.8 | 0.6 | 755878.800 | 3650874.000 | 245.434 |
| 171 | 3070 DS | Brittle Bush | 0.4 | 0.6 | 755879.200 | 3650875.000 | 245.421 |
| 172 | 3071 DS | Brittle Bush | 0.8 | 0.8 | 755879.800 | 3650875.000 | 245.441 |
| 173 | 3072 DS | Brittle Bush | 1.0 | 0.8 | 755880.400 | 3650875.000 | 245.441 |
| 174 | 3073 DS | Brittle Bush | 1.9 | 1.2 | 755881.800 | 3650876.000 | 245.258 |
| 175 | 3074 DW | Deadwood | 1.3 | 0.2 | 755879.700 | 3650872.000 | 245.693 |
| 176 | 3075 DW | Deadwood | 2.0 | 1.4 | 755881.500 | 3650874.000 | 245.821 |
| 177 | 3076 CR | Creosote | 2.0 | 1.6 | 755883.300 | 3650872.000 | 245.770 |
| 178 | 3077 CR | Creosote | 2.6 | 1.7 | 755884.800 | 3650874.000 | 245.877 |
| 179 | 3078 DS | Brittle Bush | 0.6 | 0.6 | 755885.100 | 3650877.000 | 245.445 |
| 180 | 3079 WB | White Burr Sage | 1.3 | 0.6 | 755884.600 | 3650878.000 | 245.412 |
| 181 | 3080 DS | Brittle Bush | 1.2 | 0.7 | 755885.800 | 3650880.000 | 245.011 |
| 182 | 3081 DS | Brittle Bush | 1.2 | 1.4 | 755886.800 | 3650880.000 | 245.295 |
| 183 | 3082 DS | Brittle Bush | 1.6 | 0.8 | 755888.100 | 3650881.000 | 245.289 |
| 184 | 3083 CR | Creosote | 2.6 | 1.9 | 755888.000 | 3650879.000 | 245.713 |
| 185 | 3084 CR | Creosote | 1.0 | 1.0 | 755890.400 | 3650874.000 | 245.718 |
| 186 | 3085 CR | Creosote | 1.0 | 1.0 | 755891.400 | 3650874.000 | 245.770 |
| 187 | 3086 CR | Creosote | 0.9 | 0.9 | 755893.900 | 3650879.000 | 245.794 |
| 188 | 3087 CR | Creosote | 0.8 | 0.7 | 755895.200 | 3650879.000 | 245.792 |

(Sheet 6 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 189 | 3088 CR | Creosote | 1.7 | 1.4 | 755892.900 | 3650882.000 | 245.878 |
| 190 | 3089 CR | Creosote | 1.6 | 1.4 | 755894.600 | 3650883.000 | 246.030 |
| 191 | 3090 CR | Creosote | 1.0 | 0.7 | 755900.000 | 3650881.000 | 245.785 |
| 192 | 3091 CR | Creosote | 0.7 | 1.0 | 755898.600 | 3650883.000 | 245.911 |
| 193 | 3092 CR | Creosote | 1.3 | 1.5 | 755898.600 | 3650885.000 | 246.025 |
| 194 | 3093 CR | Creosote | 2.0 | 1.3 | 755900.300 | 3650888.000 | 246.065 |
| 195 | 3094 CR | Creosote | 1.4 | 1.2 | 755902.500 | 3650889.000 | 246.021 |
| 196 | 3095 DH | Desert Holly | 3.2 | 2.0 | 755900.200 | 3650890.000 | 245.808 |
| 197 | 3096 CC | Catclaw | 6.8 | 6.0 | 755894.600 | 3650886.000 | 245.524 |
| 198 | 3097 DH | Desert Holly | 2.0 | 2.8 | 755894.400 | 3650889.000 | 245.073 |
| 199 | 3098 CR | Creosote | 1.0 | 0.8 | 755904.300 | 3650884.000 | 245.912 |
| 200 | 3099 DS | Brittle Bush | 0.6 | 0.4 | 755899.900 | 3650881.000 | 245.812 |
| 201 | 3100 CR | Creosote | 1.2 | 1.2 | 755881.200 | 3650868.000 | 245.552 |
| 202 | 3101 CR | Creosote | 0.8 | 0.7 | 755881.300 | 3650866.000 | 245.582 |
| 203 | 3102 WB | White Burr Sage | 1.2 | 0.5 | 755795.400 | 3650815.000 | 244.518 |
| 204 | 3103 WB | White Burr Sage | 1.2 | 0.5 | 755793.600 | 3650815.000 | 244.400 |
| 205 | 3104 CR | Creosote | 2.4 | 2.4 | 755791.300 | 3650822.000 | 244.605 |
| 206 | 3105 CR | Creosote | 2.6 | 2.4 | 755790.200 | 3650821.000 | 244.722 |
| 207 | 3106 DG | Yellow Flower??? | 0.7 | 0.6 | 755789.400 | 3650821.000 | 244.637 |
| 208 | 3107 CR | Creosote | 1.9 | 1.5 | 755787.500 | 3650818.000 | 244.805 |
| 209 | 3108 CR | Creosote | 1.9 | 1.9 | 755785.900 | 3650818.000 | 244.874 |
| 210 | 3109 DH | Desert Holly | 2.7 | 2.1 | 755784.400 | 3650818.000 | 244.616 |
| 211 | 3110 DG | Yellow Flower??? | 0.8 | 0.6 | 755783.000 | 3650817.000 | 244.526 |
| 212 | 3111 DG | Yellow Flower??? | 0.8 | 0.9 | 755782.600 | 3650816.000 | 244.484 |
| 213 | 3112 CR | Creosote | 1.6 | 1.8 | 755785.900 | 3650817.000 | 244.674 |
| 214 | 3113 DG | Yellow Flower??? | 0.4 | 0.4 | 755786.400 | 3650815.000 | 244.492 |
| 215 | 3114 PB | Morman Tea | 1.5 | 0.8 | 755789.400 | 3650815.000 | 244.299 |
| 216 | 3115 CR | Creosote | 1.1 | 1.0 | 755790.800 | 3650813.000 | 244.554 |
| 217 | 3116 CR | Creosote | 1.1 | 0.9 | 755791.700 | 3650814.000 | 244.493 |
| 218 | 3117 DG | Yellow Flower??? | 1.3 | 1.1 | 755791.800 | 3650813.000 | 244.246 |
| 219 | 3118 WB | White Burr Sage | 1.2 | 0.8 | 755792.400 | 3650812.000 | 244.397 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 220 | 3119 CR | Creosote | 1.9 | 1.3 | 755790.400 | 3650809.000 | 244.642 |
| 221 | 3120 WB | White Burr Sage | 1.1 | 0.6 | 755789.000 | 3650811.000 | 244.438 |
| 222 | 3121 WB | White Burr Sage | 1.0 | 0.5 | 755787.800 | 3650811.000 | 244.439 |
| 223 | 3122 CR | Creosote | 0.8 | 0.6 | 755785.000 | 3650811.000 | 244.260 |
| 224 | 3123 CR | Creosote | 2.1 | 1.0 | 755784.800 | 3650809.000 | 244.478 |
| 225 | 3124 CR | Creosote | 1.2 | 1.2 | 755797.300 | 3650897.000 | 245.872 |
| 226 | 3125 WB | White Burr Sage | 0.8 | 0.4 | 755799.300 | 3650796.000 | 246.224 |
| 227 | 3126 CR | Creosote | 1.0 | 0.3 | 755794.600 | 3650797.000 | 245.481 |
| 228 | 3127 WB | White Burr Sage | 0.4 | 0.3 | 755794.300 | 3650797.000 | 245.437 |
| 229 | 3128 CR | Creosote | 1.2 | 0.8 | 755789.300 | 3650798.000 | 245.010 |
| 230 | 3129 CR | Creosote | 2.0 | 1.1 | 755785.200 | 3650806.000 | 244.331 |
| 231 | 3130 DG | Yellow Flower??? | 1.6 | 0.9 | 755782.200 | 3650808.000 | 244.264 |
| 232 | 3131 CR | Creosote | 3.3 | 1.8 | 755779.800 | 3650812.000 | 244.551 |
| 233 | 3132 CR | Creosote | 2.9 | 1.8 | 755779.600 | 3650810.000 | 244.579 |
| 234 | 3133 DH | Desert Holly | 2.0 | 2.0 | 755776.300 | 3650812.000 | 244.351 |
| 235 | 3134 DG | Yellow Flower??? | 1.1 | 0.9 | 755776.600 | 3650810.000 | 244.199 |
| 236 | 3135 CR | Creosote | 2.2 | 1.7 | 755777.000 | 3650809.000 | 244.540 |
| 237 | 3136 CR | Creosote | 1.2 | 1.4 | 755776.900 | 3650808.000 | 244.481 |
| 238 | 3137 DG | Yellow Flower??? | 0.3 | 0.5 | 755775.400 | 3650808.000 | 244.242 |
| 239 | 3138 DG | Yellow Flower??? | 0.8 | 0.7 | 755779.200 | 3650804.000 | 244.295 |
| 240 | 3139 CR | Creosote | 1.0 | 0.8 | 755778.600 | 3650804.000 | 244.297 |
| 241 | 3140 CR | Creosote | 1.8 | 1.5 | 755777.800 | 3650803.000 | 244.306 |
| 242 | 3141 PB | Mormon Tea | 0.9 | 0.8 | 755777.300 | 3650803.000 | 244.324 |
| 243 | 3142 PB | Mormon Tea | 1.7 | 0.8 | 755777.900 | 3650800.000 | 244.203 |
| 244 | 3143 DG | Yellow Flower??? | 0.8 | 0.6 | 755780.400 | 3650803.000 | 244.255 |
| 245 | 3144 CR | Creosote | 0.9 | 0.9 | 755780.500 | 3650801.000 | 244.386 |
| 246 | 3145 CR | Creosote | 0.9 | 0.6 | 755776.000 | 3650798.000 | 244.397 |
| 247 | 3146 CR | Creosote | 1.3 | 0.7 | 755784.400 | 3650786.000 | 245.417 |
| 248 | 3147 CR | Creosote | 1.2 | 0.9 | 755788.400 | 3650781.000 | 246.324 |
| 249 | 3148 CR | Creosote | 1.1 | 0.9 | 755792.600 | 3650773.000 | 247.421 |
| 250 | 3149 CR | Creosote | 1.3 | 0.4 | 755786.400 | 3650773.000 | 246.300 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 251 | 3150 WB | White Burr Sage | 1.0 | 0.5 | 755785.300 | 3650772.000 | 246.315 |
| 252 | 3151 CR | Creosote | 1.3 | 1.1 | 755776.000 | 3650781.000 | 244.880 |
| 253 | 3152 CR | Creosote | 1.4 | 1.4 | 755776.200 | 3650784.000 | 244.544 |
| 254 | 3153 WB | White Burr Sage | 0.5 | 0.4 | 755777.200 | 3650784.000 | 244.651 |
| 255 | 3154 WB | White Burr Sage | 1.6 | 1.0 | 755771.600 | 3650794.000 | 244.136 |
| 256 | 3155 PB | Mormon Tea | 1.2 | 0.7 | 755772.300 | 3650795.000 | 244.182 |
| 257 | 3156 CR | Creosote | 1.0 | 0.5 | 755772.200 | 3650796.000 | 244.201 |
| 258 | 3157 CR | Creosote | 2.2 | 1.3 | 755770.400 | 3650797.000 | 244.184 |
| 259 | 3158 CR | Creosote | 2.2 | 1.6 | 755770.400 | 3650795.000 | 244.312 |
| 260 | 3159 DG | Yellow Flower??? | 1.1 | 0.7 | 755768.200 | 3650794.000 | 244.140 |
| 261 | 3160 CR | Creosote | 1.4 | 0.9 | 755769.000 | 3650800.000 | 244.165 |
| 262 | 3161 CR | Creosote | 0.8 | 0.7 | 755768.900 | 3650802.000 | 244.258 |
| 263 | 3162 DG | Yellow Flower??? | 0.8 | 0.6 | 755769.400 | 3650802.000 | 244.256 |
| 264 | 3163 WB | White Burr Sage | 0.9 | 0.5 | 755765.300 | 3650805.000 | 244.266 |
| 265 | 3164 DH | Desert Holly | 1.8 | 0.6 | 755765.400 | 3650804.000 | 244.383 |
| 266 | 3165 CC | Catclaw | 7.5 | 5.8 | 755764.800 | 3650802.000 | 244.359 |
| 267 | 3166 CR | Creosote | 1.6 | 0.9 | 755763.300 | 3650799.000 | 244.288 |
| 268 | 3167 CR | Creosote | 2.6 | 1.1 | 755764.400 | 3650798.000 | 244.281 |
| 269 | 3168 DW | Deadwood | 1.8 | 3.6 | 755765.400 | 3650796.000 | 244.178 |
| 270 | 3169 DG | Yellow Flower??? | 0.4 | 0.4 | 755765.400 | 3650796.000 | 244.102 |
| 271 | 3170 DG | Yellow Flower??? | 0.5 | 0.8 | 755764.300 | 3650793.000 | 243.950 |
| 272 | 3171 DH | Desert Holly | 1.7 | 1.2 | 755762.600 | 3650794.000 | 244.289 |
| 273 | 3172 CR | Creosote | 2.1 | 0.8 | 755761.100 | 3650793.000 | 244.402 |
| 274 | 3173 CR | Creosote | 3.6 | 2.0 | 755759.300 | 3650791.000 | 244.282 |
| 275 | 3174 CR | Creosote | 2.6 | 1.7 | 755764.300 | 3650791.000 | 244.155 |
| 276 | 3175 DH | Desert Holly | 0.8 | 0.5 | 755763.300 | 3650790.000 | 244.201 |
| 277 | 3176 DH | Desert Holly | 0.7 | 1.1 | 755764.500 | 3650788.000 | 244.069 |
| 278 | 3177 DG | Yellow Flower??? | 1.0 | 0.6 | 755768.000 | 3650787.000 | 244.124 |
| 279 | 3178 CR | Creosote | 0.7 | 0.5 | 755766.200 | 3650786.000 | 244.108 |
| 280 | 3179 DH | Desert Holly | 1.9 | 1.4 | 755764.300 | 3650785.000 | 244.050 |
| 281 | 3180 CR | Creosote | 1.2 | 0.8 | 755764.900 | 3650782.000 | 244.195 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 282 | 3181 CR | Creosote | 1.1 | 1.0 | 755764.800 | 3650781.000 | 244.289 |
| 283 | 3182 CR | Creosote | 1.6 | 0.9 | 755762.800 | 3650782.000 | 244.028 |
| 284 | 3183 WB | White Burr Sage | 0.8 | 0.4 | 755761.600 | 3650782.000 | 243.939 |
| 285 | 3184 DG | Yellow Flower??? | 0.6 | 0.5 | 755761.300 | 3650781.000 | 244.030 |
| 286 | 3185 DS | Brittle Bush | 0.9 | 1.2 | 755759.400 | 3650789.000 | 244.099 |
| 287 | 3186 FF | Creosote | 1.1 | 0.8 | 755760.800 | 3650787.000 | 243.951 |
| 288 | 3187 FF | Creosote | 0.8 | 0.8 | 755759.200 | 3650785.000 | 243.926 |
| 289 | 3188 DG | Yellow Flower??? | 0.9 | 0.9 | 755758.400 | 3650785.000 | 244.075 |
| 290 | 3189 PB | Mormon Tea | 0.9 | 0.7 | 755757.700 | 3650789.000 | 244.123 |
| 291 | 3190 CR | Creosote | 2.9 | 2.3 | 755758.900 | 3650787.000 | 244.065 |
| 292 | 3191 DG | Yellow Flower??? | 0.6 | 0.8 | 755755.800 | 3650784.000 | 244.071 |
| 293 | 3192 DG | Yellow Flower??? | 0.6 | 0.5 | 755754.800 | 3650784.000 | 243.953 |
| 294 | 3193 DG | Yellow Flower??? | 1.3 | 0.8 | 755756.300 | 3650783.000 | 244.052 |
| 295 | 3194 CR | Creosote | 2.5 | 1.3 | 755758.700 | 3650779.000 | 244.101 |
| 296 | 3195 CR | Creosote | 1.8 | 1.0 | 755753.800 | 3650779.000 | 243.898 |
| 297 | 3196 CR | Creosote | 2.4 | 1.1 | 755754.600 | 3650774.000 | 244.116 |
| 298 | 3197 PB | Mormon Tea | 1.3 | 1.0 | 755750.000 | 3650778.000 | 243.903 |
| 299 | 3198 DH | Desert Holly | 2.0 | 2.3 | 755749.500 | 3650776.000 | 243.854 |
| 300 | 3199 DH | Desert Holly | 1.2 | 1.4 | 755748.100 | 3650775.000 | 243.941 |
| 301 | 3200 CR | Creosote | 2.4 | 1.8 | 755748.800 | 3650774.000 | 244.102 |
| 302 | 3201 DW | Deadwood | 0.9 | 0.9 | 755747.300 | 3650772.000 | 244.085 |
| 303 | 3202 CC | Catclaw | 6.0 | 4.8 | 755751.700 | 3650770.000 | 244.049 |
| 304 | 3203 CR | Creosote | 1.8 | 1.6 | 755748.800 | 3650767.000 | 243.911 |
| 305 | 3204 CC | Catclaw | 7.3 | 4.8 | 755744.900 | 3650764.000 | 243.851 |
| 306 | 3205 CR | Creosote | 3.6 | 2.0 | 755741.400 | 3650763.000 | 243.946 |
| 307 | 3206 DG | Yellow Flower??? | 2.1 | 0.9 | 755743.400 | 3650769.000 | 243.951 |
| 308 | 3207 GB | Grey Bush??? | 1.3 | 0.8 | 755743.800 | 3650770.000 | 243.999 |
| 309 | 3208 CR | Creosote | 1.6 | 1.6 | 755752.500 | 3650767.000 | 244.201 |
| 310 | 3209 CR | Creosote | 1.5 | 0.8 | 755744.900 | 3650756.000 | 243.895 |
| 311 | 3210DG | Yellow Flower??? | 0.4 | 0.4 | 755743.300 | 3650759.000 | 243.778 |
| 312 | 3211 DG | Yellow Flower??? | 0.6 | 0.7 | 755741.600 | 3650758.000 | 243.700 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 313 | 3212 DG | Yellow Flower??? | 2.6 | 1.5 | 755738.800 | 3650758.000 | 243.711 |
| 314 | 3213 CR | Creosote | 1.7 | 1.5 | 755736.800 | 3650756.000 | 243.749 |
| 315 | 3214 CR | Creosote | 1.9 | 1.5 | 755736.400 | 3650755.000 | 243.794 |
| 316 | 3215 DH | Desert Holly | 1.5 | 1.3 | 755735.800 | 3650752.000 | 243.787 |
| 317 | 317 CR | Creosote | 1.5 | 3.0 | 756457.800 | 3650881.000 | 249.400 |
| 318 | 100 CR | Creosote | 1.3 | 1.8 | 756414.100 | 3650809.000 | 249.000 |
| 319 | 101 DS | Brittle Bush | 0.7 | 1.3 | 756025.100 | 3650876.000 | 248.800 |
| 320 | 103 CR | Creosote | 1.0 | 1.4 | 755986.200 | 3650839.000 | 249.200 |
| 321 | 104 CR | Creosote | 1.0 | 1.0 | 756450.200 | 3650860.000 | 249.200 |
| 322 | 105 CR | Creosote | 1.4 | 1.7 | 756453.100 | 3650861.000 | 249.200 |
| 323 | 106 DS | Brittle Bush | 0.8 | 1.3 | 756452.800 | 3650864.000 | 249.300 |
| 324 | 112 DS | Brittle Bush | 0.6 | 1.0 | 756476.200 | 3650896.000 | 248.700 |
| 325 | 113 DS | Brittle Bush | 0.6 | 1.0 | 756476.800 | 3650896.000 | 249.000 |
| 326 | 114 CR | Creosote | 1.2 | 2.5 | 756477.100 | 3650895.000 | 249.100 |
| 327 | 1000 YP | Yellow Paloverde | 3.8 | 5.9 | 756467.300 | 3650888.000 | 250.696 |
| 328 | 1001 DS | Brittle Bush | 0.6 | 1.4 | 756469.400 | 3650887.000 | 250.745 |
| 329 | 1002 CR | Creosote | 1.0 | 1.6 | 756467.900 | 3650883.000 | 250.999 |
| 330 | 1003 WB | White Burr Sage | 0.5 | 0.7 | 756464.800 | 3650883.000 | 250.784 |
| 331 | 1004 CR | Creosote | 1.3 | 2.4 | 756464.400 | 3650879.000 | 251.124 |
| 332 | 1005 WB | White Burr Sage | 0.6 | 0.9 | 756462.400 | 3650880.000 | 250.752 |
| 333 | 1006 CR | Creosote | 0.7 | 0.8 | 756461.800 | 3650877.000 | 250.993 |
| 334 | 1007 CR | Creosote | 1.1 | 1.8 | 756462.300 | 3650875.000 | 251.124 |
| 335 | 1008 CR | Creosote | 1.1 | 1.3 | 756460.600 | 3650876.000 | 250.913 |
| 336 | 1009 CR | Creosote | 1.0 | 1.8 | 756458.100 | 3650876.000 | 250.743 |
| 337 | 1010 CR | Creosote | 1.0 | 1.6 | 756457.600 | 3650875.000 | 251.013 |
| 338 | 1011 CR | Creosote | 1.0 | 1.6 | 756456.500 | 3650874.000 | 250.895 |
| 339 | 1012 WB | White Burr Sage | 0.8 | 1.0 | 756455.800 | 3650875.000 | 250.600 |
| 340 | 1013 DS | Brittle Bush | 1.0 | 1.2 | 756453.900 | 3650876.000 | 250.645 |
| 341 | 1014 CR | Creosote | 1.8 | 2.2 | 756453.300 | 3650877.000 | 250.752 |
| 342 | 1015 CR | Creosote | 1.7 | 2.4 | 756452.200 | 3650878.000 | 250.766 |
| 343 | 1016 WB | White Burr Sage | 0.3 | 0.8 | 756451.700 | 3650878.000 | 250.678 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 344 | 1017 WB | White Burr Sage | 0.7 | 1.1 | 756450.100 | 3650880.000 | 250.807 |
| 345 | 1018 WB | White Burr Sage | 0.6 | 1.4 | 756449.900 | 3650881.000 | 250.827 |
| 346 | 1019 CR | Creosote | 1.1 | 1.2 | 756450.100 | 3650882.000 | 250.685 |
| 347 | 1020 DW | Deadwood | 1.5 | 2.2 | 756452.200 | 3650882.000 | 250.726 |
| 348 | 1021 DS | Brittle Bush | 0.9 | 1.4 | 756454.300 | 3650881.000 | 250.645 |
| 349 | 1022 WB | White Burr Sage | 0.6 | 1.0 | 756458.000 | 3650880.000 | 250.669 |
| 350 | 1023 WB | White Burr Sage | 0.5 | 0.7 | 756461.100 | 3650883.000 | 250.721 |
| 351 | 1024 CR | Creosote | 1.4 | 1.8 | 756460.900 | 3650884.000 | 250.814 |
| 352 | 1025 CR | Creosote | 1.0 | 1.4 | 756455.100 | 3650886.000 | 250.966 |
| 353 | 1026 CR | Creosote | 1.1 | 1.3 | 756454.800 | 3650887.000 | 250.889 |
| 354 | 1027 CR | Creosote | 0.8 | 1.1 | 756454.400 | 3650887.000 | 250.792 |
| 355 | 1028 WB | White Burr Sage | 0.6 | 0.8 | 756462.900 | 3650885.000 | 250.731 |
| 356 | 1029 WB | White Burr Sage | 0.5 | 0.9 | 756463.600 | 3650886.000 | 250.737 |
| 357 | 1030 CR | Creosote | 1.3 | 2.1 | 756464.000 | 3650886.000 | 250.775 |
| 358 | 1031 CR | Creosote | 1.8 | 1.5 | 756464.300 | 3650887.000 | 250.837 |
| 359 | 1032 DS | Brittle Bush | 0.9 | 1.2 | 756467.200 | 3650888.000 | 250.658 |
| 360 | 1033 DS | Brittle Bush | 1.1 | 1.2 | 756468.400 | 3650888.000 | 250.661 |
| 361 | 1034 DS | Brittle Bush | 0.7 | 0.8 | 756464.900 | 3650889.000 | 250.961 |
| 362 | 1035 DS | Brittle Bush | 0.7 | 1.2 | 756465.900 | 3650889.000 | 250.773 |
| 363 | 1036 DS | Brittle Bush | 0.6 | 1.3 | 756468.900 | 3650891.000 | 250.914 |
| 364 | 1037 DS | Brittle Bush | 0.6 | 0.5 | 756469.400 | 3650889.000 | 250.855 |
| 365 | 1038 WB | White Burr Sage | 0.6 | 0.6 | 756470.400 | 3650887.000 | 250.746 |
| 366 | 1039 WB | White Burr Sage | 0.5 | 0.8 | 756471.800 | 3650890.000 | 250.857 |
| 367 | 1040 WB | White Burr Sage | 0.3 | 0.6 | 756472.400 | 3650891.000 | 250.878 |
| 368 | 1041 CR | Creosote | 1.2 | 1.9 | 756473.600 | 3650892.000 | 250.915 |
| 369 | 1042 WB | White Burr Sage | 0.5 | 0.8 | 756473.600 | 3650891.000 | 250.875 |
| 370 | 1043 WB | White Burr Sage | 0.6 | 0.6 | 756473.100 | 3650891.000 | 250.827 |
| 371 | 1044 CR | Creosote | 1.7 | 1.9 | 756467.100 | 3650892.000 | 250.959 |
| 372 | 1045 WB | White Burr Sage | 0.4 | 0.4 | 756490.500 | 3650876.000 | 251.384 |
| 373 | 1046 CR | Creosote | 0.8 | 2.3 | 756500.300 | 3650881.000 | 251.540 |
| 374 | 1047 CR | Creosote | 0.9 | 0.9 | 756497.500 | 3650889.000 | 251.739 |

(Sheet 12 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 375 | 1048 CR | Creosote | 1.0 | 1.6 | 756512.100 | 3650893.000 | 251.822 |
| 376 | 1049 DS | Brittle Bush | 0.5 | 0.8 | 756551.500 | 3650908.000 | 252.540 |
| 377 | 1050 CR | Creosote | 0.5 | 1.0 | 756551.300 | 3650904.000 | 252.454 |
| 378 | 1051 CR | Creosote | 0.9 | 1.9 | 756579.500 | 3650920.000 | 252.612 |
| 379 | 1052 WB | White Burr Sage | 0.4 | 0.6 | 756580.700 | 3650917.000 | 252.502 |
| 380 | 1053 WB | White Burr Sage | 0.4 | 0.6 | 756578.500 | 3650914.000 | 252.516 |
| 381 | 1054 GB | Grey Bush??? | 0.5 | 1.2 | 756578.400 | 3650913.000 | 252.493 |
| 382 | 1055 CR | Creosote | 0.5 | 0.9 | 756577.600 | 3650912.000 | 252.480 |
| 383 | 1056 WB | White Burr Sage | 0.3 | 0.7 | 756575.900 | 3650914.000 | 252.526 |
| 384 | 1057 WB | White Burr Sage | 0.5 | 0.8 | 756574.600 | 3650912.000 | 252.503 |
| 385 | 1058 WB | White Burr Sage | 0.4 | 0.5 | 756575.300 | 3650909.000 | 252.459 |
| 386 | 1059 CR | Creosote | 0.8 | 1.6 | 756572.600 | 3650908.000 | 252.482 |
| 387 | 1060 CR | Creosote | 0.9 | 1.5 | 756572.100 | 3650906.000 | 252.425 |
| 388 | 1061 WB | White Burr Sage | 0.4 | 0.7 | 756574.100 | 3650905.000 | 252.459 |
| 389 | 1062 WB | White Burr Sage | 0.5 | 0.8 | 756571.800 | 3650905.000 | 252.394 |
| 390 | 1063 WB | White Burr Sage | 0.3 | 0.6 | 756572.800 | 3650902.000 | 252.363 |
| 391 | 1064 WB | White Burr Sage | 0.3 | 0.7 | 756572.400 | 3650901.000 | 252.378 |
| 392 | 1065 OC | Octilla | 4.0 | 2.2 | 756571.600 | 3650901.000 | 252.336 |
| 393 | 1066 WB | White Burr Sage | 0.4 | 0.6 | 756571.200 | 3650901.000 | 252.329 |
| 394 | 1067 CR | Creosote | 1.0 | 1.7 | 756571.000 | 3650901.000 | 252.311 |
| 395 | 1068 WB | White Burr Sage | 0.6 | 1.0 | 756568.100 | 3650900.000 | 252.297 |
| 396 | 1069 CR | Creosote | 1.1 | 2.3 | 756567.800 | 3650901.000 | 252.449 |
| 397 | 1070 WB | White Burr Sage | 0.4 | 0.8 | 756566.900 | 3650897.000 | 252.237 |
| 398 | 1071 WB | White Burr Sage | 0.5 | 0.8 | 756567.400 | 3650896.000 | 252.268 |
| 399 | 1072 WB | White Burr Sage | 0.5 | 0.8 | 756564.900 | 3650897.000 | 252.266 |
| 400 | 1073 CR | Creosote | 0.9 | 1.8 | 756564.400 | 3650898.000 | 252.288 |
| 401 | 1074 WB | White Burr Sage | 0.4 | 0.8 | 756562.700 | 3650896.000 | 252.256 |
| 402 | 1075 CR | Creosote | 0.8 | 1.7 | 756561.100 | 3650896.000 | 252.265 |
| 403 | 1076 WB | White Burr Sage | 0.5 | 0.7 | 756562.400 | 3650893.000 | 252.200 |
| 404 | 1077 WB | White Burr Sage | 0.4 | 0.7 | 756561.600 | 3650892.000 | 252.193 |
| 405 | 1078 WB | White Burr Sage | 0.5 | 0.6 | 756560.200 | 3650892.000 | 252.158 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 406 | 1079 DW | Deadwood | 1.2 | 1.2 | 756559.200 | 3650895.000 | 252.256 |
| 407 | 1080 WB | White Burr Sage | 0.5 | 0.8 | 756558.300 | 3650893.000 | 252.233 |
| 408 | 1081 WB | White Burr Sage | 0.4 | 0.7 | 756558.400 | 3650891.000 | 252.227 |
| 409 | 1082 CR | Creosote | 0.7 | 1.5 | 756556.200 | 3650888.000 | 252.152 |
| 410 | 1083 WB | White Burr Sage | 0.6 | 0.8 | 756556.000 | 3650889.000 | 252.171 |
| 411 | 1084 CR | Creosote | 0.8 | 1.4 | 756554.400 | 3650891.000 | 252.162 |
| 412 | 1085 CR | Creosote | 0.8 | 1.9 | 756554.100 | 3650890.000 | 252.097 |
| 413 | 1086 WB | White Burr Sage | 0.4 | 0.5 | 756553.300 | 3650887.000 | 252.073 |
| 414 | 1087 WB | White Burr Sage | 0.5 | 0.9 | 756550.400 | 3650888.000 | 252.049 |
| 415 | 1088 CR | Creosote | 0.9 | 1.9 | 756551.400 | 3650885.000 | 252.203 |
| 416 | 1089 CR | Creosote | 0.9 | 1.8 | 756550.600 | 3650884.000 | 252.292 |
| 417 | 1090 CR | Creosote | 1.0 | 1.9 | 756550.100 | 3650883.000 | 252.285 |
| 418 | 1091 OC | Octilla | 3.8 | 3.1 | 756547.900 | 3650885.000 | 251.959 |
| 419 | 1092 WB | White Burr Sage | 0.4 | 0.4 | 756548.100 | 3650885.000 | 252.012 |
| 420 | 1093 WB | White Burr Sage | 0.4 | 0.4 | 756546.200 | 3650884.000 | 251.970 |
| 421 | 1094 WB | White Burr Sage | 0.4 | 0.5 | 756544.700 | 3650884.000 | 251.957 |
| 422 | 1095 WB | White Burr Sage | 0.4 | 0.6 | 756543.500 | 3650884.000 | 252.015 |
| 423 | 1096 WB | White Burr Sage | 0.4 | 0.8 | 756544.200 | 3650886.000 | 251.975 |
| 424 | 1097 OC | Octilla | 0.7 | 0.6 | 756543.700 | 3650884.000 | 251.930 |
| 425 | 1098 CR | Creosote | 0.5 | 1.0 | 756542.600 | 3650883.000 | 252.055 |
| 426 | 1099 OC | Octilla | 4.0 | 2.3 | 756541.400 | 3650882.000 | 252.069 |
| 427 | 1100 CR | Creosote | 1.0 | 1.9 | 756540.900 | 3650882.000 | 252.009 |
| 428 | 1101 WB | White Burr Sage | 0.4 | 0.9 | 756540.300 | 3650884.000 | 251.916 |
| 429 | 1102 WB | White Burr Sage | 0.4 | 0.6 | 756541.700 | 3650886.000 | 251.921 |
| 430 | 1103 CR | Creosote | 1.0 | 1.2 | 756540.800 | 3650887.000 | 252.040 |
| 431 | 1104 CR | Creosote | 0.8 | 1.7 | 756539.900 | 3650886.000 | 251.987 |
| 432 | 1105 WB | White Burr Sage | 0.5 | 0.7 | 756540.000 | 3650886.000 | 251.950 |
| 433 | 1106 WB | White Burr Sage | 0.6 | 0.7 | 756538.400 | 3650885.000 | 251.901 |
| 434 | 1107 WB | White Burr Sage | 0.4 | 0.6 | 756538.000 | 3650882.000 | 251.905 |
| 435 | 1108 WB | White Burr Sage | 0.3 | 0.4 | 756537.500 | 3650881.000 | 251.875 |
| 436 | 1109 WB | White Burr Sage | 0.4 | 0.5 | 756535.600 | 3650883.000 | 251.863 |

(Sheet 14 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|--------------------|--------|-------|------------|-------------|-----------|
| 437 | 1110 WB | White Burr Sage | 0.3 | 0.5 | 756534.600 | 3650884.000 | 251.851 |
| 438 | 1111 WB | White Burr Sage | 0.4 | 0.8 | 756535.900 | 3650880.000 | 251.880 |
| 439 | 1112 CR | Creosote | 0.8 | 1.5 | 756535.300 | 3650880.000 | 251.884 |
| 440 | 1113 WB | White Burr Sage | 0.5 | 0.8 | 756533.500 | 3650879.000 | 251.844 |
| 441 | 1114 CR | Creosote | 1.1 | 1.5 | 756533.600 | 3650877.000 | 252.070 |
| 442 | 1115 CR | Creosote | 0.8 | 1.4 | 756533.200 | 3650877.000 | 252.044 |
| 443 | 1116 CR | Creosote | 1.1 | 2.1 | 756532.800 | 3650875.000 | 252.062 |
| 444 | 1117 DS | Brittle Bush | 0.7 | 1.1 | 756530.900 | 3650877.000 | 251.744 |
| 445 | 1118 YP | Yellow Paloverde | 2.4 | 3.0 | 756530.100 | 3650877.000 | 251.718 |
| 446 | 1119 CR | Creosote | 1.0 | 1.7 | 756530.100 | 3650879.000 | 251.796 |
| 447 | 1120 DS | Brittle Bush | 0.9 | 1.1 | 756529.800 | 3650878.000 | 251.775 |
| 448 | 1121 WB | White Burr Sage | 0.3 | 0.6 | 756528.500 | 3650878.000 | 251.775 |
| 449 | 1122 WB | White Burr Sage | 0.4 | 0.7 | 756527.600 | 3650876.000 | 251.712 |
| 450 | 1123 WB | White Burr Sage | 0.5 | 1.0 | 756528.400 | 3650876.000 | 251.765 |
| 451 | 1124 B3 | Green Bush??? | 1.1 | 1.5 | 756530.300 | 3650877.000 | 251.670 |
| 452 | 1125 DS | Brittle Bush | 0.8 | 1.6 | 756528.600 | 3650873.000 | 251.676 |
| 453 | 1126 CR | Creosote | 0.9 | 1.4 | 756528.100 | 3650872.000 | 251.719 |
| 454 | 1127 WB | White Burr Sage | 0.6 | 0.8 | 756528.300 | 3650872.000 | 251.717 |
| 455 | 1128 WB | White Burr Sage | 0.5 | 0.9 | 756525.800 | 3650872.000 | 251.706 |
| 456 | 1129 WB | White Burr Sage | 0.5 | 1.0 | 756525.800 | 3650870.000 | 251.646 |
| 457 | 1130 WB | White Burr Sage | 0.5 | 1.2 | 756528.100 | 3650869.000 | 251.707 |
| 458 | 1131 WB | White Burr Sage | 0.4 | 1.1 | 756526.600 | 3650868.000 | 251.633 |
| 459 | 1132 WB | White Burr Sage | 0.3 | 0.6 | 756527.100 | 3650872.000 | 251.664 |
| 460 | 1133 CR | Creosote | 0.7 | 2.2 | 756530.300 | 3650867.000 | 251.803 |
| 461 | 1134 WB | White Burr Sage | 0.4 | 0.8 | 756530.100 | 3650865.000 | 251.712 |
| 462 | 1135 WB | White Burr Sage | 0.4 | 0.6 | 756531.900 | 3650865.000 | 251.767 |
| 463 | 1136 WB | White Burr Sage | 0.4 | 0.6 | 756534.100 | 3650864.000 | 251.788 |
| 464 | 1137 CR | Creosote | 0.7 | 1.8 | 756535.600 | 3650865.000 | 251.850 |
| 465 | 1138 CR | Creosote | 0.9 | 1.6 | 756536.300 | 3650865.000 | 251.816 |
| 466 | 1139 B4 | Hibiscus Denudatus | 0.8 | 0.9 | 756538.500 | 3650864.000 | 251.821 |
| 467 | 1140 B4 | Hibiscus Denudatus | 0.6 | 0.6 | 756539.800 | 3650865.000 | 251.826 |

(Sheet 15 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|--------------------|--------|-------|------------|-------------|-----------|
| 468 | 1141 WB | White Burr Sage | 0.5 | 1.0 | 756543.600 | 3650869.000 | 251.971 |
| 469 | 1142 WB | White Burr Sage | 0.4 | 0.9 | 756546.400 | 3650868.000 | 252.029 |
| 470 | 1143 WB | White Burr Sage | 0.4 | 1.1 | 756546.800 | 3650870.000 | 251.984 |
| 471 | 1144 WB | White Burr Sage | 0.4 | 0.9 | 756548.800 | 3650870.000 | 252.041 |
| 472 | 1145 B4 | Hibiscus Denudatus | 0.8 | 0.7 | 756550.000 | 3650872.000 | 252.016 |
| 473 | 1146 WB | White Burr Sage | 0.4 | 0.7 | 756549.800 | 3650872.000 | 252.004 |
| 474 | 1147 WB | White Burr Sage | 0.3 | 0.5 | 756548.800 | 3650872.000 | 252.027 |
| 475 | 1148 WB | White Burr Sage | 0.4 | 0.7 | 756551.000 | 3650873.000 | 252.076 |
| 476 | 1149 WB | White Burr Sage | 0.4 | 0.7 | 756551.600 | 3650875.000 | 252.123 |
| 477 | 1150 WB | White Burr Sage | 0.4 | 0.7 | 756557.100 | 3650876.000 | 252.172 |
| 478 | 1151 CR | Creosote | 1.1 | 2.1 | 756522.500 | 3650865.00 | 251.616 |
| 479 | 1152 DS | Brittle Bush | 0.9 | 1.7 | 756521.200 | 3650867.000 | 251.510 |
| 480 | 1153 WB | White Burr Sage | 0.4 | 0.7 | 756520.900 | 3650867.000 | 251.592 |
| 481 | 1154 DS | Brittle Bush | 0.6 | 1.2 | 756515.900 | 3650865.000 | 251.496 |
| 482 | 1155 WB | White Burr Sage | 0.5 | 1.1 | 756517.100 | 3650865.000 | 251.572 |
| 483 | 1156 WB | White Burr Sage | 0.6 | 1.3 | 756516.400 | 3650864.000 | 251.535 |
| 484 | 1157 CR | Creosote | 1.0 | 1.8 | 756521.400 | 3650862.000 | 251.688 |
| 485 | 1158 CR | Creosote | 0.7 | 1.5 | 756521.800 | 3650861.000 | 251.700 |
| 486 | 1159 CR | Creosote | 0.6 | 1.1 | 756520.500 | 3650861.000 | 251.704 |
| 487 | 1160 CR | Creosote | 0.8 | 1.5 | 756519.600 | 3650860.000 | 251.714 |
| 488 | 1161 CR | Creosote | 0.8 | 1.5 | 756519.100 | 3650861.000 | 251.672 |
| 489 | 1162 CR | Creosote | 1.1 | 2.2 | 756516.200 | 3650861.000 | 251.649 |
| 490 | 1163 B4 | Hibiscus Denudatus | 0.9 | 1.3 | 756513.900 | 3650862.000 | 251.315 |
| 491 | 1164 DS | Brittle Bush | 0.8 | 1.1 | 756513.300 | 3650862.000 | 251.473 |
| 492 | 1165 CR | Creosote | 0.9 | 2.0 | 756512.700 | 3650863.000 | 251.481 |
| 493 | 1166 CR | Creosote | 1.0 | 1.5 | 756511.900 | 3650862.000 | 251.525 |
| 494 | 1167 CR | Creosote | 0.7 | 1.7 | 756513.600 | 3650859.000 | 251.463 |
| 495 | 1168 GB | Grey Bush??? | 0.7 | 1.6 | 756516.300 | 3650858.000 | 251.521 |
| 496 | 1169 CR | Creosote | 1.0 | 1.5 | 756514.100 | 3650854.000 | 251.521 |
| 497 | 1170 WB | White Burr Sage | 0.4 | 0.8 | 756511.900 | 3650858.000 | 251.426 |
| 498 | 1171 DS | Brittle Bush | 0.7 | 1.2 | 756510.600 | 3650858.000 | 251.363 |

(Sheet 16 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 499 | 1172 WB | White Burr Sage | 0.4 | 0.6 | 756508.300 | 3650857.000 | 251.408 |
| 500 | 1173 OC | Octilla | 5.3 | 1.8 | 756508.000 | 3650856.000 | 251.385 |
| 501 | 1174 WB | White Burr Sage | 0.5 | 1.1 | 756509.300 | 3650855.000 | 251.443 |
| 502 | 1174 WB | White Burr Sage | 0.5 | 1.1 | 756509.500 | 3650855.000 | 251.443 |
| 503 | 1175 WB | White Burr Sage | 0.3 | 0.4 | 756508.500 | 3650855.000 | 251.347 |
| 504 | 1176 WB | White Burr Sage | 0.4 | 0.8 | 756506.400 | 3650855.000 | 251.350 |
| 505 | 1177 CR | Creosote | 0.8 | 1.5 | 756510.200 | 3650851.000 | 251.546 |
| 506 | 1178 CR | Creosote | 0.7 | 1.2 | 756509.300 | 3650851.000 | 251.429 |
| 507 | 1179 CR | Creosote | 0.6 | 1.4 | 756505.400 | 3650848.000 | 251.476 |
| 508 | 1180 WB | White Burr Sage | 0.4 | 0.7 | 756505.100 | 3650851.000 | 251.334 |
| 509 | 1181 WB | White Burr Sage | 0.4 | 0.7 | 756503.600 | 3650852.000 | 251.390 |
| 510 | 1182 CR | Creosote | 1.2 | 1.9 | 756503.300 | 3650853.000 | 251.404 |
| 511 | 1183 CR | Creosote | 1.2 | 1.9 | 756503.400 | 3650854.000 | 251.421 |
| 512 | 1184 WB | White Burr Sage | 0.5 | 1.1 | 756501.700 | 3650850.000 | 251.327 |
| 513 | 1185 CR | Creosote | 1.2 | 1.8 | 756501.100 | 3650850.000 | 251.321 |
| 514 | 1186 WB | White Burr Sage | 0.6 | 0.9 | 756500.900 | 3650848.000 | 251.187 |
| 515 | 1187 CR | Creosote | 1.0 | 1.6 | 756499.700 | 3650850.000 | 251.346 |
| 516 | 1188 YP | Yellow Paloverde | 2.8 | 2.3 | 756498.100 | 3650849.000 | 251.189 |
| 517 | 1189 WB | White Burr Sage | 0.6 | 1.3 | 756499.100 | 3650847.000 | 251.249 |
| 518 | 1190 WB | White Burr Sage | 0.4 | 1.0 | 756496.400 | 3650847.000 | 251.255 |
| 519 | 1191 WB | White Burr Sage | 0.3 | 0.5 | 756496.400 | 3650849.000 | 251.117 |
| 520 | 1192 WB | White Burr Sage | 0.3 | 0.5 | 756496.900 | 3650850.000 | 251.230 |
| 521 | 1193 CR | Creosote | 1.1 | 1.5 | 756493.400 | 3650846.000 | 251.314 |
| 522 | 1194 WB | White Burr Sage | 0.7 | 0.9 | 756492.900 | 3650846.000 | 251.345 |
| 523 | 1195 CR | Creosote | 1.1 | 1.4 | 756492.900 | 3650845.000 | 251.298 |
| 524 | 1196 WB | White Burr Sage | 0.5 | 0.6 | 756490.600 | 3650845.000 | 251.142 |
| 525 | 1197 WB | White Burr Sage | 0.6 | 0.7 | 756491.200 | 3650846.000 | 251.150 |
| 526 | 1198 WB | White Burr Sage | 0.5 | 0.6 | 756492.300 | 3650846.000 | 251.254 |
| 527 | 1199 GB | Grey Bush??? | 0.5 | 1.5 | 756492.100 | 3650848.000 | 251.221 |
| 528 | 1200 CR | Creosote | 0.7 | 1.2 | 756491.900 | 3650850.000 | 251.176 |
| 529 | 1201 CR | Creosote | 0.9 | 0.9 | 756491.300 | 3650849.000 | 251.198 |

(Sheet 17 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 530 | 1202 CR | Creosote | 0.9 | 0.8 | 756491.300 | 3650850.000 | 251.177 |
| 531 | 1203 CR | Creosote | 1.0 | 1.9 | 756488.600 | 3650851.000 | 251.123 |
| 532 | 1204 WB | White Burr Sage | 0.4 | 0.7 | 756490.300 | 3650854.000 | 251.201 |
| 533 | 1204 WB | White Burr Sage | 0.4 | 0.7 | 756490.700 | 3650855.000 | 251.201 |
| 534 | 1206 WB | White Burr Sage | 0.6 | 1.1 | 756490.600 | 3650857.000 | 251.344 |
| 535 | 1207 WB | White Burr Sage | 0.3 | 0.5 | 756492.800 | 3650858.000 | 251.305 |
| 536 | 1208 WB | White Burr Sage | 0.4 | 0.6 | 756486.500 | 3650851.000 | 251.153 |
| 537 | 1209 GB | Grey Bush??? | 0.4 | 0.9 | 756489.100 | 3650849.000 | 251.139 |
| 538 | 1210 WB | White Burr Sage | 0.6 | 1.0 | 756490.400 | 3650847.000 | 251.159 |
| 539 | 1211 WB | White Burr Sage | 0.5 | 0.8 | 756489.000 | 3650845.000 | 251.059 |
| 540 | 1212 WB | White Burr Sage | 0.6 | 0.8 | 756488.100 | 3650844.000 | 251.065 |
| 541 | 1213 CR | Creosote | 0.9 | 1.8 | 756487.000 | 3650846.000 | 251.240 |
| 542 | 1214 CR | Creosote | 0.6 | 1.2 | 756487.000 | 3650847.000 | 251.224 |
| 543 | 1215 CR | Creosote | 0.7 | 0.9 | 756486.300 | 3650847.000 | 251.195 |
| 544 | 1216 CR | Creosote | 0.8 | 1.4 | 756483.300 | 3650848.000 | 251.111 |
| 545 | 1217 CR | Creosote | 0.8 | 1.5 | 756479.600 | 3650845.000 | 251.084 |
| 546 | 1218 WB | White Burr Sage | 0.4 | 0.8 | 756481.200 | 3650844.000 | 251.022 |
| 547 | 1219 WB | White Burr Sage | 0.4 | 0.6 | 756482.600 | 3650845.000 | 251.023 |
| 548 | 1220 WB | White Burr Sage | 0.4 | 0.4 | 756484.300 | 3650844.000 | 251.023 |
| 549 | 1221 WB | White Burr Sage | 0.4 | 0.6 | 756482.300 | 3650842.000 | 251.020 |
| 550 | 1221 WB | White Burr Sage | 0.4 | 0.6 | 756482.800 | 3650841.000 | 251.020 |
| 551 | 1223 WB | White Burr Sage | 0.6 | 0.8 | 756487.600 | 3650842.000 | 250.952 |
| 552 | 1224 WB | White Burr Sage | 0.4 | 0.8 | 756486.900 | 3650841.000 | 250.959 |
| 553 | 1225 WB | White Burr Sage | 0.7 | 1.0 | 756487.600 | 3650840.000 | 251.047 |
| 554 | 1226 CR | Creosote | 0.8 | 1.7 | 746486.400 | 3650837.000 | 251.015 |
| 555 | 1227 WB | White Burr Sage | 0.7 | 1.0 | 756484.600 | 3650839.000 | 250.930 |
| 556 | 1228 CR | Creosote | 0.8 | 0.9 | 756484.900 | 3650839.000 | 250.937 |
| 557 | 1229 WB | White Burr Sage | 0.6 | 0.6 | 756482.600 | 3650837.000 | 250.949 |
| 558 | 1230 WB | White Burr Sage | 0.7 | 0.6 | 756482.500 | 3650838.000 | 250.930 |
| 559 | 1231 GB | Grey Bush??? | 0.8 | 1.4 | 756482.200 | 3650838.000 | 250.900 |
| 560 | 1232 WB | White Burr Sage | 0.6 | 0.7 | 756481.400 | 3650840.000 | 250.979 |

(Sheet 18 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 561 | 1233 WB | White Burr Sage | 0.6 | 0.8 | 756481.000 | 3650840.000 | 250.961 |
| 562 | 1234 CR | Creosote | 0.9 | 1.2 | 756480.200 | 3650842.000 | 251.032 |
| 563 | 1235 WB | White Burr Sage | 0.4 | 0.5 | 756484.100 | 3650835.000 | 250.912 |
| 564 | 1236 WB | White Burr Sage | 0.6 | 0.8 | 756484.100 | 3650835.000 | 250.984 |
| 565 | 1237 CR | Creosote | 0.8 | 1.3 | 756484.400 | 3650834.000 | 251.019 |
| 566 | 1238 WB | White Burr Sage | 0.4 | 1.0 | 756483.700 | 3650834.000 | 250.943 |
| 567 | 1239 CR | Creosote | 0.9 | 1.3 | 756484.000 | 3650833.000 | 251.020 |
| 568 | 1240 CR | Creosote | 0.9 | 1.7 | 756484.100 | 3650832.000 | 251.072 |
| 569 | 1241 WB | White Burr Sage | 0.4 | 0.7 | 756482.600 | 3650831.000 | 250.930 |
| 570 | 1242 WB | White Burr Sage | 0.4 | 0.5 | 756481.100 | 3650833.000 | 250.800 |
| 571 | 1243 WB | White Burr Sage | 0.4 | 0.7 | 756480.100 | 3650833.000 | 250.869 |
| 572 | 1244 WB | White Burr Sage | 0.3 | 0.8 | 756479.800 | 3650831.000 | 250.831 |
| 573 | 1245 CR | Creosote | 0.7 | 1.5 | 756481.000 | 3650829.000 | 250.890 |
| 574 | 1246 CR | Creosote | 1.0 | 1.7 | 756479.400 | 3650826.000 | 250.959 |
| 575 | 1247 WB | White Burr Sage | 0.7 | 1.4 | 756479.400 | 3650828.000 | 250.794 |
| 576 | 1248 M | Sage | 0.5 | 0.7 | 756479.100 | 3650828.000 | 250.694 |
| 577 | 1249 CR | Creosote | 0.9 | 1.1 | 756477.900 | 3650826.000 | 250.885 |
| 578 | 1250 CR | Creosote | 0.9 | 0.8 | 756478.300 | 3650826.000 | 250.922 |
| 579 | 1251 WB | White Burr Sage | 0.6 | 0.8 | 756476.600 | 3650828.000 | 250.798 |
| 580 | 1252 CR | Creosote | 0.9 | 1.9 | 756476.400 | 3650828.000 | 250.871 |
| 581 | 1253 CR | Creosote | 0.7 | 1.5 | 756468.800 | 3650831.000 | 250.875 |
| 582 | 1254 CR | Creosote | 0.5 | 1.0 | 756461.700 | 3650841.000 | 250.951 |
| 583 | 1255 WB | White Burr Sage | 0.5 | 0.8 | 756474.100 | 3650825.000 | 250.678 |
| 584 | 1256 WB | White Burr Sage | 0.5 | 1.4 | 756476.100 | 3650825.000 | 250.774 |
| 585 | 1257 YP | Yellow Paloverde | 4.9 | 6.1 | 756475.300 | 3650823.000 | 250.740 |
| 586 | 1258 DS | Brittle Bush | 0.6 | 0.8 | 756475.900 | 3650823.000 | 250.738 |
| 587 | 1259 DS | Brittle Bush | 0.8 | 1.5 | 756475.000 | 3650822.000 | 250.760 |
| 588 | 1260 WB | White Burr Sage | 0.4 | 0.6 | 756469.800 | 3650824.000 | 250.728 |
| 589 | 1261 DS | Brittle Bush | 0.7 | 1.2 | 756471.900 | 3650824.000 | 250.706 |
| 590 | 1262 CR | Creosote | 0.8 | 1.1 | 756472.200 | 3650823.000 | 250.654 |
| 591 | 1263 CR | Creosote | 0.6 | 1.4 | 756474.000 | 3650820.000 | 250.980 |

(Sheet 19 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 592 | 1264 WB | White Burr Sage | 0.4 | 0.5 | 756481.200 | 3650829.000 | 250.891 |
| 593 | 1265 CR | Creosote | 1.2 | 2.2 | 756288.800 | 3650827.000 | 249.384 |
| 594 | 1266 CR | Creosote | 1.5 | 2.8 | 756291.100 | 3650835.000 | 249.590 |
| 595 | 1267 CR | Creosote | 1.4 | 2.0 | 756292.200 | 3650843.000 | 249.715 |
| 596 | 1268 CR | Creosote | 1.4 | 2.0 | 756292.800 | 3650844.000 | 249.827 |
| 597 | 1269 YP | Yellow Paloverde | 3.4 | 3.6 | 756295.800 | 3650851.000 | 249.822 |
| 598 | 1270 DW | Deadwood | 0.8 | 3.7 | 756293.400 | 3650852.000 | 249.649 |
| 599 | 1271 CR | Creosote | 1.3 | 2.1 | 756299.300 | 3650846.000 | 249.613 |
| 600 | 1272 CR | Creosote | 0.7 | 1.4 | 756301.700 | 3650846.000 | 249.635 |
| 601 | 1273 CR | Creosote | 0.8 | 1.3 | 756301.300 | 3650844.000 | 249.626 |
| 602 | 1274 CR | Creosote | 1.1 | 1.8 | 756302.900 | 3650852.000 | 249.616 |
| 603 | 1275 CR | Creosote | 0.7 | 1.8 | 756301.900 | 3650855.000 | 249.883 |
| 604 | 1276 CR | Creosote | 1.1 | 1.5 | 756314.000 | 3650861.000 | 249.901 |
| 605 | 1277 CR | Creosote | 0.7 | 1.5 | 756315.600 | 3650857.000 | 249.970 |
| 606 | 1278 CR | Creosote | 1.0 | 2.2 | 756321.300 | 3650860.000 | 249.880 |
| 607 | 1279 CR | Creosote | 1.0 | 2.2 | 756324.900 | 3650865.000 | 249.901 |
| 608 | 1280 CR | Creosote | 0.9 | 1.9 | 756329.400 | 3650862.000 | 249.977 |
| 609 | 1281 CR | Creosote | 1.0 | 1.5 | 756327.100 | 3650859.000 | 249.862 |
| 610 | 1282 CR | Creosote | 1.0 | 1.7 | 756326.600 | 3650857.000 | 249.856 |
| 611 | 1283 CR | Creosote | 1.5 | 2.5 | 756323.200 | 3650853.000 | 249.711 |
| 612 | 1284 CR | Creosote | 0.6 | 1.2 | 756324.500 | 3650851.000 | 249.905 |
| 613 | 1285 CR | Creosote | 0.9 | 0.6 | 756323.500 | 3650851.000 | 249.867 |
| 614 | 1286 CR | Creosote | 0.9 | 0.7 | 756324.300 | 3650850.000 | 249.926 |
| 615 | 1287 CR | Creosote | 0.9 | 1.6 | 756315.600 | 3650845.000 | 249.600 |
| 616 | 1288 DS | Brittle Bush | 0.6 | 1.2 | 756318.700 | 3650850.000 | 249.511 |
| 617 | 1289 CR | Creosote | 1.1 | 2.0 | 756321.100 | 3650848.000 | 249.781 |
| 618 | 1290 CR | Creosote | 0.9 | 1.7 | 756319.900 | 3650842.000 | 249.754 |
| 619 | 1291 CR | Creosote | 0.9 | 1.5 | 756318.000 | 3650837.000 | 249.709 |
| 620 | 1292 CR | Creosote | 0.7 | 1.3 | 756315.900 | 3650840.000 | 249.527 |
| 621 | 1293 GB | Grey Bush??? | 0.7 | 1.2 | 756315.300 | 3650840.000 | 249.525 |
| 622 | 1294 DS | Brittle Bush | 0.3 | 0.4 | 756314.300 | 3650842.000 | 249.554 |

(Sheet 20 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|--------------|--------|-------|------------|-------------|-----------|
| 623 | 1295 CR | Creosote | 0.9 | 1.2 | 756313.800 | 3650842.000 | 249.562 |
| 624 | 1296 DS | Brittle Bush | 0.3 | 0.4 | 756313.100 | 3650841.000 | 249.532 |
| 625 | 1297 CR | Creosote | 0.8 | 1.1 | 756310.300 | 3650843.000 | 249.559 |
| 626 | 1298 CC | Catclaw | 3.2 | 4.1 | 756308.500 | 3650841.000 | 249.609 |
| 627 | 1299 DW | Deadwood | 0.9 | 1.9 | 756308.900 | 3650841.000 | 249.581 |
| 628 | 1300 CR | Creosote | 1.1 | 1.6 | 756312.500 | 3650836.000 | 249.529 |
| 629 | 1301 CR | Creosote | 1.2 | 1.9 | 756310.700 | 3650833.000 | 249.562 |
| 630 | 1302 CR | Creosote | 0.9 | 1.0 | 756311.100 | 3650832.000 | 249.575 |
| 631 | 1303 CR | Creosote | 1.3 | 2.0 | 756307.600 | 3650831.000 | 249.494 |
| 632 | 1304 CR | Creosote | 1.1 | 2.5 | 756307.900 | 3650835.000 | 249.484 |
| 633 | 1305 CR | Creosote | 0.9 | 1.2 | 756304.100 | 3650835.000 | 249.512 |
| 634 | 1306 CR | Creosote | 0.9 | 1.0 | 756304.300 | 3650836.000 | 249.557 |
| 635 | 1307 CR | Creosote | 1.1 | 0.9 | 756304.100 | 3650838.000 | 249.547 |
| 636 | 1308 CR | Creosote | 1.1 | 1.8 | 756297.800 | 3650839.000 | 249.588 |
| 637 | 1309 CR | Creosote | 0.8 | 0.8 | 756296.400 | 3650836.000 | 249.545 |
| 638 | 1310 CC | Catclaw | 4.2 | 4.0 | 756299.400 | 3650828.000 | 249.348 |
| 639 | 1311 DS | Brittle Bush | 0.9 | 1.0 | 756298.700 | 3650827.000 | 249.285 |
| 640 | 1312 CR | Creosote | 0.7 | 1.5 | 756294.100 | 3650825.000 | 249.397 |
| 641 | 1313 CR | Creosote | 1.2 | 1.9 | 756298.700 | 3650823.000 | 249.309 |
| 642 | 1314 CR | Creosote | 1.3 | 1.6 | 756309.700 | 3650824.000 | 249.418 |
| 643 | 1315 CR | Creosote | 1.2 | 1.7 | 756310.400 | 3650825.000 | 249.463 |
| 644 | 1316 CR | Creosote | 0.8 | 1.1 | 756315.900 | 3650829.000 | 249.646 |
| 645 | 1317 CR | Creosote | 0.7 | 0.9 | 756318.100 | 3650823.000 | 249.630 |
| 646 | 1318 CR | Creosote | 1.1 | 1.6 | 756321.300 | 3650823.000 | 249.654 |
| 647 | 1319 CR | Creosote | 0.7 | 1.5 | 756323.400 | 3650823.000 | 249.598 |
| 648 | 1320 CR | Creosote | 0.8 | 1.4 | 756324.300 | 3650827.000 | 249.871 |
| 649 | 1321 CR | Creosote | 0.9 | 1.2 | 756324.400 | 3650828.000 | 249.794 |
| 650 | 1322 CR | Creosote | 1.3 | 1.7 | 756328.800 | 3650825.000 | 249.615 |
| 651 | 1323 CR | Creosote | 0.7 | 1.8 | 756330.400 | 3650829.000 | 249.619 |
| 652 | 1324 CR | Creosote | 0.8 | 1.2 | 756326.400 | 3650830.000 | 249.710 |
| 653 | 1325 DS | Brittle Bush | 0.6 | 1.1 | 756329.700 | 3650831.000 | 249.632 |

(Sheet 21 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 654 | 1326 CR | Creosote | 0.4 | 0.5 | 756330.300 | 3650832.000 | 249.634 |
| 655 | 1327 CR | Creosote | 0.7 | 0.8 | 756327.500 | 3650834.000 | 249.724 |
| 656 | 1328 CR | Creosote | 1.0 | 1.4 | 756328.200 | 3650839.000 | 249.762 |
| 657 | 1329 CR | Creosote | 1.1 | 1.5 | 756332.400 | 3650834.000 | 249.734 |
| 658 | 1330 CR | Creosote | 0.9 | 1.2 | 756332.800 | 3650830.000 | 249.737 |
| 659 | 1331 CR | Creosote | 1.3 | 1.9 | 756334.800 | 3650827.000 | 249.741 |
| 660 | 1332 CR | Creosote | 1.1 | 1.8 | 756336.900 | 3650829.000 | 249.876 |
| 661 | 1333 CR | Creosote | 0.9 | 1.5 | 756335.900 | 3650835.000 | 249.874 |
| 662 | 1334 CR | Creosote | 0.7 | 1.5 | 756336.100 | 3650843.000 | 249.934 |
| 663 | 1335 CR | Creosote | 0.8 | 1.5 | 756337.700 | 3650844.000 | 249.929 |
| 664 | 1336 CR | Creosote | 0.8 | 1.3 | 756336.900 | 3650845.000 | 249.933 |
| 665 | 1337 CR | Creosote | 1.0 | 1.6 | 756334.500 | 3650851.000 | 249.843 |
| 666 | 1338 CR | Creosote | 0.9 | 1.8 | 756336.100 | 3650859.000 | 249.953 |
| 667 | 1339 CR | Creosote | 1.2 | 2.4 | 756326.800 | 3650868.000 | 249.983 |
| 668 | 1340 CR | Creosote | 1.7 | 2.6 | 756334.400 | 3650870.000 | 249.876 |
| 669 | 1341 CR | Creosote | 1.6 | 1.8 | 756335.300 | 3650870.000 | 249.893 |
| 670 | 1342 CR | Creosote | 0.8 | 1.0 | 756338.900 | 3650866.000 | 250.045 |
| 671 | 1343 CR | Creosote | 1.0 | 1.1 | 756345.400 | 3650869.000 | 250.025 |
| 672 | 1344 CR | Creosote | 0.5 | 0.6 | 756344.600 | 3650867.000 | 250.055 |
| 673 | 1345 CR | Creosote | 0.8 | 0.7 | 756343.300 | 3650858.000 | 250.080 |
| 674 | 1346 DW | Deadwood | 0.2 | 2.7 | 756295.700 | 3650828.000 | 249.430 |
| 675 | 1347 CR | Creosote | 0.6 | 1.1 | 756327.000 | 3650819.000 | 249.699 |
| 676 | 1348 CR | Creosote | 0.7 | 1.3 | 756325.700 | 3650817.000 | 249.631 |
| 677 | 1349 CR | Creosote | 0.7 | 1.1 | 756321.800 | 3650817.000 | 249.512 |
| 678 | 1350 WB | White Burr Sage | 0.5 | 0.9 | 756407.100 | 3650802.000 | 250.160 |
| 679 | 1351 CR | Creosote | 1.0 | 2.3 | 756407.900 | 3650805.000 | 250.193 |
| 680 | 1352 WB | White Burr Sage | 0.4 | 0.8 | 756410.700 | 3650805.000 | 250.155 |
| 681 | 1353 CR | Creosote | 0.5 | 1.6 | 756412.100 | 3650803.000 | 250.253 |
| 682 | 1354 WB | White Burr Sage | 0.4 | 0.6 | 756412.200 | 3650804.000 | 250.222 |
| 683 | 1355 WB | White Burr Sage | 0.3 | 0.5 | 756410.300 | 3650806.000 | 250.179 |
| 684 | 1356 WB | White Burr Sage | 0.3 | 0.7 | 756409.400 | 3650808.000 | 250.212 |

(Sheet 22 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 685 | 1357 DS | Brittle Bush | 0.4 | 0.6 | 756411.800 | 3650807.000 | 250.194 |
| 686 | 1359 CR | Creosote | 0.6 | 1.3 | 756416.900 | 3650810.000 | 250.268 |
| 687 | 1360 CR | Creosote | 1.1 | 1.0 | 756421.600 | 3650811.000 | 250.297 |
| 688 | 1361 WB | White Burr Sage | 0.5 | 0.9 | 756422.800 | 3650813.000 | 250.334 |
| 689 | 1362 WB | White Burr Sage | 0.5 | 0.7 | 756422.700 | 3650815.000 | 250.329 |
| 690 | 1363 CR | Creosote | 0.5 | 0.6 | 756424.800 | 3650814.000 | 250.343 |
| 691 | 1364 WB | White Burr Sage | 0.5 | 0.7 | 756424.800 | 3650815.000 | 250.357 |
| 692 | 1365 WB | White Burr Sage | 0.3 | 0.5 | 756426.900 | 3650818.000 | 250.406 |
| 693 | 1366 CR | Creosote | 0.4 | 0.8 | 756425.900 | 3650816.000 | 250.350 |
| 694 | 1367 WB | White Burr Sage | 0.5 | 0.8 | 756428.900 | 3650817.000 | 250.443 |
| 695 | 1368 WB | White Burr Sage | 0.4 | 0.8 | 756430.000 | 3650818.000 | 250.426 |
| 696 | 1369 CR | Creosote | 1.6 | 0.8 | 756431.800 | 3650817.000 | 250.460 |
| 697 | 1370 WB | White Burr Sage | 0.4 | 0.5 | 756431.900 | 3650816.000 | 250.457 |
| 698 | 1371 CR | Creosote | 0.8 | 1.1 | 756433.400 | 3650824.000 | 250.531 |
| 699 | 1372 WB | White Burr Sage | 0.3 | 0.7 | 756434.000 | 3650830.000 | 250.623 |
| 700 | 1373 WB | White Burr Sage | 0.4 | 0.7 | 756434.000 | 3650831.000 | 250.610 |
| 701 | 1374 WB | White Burr Sage | 0.3 | 0.3 | 756432.900 | 3650831.000 | 250.600 |
| 702 | 1375 CR | Creosote | 0.4 | 0.5 | 756439.200 | 3650837.000 | 250.683 |
| 703 | 1376 CR | Creosote | 1.2 | 1.8 | 756441.500 | 3650836.000 | 250.760 |
| 704 | 1377 CR | Creosote | 0.4 | 0.8 | 756481.600 | 3650813.000 | 250.742 |
| 705 | 1378 CR | Creosote | 0.9 | 1.4 | 756475.600 | 3650806.000 | 250.690 |
| 706 | 1379 CR | Creosote | 0.9 | 1.4 | 756475.900 | 3650804.000 | 250.619 |
| 707 | 1380 CR | Creosote | 0.8 | 1.2 | 756472.600 | 3650797.000 | 250.472 |
| 708 | 1381 WB | White Burr Sage | 0.4 | 0.5 | 756470.100 | 3650797.000 | 250.351 |
| 709 | 1382 CR | Creosote | 1.1 | 1.5 | 756472.100 | 3650806.000 | 250.603 |
| 710 | 1383 GB | Grey Bush??? | 0.7 | 1.3 | 756460.800 | 3650801.000 | 250.542 |
| 711 | 1384 WB | White Burr Sage | 0.5 | 1.2 | 756459.700 | 3650801.000 | 250.442 |
| 712 | 1385 CR | Creosote | 0.9 | 1.5 | 756460.900 | 3650802.000 | 250.485 |
| 713 | 1386 GB | Grey Bush??? | 0.5 | 1.2 | 756460.700 | 3650802.000 | 250.439 |
| 714 | 1387 CR | Creosote | 0.8 | 1.2 | 756461.400 | 3650804.000 | 250.466 |
| 715 | 1388 WB | White Burr Sage | 0.5 | 1.1 | 756461.400 | 3650805.000 | 250.438 |

(Sheet 23 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 716 | 1389 WB | White Burr Sage | 0.6 | 0.9 | 756458.100 | 3650802.000 | 250.321 |
| 717 | 1390 CR | Creosote | 1.1 | 1.4 | 756457.800 | 3650803.000 | 250.350 |
| 718 | 1391 WB | White Burr Sage | 0.5 | 0.8 | 756458.800 | 3650804.000 | 250.330 |
| 719 | 1392 WB | White Burr Sage | 0.6 | 0.8 | 756458.200 | 3650804.000 | 250.354 |
| 720 | 1393 WB | White Burr Sage | 0.5 | 0.8 | 756459.300 | 3650806.000 | 250.359 |
| 721 | 1394 WB | White Burr Sage | 0.7 | 1.1 | 756460.000 | 3650810.000 | 250.438 |
| 722 | 1395 CR | Creosote | 1.0 | 1.7 | 756459.700 | 3650811.000 | 250.545 |
| 723 | 1396 GB | Grey Bush??? | 0.5 | 1.0 | 756459.900 | 3650811.000 | 250.594 |
| 724 | 1397 CR | Creosote | 0.8 | 1.0 | 756459.800 | 3650812.000 | 250.593 |
| 725 | 1398 CR | Creosote | 0.7 | 1.2 | 756464.000 | 3650810.000 | 250.680 |
| 726 | 1399 CR | Creosote | 0.8 | 0.8 | 756464.200 | 3650812.000 | 250.522 |
| 727 | 1400 WB | White Burr Sage | 0.5 | 1.1 | 756462.500 | 3650812.000 | 250.522 |
| 728 | 1401 WB | White Burr Sage | 0.6 | 1.0 | 756462.100 | 3650813.000 | 250.486 |
| 729 | 1402 WB | White Burr Sage | 0.6 | 0.6 | 756460.800 | 3650815.000 | 250.541 |
| 730 | 1403 WB | White Burr Sage | 0.6 | 1.0 | 756460.800 | 3650816.000 | 250.565 |
| 731 | 1404 CC | Catclaw | 3.5 | 4.4 | 756463.600 | 3650817.000 | 250.522 |
| 732 | 1405 CR | Creosote | 1.4 | 2.2 | 756464.600 | 3650814.000 | 250.625 |
| 733 | 1406 DS | Brittle Bush | 0.8 | 1.3 | 756463.900 | 3650815.000 | 250.553 |
| 734 | 1407 WB | White Burr Sage | 0.4 | 0.5 | 756461.100 | 3650814.000 | 250.388 |
| 735 | 1408 DS | Brittle Bush | 0.7 | 0.8 | 756465.800 | 3650816.000 | 250.623 |
| 736 | 1409 DS | Brittle Bush | 0.6 | 2.1 | 756464.600 | 3650818.000 | 250.585 |
| 737 | 1410 DS | Brittle Bush | 0.7 | 0.9 | 756463.200 | 3650817.000 | 250.412 |
| 738 | 1411 WB | White Burr Sage | 0.2 | 0.7 | 756460.400 | 3650818.000 | 250.672 |
| 739 | 1412 WB | White Burr Sage | 0.4 | 0.7 | 756461.600 | 3650820.000 | 250.691 |
| 740 | 1413 CR | Creosote | 1.2 | 2.2 | 756463.800 | 3650821.000 | 250.709 |
| 741 | 1414 WB | White Burr Sage | 1.0 | 1.6 | 756465.900 | 3650820.000 | 250.602 |
| 742 | 1415 WB | White Burr Sage | 0.6 | 1.0 | 756466.400 | 3650820.000 | 250.658 |
| 743 | 1416 WB | White Burr Sage | 0.7 | 1.0 | 756468.500 | 3650820.000 | 250.694 |
| 744 | 1417 GB | Grey Bush??? | 0.5 | 0.8 | 756468.100 | 3650821.000 | 250.700 |
| 745 | 1418 CR | Creosote | 0.8 | 1.1 | 756469.800 | 3650822.000 | 250.732 |
| 746 | 1419 CR | Creosote | 0.9 | 1.0 | 756469.900 | 3650822.000 | 250.754 |

(Sheet 24 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 747 | 1420 CR | Creosote | 0.9 | 0.9 | 756470.800 | 3650818.000 | 250.798 |
| 748 | 1421 CR | Creosote | 1.2 | 1.3 | 756470.600 | 3650818.000 | 250.781 |
| 749 | 1422 CR | Creosote | 1.1 | 1.2 | 756470.100 | 3650817.000 | 250.791 |
| 750 | 1423 YP | Yellow Paloverde | 4.3 | 4.7 | 756535.600 | 3650794.000 | 251.161 |
| 751 | 1424 WB | White Burr Sage | 0.4 | 0.5 | 756534.500 | 3650792.000 | 251.158 |
| 752 | 1425 B2 | Unidentified | 0.8 | 1.1 | 756536.000 | 3650793.000 | 251.124 |
| 753 | 1426 DS | Brittle Bush | 0.7 | 1.0 | 756534.600 | 3650794.000 | 251.119 |
| 754 | 1427 CR | Creosote | 0.7 | 0.7 | 756534.600 | 3650795.000 | 251.183 |
| 755 | 1428 B2 | Unidentified | 0.7 | 0.7 | 756536.800 | 3650796.000 | 251.218 |
| 756 | 1429 WB | White Burr Sage | 0.4 | 0.9 | 756536.300 | 3650796.000 | 251.226 |
| 757 | 1430 CR | Creosote | 0.7 | 1.1 | 756534.300 | 3650795.000 | 251.206 |
| 758 | 1431 B2 | Unidentified | 0.8 | 1.1 | 756536.300 | 3650794.000 | 251.147 |
| 759 | 1432 CR | Creosote | 0.8 | 1.5 | 756473.100 | 3650820.000 | 250.984 |
| 760 | 1433 WB | White Burr Sage | 0.3 | 0.5 | 756462.300 | 3650811.000 | 250.525 |
| 761 | 1434 CR | Creosote | 0.9 | 1.2 | 756538.600 | 3650800.000 | 251.416 |
| 762 | 1435 CR | Creosote | 0.9 | 1.2 | 756538.600 | 3650800.000 | 251.376 |
| 763 | 1436 WB | White Burr Sage | 0.5 | 0.9 | 756541.500 | 3650797.000 | 251.287 |
| 764 | 1437 WB | White Burr Sage | 0.4 | 0.5 | 756543.400 | 3650799.000 | 251.282 |
| 765 | 1438 WB | White Burr Sage | 0.3 | 0.7 | 756542.300 | 3650800.000 | 251.290 |
| 766 | 1439 WB | White Burr Sage | 0.5 | 0.8 | 756545.000 | 3650801.000 | 251.363 |
| 767 | 1440 CR | Creosote | 1.3 | 2.3 | 756549.300 | 3650803.000 | 251.380 |
| 768 | 1441 CR | Creosote | 0.9 | 1.5 | 756547.300 | 3650804.000 | 251.267 |
| 769 | 1442 OC | Octilla | 1.8 | 1.5 | 756550.600 | 3650805.00 | 251.367 |
| 770 | 1443 YP | Yellow Paloverde | 2.9 | 3.6 | 756552.800 | 3650808.000 | 251.419 |
| 771 | 1444 WB | White Burr Sage | 0.6 | 0.8 | 756553.400 | 3650806.000 | 251.418 |
| 772 | 1445 CR | Creosote | 1.0 | 1.7 | 756553.300 | 3650811.000 | 251.528 |
| 773 | 1446 CR | Creosote | 1.1 | 1.7 | 756556.200 | 3650813.000 | 251.466 |
| 774 | 1447 CR | Creosote | 0.8 | 1.8 | 756557.100 | 3650816.000 | 251.556 |
| 775 | 1448 GB | Grey Bush??? | 0.5 | 0.9 | 756558.600 | 3650818.000 | 251.548 |
| 776 | 1449 WB | White Burr Sage | 0.6 | 1.0 | 756560.600 | 3650820.000 | 251.541 |
| 777 | 1450 B2 | Unidentified | 0.7 | 1.0 | 756561.100 | 3650820.000 | 251.618 |

(Sheet 25 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 778 | 1451 CR | Creosote | 0.9 | 1.7 | 756564.400 | 3650820.000 | 251.578 |
| 779 | 1452 CR | Creosote | 0.8 | 1.0 | 756565.900 | 3650821.000 | 251.635 |
| 780 | 1453 CR | Creosote | 0.9 | 1.2 | 756566.500 | 3650822.000 | 251.668 |
| 781 | 1454 CR | Creosote | 0.7 | 1.1 | 756567.000 | 3650822.000 | 251.660 |
| 782 | 1455 OC | Octilla | 3.3 | 1.6 | 756567.900 | 3650822.000 | 251.672 |
| 783 | 1456 CR | Creosote | 1.3 | 2.0 | 756569.800 | 3650829.000 | 251.780 |
| 784 | 1457 CR | Creosote | 1.3 | 1.7 | 756575.400 | 3650832.000 | 251.881 |
| 785 | 1458 CR | Creosote | 1.0 | 2.2 | 756581.300 | 3650840.000 | 251.974 |
| 786 | 1459 CR | Creosote | 0.9 | 1.0 | 756582.000 | 3650842.000 | 251.961 |
| 787 | 1460 WB | White Burr Sage | 0.4 | 0.7 | 756583.800 | 3650844.000 | 252.024 |
| 788 | 1461 WB | White Burr Sage | 0.3 | 0.4 | 756585.100 | 3650845.000 | 252.022 |
| 789 | 1462 WB | White Burr Sage | 0.6 | 0.9 | 756586.200 | 3650847.000 | 252.028 |
| 790 | 1463 CR | Creosote | 1.1 | 1.8 | 756592.500 | 3650854.000 | 252.155 |
| 791 | 1464 CR | Creosote | 1.0 | 2.1 | 756598.300 | 3650854.000 | 252.301 |
| 792 | 1465 CR | Creosote | 1.1 | 1.7 | 756601.100 | 3650862.000 | 252.302 |
| 793 | 1466 CR | Creosote | 0.6 | 0.8 | 756607.300 | 3650863.000 | 252.514 |
| 794 | 1467 CR | Creosote | 1.3 | 1.9 | 756612.600 | 3650874.000 | 252.768 |
| 795 | 1468 RB | Wolfberry | 1.3 | 1.5 | 756611.400 | 3650886.000 | 252.613 |
| 796 | 1469 CR | Creosote | 0.8 | 1.4 | 756616.900 | 3650900.000 | 252.958 |
| 797 | 1470 CR | Creosote | 1.3 | 2.0 | 756622.400 | 3650898.000 | 252.801 |
| 798 | 1471 CR | Creosote | 1.5 | 2.2 | 756627.600 | 3650902.000 | 252.929 |
| 799 | 1472 CR | Creosote | 1.1 | 1.4 | 756627.500 | 3650903.000 | 252.928 |
| 800 | 1473 CR | Creosote | 1.2 | 1.2 | 756628.200 | 3650908.000 | 253.005 |
| 801 | 1474 CR | Creosote | 0.5 | 0.6 | 756631.100 | 3650911.000 | 253.031 |
| 802 | 1475 CR | Creosote | 1.0 | 1.8 | 756633.500 | 3650911.000 | 253.065 |
| 803 | 1476 CR | Creosote | 1.7 | 2.4 | 756635.400 | 3650904.000 | 253.092 |
| 804 | 1477 CR | Creosote | 1.3 | 1.2 | 756631.000 | 3650899.000 | 252.998 |
| 805 | 1478 WB | White Burr Sage | 0.5 | 1.0 | 756552.600 | 3650839.000 | 251.713 |
| 806 | 1479 WB | White Burr Sage | 0.5 | 0.8 | 756554.200 | 3650837.000 | 251.647 |
| 807 | 1480 WB | White Burr Sage | 0.4 | 0.7 | 756554.000 | 3650836.000 | 251.647 |
| 808 | 1481 WB | White Burr Sage | 0.6 | 0.8 | 756551.700 | 3650836.000 | 251.628 |

(Sheet 26 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 809 | 1482 WB | White Burr Sage | 0.4 | 0.8 | 756550.400 | 3650837.000 | 251.631 |
| 810 | 1483 WB | White Burr Sage | 0.6 | 0.9 | 756550.400 | 3650834.000 | 251.596 |
| 811 | 1484 OC | Octilla | 2.0 | 1.0 | 756550.100 | 3650833.000 | 251.535 |
| 812 | 1485 WB | White Burr Sage | 0.5 | 0.7 | 756549.100 | 3650832.000 | 251.557 |
| 813 | 1486 CR | Creosote | 1.0 | 1.9 | 756545.100 | 3650832.000 | 251.693 |
| 814 | 1487 WB | White Burr Sage | 0.4 | 0.5 | 756544.500 | 3650829.000 | 251.502 |
| 815 | 1488 B2 | Unidentified | 0.6 | 0.5 | 756544.100 | 3650828.000 | 251.453 |
| 816 | 1489 CR | Creosote | 1.1 | 1.2 | 756543.400 | 3650827.000 | 251.432 |
| 817 | 1490 B2 | Unidentified | 0.7 | 0.9 | 756543.500 | 3650827.000 | 251.406 |
| 818 | 1491 WB | White Burr Sage | 0.5 | 0.7 | 756544.400 | 3650826.000 | 251.444 |
| 819 | 1492 CR | Creosote | 1.2 | 2.0 | 756545.300 | 3650826.000 | 251.517 |
| 820 | 1493 OC | Octilla | 2.3 | 1.9 | 756548.400 | 3650824.000 | 251.522 |
| 821 | 1494 CR | Creosote | 1.3 | 1.6 | 756541.700 | 3650825.000 | 251.428 |
| 822 | 1495 OC | Octilla | 3.4 | 3.1 | 756539.200 | 3650820.000 | 251.291 |
| 823 | 1496 CR | Creosote | 1.1 | 2.4 | 756540.600 | 3650818.000 | 251.409 |
| 824 | 1497 WB | White Burr Sage | 0.4 | 0.8 | 756538.900 | 3650819.000 | 251.331 |
| 825 | 1498 WB | White Burr Sage | 0.4 | 0.8 | 756538.900 | 3650819.000 | 251.331 |
| 826 | 1499 GP | Cholla | 0.5 | 0.5 | 756537.100 | 3650819.000 | 251.276 |
| 827 | 1500 WB | White Burr Sage | 0.5 | 0.7 | 756537.000 | 3650819.000 | 251.294 |
| 828 | 1501 GB | Grey Bush??? | 0.9 | 1.3 | 756535.800 | 3650817.000 | 251.244 |
| 829 | 1502 CR | Creosote | 1.2 | 1.8 | 756533.900 | 3650818.000 | 251.253 |
| 830 | 1503 CR | Creosote | 1.2 | 1.3 | 756534.500 | 3650819.000 | 251.345 |
| 831 | 1504 WB | White Burr Sage | 0.4 | 0.5 | 756532.600 | 3650814.000 | 251.196 |
| 832 | 1505 CR | Creosote | 1.1 | 1.7 | 756532.000 | 3650815.000 | 251.240 |
| 833 | 1506 CR | Creosote | 1.2 | 1.8 | 756531.200 | 3650815.000 | 251.260 |
| 834 | 1507 CR | Creosote | 1.0 | 1.4 | 756531.100 | 3650816.000 | 251.217 |
| 835 | 1508 WB | White Burr Sage | 0.5 | 0.7 | 756526.700 | 3650811.000 | 251.112 |
| 836 | 1509 YP | Yellow Paloverde | 1.4 | 1.5 | 756526.300 | 3650811.000 | 251.110 |
| 837 | 1510 CR | Creosote | 1.2 | 2.2 | 756524.100 | 3650814.000 | 251.185 |
| 838 | 1511 CR | Creosote | 0.9 | 1.2 | 756524.600 | 3650815.000 | 251.207 |
| 839 | 1512 CR | Creosote | 0.7 | 1.5 | 756522.400 | 3650811.000 | 250.958 |

(Sheet 27 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 840 | 1513 WB | White Burr Sage | 0.4 | 0.7 | 756522.000 | 3650809.000 | 250.915 |
| 841 | 1514 CR | Creosote | 0.6 | 1.9 | 756521.700 | 3650806.000 | 251.022 |
| 842 | 1515 OC | Octilla | 3.7 | 2.7 | 756520.400 | 3650808.000 | 250.858 |
| 843 | 1516 WB | White Burr Sage | 0.4 | 0.9 | 756520.100 | 3650806.000 | 250.910 |
| 844 | 1517 CR | Creosote | 1.1 | 1.4 | 756518.700 | 3650806.000 | 250.919 |
| 845 | 1518 WB | White Burr Sage | 0.5 | 0.7 | 756517.800 | 3650806.000 | 250.936 |
| 846 | 1519 DS | Brittle Bush | 0.8 | 1.2 | 756514.700 | 3650801.000 | 250.901 |
| 847 | 1520 CR | Creosote | 1.3 | 1.7 | 756514.100 | 3650801.000 | 250.938 |
| 848 | 1521 CR | Creosote | 1.3 | 1.8 | 756513.800 | 3650801.000 | 250.967 |
| 849 | 1522 WB | White Burr Sage | 0.4 | 0.6 | 756513.800 | 3650804.000 | 250.816 |
| 850 | 1523 WB | White Burr Sage | 0.6 | 0.9 | 756511.200 | 3650802.000 | 250.750 |
| 851 | 1524 WB | White Burr Sage | 0.4 | 0.7 | 756509.300 | 3650803.000 | 250.776 |
| 852 | 1525 CR | Creosote | 1.1 | 1.5 | 756504.900 | 3650800.000 | 250.808 |
| 853 | 1526 CR | Creosote | 1.2 | 1.3 | 756504.500 | 3650799.000 | 250.808 |
| 854 | 1527 WB | White Burr Sage | 0.6 | 1.1 | 756503.600 | 3650796.000 | 250.611 |
| 855 | 1528 WB | White Burr Sage | 0.3 | 0.3 | 756503.300 | 3650797.000 | 250.536 |
| 856 | 1529 GB | Grey Bush??? | 0.5 | 0.9 | 756500.900 | 3650797.000 | 250.604 |
| 857 | 1530 WB | White Burr Sage | 0.6 | 1.1 | 756500.300 | 3650795.000 | 250.565 |
| 858 | 1531 CR | Creosote | 1.2 | 1.9 | 756004.900 | 3650808.000 | 247.511 |
| 859 | 1532 CR | Creosote | 0.6 | 1.4 | 756008.300 | 3650804.000 | 246.981 |
| 860 | 1533 CR | Creosote | 1.1 | 2.2 | 756012.400 | 3650803.000 | 246.617 |
| 861 | 1534 WB | White Burr Sage | 0.4 | 0.8 | 756037.300 | 3650806.000 | 245.692 |
| 862 | 1535 CR | Creosote | 0.9 | 1.9 | 756040.300 | 3650806.000 | 245.708 |
| 863 | 1536 WB | White Burr Sage | 0.4 | 0.6 | 756039.400 | 3650809.000 | 245.728 |
| 864 | 1537 WB | White Burr Sage | 0.4 | 0.6 | 756040.300 | 3650812.000 | 245.794 |
| 865 | 1538 WB | White Burr Sage | 0.5 | 0.8 | 756038.300 | 3650813.000 | 245.822 |
| 866 | 1539 WB | White Burr Sage | 0.4 | 0.5 | 756040.200 | 3650813.000 | 245.850 |
| 867 | 1540 CR | Creosote | 0.8 | 1.7 | 756041.300 | 3650815.000 | 245.802 |
| 868 | 1541 WB | White Burr Sage | 0.5 | 0.6 | 756041.000 | 3650815.000 | 245.901 |
| 869 | 1542 CR | Creosote | 1.0 | 1.4 | 756107.400 | 3650839.000 | 246.735 |
| 870 | 1543 CR | Creosote | 1.0 | 1.5 | 756107.000 | 3650840.000 | 246.619 |

(Sheet 28 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 871 | 1544 CR | Creosote | 1.2 | 1.2 | 756116.600 | 3650840.000 | 246.924 |
| 872 | 1545 CR | Creosote | 1.3 | 1.4 | 756116.900 | 3650840.000 | 246.930 |
| 873 | 1546 CR | Creosote | 1.2 | 1.8 | 756121.300 | 3650838.000 | 247.243 |
| 874 | 1547 CR | Creosote | 1.0 | 1.3 | 756124.600 | 3650837.000 | 247.441 |
| 875 | 1548 CR | Creosote | 1.0 | 1.5 | 756124.800 | 3650838.000 | 247.357 |
| 876 | 1549 WB | White Burr Sage | 0.7 | 1.4 | 756124.800 | 3650839.000 | 247.086 |
| 877 | 1550 CR | Creosote | 1.2 | 2.3 | 756129.300 | 3650834.000 | 247.808 |
| 878 | 1551 WB | White Burr Sage | 0.5 | 0.7 | 756130.800 | 3650837.000 | 247.490 |
| 879 | 1552 CR | Creosote | 0.8 | 1.1 | 756132.100 | 3650837.000 | 247.695 |
| 880 | 1553 WB | White Burr Sage | 0.7 | 1.4 | 756106.400 | 3650855.000 | 246.622 |
| 881 | 1554 WB | White Burr Sage | 0.8 | 1.2 | 756106.800 | 3650856.000 | 246.629 |
| 882 | 1555 WB | White Burr Sage | 0.4 | 1.1 | 756108.700 | 3650855.000 | 246.511 |
| 883 | 1556 WB | White Burr Sage | 0.7 | 1.4 | 756110.600 | 3650857.000 | 246.696 |
| 884 | 1557 WB | White Burr Sage | 0.4 | 0.5 | 756111.200 | 3650855.000 | 246.633 |
| 885 | 1558 DS | Brittle Bush | 1.4 | 1.4 | 756107.500 | 3650858.000 | 246.544 |
| 886 | 1559 CR | Creosote | 1.1 | 1.2 | 756107.900 | 3650859.000 | 246.578 |
| 887 | 1560 CC | Catclaw | 3.8 | 4.2 | 756104.700 | 3650860.000 | 246.715 |
| 888 | 1561 RB | Wolfberry | 2.4 | 1.5 | 756105.700 | 3650860.000 | 246.702 |
| 889 | 1562 WB | White Burr Sage | 0.7 | 1.2 | 756107.600 | 3650861.000 | 246.722 |
| 890 | 1563 CR | Creosote | 1.2 | 1.2 | 756106.900 | 3650861.000 | 246.609 |
| 891 | 1564 WB | White Burr Sage | 0.4 | 0.5 | 756101.300 | 3650858.000 | 246.583 |
| 892 | 1565 CC | Catclaw | 0.2 | 1.8 | 756103.300 | 3650856.000 | 246.548 |
| 893 | 1566 CR | Creosote | 1.0 | 1.5 | 756095.900 | 3650861.000 | 247.325 |
| 894 | 1567 CC | Catclaw | 0.1 | 1.5 | 756099.600 | 3650863.000 | 247.032 |
| 895 | 1568 CR | Creosote | 1.1 | 1.8 | 756093.800 | 3650866.000 | 247.436 |
| 896 | 1569 CR | Creosote | 1.0 | 2.0 | 756091.100 | 3650869.000 | 248.268 |
| 897 | 1570 CR | Creosote | 1.0 | 1.9 | 756026.900 | 3650879.000 | 246.556 |
| 898 | 1571 CR | Creosote | 0.9 | 1.6 | 756009.600 | 3650882.000 | 246.472 |
| 899 | 1572 CR | Creosote | 0.8 | 0.9 | 756007.300 | 3650878.000 | 246.323 |
| 900 | 1573 CR | Creosote | 0.9 | 1.6 | 756003.600 | 3650880.000 | 246.357 |
| 901 | 1574 CR | Creosote | 0.8 | 1.4 | 755991.200 | 3650886.000 | 246.382 |

(Sheet 29 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 902 | 1575 YP | Yellow Paloverde | 0.9 | 0.6 | 755980.500 | 3650890.000 | 246.372 |
| 903 | 1576 CR | Creosote | 1.0 | 1.6 | 755970.100 | 3650886.000 | 246.487 |
| 904 | 1577 CR | Creosote | 0.7 | 2.0 | 755962.000 | 3650886.000 | 246.323 |
| 905 | 1578 WB | White Burr Sage | 0.5 | 0.7 | 755962.100 | 3650885.000 | 246.316 |
| 906 | 1579 CR | Creosote | 0.9 | 0.9 | 755962.400 | 3650884.000 | 246.314 |
| 907 | 1580 RB | Wolfberry | 1.2 | 1.2 | 755953.100 | 3650888.000 | 246.301 |
| 908 | 1581 CR | Creosote | 1.2 | 2.0 | 755950.500 | 3650891.000 | 246.326 |
| 909 | 1582 CR | Creosote | 1.0 | 1.3 | 755957.900 | 3650894.000 | 246.382 |
| 910 | 1583 CR | Creosote | 0.7 | 1.2 | 755940.900 | 3650899.000 | 246.440 |
| 911 | 1584 CR | Creosote | 0.8 | 1.1 | 755938.800 | 3650902.000 | 246.201 |
| 912 | 1585 CR | Creosote | 0.7 | 1.1 | 755934.200 | 3650897.000 | 246.243 |
| 913 | 1586 CR | Creosote | 0.8 | 1.1 | 755931.600 | 3650897.000 | 246.312 |
| 914 | 1587 CR | Creosote | 0.9 | 1.4 | 755933.200 | 3650900.000 | 246.263 |
| 915 | 1588 CR | Creosote | 0.9 | 1.6 | 755926.900 | 3650899.000 | 246.123 |
| 916 | 1589 CR | Creosote | 0.5 | 0.6 | 755927.300 | 3650898.000 | 246.097 |
| 917 | 1590 CR | Creosote | 0.8 | 1.4 | 755921.100 | 3650903.000 | 246.152 |
| 918 | 1591 DS | Brittle Bush | 0.3 | 0.4 | 755919.400 | 3650905.000 | 246.006 |
| 919 | 1592 CR | Creosote | 1.4 | 2.0 | 755915.900 | 3650901.000 | 246.121 |
| 920 | 1593 ST | Stump | 1.9 | 3.9 | 755913.400 | 3650907.000 | 245.771 |
| 921 | 1594 DS | Brittle Bush | 1.1 | 1.2 | 755912.100 | 3650905.000 | 245.825 |
| 922 | 1595 RB | Wolfberry | 1.4 | 1.8 | 755911.800 | 3650904.000 | 246.023 |
| 923 | 1596 CR | Creosote | 1.5 | 2.6 | 755912.500 | 3650902.000 | 246.196 |
| 924 | 1597 DS | Brittle Bush | 0.9 | 0.9 | 755912.700 | 3650904.000 | 245.810 |
| 925 | 1598 RB | Wolfberry | 0.6 | 0.9 | 755913.100 | 3650904.000 | 245.852 |
| 926 | 1599 CR | Creosote | 1.3 | 2.0 | 755913.600 | 3650902.000 | 246.220 |
| 927 | 1600 CR | Creosote | 1.1 | 1.7 | 755913.400 | 3650901.000 | 246.240 |
| 928 | 1601 CR | Creosote | 0.9 | 1.5 | 755911.900 | 3650900.000 | 246.206 |
| 929 | 1602 CR | Creosote | 1.1 | 1.2 | 755912.600 | 3650898.000 | 246.050 |
| 930 | 1603 CR | Creosote | 1.1 | 1.3 | 755912.800 | 3650898.000 | 246.032 |
| 931 | 1604 DS | Brittle Bush | 0.5 | 0.4 | 755909.800 | 3650898.000 | 246.040 |
| 932 | 1605 CC | Catclaw | 6.0 | 4.9 | 755909.100 | 3650899.000 | 245.995 |

(Sheet 30 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 933 | 1606 CC | Catclaw | 4.9 | 4.2 | 755906.600 | 3650896.00 | 245.988 |
| 934 | 1607 DS | Brittle Bush | 0.6 | 0.5 | 755907.800 | 3650895.000 | 245.820 |
| 935 | 1608 CR | Creosote | 1.1 | 2.2 | 755911.500 | 3650894.000 | 246.022 |
| 936 | 1609 CR | Creosote | 1.3 | 2.1 | 755908.300 | 3650889.000 | 245.943 |
| 937 | 1610 CR | Creosote | 1.7 | 2.4 | 755905.300 | 3650892.000 | 246.125 |
| 938 | 1611 DS | Brittle Bush | 0.7 | 0.8 | 755903.700 | 3650894.000 | 245.617 |
| 939 | 1612 CR | Creosote | 1.0 | 1.4 | 755903.900 | 3650895.000 | 245.516 |
| 940 | 1613 RB | Wolfberry | 1.2 | 1.3 | 755904.400 | 3650895.000 | 245.544 |
| 941 | 1614 RB | Wolfberry | 1.3 | 1.1 | 755903.600 | 3650896.000 | 245.457 |
| 942 | 1615 DS | Brittle Bush | 0.8 | 0.6 | 755904.200 | 3650898.000 | 245.312 |
| 943 | 1616 RB | Wolfberry | 2.1 | 1.2 | 755906.400 | 3650896.000 | 245.944 |
| 944 | 1617 DS | Brittle Bush | 0.9 | 0.6 | 755905.600 | 3650895.000 | 245.758 |
| 945 | 1618 CR | Creosote | 1.2 | 1.3 | 755854.900 | 3650779.000 | 246.504 |
| 946 | 1619 CR | Creosote | 0.9 | 1.5 | 755857.000 | 3650777.000 | 246.229 |
| 947 | 1620 CR | Creosote | 0.6 | 0.9 | 755858.600 | 3650775.000 | 246.075 |
| 948 | 1621 CR | Creosote | 0.9 | 1.2 | 755866.600 | 3650779.000 | 245.919 |
| 949 | 1622 CR | Creosote | 1.1 | 1.2 | 755869.800 | 3650780.000 | 245.772 |
| 950 | 1623 CR | Creosote | 1.1 | 1.7 | 755870.200 | 3650781.000 | 245.933 |
| 951 | 1624 CR | Creosote | 1.2 | 1.5 | 755865.900 | 3650785.000 | 246.688 |
| 952 | 1625 CR | Creosote | 0.7 | 1.8 | 755861.600 | 3650799.000 | 248.053 |
| 953 | 1626 DS | Brittle Bush | 0.6 | 1.3 | 755881.400 | 3650802.000 | 245.774 |
| 954 | 1627 CR | Creosote | 1.0 | 1.9 | 755884.800 | 3650798.000 | 245.426 |
| 955 | 1625 WB | White Burr Sage | 0.5 | 0.5 | 755884.400 | 3650798.000 | 245.519 |
| 956 | 1629 CR | Creosote | 0.8 | 1.1 | 755887.300 | 3650792.000 | 245.436 |
| 957 | 1630 CR | Creosote | 1.2 | 1.6 | 755891.600 | 3650788.000 | 244.781 |
| 958 | 1631 CR | Creosote | 0.4 | 0.5 | 755891.600 | 3650787.000 | 244.768 |
| 959 | 1632 CR | Creosote | 0.6 | 1.2 | 755892.200 | 3650786.000 | 244.835 |
| 960 | 1633 CR | Creosote | 0.8 | 1.5 | 755893.900 | 3650786.000 | 244.913 |
| 961 | 1634 CR | Creosote | 0.7 | 0.9 | 755891.000 | 3650782.000 | 244.846 |
| 962 | 1634 CR | Creosote | 0.7 | 0.9 | 755891.200 | 3650781.000 | 244.846 |
| 963 | 1636 CR | Creosote | 0.9 | 1.2 | 755893.300 | 3650791.000 | 244.863 |

(Sheet 31 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 964 | 1637 CR | Creosote | 1.2 | 1.5 | 755900.800 | 3650788.000 | 244.813 |
| 965 | 1638 CR | Creosote | 1.0 | 1.3 | 755900.200 | 3650792.000 | 244.999 |
| 966 | 1639 CR | Creosote | 0.9 | 1.0 | 755900.300 | 3650793.000 | 244.983 |
| 967 | 1640 CR | Creosote | 1.1 | 1.3 | 755900.400 | 3650794.000 | 244.922 |
| 968 | 1641 WB | White Burr Sage | 0.6 | 0.8 | 755903.600 | 3650795.000 | 244.684 |
| 969 | 1642 CR | Creosote | 0.9 | 1.8 | 755908.800 | 3650788.000 | 244.902 |
| 970 | 1643 CR | Creosote | 1.0 | 1.2 | 755912.300 | 3650797.000 | 245.056 |
| 971 | 1644 YP | Yellow Paloverde | 1.4 | 1.6 | 755916.100 | 3650794.000 | 244.874 |
| 972 | 1645 CR | Creosote | 0.9 | 1.5 | 755915.000 | 3650793.000 | 244.911 |
| 973 | 1646 WB | White Burr Sage | 0.6 | 0.8 | 755915.800 | 3650792.000 | 244.813 |
| 974 | 1647 CR | Creosote | 1.2 | 2.5 | 755918.300 | 3650796.000 | 244.926 |
| 975 | 1648 CR | Creosote | 1.0 | 1.5 | 755921.900 | 3650799.000 | 245.028 |
| 976 | 1649 CR | Creosote | 1.6 | 2.0 | 755922.800 | 3650799.000 | 245.038 |
| 977 | 1650 YP | Yellow Paloverde | 4.1 | 4.3 | 756026.600 | 3650871.000 | 246.168 |
| 978 | 1651 CR | Creosote | 1.7 | 1.3 | 756028.500 | 3650871.000 | 246.503 |
| 979 | 1652 WB | White Burr Sage | 0.3 | 0.5 | 756024.200 | 3650872.000 | 246.188 |
| 980 | 1653 CR | Creosote | 1.2 | 0.9 | 756033.600 | 3650863.000 | 246.800 |
| 981 | 1654 CR | Creosote | 0.7 | 0.9 | 756033.100 | 3650862.000 | 246.691 |
| 982 | 1655 CR | Creosote | 0.8 | 1.1 | 756026.900 | 3650864.000 | 246.309 |
| 983 | 1656 CR | Creosote | 1.0 | 1.4 | 756020.300 | 3650867.000 | 246.253 |
| 984 | 1657 CR | Creosote | 1.1 | 1.5 | 756019.800 | 3650867.000 | 246.256 |
| 985 | 1658 WB | White Burr Sage | 0.5 | 0.3 | 756019.200 | 3650862.000 | 246.019 |
| 986 | 1659 CR | Creosote | 1.0 | 1.3 | 756021.900 | 3650859.000 | 246.231 |
| 987 | 1660 CR | Creosote | 1.2 | 2.0 | 756016.700 | 3650859.000 | 246.147 |
| 988 | 1661 CR | Creosote | 0.5 | 0.5 | 756015.500 | 3650859.000 | 246.195 |
| 989 | 1662 CR | Creosote | 0.8 | 1.0 | 756016.000 | 3650858.000 | 246.156 |
| 990 | 1663 CR | Creosote | 0.8 | 1.0 | 756016.300 | 3650858.000 | 246.134 |
| 991 | 1664 CR | Creosote | 1.0 | 1.3 | 756017.000 | 3650858.000 | 246.033 |
| 992 | 1665 WB | White Burr Sage | 0.8 | 1.1 | 756016.900 | 3650858.000 | 246.115 |
| 993 | 1667 CR | Creosote | 0.9 | 1.2 | 756026.200 | 3650852.000 | 246.541 |
| 994 | 1668 CR | Creosote | 0.8 | 1.0 | 755965.500 | 3650828.000 | 245.375 |

(Sheet 32 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 995 | 1669 CR | Creosote | 1.0 | 1.4 | 756018.100 | 3650853.000 | 246.267 |
| 996 | 1670 ST | Stump | 3.2 | 5.6 | 756017.000 | 3650853.000 | 246.144 |
| 997 | 1671 CC | Catclaw | 4.6 | 4.3 | 756015.400 | 3650852.000 | 246.081 |
| 998 | 1672 RB | Wolfberry | 1.8 | 2.6 | 756016.900 | 3650852.000 | 246.222 |
| 999 | 1673 CR | Creosote | 0.7 | 1.0 | 756017.600 | 3650847.000 | 246.332 |
| 1000 | 1674 CR | Creosote | 0.9 | 1.0 | 756014.400 | 3650846.000 | 246.193 |
| 1001 | 1675 CR | Creosote | 1.3 | 2.0 | 756010.100 | 3650845.000 | 246.292 |
| 1002 | 1676 CR | Creosote | 1.4 | 1.5 | 756009.700 | 3650844.000 | 246.518 |
| 1003 | 1677 CR | Creosote | 0.7 | 1.3 | 756007.900 | 3650842.000 | 246.292 |
| 1004 | 1678 CR | Creosote | 0.5 | 0.5 | 756006.800 | 3650842.000 | 246.135 |
| 1005 | 1679 CR | Creosote | 1.0 | 1.5 | 756007.400 | 3650841.000 | 246.693 |
| 1006 | 1680 CR | Creosote | 5.6 | 5.3 | 756003.600 | 3650845.000 | 245.821 |
| 1007 | 1681 CR | Creosote | 1.0 | 1.7 | 756004.800 | 3650845.000 | 245.977 |
| 1008 | 1682 CR | Creosote | 1.8 | 1.7 | 756001.400 | 3650843.000 | 245.935 |
| 1009 | 1683 CR | Creosote | 1.1 | 1.6 | 756001.100 | 3650843.000 | 246.008 |
| 1010 | 1684 CR | Creosote | 1.2 | 1.5 | 756002.800 | 3650838.000 | 246.988 |
| 1011 | 1685 CR | Creosote | 1.1 | 1.8 | 756000.300 | 3650839.000 | 246.058 |
| 1012 | 1686 RB | Wolfberry | 1.6 | 1.8 | 755997.600 | 3650839.000 | 245.815 |
| 1013 | 1687 CR | Creosote | 1.3 | 1.7 | 755995.500 | 3650837.000 | 245.965 |
| 1014 | 1688 CR | Creosote | 0.9 | 1.3 | 755996.600 | 3650833.000 | 247.414 |
| 1015 | 1689 CR | Creosote | 0.6 | 0.8 | 755994.300 | 3650832.000 | 247.109 |
| 1016 | 1690 CR | Creosote | 0.7 | 1.3 | 755992.000 | 3650838.000 | 245.778 |
| 1017 | 1691 WB | White Burr Sage | 0.6 | 0.7 | 755991.600 | 3650838.000 | 245.751 |
| 1018 | 1692 CR | Creosote | 1.2 | 2.0 | 755992.000 | 3650839.000 | 245.805 |
| 1019 | 1693 CR | Creosote | 1.5 | 2.4 | 755990.600 | 3650835.000 | 245.972 |
| 1020 | 1694 CR | Creosote | 1.5 | 1.9 | 755990.300 | 3650835.000 | 245.892 |
| 1021 | 1695 CR | Creosote | 1.3 | 2.2 | 755988.900 | 3650831.000 | 246.405 |
| 1022 | 1696 WB | White Burr Sage | 0.4 | 0.8 | 755986.900 | 3650834.000 | 245.697 |
| 1023 | 1697 WB | White Burr Sage | 0.4 | 0.8 | 755985.700 | 3650833.000 | 245.675 |
| 1024 | 1698 WB | White Burr Sage | 0.5 | 0.7 | 755984.000 | 3650832.000 | 245.657 |
| 1025 | 1699 WB | White Burr Sage | 0.4 | 0.6 | 755984.300 | 3650832.000 | 245.709 |

(Sheet 33 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1026 | 1700 CR | Creosote | 0.9 | 1.4 | 755986.600 | 3650829.000 | 246.326 |
| 1027 | 1701 CR | Creosote | 1.9 | 2.8 | 755981.900 | 3650827.000 | 246.252 |
| 1028 | 1702 WB | White Burr Sage | 0.4 | 0.7 | 755981.900 | 3650831.000 | 245.638 |
| 1029 | 1703 WB | White Burr Sage | 0.8 | 1.5 | 755979.800 | 3650830.000 | 245.588 |
| 1030 | 1704 WB | White Burr Sage | 0.6 | 1.1 | 755977.200 | 3650830.000 | 245.579 |
| 1031 | 1705 CR | Creosote | 0.9 | 0.8 | 755981.900 | 3650823.000 | 246.831 |
| 1032 | 1706 CR | Creosote | 0.8 | 1.1 | 755983.000 | 3650815.000 | 249.173 |
| 1033 | 1707 CR | Creosote | 1.6 | 2.3 | 755974.800 | 3650825.000 | 245.817 |
| 1034 | 1708 YP | Yellow Paloverde | 5.1 | 7.5 | 755972.900 | 3650828.000 | 245.556 |
| 1035 | 1709 CR | Creosote | 0.9 | 1.8 | 755973.700 | 3650828.000 | 245.673 |
| 1036 | 1710 CR | Creosote | 0.8 | 1.0 | 755973.400 | 3650827.000 | 245.624 |
| 1037 | 1711 CR | Creosote | 1.0 | 1.2 | 755972.900 | 3650827.000 | 245.606 |
| 1038 | 1712 DS | Brittle Bush | 0.4 | 0.9 | 755971.600 | 3650826.000 | 245.526 |
| 1039 | 1713 DS | Brittle Bush | 1.2 | 1.6 | 755968.900 | 3650831.000 | 245.402 |
| 1040 | 1716 DS | Brittle Bush | 1.1 | 1.3 | 755968.900 | 3650831.000 | 245.420 |
| 1041 | 1717 B3 | Green Bush??? | 1.0 | 1.6 | 755969.600 | 3650831.000 | 245.327 |
| 1042 | 1718 WB | White Burr Sage | 0.5 | 1.1 | 755971.300 | 3650834.000 | 245.472 |
| 1043 | 1719 B3 | Green Bush??? | 1.0 | 1.4 | 755972.200 | 3650833.000 | 245.492 |
| 1044 | 1720 B3 | Green Bush??? | 1.5 | 1.6 | 755972.400 | 3650830.000 | 245.147 |
| 1045 | 1721 B3 | Green Bush??? | 0.8 | 1.7 | 755973.600 | 3650829.000 | 245.611 |
| 1046 | 1722 CR | Creosote | 0.8 | 1.4 | 755974.200 | 3650828.000 | 245.598 |
| 1047 | 1723 CR | Creosote | 1.1 | 1.1 | 755973.900 | 3650821.000 | 246.194 |
| 1048 | 1724 CR | Creosote | 0.8 | 1.0 | 755972.300 | 3650817.000 | 246.430 |
| 1049 | 1725 CR | Creosote | 1.3 | 1.9 | 755971.100 | 3650819.000 | 246.153 |
| 1050 | 1726 CR | Creosote | 1.6 | 1.5 | 755965.000 | 3650816.000 | 245.521 |
| 1051 | 1727 CR | Creosote | 0.9 | 1.3 | 755963.700 | 3650812.000 | 245.856 |
| 1052 | 1728 DS | Brittle Bush | 0.5 | 0.9 | 755961.200 | 3650812.000 | 245.429 |
| 1053 | 1729 CR | Creosote | 0.9 | 1.2 | 755959.900 | 3650808.000 | 245.992 |
| 1054 | 1730 CR | Creosote | 1.3 | 2.8 | 755952.600 | 3650804.000 | 245.426 |
| 1055 | 1731 CR | Creosote | 1.6 | 2.5 | 755948.600 | 3650801.000 | 245.228 |
| 1056 | 1732 ST | Stump | 2.2 | 3.1 | 755932.900 | 3650797.000 | 245.061 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1057 | 1733 RB | Wolfberry | 1.6 | 1.3 | 755931.100 | 3650798.000 | 245.047 |
| 1058 | 1734 RB | Wolfberry | 1.0 | 0.9 | 755933.500 | 3650799.000 | 245.104 |
| 1059 | 1735 CR | Creosote | 1.4 | 2.0 | 755931.900 | 3650804.000 | 245.040 |
| 1060 | 1736 CR | Creosote | 1.5 | 1.9 | 755931.400 | 3650805.000 | 245.405 |
| 1061 | 1737 YP | Yellow Paloverde | 7.4 | 7.0 | 755937.600 | 3650807.000 | 245.085 |
| 1062 | 1738 CR | Creosote | 1.3 | 1.7 | 755937.900 | 3650804.000 | 245.215 |
| 1063 | 1739 CR | Creosote | 1.5 | 1.6 | 755938.800 | 3650804.000 | 245.306 |
| 1064 | 1740 WB | White Burr Sage | 0.6 | 0.6 | 755942.900 | 3650803.000 | 245.089 |
| 1065 | 1741 WB | White Burr Sage | 0.6 | 0.5 | 755942.600 | 3650804.000 | 245.111 |
| 1066 | 1742 WB | White Burr Sage | 0.7 | 1.3 | 755942.900 | 3650807.000 | 245.226 |
| 1067 | 1743 DS | Brittle Bush | 1.4 | 1.2 | 755937.900 | 3650809.000 | 245.225 |
| 1068 | 1744 CR | Creosote | 1.3 | 3.2 | 755941.000 | 3650812.000 | 245.195 |
| 1069 | 1745 CR | Creosote | 1.4 | 2.1 | 755941.500 | 3650812.000 | 245.216 |
| 1070 | 1746 WB | White Burr Sage | 0.5 | 0.8 | 755941.700 | 3650816.000 | 245.225 |
| 1071 | 1747 CR | Creosote | 1.0 | 1.3 | 755943.100 | 3650815.000 | 245.282 |
| 1072 | 1748 CR | Creosote | 1.0 | 1.5 | 755945.600 | 3650814.000 | 245.200 |
| 1073 | 1749 CR | Creosote | 2.0 | 2.9 | 755950.600 | 3650812.000 | 245.245 |
| 1074 | 1750 WB | White Burr Sage | 0.5 | 1.1 | 755952.300 | 3650815.000 | 245.233 |
| 1075 | 1751 YP | Yellow Paloverde | 3.4 | 3.7 | 755951.100 | 3650819.000 | 245.299 |
| 1076 | 1752 DS | Brittle Bush | 0.35 | 0.7 | 755951.600 | 3650817.000 | 245.113 |
| 1077 | 1753 DS | Brittle Bush | 0.4 | 0.3 | 755950.500 | 3650819.000 | 245.350 |
| 1078 | 1754 CR | Creosote | 1.8 | 3.0 | 755950.700 | 3650820.000 | 245.409 |
| 1079 | 1755 CR | Creosote | 2.0 | 3.0 | 755951.300 | 3650820.000 | 245.484 |
| 1080 | 1756 DS | Brittle Bush | 1.0 | 1.4 | 755952.400 | 3650820.000 | 245.164 |
| 1081 | 1757 DS | Brittle Bush | 0.5 | 1.1 | 755955.300 | 3650819.000 | 245.177 |
| 1082 | 1758 CR | Creosote | 2.0 | 3.1 | 755957.100 | 3650819.000 | 245.510 |
| 1083 | 1759 CR | Creosote | 1.7 | 1.7 | 755957.500 | 3650818.000 | 245.493 |
| 1084 | 1760 CR | Creosote | 1.8 | 1.5 | 755957.800 | 3650819.000 | 245.455 |
| 1085 | 1761 CC | Catclaw | 2.3 | 2.4 | 755959.100 | 3650823.000 | 245.089 |
| 1086 | 1762 B3 | Green Bush??? | 0.8 | 1.3 | 755958.000 | 3650823.000 | 245.250 |
| 1087 | 1763 RB | Wolfberry | 0.7 | 1.2 | 755958.100 | 3650826.000 | 245.337 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1088 | 1764 RB | Wolfberry | 0.9 | 1.1 | 755958.900 | 3650826.000 | 245.303 |
| 1089 | 1765 RB | Wolfberry | 1.3 | 1.3 | 755959.600 | 3650827.000 | 245.386 |
| 1090 | 1766 CR | Creosote | 0.8 | 1.5 | 755963.400 | 3650821.000 | 245.513 |
| 1091 | 1767 WB | White Burr Sage | 0.3 | 0.9 | 755961.900 | 3650822.000 | 245.456 |
| 1092 | 1768 WB | White Burr Sage | 0.3 | 0.7 | 755964.300 | 3650824.000 | 245.325 |
| 1093 | 1769 DS | Brittle Bush | 0.8 | 0.7 | 755964.900 | 3650824.000 | 245.315 |
| 1094 | 1770 B3 | Green Bush??? | 0.9 | 1.4 | 755964.600 | 3650825.000 | 245.303 |
| 1095 | 1771 B2 | Unidentified | 0.5 | 0.6 | 755963.600 | 3650826.000 | 245.257 |
| 1096 | 1772 ST | Stump | 1.7 | 1.1 | 755963.900 | 3650827.000 | 245.287 |
| 1097 | 1773 DS | Brittle Bush | 0.6 | 1.9 | 755964.200 | 3650827.000 | 245.357 |
| 1098 | 1774 WB | White Burr Sage | 0.5 | 0.8 | 755964.300 | 3650829.000 | 245.397 |
| 1099 | 1775 DS | Brittle Bush | 2.8 | 2.5 | 755965.100 | 3650829.000 | 245.395 |
| 1100 | 1776 RB | Wolfberry | 1.1 | 0.7 | 755965.200 | 3650829.000 | 245.431 |
| 1101 | 1777 RB | Wolfberry | 1.0 | 1.0 | 755965.100 | 3650831.000 | 245.396 |
| 1102 | 1778 WB | White Burr Sage | 0.4 | 0.5 | 755965.600 | 3650832.000 | 245.457 |
| 1103 | 1779 WB | White Burr Sage | 0.6 | 0.8 | 755965.900 | 3650833.000 | 245.522 |
| 1104 | 1780 CR | Creosote | 1.0 | 1.4 | 755969.100 | 3650836.000 | 245.735 |
| 1105 | 1781 CR | Creosote | 1.0 | 1.7 | 755970.400 | 3650837.000 | 245.758 |
| 1106 | 1782 CR | Creosote | 1.3 | 1.5 | 755975.800 | 3650837.000 | 245.673 |
| 1107 | 1783 CR | Creosote | 1.3 | 1.4 | 755976.800 | 3650837.000 | 245.735 |
| 1108 | 1784 CR | Creosote | 1.0 | 0.9 | 755976.600 | 3650837.000 | 245.786 |
| 1109 | 1785 CR | Creosote | 1.3 | 1.7 | 755977.000 | 3650836.000 | 245.751 |
| 1110 | 1786 CR | Creosote | 1.4 | 2.2 | 755976.400 | 3650836.000 | 245.703 |
| 1111 | 1787 CR | Creosote | 1.3 | 2.1 | 755982.800 | 3650838.000 | 245.839 |
| 1112 | 1788 CR | Creosote | 1.2 | 1.9 | 755984.300 | 3650838.000 | 245.702 |
| 1113 | 1789 DS | Brittle Bush | 0.9 | 1.1 | 755985.800 | 3650838.000 | 245.646 |
| 1114 | 1790 GP | Cholla | 0.9 | 0.8 | 755986.400 | 3650838.000 | 245.585 |
| 1115 | 1791 WB | White Burr Sage | 0.5 | 0.6 | 755991.100 | 3650839.000 | 245.808 |
| 1116 | 1792 WB | White Burr Sage | 0.6 | 0.7 | 755992.300 | 3650839.000 | 245.809 |
| 1117 | 1793 WB | White Burr Sage | 0.5 | 0.7 | 755994.500 | 3650841.000 | 245.752 |
| 1118 | 1794 CR | Creosote | 1.5 | 1.4 | 755992.900 | 3650843.000 | 245.811 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1119 | 1795 CR | Creosote | 1.5 | 1.2 | 755992.900 | 3650843.000 | 245.726 |
| 1120 | 1796 CR | Creosote | 1.3 | 1.4 | 755992.000 | 3650843.000 | 245.832 |
| 1121 | 1797 WB | White Burr Sage | 0.5 | 0.8 | 755993.900 | 3650846.000 | 245.831 |
| 1122 | 1798 WB | White Burr Sage | 0.4 | 0.4 | 755993.900 | 3650846.000 | 245.854 |
| 1123 | 1799 WB | White Burr Sage | 0.5 | 0.8 | 755995.100 | 3650849.000 | 245.919 |
| 1124 | 1800 WB | White Burr Sage | 0.6 | 1.4 | 755996.100 | 3650846.000 | 245.927 |
| 1125 | 1801 DS | Brittle Bush | 0.4 | 0.3 | 755934.200 | 3650811.000 | 245.946 |
| 1126 | 1802 WB | White Burr Sage | 0.5 | 1.0 | 755998.100 | 3650851.000 | 245.946 |
| 1127 | 1803 CR | Creosote | 1.4 | 2.5 | 755999.400 | 3650848.000 | 246.032 |
| 1128 | 1804 CR | Creosote | 0.9 | 1.8 | 756000.100 | 3650849.000 | 246.065 |
| 1129 | 1805 CR | Creosote | 1.1 | 2.1 | 756000.500 | 3650848.000 | 246.035 |
| 1130 | 1806 WB | White Burr Sage | 0.4 | 1.4 | 756000.900 | 3650845.000 | 245.863 |
| 1131 | 1807 CR | Creosote | 1.7 | 1.2 | 756001.100 | 3650843.000 | 245.930 |
| 1132 | 1808 CR | Creosote | 1.3 | 1.6 | 756007.100 | 3650851.000 | 246.023 |
| 1133 | 1809 CR | Creosote | 1.3 | 2.1 | 756006.300 | 3650852.000 | 246.047 |
| 1134 | 1810 CR | Creosote | 1.7 | 2.8 | 756007.600 | 3650852.000 | 246.104 |
| 1135 | 1811 WB | White Burr Sage | 0.4 | 0.7 | 756010.800 | 3650856.000 | 246.093 |
| 1136 | 1812 CR | Creosote | 0.8 | 0.9 | 756008.200 | 3650874.000 | 246.408 |
| 1137 | 1813 CR | Creosote | 0.6 | 0.9 | 756007.300 | 3650875.000 | 246.318 |
| 1138 | 1814 CR | Creosote | 0.6 | 0.9 | 756002.900 | 3650876.000 | 246.395 |
| 1139 | 1815 CR | Creosote | 0.6 | 1.1 | 75599.600 | 3650873.000 | 246.165 |
| 1140 | 1816 CR | Creosote | 1.0 | 1.2 | 755994.600 | 3650875.000 | 246.306 |
| 1141 | 1817 CR | Creosote | 0.6 | 1.1 | 755993.600 | 3650875.000 | 246.298 |
| 1142 | 1818 CR | Creosote | 0.5 | 0.5 | 755996.700 | 3650868.000 | 246.117 |
| 1143 | 1819 WB | White Burr Sage | 0.5 | 0.7 | 755993.300 | 3650870.000 | 246.147 |
| 1144 | 1820 CR | Creosote | 0.7 | 1.5 | 755989.000 | 3650872.000 | 246.151 |
| 1145 | 1821 CR | Creosote | 0.7 | 0.9 | 755986.600 | 3650869.000 | 246.114 |
| 1146 | 1822 WB | White Burr Sage | 0.4 | 0.4 | 755986.300 | 3650869.000 | 246.103 |
| 1147 | 1823 WB | White Burr Sage | 0.3 | 0.3 | 755985.800 | 3650870.000 | 246.086 |
| 1148 | 1824 CR | Creosote | 0.5 | 0.8 | 755983.300 | 3650870.000 | 246.208 |
| 1149 | 1825 CR | Creosote | 0.6 | 0.9 | 755985.500 | 3650864.000 | 246.007 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1150 | 1826 CR | Creosote | 0.9 | 1.7 | 755987.900 | 3650865.000 | 246.093 |
| 1151 | 1827 CR | Creosote | 0.6 | 1.0 | 755988.400 | 3650864.000 | 246.104 |
| 1152 | 1828 CR | Creosote | 1.2 | 1.4 | 755986.200 | 3650859.000 | 245.920 |
| 1153 | 1829 CR | Creosote | 1.3 | 1.0 | 755986.400 | 3650858.000 | 245.997 |
| 1154 | 1830 CR | Creosote | 1.1 | 1.2 | 755986.100 | 3650857.000 | 245.926 |
| 1155 | 1831 CR | Creosote | 0.8 | 1.0 | 755995.300 | 3650858.000 | 246.072 |
| 1156 | 1832 CR | Creosote | 0.5 | 1.3 | 755993.800 | 3650855.000 | 246.074 |
| 1157 | 1833 CR | Creosote | 0.8 | 1.4 | 755992.600 | 3650850.000 | 245.997 |
| 1158 | 1834 CR | Creosote | 1.3 | 1.7 | 755986.400 | 3650850.000 | 245.979 |
| 1159 | 1835 CR | Creosote | 0.6 | 1.1 | 755980.000 | 3650850.000 | 245.836 |
| 1160 | 1836 CR | Creosote | 0.5 | 0.7 | 755979.100 | 3650850.000 | 245.864 |
| 1161 | 1837 CR | Creosote | 0.7 | 1.1 | 755979.100 | 3650850.000 | 245.881 |
| 1162 | 1838 CR | Creosote | 1.1 | 1.5 | 755979.600 | 3650850.000 | 245.871 |
| 1163 | 1839 WB | White Burr Sage | 0.3 | 0.6 | 755976.900 | 3650846.000 | 245.723 |
| 1164 | 1840 WB | White Burr Sage | 0.5 | 0.9 | 755978.900 | 3650846.000 | 245.666 |
| 1165 | 1841 WB | White Burr Sage | 0.5 | 1.2 | 755976.600 | 3650845.000 | 245.725 |
| 1166 | 1842 WB | White Burr Sage | 0.5 | 0.5 | 755975.800 | 3650845.000 | 245.695 |
| 1167 | 1843 WB | White Burr Sage | 0.5 | 0.6 | 755975.600 | 3650844.000 | 245.692 |
| 1168 | 1844 CR | Creosote | 0.9 | 1.3 | 755973.700 | 3650843.000 | 245.660 |
| 1169 | 1845 CR | Creosote | 1.0 | 1.4 | 755974.100 | 3650842.000 | 245.618 |
| 1170 | 1846 DS | Brittle Bush | 0.5 | 0.4 | 755976.200 | 3650841.000 | 245.625 |
| 1171 | 1847 CR | Creosote | 0.4 | 0.9 | 755971.400 | 3650847.000 | 245.834 |
| 1172 | 1848 CR | Creosote | 1.0 | 1.9 | 755967.700 | 3650851.000 | 245.798 |
| 1173 | 1849 CR | Creosote | 0.6 | 1.2 | 755965.400 | 3650850.000 | 245.832 |
| 1174 | 1850 CR | Creosote | 1.2 | 1.4 | 755964.700 | 3650847.000 | 245.892 |
| 1175 | 1851 CR | Creosote | 1.3 | 1.9 | 755965.300 | 3650842.000 | 245.700 |
| 1176 | 1852 WB | White Burr Sage | 0.3 | 0.5 | 755966.900 | 3650839.000 | 245.533 |
| 1177 | 1853 CR | Creosote | 1.7 | 2.7 | 755965.100 | 3650838.000 | 245.623 |
| 1178 | 1854 CR | Creosote | 0.6 | 0.6 | 755955.300 | 3650833.000 | 245.625 |
| 1179 | 1855 CR | Creosote | 0.8 | 0.9 | 755953.900 | 3650834.000 | 245.629 |
| 1180 | 1856 CR | Creosote | 0.9 | 1.2 | 755953.800 | 3650832.000 | 245.619 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1181 | 1857 CR | Creosote | 0.7 | 0.7 | 755951.900 | 3650831.000 | 245.643 |
| 1182 | 1858 CR | Creosote | 1.3 | 1.6 | 755953.200 | 3650826.000 | 245.581 |
| 1183 | 1859 CR | Creosote | 1.4 | 0.9 | 755954.900 | 3650825.000 | 245.335 |
| 1184 | 1860 CR | Creosote | 1.5 | 2.3 | 755949.400 | 3650824.000 | 245.536 |
| 1185 | 1861 CR | Creosote | 1.3 | 1.5 | 755945.300 | 3650830.000 | 245.619 |
| 1186 | 1862 CR | Creosote | 0.8 | 1.2 | 755942.300 | 3650823.000 | 245.362 |
| 1187 | 1863 CR | Creosote | 0.7 | 1.6 | 755941.800 | 3650822.000 | 245.345 |
| 1188 | 1864 CR | Creosote | 0.7 | 1.6 | 755935.800 | 3650821.000 | 245.474 |
| 1189 | 1865 CR | Creosote | 0.8 | 1.0 | 755933.800 | 3650817.000 | 245.360 |
| 1190 | 1866 CR | Creosote | 0.8 | 1.6 | 755919.600 | 3650811.000 | 245.415 |
| 1191 | 1867 YP | Yellow Paloverde | 5.5 | 6.2 | 755917.000 | 3650810.000 | 245.202 |
| 1192 | 1868 CR | Creosote | 0.7 | 0.7 | 755913.200 | 3650803.000 | 245.088 |
| 1193 | 1869 CR | Creosote | 1.1 | 1.6 | 755910.100 | 3650809.000 | 245.262 |
| 1194 | 1870 CR | Creosote | 0.6 | 0.9 | 755906.100 | 3650807.000 | 245.074 |
| 1195 | 1871 CR | Creosote | 0.8 | 1.0 | 755906.000 | 3650806.000 | 245.133 |
| 1196 | 1872 CR | Creosote | 0.7 | 1.0 | 755905.400 | 3650804.000 | 245.067 |
| 1197 | 1873 CR | Creosote | 0.7 | 1.2 | 755904.600 | 3650803.000 | 244.965 |
| 1198 | 1874 CR | Creosote | 1.0 | 1.9 | 755901.600 | 3650799.000 | 244.803 |
| 1199 | 1875 CR | Creosote | 0.7 | 1.1 | 755904.400 | 3650799.000 | 244.984 |
| 1200 | 1876 CR | Creosote | 0.8 | 2.36 | 755904.300 | 3650797.000 | 244.933 |
| 1201 | 1877 CR | Creosote | 0.9 | 1.5 | 755904.800 | 3650798.000 | 244.987 |
| 1202 | 1878 CR | Creosote | 1.0 | 1.6 | 755894.400 | 3650797.000 | 244.971 |
| 1203 | 1879 CR | Creosote | 1.2 | 1.3 | 755894.300 | 3650795.000 | 244.971 |
| 1204 | 1880 CR | Creosote | 1.2 | 1.5 | 755892.500 | 3650797.000 | 244.983 |
| 1205 | 1881 CR | Creosote | 1.3 | 1.7 | 755892.700 | 3650797.000 | 245.024 |
| 1206 | 1882 CR | Creosote | 1.0 | 1.0 | 755900.300 | 3650804.000 | 244.927 |
| 1207 | 1884 WB | White Burr Sage | 0.3 | 0.5 | 755900.300 | 3650805.000 | 244.888 |
| 1208 | 1885 CR | Creosote | 0.9 | 1.4 | 755902.100 | 3650810.000 | 245.165 |
| 1209 | 1886 CR | Creosote | 0.9 | 1.2 | 755901.800 | 3650811.000 | 245.105 |
| 1210 | 1887 CR | Creosote | 0.8 | 0.9 | 755902.900 | 3650812.000 | 245.263 |
| 1211 | 1888 CR | Creosote | 1.2 | 1.5 | 755902.800 | 3650813.000 | 245.247 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1212 | 1889 CR | Creosote | 0.4 | 0.7 | 755906.200 | 3650812.000 | 245.068 |
| 1213 | 1890 CR | Creosote | 0.9 | 2.1 | 755908.800 | 3650814.000 | 245.128 |
| 1214 | 1891 CR | Creosote | 1.0 | 1.5 | 755912.100 | 3650821.000 | 245.254 |
| 1215 | 1892 CR | Creosote | 1.2 | 1.8 | 755913.100 | 3650823.000 | 245.331 |
| 1216 | 1893 CR | Creosote | 0.9 | 0.9 | 755913.400 | 3650827.000 | 245.396 |
| 1217 | 1894 CR | Creosote | 0.6 | 1.5 | 755921.700 | 3650820.000 | 245.426 |
| 1218 | 1895 CR | Creosote | 0.8 | 1.8 | 755933.800 | 3650829.000 | 245.568 |
| 1219 | 1896 CR | Creosote | 0.8 | 1.5 | 755937.000 | 3650831.000 | 245.622 |
| 1220 | 1897 WB | White Burr Sage | 0.3 | 0.8 | 755932.600 | 3650833.000 | 245.885 |
| 1221 | 1898 CR | Creosote | 1.3 | 3.1 | 755935.600 | 3650835.000 | 245.644 |
| 1222 | 1899 CR | Creosote | 0.7 | 1.1 | 755940.300 | 3650833.000 | 245.661 |
| 1223 | 1900 CR | Creosote | 0.7 | 1.3 | 755938.800 | 3650838.000 | 245.629 |
| 1224 | 1901 CR | Creosote | 0.8 | 1.2 | 755944.000 | 3650836.000 | 245.646 |
| 1225 | 1902 CR | Creosote | 1.0 | 1.6 | 755934.600 | 3650845.000 | 245.791 |
| 1226 | 1903 CR | Creosote | 0.7 | 0.9 | 755938.400 | 3650852.000 | 245.878 |
| 1227 | 1904 CR | Creosote | 0.9 | 1.0 | 755940.500 | 3650854.000 | 245.848 |
| 1228 | 1905 CR | Creosote | 0.7 | 1.0 | 755943.100 | 3650850.000 | 245.871 |
| 1229 | 1906 CR | Creosote | 1.1 | 1.7 | 755952.400 | 3650848.000 | 245.943 |
| 1230 | 1907 CR | Creosote | 1.4 | 2.4 | 755956.900 | 3650866.000 | 246.107 |
| 1231 | 1908 CR | Creosote | 1.4 | 1.4 | 755966.900 | 3650872.000 | 246.152 |
| 1232 | 1909 CR | Creosote | 0.5 | 1.4 | 755966.400 | 3650869.000 | 246.152 |
| 1233 | 1910 CR | Creosote | 1.2 | 2.6 | 755967.500 | 3650865.000 | 246.025 |
| 1234 | 1911 CR | Creosote | 1.1 | 1.3 | 755975.100 | 3650870.000 | 246.148 |
| 1235 | 1912 CR | Creosote | 1.0 | 1.5 | 755974.600 | 3650871.000 | 246.186 |
| 1236 | 1913 CR | Creosote | 1.5 | 2.0 | 755980.100 | 3650879.000 | 246.323 |
| 1237 | 1914 CR | Creosote | 1.2 | 1.0 | 755983.500 | 3650879.000 | 246.332 |
| 1238 | 1915 CR | Creosote | 0.7 | 1.4 | 755956.400 | 3650878.000 | 246.193 |
| 1239 | 1916 CR | Creosote | 0.6 | 1.2 | 755955.100 | 3650874.000 | 246.143 |
| 1240 | 1917 CR | Creosote | 0.6 | 1.2 | 755954.800 | 3650874.000 | 246.117 |
| 1241 | 1918 CR | Creosote | 0.7 | 1.6 | 755947.800 | 3650883.000 | 246.186 |
| 1242 | 1919 CR | Creosote | 0.9 | 0.7 | 755948.800 | 3650880.000 | 246.353 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1243 | 1920 CR | Creosote | 0.5 | 0.5 | 755947.800 | 3650879.000 | 246.271 |
| 1244 | 1921 CR | Creosote | 0.7 | 1.0 | 755946.300 | 3650868.000 | 246.030 |
| 1245 | 1922 CR | Creosote | 0.7 | 1.0 | 755943.900 | 3650869.000 | 246.066 |
| 1246 | 1923 CR | Creosote | 0.8 | 1.2 | 755942.700 | 3650886.000 | 246.164 |
| 1247 | 1924 WB | White Burr Sage | 0.5 | 1.0 | 755940.900 | 3650882.000 | 246.111 |
| 1248 | 1925 CR | Creosote | 1.0 | 1.3 | 755934.900 | 3650884.000 | 246.199 |
| 1249 | 1926 WB | White Burr Sage | 0.4 | 1.1 | 755934.400 | 3650878.000 | 245.867 |
| 1250 | 1927 CR | Creosote | 0.7 | 1.2 | 755940.100 | 3650878.000 | 246.035 |
| 1251 | 1928 CR | Creosote | 0.8 | 1.8 | 755939.400 | 3650878.000 | 246.032 |
| 1252 | 1929 CR | Creosote | 0.5 | 1.1 | 755939.300 | 3650875.000 | 246.078 |
| 1253 | 1930 CR | Creosote | 0.6 | 1.3 | 755937.300 | 3650872.000 | 246.112 |
| 1254 | 1931 CR | Creosote | 1.1 | 1.7 | 755933.800 | 3650874.000 | 246.016 |
| 1255 | 1932 CR | Creosote | 1.0 | 1.4 | 755931.700 | 3650875.000 | 245.746 |
| 1256 | 1933 WB | White Burr Sage | 0.5 | 0.9 | 755931.500 | 3650874.000 | 245.817 |
| 1257 | 1934 YP | Yellow Paloverde | 3.1 | 4.1 | 755929.900 | 3650872.000 | 245.808 |
| 1258 | 1935 GP | Cholla | 0.4 | 0.8 | 755930.900 | 3650868.000 | 245.847 |
| 1259 | 1961 CR | Creosote | 1.0 | 1.4 | 755930.200 | 3650867.000 | 245.900 |
| 1260 | 1962 CR | Creosote | 0.9 | 1.4 | 755929.600 | 3650866.000 | 245.915 |
| 1261 | 1963 CR | Creosote | 0.5 | 1.9 | 755925.600 | 3650875.000 | 246.224 |
| 1262 | 1964 CR | Creosote | 0.5 | 0.9 | 755925.800 | 3650888.000 | 356.061 |
| 1263 | 1965 CR | Creosote | 1.4 | 2.0 | 755917.900 | 3650893.000 | 246.098 |
| 1264 | 1966 CR | Creosote | 1.1 | 1.6 | 755916.700 | 3650893.000 | 246.080 |
| 1265 | 1967 CR | Creosote | 0.9 | 2.4 | 755915.300 | 3650885.000 | 245.992 |
| 1266 | 1968 CR | Creosote | 1.0 | 1.9 | 755911.600 | 3650885.000 | 245.953 |
| 1267 | 1969 CR | Creosote | 0.7 | 1.1 | 755910.400 | 3650878.000 | 246.001 |
| 1268 | 1970 CR | Creosote | 1.0 | 1.8 | 755920.900 | 3650866.000 | 245.778 |
| 1269 | 1971 CR | Creosote | 1.0 | 1.7 | 755922.400 | 3650871.000 | 245.928 |
| 1270 | 1972 CR | Creosote | 1.1 | 2.3 | 755925.100 | 3650867.00 | 245.889 |
| 1271 | 1973 CR | Creosote | 1.0 | 1.8 | 755920.900 | 3650866.000 | 245.778 |
| 1272 | 1974 CR | Creosote | 0.8 | 1.5 | 755921.600 | 3650862.000 | 245.681 |
| 1273 | 1975 CR | Creosote | 0.9 | 1.0 | 755918.900 | 3650862.000 | 245.774 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1274 | 1976 CR | Creosote | 1.2 | 1.3 | 755918.300 | 3650860.000 | 245.778 |
| 1275 | 1977 CR | Creosote | 1.0 | 1.8 | 755921.400 | 3650859.000 | 245.527 |
| 1276 | 1978 CR | Creosote | 0.5 | 0.9 | 755927.500 | 3650862.000 | 245.790 |
| 1277 | 1979 CR | Creosote | 1.0 | 1.3 | 755924.500 | 3650857.000 | 245.717 |
| 1278 | 1980 CR | Creosote | 0.9 | 1.5 | 755923.700 | 3650854.000 | 245.683 |
| 1279 | 1981 CR | Creosote | 0.7 | 1.2 | 755920.300 | 3650856.000 | 245.605 |
| 1280 | 1982 CR | Creosote | 0.7 | 1.5 | 755920.800 | 3650854.000 | 245.549 |
| 1281 | 1983 CR | Creosote | 1.4 | 2.1 | 755923.400 | 3650851.000 | 245.633 |
| 1282 | 1984 CR | Creosote | 1.9 | 3.6 | 755926.000 | 3650845.000 | 245.732 |
| 1283 | 1985 CR | Creosote | 1.2 | 1.3 | 755921.400 | 3650846.000 | 245.616 |
| 1284 | 1986 CR | Creosote | 0.7 | 1.4 | 755919.200 | 3650850.00 | 245.589 |
| 1285 | 1987 CR | Creosote | 1.0 | 2.0 | 755915.600 | 3650848.000 | 245.554 |
| 1286 | 1988 CR | Creosote | 1.4 | 2.5 | 755917.700 | 3650845.000 | 245.502 |
| 1287 | 1989 GP | Cholla | 0.3 | 2.3 | 755918.400 | 3650843.000 | 245.313 |
| 1288 | 1990 CR | Creosote | 1.7 | 1.8 | 755920.100 | 3650843.000 | 245.483 |
| 1289 | 1991 CR | Creosote | 0.9 | 1.7 | 755920.500 | 3650841.000 | 245.649 |
| 1290 | 1992 CR | Creosote | 1.9 | 2.2 | 755920.000 | 3650839.000 | 245.591 |
| 1291 | 1993 CR | Creosote | 0.8 | 2.0 | 755911.800 | 3650843.000 | 245.511 |
| 1292 | 1994 CR | Creosote | 1.0 | 1.6 | 755911.500 | 3650840.000 | 245.473 |
| 1293 | 1995 CR | Creosote | 0.9 | 1.0 | 755913.300 | 3650841.000 | 245.384 |
| 1294 | 1996 CR | Creosote | 0.9 | 1.5 | 755912.900 | 3650838.000 | 245.341 |
| 1295 | 1997 CR | Creosote | 0.6 | 0.9 | 755911.800 | 3650836.000 | 245.293 |
| 1296 | 1998 CR | Creosote | 0.8 | 1.2 | 755909.600 | 3650835.000 | 245.324 |
| 1297 | 1999 CR | Creosote | 0.9 | 1.4 | 755909.400 | 3650834.000 | 245.294 |
| 1298 | 2000 CR | Creosote | 1.0 | 1.2 | 755913.100 | 3650832.000 | 245.262 |
| 1299 | 850 DS | Brittle Bush | 0.9 | 1.3 | 756418.900 | 3650872.000 | 250.333 |
| 1300 | 851 CR | Creosote | 1.0 | 1.9 | 756419.300 | 3650875.000 | 250.577 |
| 1301 | 852 GB | Grey Bush??? | 0.5 | 1.1 | 756421.100 | 3650878.000 | 250.453 |
| 1302 | 853 WB | White Burr Sage | 0.5 | 0.8 | 756421.600 | 3650879.000 | 250.436 |
| 1303 | 854 CR | Creosote | 1.1 | 2.4 | 756423.900 | 3650882.000 | 250.578 |
| 1304 | 855 WB | White Burr Sage | 0.6 | 1.0 | 756424.700 | 3650882.000 | 250.541 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1305 | 856 WB | White Burr Sage | 0.5 | 0.8 | 756426.000 | 3650883.000 | 250.603 |
| 1306 | 857 GB | Grey Bush??? | 0.6 | 1.0 | 756426.100 | 3650883.000 | 250.488 |
| 1307 | 858 WB | White Burr Sage | 0.4 | 0.7 | 756425.600 | 3650885.000 | 250.623 |
| 1308 | 859 WB | White Burr Sage | 0.5 | 0.9 | 756428.600 | 3650885.000 | 250.621 |
| 1309 | 860 WB | White Burr Sage | 0.4 | 0.7 | 756427.100 | 3650887.000 | 250.674 |
| 1310 | 861 CR | Creosote | 1.2 | 1.7 | 756426.000 | 3650888.000 | 250.785 |
| 1311 | 862 WB | White Burr Sage | 0.4 | 0.6 | 756426.600 | 3650890.000 | 250.826 |
| 1312 | 863 WB | White Burr Sage | 0.4 | 0.6 | 756424.300 | 3650891.000 | 250.853 |
| 1313 | 864 WB | White Burr Sage | 0.5 | 0.6 | 756426.900 | 3650892.000 | 250.868 |
| 1314 | 865 WB | White Burr Sage | 0.4 | 0.8 | 756398.100 | 3650885.000 | 250.706 |
| 1315 | 866 WB | White Burr Sage | 0.4 | 0.6 | 756396.000 | 3650882.000 | 250.693 |
| 1316 | 867 CR | Creosote | 1.0 | 1.5 | 756391.300 | 3650882.000 | 250.720 |
| 1317 | 868 OC | Octilla | 4.1 | 1.2 | 756431.600 | 3650889.000 | 250.591 |
| 1318 | 869 WB | White Burr Sage | 0.6 | 1.0 | 756431.600 | 3650889.000 | 250.604 |
| 1319 | 870 CR | Creosote | 1.0 | 1.9 | 756431.900 | 3650889.000 | 250.616 |
| 1320 | 871 WB | White Burr Sage | 0.5 | 0.9 | 756432.600 | 3650886.000 | 250.676 |
| 1321 | 872 CR | Creosote | 0.8 | 1.3 | 756435.300 | 3650885.000 | 250.894 |
| 1322 | 873 CR | Creosote | 1.1 | 2.0 | 756436.500 | 3650889.000 | 250.824 |
| 1323 | 874 CR | Creosote | 1.0 | 1.4 | 756427.400 | 3650880.000 | 250.591 |
| 1324 | 875 CR | Creosote | 1.4 | 1.8 | 756425.100 | 3650878.000 | 250.559 |
| 1325 | 876 CR | Creosote | 1.2 | 1.2 | 756424.300 | 3650877.000 | 250.514 |
| 1326 | 877 WB | White Burr Sage | 0.5 | 0.7 | 756423.800 | 3650877.000 | 250.462 |
| 1327 | 878 CR | Creosote | 1.0 | 1.3 | 756423.100 | 3650872.000 | 250.415 |
| 1328 | 879 DS | Brittle Bush | 1.0 | 1.2 | 756417.300 | 3650844.000 | 250.048 |
| 1329 | 880 CR | Creosote | 0.9 | 1.4 | 756420.100 | 3650844.000 | 250.365 |
| 1330 | 881 CR | Creosote | 1.1 | 2.1 | 756423.700 | 3650845.000 | 250.449 |
| 1331 | 882 DS | Brittle Bush | 0.5 | 0.8 | 756422.800 | 3650847.000 | 250.110 |
| 1332 | 883 WB | White Burr Sage | 0.4 | 0.7 | 756424.000 | 3650848.000 | 250.185 |
| 1333 | 884 CR | Creosote | 0.8 | 1.0 | 756427.600 | 3650848.000 | 250.408 |
| 1334 | 885 CR | Creosote | 1.0 | 1.4 | 756427.300 | 3650849.000 | 250.487 |
| 1335 | 886 CC | Catclaw | 3.3 | 4.3 | 756425.900 | 3650850.000 | 250.233 |

(Sheet 43 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1336 | 887 RB | Wolfberry | 1.0 | 1.3 | 756428.000 | 3650852.000 | 250.315 |
| 1337 | 888 DS | Brittle Bush | 0.6 | 0.8 | 756428.100 | 3650852.000 | 250.387 |
| 1338 | 889 CR | Creosote | 0.6 | 0.9 | 756430.800 | 3650851.000 | 250.633 |
| 1339 | 890 WB | White Burr Sage | 0.4 | 0.5 | 756431.400 | 3650848.000 | 250.463 |
| 1340 | 891 CR | Creosote | 1.6 | 2.7 | 756430.600 | 3650854.000 | 250.441 |
| 1341 | 892 WB | White Burr Sage | 0.5 | 0.8 | 756433.400 | 3650856.000 | 250.427 |
| 1342 | 893 CR | Creosote | 1.2 | 2.4 | 756437.400 | 3650860.000 | 250.803 |
| 1343 | 894 CR | Creosote | 1.1 | 1.6 | 756437.700 | 3650861.000 | 250.773 |
| 1344 | 895 CR | Creosote | 1.3 | 2.2 | 756437.400 | 3650862.000 | 250.665 |
| 1345 | 896 CR | Creosote | 1.2 | 2.7 | 756442.600 | 3650867.000 | 250.749 |
| 1346 | 897 WB | White Burr Sage | 0.5 | 0.9 | 756445.000 | 3650870.000 | 250.497 |
| 1347 | 898 CR | Creosote | 1.5 | 1.1 | 756445.700 | 3650870.000 | 250.553 |
| 1348 | 899 WB | White Burr Sage | 0.5 | 0.9 | 756446.100 | 3650870.000 | 250.548 |
| 1349 | 900 CR | Creosote | 0.9 | 14 | 756447.400 | 3650869.000 | 250.863 |
| 1350 | 901 CR | Creosote | 0.9 | 1.3 | 756448.300 | 3650869.000 | 250.980 |
| 1351 | 902 CR | Creosote | 0.8 | 1.3 | 756450.600 | 3650870.000 | 250.813 |
| 1352 | 903 YP | Yellow Paloverde | 3.7 | 4.4 | 756448.900 | 3650872.000 | 250.635 |
| 1353 | 904 RB | Wolfberry | 1.8 | 1.8 | 756450.800 | 3650873.000 | 250.666 |
| 1354 | 905 DS | Brittle Bush | 0.8 | 1.5 | 756449.000 | 3650871.000 | 250.646 |
| 1355 | 906 DS | Brittle Bush | 0.7 | 0.8 | 756450.600 | 3650875.000 | 250.503 |
| 1356 | 908 DS | Brittle Bush | 0.6 | 0.9 | 756451.300 | 3650876.000 | 250.621 |
| 1357 | 909 B2 | Unidentified | 0.7 | 1.2 | 756449.800 | 3650877.000 | 250.603 |
| 1358 | 910 DS | Brittle Bush | 0.7 | 1.1 | 756448.500 | 3650876.000 | 250.663 |
| 1359 | 911 DS | Brittle Bush | 0.9 | 1.1 | 756447.900 | 3650875.000 | 250.592 |
| 1360 | 912 WB | White Burr Sage | 0.3 | 0.8 | 756447.900 | 3650876.000 | 250.742 |
| 1361 | 913 DS | Brittle Bush | 0.6 | 0.9 | 756453.100 | 3650874.000 | 250.456 |
| 1362 | 914 DS | Brittle Bush | 0.7 | 1.0 | 756453.800 | 3650874.000 | 250.667 |
| 1363 | 915 CR | Creosote | 1.4 | 1.9 | 756453.000 | 3650873.000 | 250.751 |
| 1364 | 916 CR | Creosote | 1.3 | 1.9 | 756446.800 | 3650875.000 | 250.828 |
| 1365 | 917 DS | Brittle Bush | 1.0 | 1.5 | 756446.300 | 3650875.000 | 250.795 |
| 1366 | 918 DS | Brittle Bush | 04 | 0.5 | 756444.400 | 3650873.000 | 250.596 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1367 | 919 WB | White Burr Sage | 0.5 | 0.7 | 756443.900 | 3650873.000 | 250.615 |
| 1368 | 920 WB | White Burr Sage | 0.4 | 0.9 | 756443.800 | 3650872.000 | 250.431 |
| 1369 | 921 DS | Brittle Bush | 0.8 | 1.0 | 756443.300 | 3650872.000 | 250.525 |
| 1370 | 922 WB | White Burr Sage | 0.5 | 1.0 | 756441.900 | 3650872.000 | 250.553 |
| 1371 | 923 WB | White Burr Sage | 0.5 | 0.8 | 756440.800 | 3650871.000 | 250.513 |
| 1372 | 924 DS | Brittle Bush | 0.8 | 1.1 | 756440.400 | 3650871.000 | 250.483 |
| 1373 | 925 WB | White Burr Sage | 0.5 | 0.8 | 756440.100 | 3650870.000 | 250.502 |
| 1374 | 926 CC | Catclaw | 4.3 | 3.5 | 756438.100 | 3650869.000 | 250.458 |
| 1375 | 927 WB | White Burr Sage | 0.5 | 1.0 | 756438.000 | 3650869.000 | 250.451 |
| 1376 | 928 CR | Creosote | 1.1 | 1.5 | 756436.100 | 3650868.000 | 250.536 |
| 1377 | 929 CR | Creosote | 1.0 | 2.1 | 756434.800 | 3650870.000 | 250.761 |
| 1378 | 930 CR | Creosote | 1.0 | 1.2 | 756434.900 | 3650871.000 | 250.830 |
| 1379 | 931 CR | Creosote | 1.1 | 1.9 | 756439.900 | 3650874.000 | 250.779 |
| 1380 | 932 CR | Creosote | 0.9 | 1.5 | 756441.000 | 3650878.000 | 250.950 |
| 1381 | 933 CR | Creosote | 0.6 | 0.8 | 756441.200 | 3650884.000 | 250.992 |
| 1382 | 934 OC | Octilla | 2.8 | 1.9 | 756444.800 | 3650885.000 | 250.909 |
| 1383 | 935 CR | Creosote | 1.1 | 1.7 | 756447.100 | 3650888.000 | 251.026 |
| 1384 | 936 DS | Brittle Bush | 0.8 | 1.2 | 756434.000 | 3650864.000 | 250.272 |
| 1385 | 937 CR | Creosote | 1.3 | 2.7 | 756434.200 | 3650865.000 | 250.411 |
| 1386 | 938 WB | White Burr Sage | 0.4 | 1.0 | 756432.500 | 3650863.000 | 250.348 |
| 1387 | 939 DS | Brittle Bush | 0.8 | 1.3 | 756430.000 | 3650861.000 | 250.322 |
| 1388 | 940 DS | Brittle Bush | 0.5 | 1.1 | 756428.300 | 3650859.000 | 250.282 |
| 1389 | 941 CR | Creosote | 1.4 | 2.0 | 756425.600 | 3650855.000 | 250.331 |
| 1390 | 942 WB | White Burr Sage | 0.6 | 1.0 | 756424.800 | 3650853.000 | 250.212 |
| 1391 | 943 WB | White Burr Sage | 0.4 | 0.6 | 756424.600 | 3650852.000 | 250.139 |
| 1392 | 944 WB | White Burr Sage | 0.5 | 0.9 | 756422.500 | 3650850.000 | 250.118 |
| 1393 | 945 CR | Creosote | 1.1 | 0.8 | 756420.500 | 3650852.000 | 250.464 |
| 1394 | 946 CR | Creosote | 1.6 | 1.2 | 756420.800 | 3650850.000 | 250.285 |
| 1395 | 947 CR | Creosote | 2.0 | 1.5 | 756419.800 | 3650850.000 | 250.285 |
| 1396 | 948 CR | Creosote | 1.4 | 1.4 | 756420.300 | 3650849.000 | 250.191 |
| 1397 | 949 WB | White Burr Sage | 0.5 | 1.5 | 756420.200 | 3650849.000 | 250.191 |

(Sheet 45 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1398 | 950 CR | Creosote | 1.3 | 1.5 | 756439.700 | 3650891.000 | 250.784 |
| 1399 | 951 WB | White Burr Sage | 0.4 | 0.8 | 756436.300 | 3650891.000 | 250.693 |
| 1400 | 952 GP | Cholla | 0.7 | 1.2 | 756453.100 | 3650892.000 | 250.909 |
| 1401 | 953 CR | Creosote | 0.8 | 1.3 | 756456.400 | 3650890.000 | 250.950 |
| 1402 | 954 GB | Grey Bush??? | 0.5 | 0.8 | 756455.900 | 3650889.000 | 250.897 |
| 1403 | 955 CR | Creosote | 0.6 | 1.1 | 756457.400 | 3650890.000 | 250.951 |
| 1404 | 956 CR | Creosote | 0.8 | 1.1 | 756454.900 | 3650895.000 | 250.925 |
| 1405 | 957 GB | Grey Bush??? | 0.6 | 1.6 | 756455.900 | 3650895.000 | 251.019 |
| 1406 | 958 CR | Creosote | 0.7 | 0.8 | 756466.500 | 3650897.000 | 251.111 |
| 1407 | 959 WB | White Burr Sage | 0.5 | 0.8 | 756467.600 | 3650897.000 | 250.988 |
| 1408 | 960 CR | Creosote | 1.5 | 1.9 | 756467.400 | 3650894.000 | 250.903 |
| 1409 | 961 WB | White Burr Sage | 0.6 | 0.8 | 756467.300 | 3650894.000 | 250.943 |
| 1410 | 962 WB | White Burr Sage | 0.6 | 0.8 | 756469.600 | 3650894.000 | 250.907 |
| 1411 | 963 CR | Creosote | 1.2 | 1.5 | 756470.900 | 3650894.000 | 251.140 |
| 1412 | 964 CR | Creosote | 1.1 | 1.6 | 756471.300 | 3650895.000 | 251.133 |
| 1413 | 965 YP | Yellow Paloverde | 4.3 | 4.3 | 756476.600 | 3650893.000 | 250.857 |
| 1414 | 966 WB | White Burr Sage | 0.5 | 0.7 | 756464.100 | 3650861.000 | 250.825 |
| 1415 | 969 DS | Brittle Bush | 1.0 | 1.1 | 756475.900 | 3650893.000 | 250.856 |
| 1416 | 970 DS | Brittle Bush | 0.4 | 1.0 | 756479.600 | 3650892.000 | 250.907 |
| 1417 | 971 WB | White Burr Sage | 0.4 | 0.9 | 756481.100 | 3650892.000 | 251.007 |
| 1418 | 972 DS | Brittle Bush | 0.9 | 1.2 | 756480.600 | 3650895.000 | 250.994 |
| 1419 | 973 CR | Creosote | 1.0 | 1.9 | 756481.000 | 3650895.000 | 251.063 |
| 1420 | 974 CC | Catclaw | 3.8 | 5.0 | 756484.900 | 3650893.000 | 250.919 |
| 1421 | 975 DS | Brittle Bush | 0.9 | 1.7 | 756484.300 | 3650893.000 | 251.002 |
| 1422 | 976 DS | Brittle Bush | 0.5 | 0.7 | 756485.400 | 3650893.000 | 251.067 |
| 1423 | 977 DS | Brittle Bush | 0.6 | 1.0 | 756485.900 | 3650895.000 | 250.757 |
| 1424 | 978 CR | Creosote | 1.1 | 1.8 | 756486.200 | 3650895.000 | 251.047 |
| 1425 | 979 GP | Cholla | 0.9 | 0.7 | 756486.900 | 3650895.000 | 250.893 |
| 1426 | 980 WB | White Burr Sage | 0.4 | 0.6 | 756488.800 | 3650893.000 | 251.119 |
| 1427 | 981 WB | White Burr Sage | 0.4 | 0.6 | 756489.100 | 3650892.000 | 251.222 |
| 1428 | 982 CR | Creosote | 0.7 | 1.1 | 756491.300 | 3650892.000 | 251.384 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1429 | 983 WB | White Burr Sage | 0.3 | 0.4 | 756487.600 | 3650890.000 | 251.352 |
| 1430 | 984 WB | White Burr Sage | 0.5 | 0.7 | 756484.300 | 3650891.000 | 250.981 |
| 1431 | 985 WB | White Burr Sage | 0.4 | 0.4 | 756485.300 | 3650891.000 | 251.103 |
| 1432 | 986 WB | White Burr Sage | 0.5 | 0.7 | 756482.200 | 3650892.000 | 250.998 |
| 1433 | 987 CR | Creosote | 0.7 | 1.2 | 756483.000 | 3650889.000 | 251.262 |
| 1434 | 988 GB | Grey Bush??? | 0.3 | 1.1 | 756479.100 | 3650890.000 | 250.891 |
| 1435 | 989 CR | Creosote | 1.2 | 1.5 | 756476.000 | 3650887.000 | 251.117 |
| 1436 | 990 CR | Creosote | 0.6 | 0.8 | 756478.200 | 3650884.00 | 251.284 |
| 1437 | 991 CC | Catclaw | 4.0 | 4.0 | 756473.900 | 3650888.000 | 251.047 |
| 1438 | 992 CR | Creosote | 1.0 | 0.6 | 756473.800 | 3650887.000 | 251.132 |
| 1439 | 992 CR | Creosote | 1.0 | 0.6 | 756473.800 | 3650887.000 | 251.132 |
| 1440 | 993 GB | Grey Bush??? | 0.4 | 1.1 | 756473.400 | 3650887.000 | 251.162 |
| 1441 | 994 DS | Brittle Bush | 0.6 | 1.1 | 756472.600 | 3650888.000 | 250.744 |
| 1442 | 995 WB | White Burr Sage | 0.5 | 0.8 | 756475.200 | 3650889.000 | 250.796 |
| 1443 | 996 WB | White Burr Sage | 0.4 | 1.0 | 756474.700 | 3650888.000 | 250.866 |
| 1444 | 997 GB | Grey Bush??? | 0.5 | 0.7 | 756476.300 | 3650888.000 | 251.063 |
| 1445 | 998 CR | Creosote | 0.9 | 1.4 | 756470.600 | 3650887.000 | 250.953 |
| 1446 | 999 DS | Brittle Bush | 0.7 | 0.8 | 756470.500 | 3650887.000 | 250.818 |
| 1447 | 117 CR | Creosote | 1.3 | 2.7 | 756361.300 | 3650835.000 | 249.300 |
| 1448 | 118 YP | Yellow Paloverde | 4.5 | 3.7 | 756362.800 | 3650838.000 | 249.900 |
| 1449 | 119 DS | Brittle Bush | 0.7 | 1.4 | 756361.500 | 3650838.000 | 249.900 |
| 1450 | 120 WB | White Burr Sage | 0.6 | 1.1 | 756363.100 | 3650839.000 | 250.000 |
| 1451 | 121 WB | White Burr Sage | 0.5 | 0.8 | 756363.800 | 3650842.000 | 249.900 |
| 1452 | 122 CR | Creosote | 0.9 | 1.0 | 756351.100 | 3650844.000 | 250.100 |
| 1453 | 123 CR | Creosote | 1.0 | 1.7 | 756351.500 | 3650826.000 | 249.900 |
| 1454 | 124 CR | Creosote | 1.2 | 1.9 | 756351.600 | 3650822.000 | 249.900 |
| 1455 | 125 CR | Creosote | 1.3 | 1.8 | 756356.500 | 3650813.000 | 249.900 |
| 1456 | 126 DS | Brittle Bush | 0.7 | 1.3 | 756357.100 | 3650814.000 | 249.900 |
| 1457 | 127 B1 | Stick Bush | 0.4 | 1.4 | 756358.900 | 3650814.000 | 249.900 |
| 1458 | 129 CR | Creosote | 1.0 | 1.4 | 756359.800 | 3650813.000 | 249.900 |
| 1459 | 133 CR | Creosote | 1.0 | 1.0 | 756360.900 | 3650813.000 | 249.900 |

(Sheet 47 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1460 | 139 CR | Creosote | 1.4 | 1.7 | 756361.800 | 3650814.000 | 249.800 |
| 1461 | 140 S1 | Sage | 2.4 | 3.8 | 756360.300 | 3650818.000 | 249.300 |
| 1462 | 141 DS | Brittle Bush | 0.6 | 1.0 | 756362.000 | 3650819.000 | 249.300 |
| 1463 | 142 B1 | Stick Bush | 0.8 | 1.6 | 756364.400 | 3650821.000 | 249.200 |
| 1464 | 143 S1 | Sage | 2.2 | 1.5 | 756364.900 | 3650821.000 | 249.300 |
| 1465 | 200 DS | Brittle Bush | 0.6 | 1.0 | 756362.900 | 3650823.000 | 249.500 |
| 1466 | 201 CR | Creosote | 1.2 | 1.9 | 756357.400 | 3650820.000 | 249.300 |
| 1467 | 202 CR | Creosote | 1.4 | 2.3 | 756359.400 | 3650824.000 | 249.200 |
| 1468 | 204 B1 | Stick Bush | 0.4 | 0.7 | 756363.500 | 3650825.000 | 249.300 |
| 1469 | 205 WB | White Burr Sage | 0.6 | 0.9 | 756364.400 | 3650828.000 | 249.300 |
| 1470 | 206 CR | Creosote | 1.2 | 2.5 | 756366.900 | 3650825.000 | 249.400 |
| 1471 | 208 DS | Brittle Bush | 0.6 | 1.0 | 756366.500 | 3650823.000 | 249.300 |
| 1472 | 209 CP | Cholla | 1.7 | 2.0 | 756365.600 | 3650818.000 | 249.300 |
| 1473 | 212 S1 | Sage | 2.2 | 3.3 | 756367.000 | 3650819.000 | 249.300 |
| 1474 | 213 S1 | Sage | 2.0 | 2.4 | 756369.100 | 3650820.000 | 249.300 |
| 1475 | 214 B1 | Stick Bush | 0.5 | 1.3 | 756371.200 | 3650823.000 | 249.500 |
| 1476 | 215 CR | Creosote | 1.3 | 2.6 | 756374.400 | 3650825.000 | 249.600 |
| 1477 | 216 CR | Creosote | 0.9 | 1.1 | 756371.800 | 3650832.000 | 249.600 |
| 1478 | 217 CR | Creosote | 1.2 | 2.3 | 756366.700 | 3650833.000 | 249.800 |
| 1479 | 218 WB | White Burr Sage | 0.5 | 1.1 | 756362.900 | 3650834.000 | 249.600 |
| 1480 | 219 DS | Brittle Bush | 0.8 | 1.2 | 756362.500 | 3650836.000 | 249.300 |
| 1481 | 220 DS | Brittle Bush | 0.9 | 1.1 | 756363.800 | 3650837.000 | 249.300 |
| 1482 | 221 CR | Creosote | 1.0 | 1.0 | 756364.400 | 3650837.000 | 249.300 |
| 1483 | 222 B1 | Stick Bush | 0.4 | 0.7 | 756365.100 | 3650839.000 | 249.300 |
| 1484 | 223 AL | Anderson Lycium | 1.1 | 1.1 | 756365.900 | 3650839.000 | 249.300 |
| 1485 | 225 CR | Creosote | 0.7 | 1.1 | 756368.600 | 3650838.000 | 249.300 |
| 1486 | 226 CR | Creosote | 0.8 | 1.4 | 756368.400 | 3650842.000 | 249.300 |
| 1487 | 227 CR | Creosote | 0.7 | 1.0 | 756366.700 | 3650842.000 | 249.400 |
| 1488 | 228 AL | Anderson Lycium | 0.8 | 0.8 | 756366.000 | 3650841.000 | 249.900 |
| 1489 | 229 WB | White Burr Sage | 0.4 | 0.6 | 756366.000 | 3650842.000 | 249.900 |
| 1490 | 230 WB | White Burr Sage | 0.5 | 0.8 | 756367.100 | 3650844.000 | 249.900 |

(Sheet 48 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1491 | 231 WB | White Burr Sage | 0.4 | 0.6 | 756366.200 | 3650846.000 | 249.900 |
| 1492 | 233 WB | White Burr Sage | 0.5 | 0.8 | 756367.300 | 3650847.000 | 249.900 |
| 1493 | 235 WB | White Burr Sage | 0.3 | 0.5 | 756367.400 | 3650849.000 | 249.900 |
| 1494 | 236 CR | Creosote | 0.5 | 0.6 | 756368.400 | 3650850.000 | 249.800 |
| 1495 | 240 CR | Creosote | 0.7 | 0.9 | 756362.900 | 3650866.000 | 249.700 |
| 1496 | 242 CR | Creosote | 0.8 | 1.0 | 756349.500 | 3650873.000 | 249.300 |
| 1497 | 300 CR | Creosote | 0.6 | 1.2 | 756384.300 | 3650872.000 | 249.000 |
| 1498 | 301 CR | Creosote | 0.7 | 0.9 | 756387.000 | 3650869.000 | 249.400 |
| 1499 | 303 CR | Creosote | 0.6 | 0.9 | 756386.900 | 3650875.000 | 249.300 |
| 1500 | 305 CR | Creosote | 0.9 | 2.2 | 756412.400 | 3650866.000 | 249.300 |
| 1501 | 306 CR | Creosote | 1.5 | 2.3 | 756417.900 | 3650872.000 | 249.500 |
| 1502 | 307 DS | Brittle Bush | 0.8 | 1.1 | 756418.800 | 3650872.000 | 249.300 |
| 1503 | 308 CR | Creosote | 1.0 | 2.0 | 756420.100 | 3650867.000 | 249.500 |
| 1504 | 310 CR | Creosote | 0.5 | 0.7 | 756417.000 | 3650863.000 | 249.400 |
| 1505 | 311 CR | Creosote | 0.7 | 0.8 | 756414.900 | 3650858.000 | 249.400 |
| 1506 | 313 WB | White Burr Sage | 0.4 | 0.8 | 756413.600 | 3650861.000 | 249.300 |
| 1507 | 316 WB | White Burr Sage | 0.5 | 0.8 | 756410.200 | 3650861.000 | 249.300 |
| 1508 | 317 WB | White Burr Sage | 0.4 | 0.7 | 756409.200 | 3650859.000 | 249.200 |
| 1509 | 318 CR | Creosote | 1.3 | 1.8 | 756407.400 | 3650861.000 | 249.200 |
| 1510 | 319 CR | Creosote | 1.1 | 2.0 | 756411.700 | 3650856.000 | 249.300 |
| 1511 | 320 CR | Creosote | 1.0 | 2.1 | 756406.300 | 3650857.000 | 249.200 |
| 1512 | 321 YP | Yellow Paloverde | 3.0 | 3.0 | 756405.900 | 3650854.000 | 249.200 |
| 1513 | 324 CR | Creosote | 1.1 | 1.5 | 756403.400 | 3650855.000 | 249.300 |
| 1514 | 325 CR | Creosote | 0.8 | 1.1 | 756391.800 | 3650858.000 | 249.600 |
| 1515 | 328 CR | Creosote | 0.6 | 1.1 | 756376.900 | 3650860.000 | 249.500 |
| 1516 | 330 CR | Creosote | 1.1 | 1.5 | 756377.000 | 3650854.000 | 249.500 |
| 1517 | 333 CR | Creosote | 0.8 | 1.1 | 756371.200 | 3650853.000 | 249.700 |
| 1518 | 336 CR | Creosote | 0.8 | 0.9 | 756372.600 | 3650851.000 | 249.700 |
| 1519 | 400 WB | White Burr Sage | 0.3 | 0.6 | 756367.600 | 3650852.000 | 249.100 |
| 1520 | 401 CR | Creosote | 0.6 | 0.6 | 756386.400 | 3650852.000 | 249.300 |
| 1521 | 402 CR | Creosote | 1.7 | 2.2 | 756408.800 | 3650849.000 | 249.300 |

(Sheet 49 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1522 | 403 B1 | Stick Bush | 0.5 | 1.2 | 756408.600 | 3650847.000 | 249.300 |
| 1523 | 404 AL | Anderson Lycium | 0.6 | 1.1 | 756406.800 | 3650848.000 | 249.300 |
| 1524 | 406 DS | Brittle Bush | 0.5 | 0.6 | 756404.700 | 3650848.000 | 249.400 |
| 1525 | 409 WB | White Burr Sage | 0.5 | 1.1 | 756404.600 | 3650849.000 | 249.300 |
| 1526 | 410 WB | White Burr Sage | 0.3 | 1.7 | 756402.800 | 3650849.000 | 249.300 |
| 1527 | 416 CR | Creosote | 1.0 | 1.7 | 756402.100 | 3650850.000 | 249.600 |
| 1528 | 418 DS | Brittle Bush | 0.5 | 0.7 | 756402.200 | 3650848.000 | 249.800 |
| 1529 | 419 AL | Anderson Lycium | 1.1 | 1.3 | 756402.500 | 3650847.000 | 249.800 |
| 1530 | 420 AL | Anderson Lycium | 0.9 | 0.7 | 756401.600 | 3650846.000 | 249.900 |
| 1531 | 421 DS | Brittle Bush | 0.6 | 0.7 | 756401.800 | 3650843.000 | 249.900 |
| 1532 | 422 B1 | Stick Bush | 0.5 | 1.2 | 756400.700 | 3650842.000 | 250.000 |
| 1533 | 423 CR | Creosote | 1.1 | 1.9 | 756400.700 | 3650841.000 | 249.900 |
| 1534 | 424 AL | Anderson Lycium | 1.0 | 1.1 | 756400.600 | 3650846.000 | 249.900 |
| 1535 | 425 AL | Anderson Lycium | 0.7 | 0.7 | 756401.600 | 3650845.000 | 249.800 |
| 1536 | 427 CR | Creosote | 1.2 | 2.2 | 756396.800 | 3650845.000 | 249.900 |
| 1537 | 428 WP | Catclaw | 0.5 | 1.0 | 756398.100 | 3650842.000 | 249.900 |
| 1538 | 431 BP | Blue Paloverde | 1.3 | 1.2 | 756395.600 | 3650841.000 | 249.900 |
| 1539 | 432 YP | Yellow Paloverde | 2.6 | 4.2 | 756394.900 | 3650841.000 | 249.900 |
| 1540 | 433 BP | Blue Paloverde | 1.5 | 3.0 | 756393.000 | 3650841.000 | 249.900 |
| 1541 | 436 DS | Brittle Bush | 1.0 | 1.1 | 756394.100 | 3650839.000 | 249.800 |
| 1542 | 436 AL | Anderson Lycium | 1.1 | 1.3 | 756388.600 | 3650841.000 | 249.800 |
| 1543 | 436 CR | Creosote | 1.4 | 1.7 | 756385.600 | 3650837.000 | 249.800 |
| 1544 | 436 YP | Yellow Paloverde | 3.0 | 3.0 | 756386.500 | 3650835.000 | 249.800 |
| 1545 | 442 CR | Creosote | 1.4 | 2.1 | 756384.300 | 3650835.000 | 249.800 |
| 1546 | 450 YP | Yellow Paloverde | 3.2 | 3.5 | 756386.200 | 3650833.000 | 248.800 |
| 1547 | 100 DS | Brittle Bush | 0.9 | 1.2 | 756385.800 | 3650831.000 | 249.510 |
| 1548 | 101 DS | Brittle Bush | 0.7 | 1.3 | 756388.400 | 3650833.000 | 249.222 |
| 1549 | 102 B1 | Stick Bush | 0.4 | 1.4 | 756383.600 | 3650829.000 | 249.266 |
| 1550 | 103 CR | Creosote | 1.5 | 3.0 | 756383.100 | 3650830.000 | 249.653 |
| 1551 | 104 YP | Yellow Paloverde | 4.0 | 4.2 | 756379.200 | 3650827.000 | 249.619 |
| 1552 | 105 WB | White Burr Sage | 0.5 | 0.9 | 756377.700 | 3650826.000 | 249.553 |

(Sheet 50 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1553 | 106 AL | Anderson Lycium | 0.8 | 0.7 | 756377.300 | 3650825.000 | 249.433 |
| 1554 | 108 S1 | Sage | 2.4 | 3.8 | 756378.800 | 3650837.000 | 249.466 |
| 1555 | 109 CR | Creosote | 1.1 | 1.5 | 756412.100 | 3650851.000 | 249.317 |
| 1556 | 110 WB | White Burr Sage | 0.5 | 1.1 | 756412.400 | 3650846.000 | 249.551 |
| 1557 | 111 WB | White Burr Sage | 0.4 | 0.6 | 756413.600 | 3650848.000 | 249.505 |
| 1558 | 112 WB | White Burr Sage | 0.3 | 0.8 | 756414.300 | 3650848.000 | 249.546 |
| 1559 | 113 CR | Creosote | 0.9 | 1.5 | 756417.300 | 3650852.000 | 249.477 |
| 1560 | 113 WB | White Burr Sage | 0.3 | 0.5 | 756405.100 | 3650843.000 | 249.569 |
| 1561 | 114 WB | White Burr Sage | 0.4 | 0.7 | 756404.900 | 3650842.000 | 249.627 |
| 1562 | 115 WB | White Burr Sage | 0.4 | 0.8 | 756403.300 | 3650842.000 | 249.452 |
| 1563 | 115 WB | White Burr Sage | 0.5 | 1.0 | 756406.200 | 3650842.000 | 249.925 |
| 1564 | 116 WB | White Burr Sage | 0.3 | 0.6 | 756407.500 | 3650842.000 | 249.968 |
| 1565 | 117 CC | Catclaw | 4.4 | 4.4 | 756408.800 | 3650842.000 | 250.080 |
| 1566 | 118 CR | Creosote | 0.8 | 1.6 | 756409.100 | 3650844.000 | 250.282 |
| 1567 | 119 CR | Creosote | 1.4 | 2.0 | 756412.700 | 3650839.000 | 250.325 |
| 1568 | 120 CR | Creosote | 0.7 | 1.5 | 756410.600 | 3650840.000 | 250.546 |
| 1569 | 121 WB | White Burr Sage | 0.4 | 0.8 | 756408.600 | 3650840.000 | 250.491 |
| 1570 | 122 WB | White Burr Sage | 0.4 | 0.8 | 756407.100 | 3650839.000 | 250.707 |
| 1571 | 123 WB | White Burr Sage | 0.4 | 0.7 | 756406.100 | 3650839.000 | 250.395 |
| 1572 | 124 CR | Creosote | 0.9 | 1.8 | 756407.400 | 3650838.000 | 250.394 |
| 1573 | 125 CR | Creosote | 0.9 | 2.3 | 756405.100 | 3650838.000 | 250.356 |
| 1574 | 126 WB | White Burr Sage | 0.4 | 1.1 | 756402.900 | 3650839.000 | 250.654 |
| 1575 | 127 BP | Blue Paloverde | 1.4 | 1.0 | 756400.900 | 3650839.000 | 250.393 |
| 1576 | 128 WB | White Burr Sage | 0.4 | 0.6 | 756400.000 | 3650838.000 | 250.340 |
| 1577 | 129 B1 | Stick Bush | 0.5 | 0.7 | 756400.300 | 3650839.000 | 250.600 |
| 1578 | 130 DS | Brittle Bush | 0.9 | 1.6 | 756395.900 | 3650840.000 | 250.215 |
| 1579 | 131 WB | White Burr Sage | 0.3 | 0.6 | 756398.900 | 3650838.000 | 250.364 |
| 1580 | 132 WB | White Burr Sage | 0.4 | 0.6 | 756399.400 | 3650838.000 | 250.169 |
| 1581 | 133 CR | Creosote | 0.6 | 1.0 | 756408.200 | 3650831.000 | 250.387 |
| 1582 | 134 CR | Creosote | 0.7 | 1.0 | 756406.300 | 3650826.000 | 249.879 |
| 1583 | 135 DS | Brittle Bush | 0.2 | 0.4 | 756397.300 | 3650838.000 | 249.974 |

(Sheet 51 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1584 | 136 DS | Brittle Bush | 0.4 | 0.6 | 756396.300 | 3650836.000 | 249.975 |
| 1585 | 137 CR | Creosote | 1.1 | 1.9 | 756398.200 | 3650835.000 | 250.263 |
| 1586 | 138 DS | Brittle Bush | 0.4 | 0.5 | 756394.300 | 3650834.000 | 250.220 |
| 1587 | 139 WB | White Burr Sage | 0.5 | 1.0 | 756393.000 | 3650834.000 | 250.153 |
| 1588 | 140 DS | Brittle Bush | 0.5 | 0.6 | 756392.400 | 3650834.000 | 249.758 |
| 1589 | 141 CR | Creosote | 1.4 | 2.6 | 756391.900 | 3650830.000 | 249.780 |
| 1590 | 142 DS | Brittle Bush | 0.6 | 0.9 | 756388.600 | 3650828.000 | 249.694 |
| 1591 | 143 DS | Brittle Bush | 0.5 | 0.8 | 756388.000 | 3650826.000 | 249.788 |
| 1592 | 200 DS | Brittle Bush | 0.6 | 1.0 | 756387.000 | 3650827.000 | 249.647 |
| 1593 | 201 DP | Desert Peach | 0.8 | 1.2 | 756382.400 | 3650826.000 | 249.756 |
| 1594 | 202 DS | Brittle Bush | 0.7 | 0.8 | 756383.300 | 3650825.000 | 249.560 |
| 1595 | 203 BP | Blue Paloverde | 2.4 | 2.0 | 756382.300 | 3650825.000 | 249.747 |
| 1596 | 204 CR | Creosote | 1.3 | 3.0 | 756383.000 | 3650824.000 | 249.612 |
| 1597 | 205 DS | Brittle Bush | 0.6 | 0.9 | 756380.400 | 3650823.000 | 249.708 |
| 1598 | 206 WB | White Burr Sage | 0.5 | 1.3 | 756378.300 | 3650822.000 | 250.026 |
| 1599 | 208 WB | White Burr Sage | 0.4 | 0.9 | 756377.300 | 3650821.000 | 249.706 |
| 1600 | 209 CR | Creosote | 1.0 | 2.0 | 756376.700 | 3650820.000 | 249.827 |
| 1601 | 210 CR | Creosote | 1.1 | 2.2 | 756373.900 | 3650818.000 | 249.654 |
| 1602 | 211 DS | Brittle Bush | 0.7 | 1.1 | 756372.100 | 3650816.000 | 249.758 |
| 1603 | 212 S1 | Sage | 2.3 | 2.1 | 756371.600 | 3650817.000 | 249.709 |
| 1604 | 213 SC | Saguaro Cactus | 9.5 | 2.0 | 756369.400 | 3650817.000 | 249.995 |
| 1605 | 214 CR | Creosote | 1.1 | 2.4 | 756367.600 | 3650811.000 | 249.883 |
| 1606 | 215 CR | Creosote | 1.2 | 2.1 | 756364.800 | 3650809.00 | 250.174 |
| 1607 | 216 DS | Brittle Bush | 0.8 | 1.3 | 756365.100 | 3650814.000 | 250.037 |
| 1608 | 217 CR | Creosote | 0.8 | 1.4 | 756377.300 | 3650811.000 | 250.174 |
| 1609 | 218 CR | Creosote | 1.3 | 1.6 | 756381.800 | 3650807.000 | 250.037 |
| 1610 | 219 CR | Creosote | 0.5 | 1.0 | 756387.300 | 3650815.000 | 249.823 |
| 1611 | 220 CR | Creosote | 0.5 | 0.9 | 756391.900 | 3650816.000 | 249.758 |
| 1612 | 221 CR | Creosote | 0.9 | 1.4 | 756392.900 | 3650819.000 | 249.739 |
| 1613 | 222 CR | Creosote | 0.5 | 0.9 | 756397.000 | 3650816.000 | 250.164 |
| 1614 | 223 CR | Creosote | 0.7 | 1.5 | 756394.800 | 3650825.000 | 249.758 |

(Sheet 52 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1615 | 224 WB | White Burr Sage | 0.4 | 0.9 | 756412.900 | 3650843.000 | 249.875 |
| 1616 | 225 DS | Brittle Bush | 0.7 | 1.3 | 756414.100 | 3650844.000 | 249.825 |
| 1617 | 226 CC | Catclaw | 2.6 | 3.8 | 756414.900 | 3650844.000 | 249.784 |
| 1618 | 227 CR | Creosote | 1.2 | 1.6 | 756416.800 | 3650840.000 | 249.991 |
| 1619 | 228 CR | Creosote | 0.6 | 1.0 | 756412.900 | 3650834.000 | 250.255 |
| 1620 | 229 CR | Creosote | 0.6 | 0.8 | 756371.300 | 3650837.000 | 250.224 |
| 1621 | 230 AL | Anderson Lycium | 0.7 | 0.4 | 756365.800 | 3650840.000 | 250.370 |
| 1622 | 231 CR | Creosote | 0.7 | 1.0 | 756364.400 | 3650846.000 | 250.294 |
| 1623 | 232 CR | Creosote | 1.2 | 2.1 | 756367.800 | 3650821.000 | 249.921 |
| 1624 | 233 CR | Creosote | 0.5 | 0.4 | 756397.500 | 3650818.000 | 249.966 |
| 1625 | 500 CR | Creosote | 0.3 | 0.6 | 756085.600 | 3650845.000 | 247.116 |
| 1626 | 501 CR | Creosote | 0.6 | 1.3 | 756082.900 | 3650842.000 | 246.941 |
| 1627 | 502 WB | White Burr Sage | 0.5 | 1.1 | 756085.900 | 3650838.000 | 246.345 |
| 1628 | 503 AL | Anderson Lycium | 0.5 | 0.5 | 756085.400 | 3650838.000 | 246.293 |
| 1629 | 504 WB | White Burr Sage | 0.4 | 0.7 | 756085.300 | 3650838.000 | 246.264 |
| 1630 | 505 WB | White Burr Sage | 0.5 | 1.0 | 756087.900 | 3650839.000 | 246.223 |
| 1631 | 506 WB | White Burr Sage | 0.5 | 0.9 | 756089.400 | 3650841.000 | 246.362 |
| 1632 | 507 CR | Creosote | 1.1 | 1.2 | 756083.600 | 3650834.000 | 246.212 |
| 1633 | 508 WB | White Burr Sage | 0.6 | 1.2 | 756084.100 | 3650833.000 | 246.334 |
| 1634 | 509 CR | Creosote | 1.2 | 1.4 | 756082.900 | 3650833.000 | 246.239 |
| 1635 | 510 CR | Creosote | 0.9 | 1.1 | 756082.600 | 3650834.000 | 246.185 |
| 1636 | 511 CR | Creosote | 0.8 | 0.7 | 756082.900 | 3650834.000 | 246.236 |
| 1637 | 512 CR | Creosote | 1.1 | 1.7 | 756079.400 | 3650835.000 | 246.560 |
| 1638 | 513 WB | White Burr Sage | 0.5 | 0.8 | 756079.900 | 3650833.000 | 246.100 |
| 1639 | 514 WB | White Burr Sage | 0.5 | 0.8 | 756086.700 | 3650833.000 | 246.196 |
| 1640 | 515 WB | White Burr Sage | 0.6 | 0.8 | 756087.100 | 3650834.000 | 246.227 |
| 1641 | 516 YP | Yellow Paloverde | 2.5 | 4.0 | 756088.300 | 3650832.000 | 245.965 |
| 1642 | 517 CC | Catclaw | 4.5 | 4.6 | 756091.100 | 3650831.000 | 246.180 |
| 1643 | 518 CR | Creosote | 0.8 | 1.1 | 756089.100 | 3650834.000 | 246.295 |
| 1644 | 519 CR | Creosote | 0.7 | 0.8 | 756090.300 | 3650834.000 | 246.260 |
| 1645 | 520 WB | White Burr Sage | 0.4 | 0.6 | 756090.800 | 3650834.000 | 246.264 |

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| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1646 | 521 CR | Creosote | 0.8 | 1.6 | 756089.900 | 3650838.000 | 246.349 |
| 1647 | 522 WB | White Burr Sage | 0.5 | 0.9 | 756089.100 | 3650838.000 | 246.347 |
| 1648 | 523 DS | Brittle Bush | 0.5 | 0.6 | 756089.100 | 3650838.000 | 246.135 |
| 1649 | 524 YP | Yellow Paloverde | 3.1 | 3.1 | 756097.500 | 3650837.000 | 246.253 |
| 1650 | 525 CR | Creosote | 1.0 | 1.2 | 756097.400 | 3650837.000 | 246.287 |
| 1651 | 526 CR | Creosote | 1.0 | 1.5 | 756096.000 | 3650835.000 | 246.259 |
| 1652 | 527 WB | White Burr Sage | 0.4 | 0.8 | 756094.800 | 3650834.000 | 246.281 |
| 1653 | 528 WB | White Burr Sage | 0.4 | 0.7 | 756095.100 | 3650835.000 | 246.309 |
| 1654 | 529 WB | White Burr Sage | 0.4 | 0.9 | 756096.900 | 3650836.000 | 246.269 |
| 1655 | 530 CR | Creosote | 1.0 | 1.6 | 756094.600 | 3650839.000 | 246.394 |
| 1656 | 531 CR | Creosote | 1.0 | 1.5 | 756095.400 | 3650839.000 | 246.423 |
| 1657 | 532 WB | White Burr Sage | 0.6 | 1.5 | 756093.900 | 3650841.000 | 246.268 |
| 1658 | 533 WB | White Burr Sage | 0.5 | 1.2 | 756092.600 | 3650842.000 | 246.331 |
| 1659 | 534 CR | Creosote | 1.0 | 1.5 | 756091.900 | 3650843.000 | 246.411 |
| 1660 | 535 WB | White Burr Sage | 0.4 | 0.8 | 756097.000 | 3650842.000 | 246.351 |
| 1661 | 536 WB | White Burr Sage | 0.5 | 1.0 | 756097.600 | 3650843.000 | 246.429 |
| 1662 | 537 CR | Creosote | 1.0 | 1.6 | 756100.600 | 3650842.000 | 246.403 |
| 1663 | 538 CR | Creosote | 1.2 | 1.6 | 756099.800 | 3650844.000 | 246.501 |
| 1664 | 539 CR | Creosote | 1.0 | 1.4 | 756100.800 | 3650843.000 | 246.523 |
| 1665 | 540 WB | White Burr Sage | 0.4 | 0.9 | 756100.900 | 3650845.000 | 246.461 |
| 1666 | 541 WB | White Burr Sage | 0.3 | 0.6 | 756103.600 | 3650843.000 | 246.357 |
| 1667 | 542 WB | White Burr Sage | 0.5 | 0.8 | 756103.600 | 3650841.000 | 246.435 |
| 1668 | 543 WB | White Burr Sage | 0.4 | 0.8 | 756104.900 | 3650841.000 | 246.425 |
| 1669 | 544 WB | White Burr Sage | 0.5 | 0.9 | 756104.700 | 3650845.000 | 246.397 |
| 1670 | 545 WB | White Burr Sage | 0.5 | 0.9 | 756102.200 | 3650840.000 | 246.372 |
| 1671 | 546 WB | White Burr Sage | 0.4 | 0.8 | 756102.300 | 3650838.000 | 246.379 |
| 1672 | 547 WB | White Burr Sage | 0.4 | 0.6 | 756101.200 | 3650839.000 | 246.376 |
| 1673 | 548 DS | Brittle Bush | 0.4 | 0.7 | 756099.300 | 3650839.000 | 246.259 |
| 1674 | 549 WB | White Burr Sage | 0.4 | 0.6 | 756100.800 | 3650837.000 | 246.362 |
| 1675 | 550 WB | White Burr Sage | 0.3 | 0.7 | 756085.800 | 3650829.000 | 246.080 |
| 1676 | 551 WB | White Burr Sage | 0.4 | 0.8 | 756085.800 | 3650830.000 | 246.129 |

(Sheet 54 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|------------------|--------|-------|------------|-------------|-----------|
| 1677 | 552 YP | Yellow Paloverde | 1.6 | 1.7 | 756083.800 | 3650827.000 | 246.059 |
| 1678 | 553 WB | White Burr Sage | 0.5 | 1.1 | 756083.700 | 3650827.000 | 246.061 |
| 1679 | 554 WB | White Burr Sage | 0.5 | 1.0 | 756084.400 | 3650825.000 | 246.133 |
| 1680 | 555 WB | White Burr Sage | 0.5 | 0.9 | 756082.500 | 3650826.000 | 246.105 |
| 1681 | 556 CR | Creosote | 1.0 | 1.6 | 756079.200 | 3650825.000 | 246.118 |
| 1682 | 557 WB | White Burr Sage | 0.4 | 0.7 | 756078.900 | 3650828.000 | 246.161 |
| 1683 | 558 WB | White Burr Sage | 0.4 | 0.6 | 756077.600 | 3650830.000 | 246.152 |
| 1684 | 559 WB | White Burr Sage | 0.3 | 0.6 | 756083.100 | 3650829.000 | 246.135 |
| 1685 | 560 CR | Creosote | 1.0 | 1.8 | 756083.600 | 3650829.000 | 246.200 |
| 1686 | 561 DS | Brittle Bush | 0.5 | 0.7 | 756084.200 | 3650829.000 | 246.005 |
| 1687 | 562 WB | White Burr Sage | 0.4 | 0.7 | 756084.300 | 3650828.000 | 246.032 |
| 1688 | 563 CR | Creosote | 0.8 | 1.5 | 756087.100 | 3650825.000 | 246.235 |
| 1689 | 564 WB | White Burr Sage | 0.3 | 0.4 | 756087.000 | 3650826.000 | 246.158 |
| 1690 | 565 CR | Creosote | 1.0 | 1.6 | 756088.100 | 3650828.000 | 246.238 |
| 1691 | 566 WB | White Burr Sage | 0.6 | 1.1 | 756082.900 | 3650823.000 | 246.161 |
| 1692 | 567 CR | Creosote | 1.0 | 2.0 | 756085.400 | 3650820.000 | 246.194 |
| 1693 | 568 CR | Creosote | 1.0 | 1.5 | 756091.500 | 3650822.000 | 246.179 |
| 1694 | 569 WB | White Burr Sage | 0.5 | 1.0 | 756080.500 | 3650824.000 | 246.108 |
| 1695 | 570 WB | White Burr Sage | 0.3 | 0.4 | 756079.500 | 3650824.000 | 246.030 |
| 1696 | 571 WB | White Burr Sage | 0.4 | 0.7 | 756078.800 | 3650823.000 | 246.020 |
| 1697 | 572 CR | Creosote | 1.1 | 1.6 | 756079.000 | 3650825.000 | 246.104 |
| 1698 | 573 WB | White Burr Sage | 0.5 | 0.8 | 756074.600 | 3650824.000 | 245.989 |
| 1699 | 574 WB | White Burr Sage | 0.4 | 0.7 | 756073.800 | 3650823.000 | 246.048 |
| 1700 | 575 WB | White Burr Sage | 0.6 | 1.1 | 756077.200 | 3650821.000 | 246.007 |
| 1701 | 576 WB | White Burr Sage | 0.4 | 0.7 | 756076.600 | 3650820.000 | 246.051 |
| 1702 | 577 YP | Yellow Paloverde | 2.5 | 2.3 | 756076.800 | 3650820.000 | 246.034 |
| 1703 | 578 B2 | Unidentified | 0.7 | 0.6 | 756076.500 | 3650820.000 | 245.979 |
| 1704 | 579 WB | White Burr Sage | 0.4 | 0.8 | 756073.100 | 3650820.000 | 245.981 |
| 1705 | 580 CR | Creosote | 0.9 | 1.4 | 756073.200 | 3650819.000 | 246.017 |
| 1706 | 581 WB | White Burr Sage | 0.5 | 0.9 | 756070.900 | 3650820.000 | 245.975 |
| 1707 | 582 CR | Creosote | 0.4 | 0.7 | 756069.900 | 3650821.000 | 246.011 |

(Sheet 55 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1708 | 583 WB | White Burr Sage | 0.5 | 0.9 | 756071.900 | 3650819.000 | 246.004 |
| 1709 | 584 CR | Creosote | 1.0 | 1.5 | 756072.100 | 3650817.000 | 246.096 |
| 1710 | 585 WB | White Burr Sage | 0.4 | 0.8 | 756071.300 | 3650817.000 | 245.947 |
| 1711 | 586 WB | White Burr Sage | 0.4 | 0.6 | 756071.400 | 3650817.000 | 246.001 |
| 1712 | 587 CR | Creosote | 0.9 | 1.5 | 756072.700 | 3650817.000 | 246.100 |
| 1713 | 588 WB | White Burr Sage | 0.4 | 0.7 | 756073.300 | 3650816.000 | 245.989 |
| 1714 | 589 CR | Creosote | 0.9 | 1.8 | 756078.600 | 3650817.000 | 246.035 |
| 1715 | 590 WB | White Burr Sage | 0.5 | 0.7 | 756078.400 | 3650817.000 | 246.041 |
| 1716 | 591 CR | Creosote | 0.8 | 1.3 | 756080.100 | 3650816.000 | 245.944 |
| 1717 | 592 WB | White Burr Sage | 0.5 | 0.4 | 756078.800 | 3650817.000 | 246.069 |
| 1718 | 593 WB | White Burr Sage | 0.5 | 0.7 | 756085.800 | 3650817.000 | 246.143 |
| 1719 | 594 WB | White Burr Sage | 0.3 | 0.4 | 756089.600 | 3650820.000 | 246.103 |
| 1720 | 595 WB | White Burr Sage | 0.3 | 0.6 | 756069.100 | 3650817.000 | 245.903 |
| 1721 | 596 WB | White Burr Sage | 0.4 | 0.8 | 756068.700 | 3650816.000 | 245.984 |
| 1722 | 597 CR | Creosote | 0.7 | 1.2 | 756064.100 | 3650816.000 | 245.843 |
| 1723 | 598 WB | White Burr Sage | 0.4 | 0.5 | 756041.800 | 3650818.000 | 245.882 |
| 1724 | 599 WB | White Burr Sage | 0.4 | 0.6 | 756040.100 | 3650819.000 | 245.915 |
| 1725 | 600 WB | White Burr Sage | 0.6 | 1.1 | 756095.800 | 3650845.000 | 246.395 |
| 1726 | 601 WB | White Burr Sage | 0.5 | 1.1 | 756096.800 | 3650845.000 | 246.361 |
| 1727 | 602 WB | White Burr Sage | 0.4 | 0.9 | 756097.600 | 3650846.000 | 246.402 |
| 1728 | 603 WB | White Burr Sage | 0.5 | 1.3 | 756098.300 | 3650847.000 | 246.431 |
| 1729 | 604 WB | White Burr Sage | 0.5 | 1.1 | 756099.100 | 3650847.000 | 246.354 |
| 1730 | 605 CR | Creosote | 0.9 | 1.3 | 756098.500 | 3650848.000 | 246.417 |
| 1731 | 606 WB | White Burr Sage | 0.6 | 0.7 | 756099.400 | 3650844.000 | 246.384 |
| 1732 | 607 WB | White Burr Sage | 0.4 | 0.9 | 756098.600 | 3650844.000 | 246.404 |
| 1733 | 608 WB | White Burr Sage | 0.5 | 0.8 | 756099.100 | 3650844.000 | 246.390 |
| 1734 | 609 WB | White Burr Sage | 0.4 | 0.6 | 756090.100 | 3650841.000 | 246.290 |
| 1735 | 610 WB | White Burr Sage | 0.3 | 0.4 | 756088.800 | 3650843.000 | 246.491 |
| 1736 | 611 CR | Creosote | 0.7 | 1.1 | 756072.800 | 3650860.000 | 248.523 |
| 1737 | 613 CR | Creosote | 1.0 | 1.3 | 756062.800 | 3650860.000 | 247.955 |
| 1738 | 614 CR | Creosote | 1.0 | 1.5 | 756067.500 | 3650842.000 | 247.254 |

(Sheet 56 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1739 | 615 WB | White Burr Sage | 0.6 | 1.4 | 756101.000 | 3650853.000 | 246.480 |
| 1740 | 616 WB | White Burr Sage | 0.5 | 1.2 | 756104.900 | 3650852.000 | 246.592 |
| 1741 | 617 WB | White Burr Sage | 0.4 | 0.8 | 756108.800 | 3650852.000 | 246.533 |
| 1742 | 618 CR | Creosote | 1.5 | 1.5 | 756107.900 | 3650851.000 | 246.468 |
| 1743 | 619 WB | White Burr Sage | 0.4 | 0.9 | 756105.300 | 3650851.000 | 246.507 |
| 1744 | 620 CR | Creosote | 0.8 | 1.0 | 756107.300 | 3650850.000 | 246.483 |
| 1745 | 621 WB | White Burr Sage | 0.4 | 0.7 | 756109.600 | 3650849.000 | 246.582 |
| 1746 | 622 WB | White Burr Sage | 0.5 | 1.0 | 756107.900 | 3650848.000 | 246.473 |
| 1747 | 623 CR | Creosote | 1.0 | 1.0 | 756104.900 | 3650850.000 | 246.547 |
| 1748 | 624 WB | White Burr Sage | 0.6 | 1.1 | 756104.400 | 3650851.000 | 246.559 |
| 1749 | 625 WB | White Burr Sage | 0.5 | 0.9 | 756102.500 | 3650850.000 | 246.552 |
| 1750 | 626 WB | White Burr Sage | 0.4 | 0.6 | 756100.400 | 3650851.000 | 246.493 |
| 1751 | 627 WB | White Burr Sage | 0.5 | 1.2 | 756100.400 | 3650850.000 | 246.433 |
| 1752 | 628 WB | White Burr Sage | 0.4 | 0.8 | 756103.300 | 3650847.000 | 246.527 |
| 1753 | 629 WB | White Burr Sage | 0.3 | 0.7 | 756105.100 | 3650848.000 | 246.453 |
| 1754 | 630 CR | Creosote | 0.9 | 1.5 | 756102.600 | 3650847.000 | 246.499 |
| 1755 | 531 CR | Creosote | 0.9 | 1.3 | 756057.600 | 3650875.000 | 247.522 |
| 1756 | 632 WB | White Burr Sage | 0.5 | 0.6 | 756057.200 | 3650872.000 | 247.494 |
| 1757 | 633 WB | White Burr Sage | 0.3 | 0.6 | 756056.400 | 3650872.000 | 247.502 |
| 1758 | 634 WB | White Burr Sage | 0.4 | 0.5 | 756054.000 | 3650869.000 | 247.246 |
| 1759 | 635 WB | White Burr Sage | 0.3 | 0.5 | 756052.800 | 3650868.000 | 247.176 |
| 1760 | 636 CR | Creosote | 0.9 | 1.2 | 756053.000 | 3650868.000 | 247.147 |
| 1761 | 637 WB | White Burr Sage | 0.3 | 0.5 | 756053.400 | 3650866.000 | 247.110 |
| 1762 | 638 CR | Creosote | 0.8 | 1.4 | 756053.000 | 3650864.000 | 247.086 |
| 1763 | 639 B1 | Stick Bush | 0.3 | 0.9 | 756051.500 | 3650862.000 | 247.015 |
| 1764 | 640 CR | Creosote | 0.6 | 0.9 | 756055.300 | 3650861.000 | 247.198 |
| 1765 | 641 CR | Creosote | 0.6 | 0.9 | 756053.100 | 3650860.000 | 247.088 |
| 1766 | 642 WB | White Burr Sage | 0.4 | 0.8 | 756052.600 | 3650859.000 | 247.067 |
| 1767 | 643 CR | Creosote | 1.0 | 1.6 | 756050.000 | 3650858.000 | 246.901 |
| 1768 | 644 CR | Creosote | 0.9 | 1.2 | 756051.600 | 3650856.000 | 246.798 |
| 1769 | 645 CR | Creosote | 1.2 | 2.5 | 756058.100 | 3650858.000 | 247.449 |

(Sheet 57 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1770 | 646 CR | Creosote | 0.5 | 0.7 | 756057.500 | 3650854.000 | 247.295 |
| 1771 | 647 B2 | Unidentified | 0.6 | 0.7 | 756059.500 | 3650853.000 | 247.415 |
| 1772 | 648 CR | Creosote | 1.0 | 1.6 | 756049.600 | 3650856.000 | 246.800 |
| 1773 | 649 CR | Creosote | 1.5 | 2.6 | 756047.900 | 3650853.000 | 246.967 |
| 1774 | 650 CR | Creosote | 0.7 | 1.0 | 756052.300 | 3650852.000 | 246.683 |
| 1775 | 651 WB | White Burr Sage | 0.4 | 0.6 | 756041.300 | 3650821.000 | 245.967 |
| 1776 | 652 WB | White Burr Sage | 0.4 | 0.7 | 756041.400 | 3650824.000 | 245.972 |
| 1777 | 653 WB | White Burr Sage | 0.4 | 0.6 | 756041.700 | 3650826.000 | 246.046 |
| 1778 | 654 WB | White Burr Sage | 0.3 | 0.6 | 756042.300 | 3650828.000 | 246.099 |
| 1779 | 655 WB | White Burr Sage | 0.3 | 0.5 | 756045.300 | 3650833.000 | 246.193 |
| 1780 | 656 WB | White Burr Sage | 0.4 | 0.5 | 756044.600 | 3650828.000 | 246.073 |
| 1781 | 657 CR | Creosote | 0.8 | 1.6 | 756044.100 | 3650831.000 | 246.158 |
| 1782 | 658 WB | White Burr Sage | 0.2 | 0.4 | 756045.400 | 3650832.000 | 246.174 |
| 1783 | 659 WB | White Burr Sage | 0.3 | 0.4 | 756045.900 | 3650834.000 | 246.218 |
| 1784 | 660 WB | White Burr Sage | 0.4 | 0.5 | 756048.500 | 3650833.000 | 246.232 |
| 1785 | 661 WB | White Burr Sage | 0.4 | 0.8 | 756047.600 | 3650836.000 | 246.375 |
| 1786 | 662 CR | Creosote | 1.1 | 1.4 | 756047.800 | 3650837.000 | 246.345 |
| 1787 | 663 WB | White Burr Sage | 0.3 | 0.5 | 756046.600 | 3650840.000 | 246.445 |
| 1788 | 664 WB | White Burr Sage | 0.2 | 0.3 | 756048.400 | 3650841.000 | 246.415 |
| 1789 | 665 WB | White Burr Sage | 0.5 | 1.0 | 756049.700 | 3650840.000 | 246.382 |
| 1790 | 666 WB | White Burr Sage | 0.3 | 0.4 | 756048.700 | 3650842.000 | 246.520 |
| 1791 | 667 CR | Creosote | 0.7 | 0.9 | 756051.900 | 3650844.000 | 246.497 |
| 1792 | 668 WB | White Burr Sage | 0.6 | 1.2 | 756052.500 | 3650845.000 | 246.605 |
| 1793 | 669 CR | Creosote | 1.0 | 1.2 | 756051.600 | 3650847.000 | 246.620 |
| 1794 | 670 CR | Creosote | 1.1 | 1.5 | 756051.200 | 3650847.000 | 246.610 |
| 1795 | 671 WB | White Burr Sage | 0.3 | 0.4 | 756055.100 | 3650848.000 | 246.770 |
| 1796 | 672 B1 | Stick Bush | 0.7 | 1.0 | 756059.200 | 3650844.000 | 247.010 |
| 1797 | 673 WB | White Burr Sage | 0.35 | 1.0 | 756072.800 | 3650818.000 | 246.097 |
| 1798 | 674 WB | White Burr Sage | 0.4 | 0.7 | 756078.600 | 3650819.000 | 245.992 |
| 1799 | 675 WB | White Burr Sage | 0.5 | 0.8 | 756080.000 | 3650820.000 | 246.080 |
| 1800 | 676 WB | White Burr Sage | 0.4 | 0.8 | 756080.600 | 3650821.000 | 245.987 |

(Sheet 58 of 59)

| Number | Plant Name | Species | Height | Width | East | North | Elevation |
|--------|------------|-----------------|--------|-------|------------|-------------|-----------|
| 1801 | 677 CR | Creosote | 0.9 | 2.1 | 756086.600 | 3650830.000 | 246.213 |
| 1802 | 678 WB | White Burr Sage | 0.3 | 0.5 | 756094.000 | 3650829.000 | 246.189 |
| 1803 | 679 WB | White Burr Sage | 0.4 | 0.4 | 756095.700 | 3650832.000 | 246.242 |
| 1804 | 680 WB | White Burr Sage | 0.3 | 0.4 | 756096.100 | 3650832.000 | 246.266 |
| 1805 | 681 WB | White Burr Sage | 0.5 | 1.0 | 756097.300 | 3650834.000 | 246.257 |
| 1806 | 682 WB | White Burr Sage | 0.9 | 0.8 | 756098.100 | 3650835.000 | 246.365 |
| 1807 | 683 CR | Creosote | 1.1 | 1.5 | 756099.400 | 3650836.000 | 246.396 |
| 1808 | 684 CR | Creosote | 0.6 | 1.8 | 756092.500 | 3650844.000 | 246.437 |
| 1809 | 685 CR | Creosote | 1.4 | 1.7 | 756052.300 | 3650845.000 | 246.594 |

(Sheet 59 of 59)

Appendix H

Survey Data

Table H1
Fiducial Point Locations

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|-------------------|
| 2 | 756400.94 | 3650792.57 | 32 | 58 | 1.6361 | 114 | 15 | 24.4127 | 250.06 | ARL SP1E |
| 4 | 756361.23 | 3650792.36 | 32 | 58 | 1.6629 | 114 | 15 | 25.9407 | 249.50 | ARL SP2E |
| 3 | 756380.29 | 3650782.29 | 32 | 58 | 1.3200 | 114 | 15 | 25.2175 | 249.71 | ARL SP3E |
| 153 | 756433.01 | 3650841.05 | 32 | 58 | 3.1816 | 114 | 15 | 23.1299 | 250.61 | CL-E1 GAREF |
| 111 | 756008.90 | 3650839.81 | 32 | 58 | 3.4997 | 114 | 15 | 39.4503 | 247.43 | CL-W1 GAREFPA |
| 156 | 756433.54 | 3650811.10 | 32 | 58 | 2.2096 | 114 | 15 | 23.1397 | 250.51 | CR-1E REF |
| 108 | 756008.66 | 3650869.51 | 32 | 58 | 4.4634 | 114 | 15 | 39.4298 | 246.25 | CR-2W REFPA |
| 155 | 756462.90 | 3650820.67 | 32 | 58 | 2.4950 | 114 | 15 | 22.0004 | 250.64 | CR-3E REF |
| 114 | 755979.95 | 3650819.22 | 32 | 58 | 2.8561 | 114 | 15 | 40.5847 | 247.23 | CR-3W REF# |
| 149 | 756463.56 | 3650860.65 | 32 | 58 | 3.7915 | 114 | 15 | 21.9350 | 251.09 | CR-4E REF |
| 150 | 756432.38 | 3650871.26 | 32 | 58 | 4.1619 | 114 | 15 | 23.1237 | 250.74 | CR-4E REF |
| 107 | 755978.97 | 3650859.07 | 32 | 58 | 4.1497 | 114 | 15 | 40.5826 | 246.08 | CR-4W REFPA |
| 47 | 756078.40 | 3650876.04 | 32 | 58 | 4.6163 | 114 | 15 | 36.7396 | 249.42 | NP-1W GA |
| 167 | 756365.23 | 3650892.00 | 32 | 58 | 4.8916 | 114 | 15 | 25.6868 | 250.45 | NP-2E GA |
| 161 | 756385.44 | 3650902.17 | 32 | 58 | 5.2044 | 114 | 15 | 24.8991 | 250.81 | NP-3E REF |
| 66 | 756058.42 | 3650885.48 | 32 | 58 | 4.9392 | 114 | 15 | 37.4989 | 248.13 | NP-3W REF |
| 112 | 756039.01 | 3650875.01 | 32 | 58 | 4.6160 | 114 | 15 | 38.2562 | 247.32 | NP-W2 GAREFPA |
| 14 | 756453.19 | 3650840.37 | 32 | 58 | 3.1425 | 114 | 15 | 22.3540 | 250.92 | OR-CL-E2 GAREFPAN |
| 15 | 756473.35 | 3650840.53 | 32 | 58 | 3.1303 | 114 | 15 | 21.5782 | 251.00 | OR-CL-E3 REFPAN |
| 16 | 756493.38 | 3650840.03 | 32 | 58 | 3.0972 | 114 | 15 | 20.8080 | 251.22 | OR-CL-E4 REFPAN |
| 106 | 755988.96 | 3650839.17 | 32 | 58 | 3.4957 | 114 | 15 | 40.2180 | 245.55 | OR-CL-W2 GAREF |
| 104 | 755969.25 | 3650839.24 | 32 | 58 | 3.5148 | 114 | 15 | 40.9764 | 245.57 | OR-CL-W3 REF |
| 105 | 755949.57 | 3650839.10 | 32 | 58 | 3.5269 | 114 | 15 | 41.7336 | 245.67 | OR-CL-W4 REF |
| 103 | 755315.11 | 3650822.52 | 32 | 58 | 3.5239 | 114 | 16 | 6.1635 | 242.18 | ORANGE |
| 100 | 755530.31 | 3650828.74 | 32 | 58 | 3.5443 | 114 | 15 | 57.8766 | 243.15 | ORANGE |
| 69 | 756187.33 | 3651003.07 | 32 | 58 | 8.6446 | 114 | 15 | 32.4210 | 252.38 | ORANGE |
| 98 | 755716.41 | 3650987.94 | 32 | 58 | 8.5514 | 114 | 15 | 50.5566 | 245.72 | ORANGE |
| 102 | 755429.98 | 3650826.69 | 32 | 58 | 3.5624 | 114 | 16 | 1.7393 | 242.19 | ORANGE |
| 45 | 756110.08 | 3650862.00 | 32 | 58 | 4.1341 | 114 | 15 | 35.5348 | 246.50 | ORANGE GA |
| 44 | 756109.74 | 3650820.87 | 32 | 58 | 2.8003 | 114 | 15 | 35.5888 | 247.44 | ORANGE GA |

(Sheet 1 of 3)

Table H1 (Continued)

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|---------|-----|----------|---------|-----------|-----------------|
| 12 | 756332.08 | 3650823.77 | 32 | 58 | 2.7063 | 114 | 15 | 27.0308 | 249.66 | ORANGE GS+PANEL |
| 11 | 756333.20 | 3650863.92 | 32 | 58 | 4.0078 | 114 | 15 | 26.9477 | 249.79 | ORANGE GS+PANEL |
| 21 | 756774.66 | 3650858.33 | 32 | 58 | 3.4527 | 114 | 15 | 9.9667 | 253.88 | ORANGE PAN |
| 20 | 756563.81 | 3650692.87 | 32 | 57 | 58.2641 | 114 | 15 | 18.2458 | 250.47 | ORANGE PAN |
| 24 | 757075.49 | 3650866.75 | 32 | 58 | 3.4709 | 114 | 14 | 58.3829 | 256.67 | ORANGE PAN |
| 22 | 756976.66 | 3650863.44 | 32 | 58 | 3.4474 | 114 | 15 | 2.1889 | 255.65 | ORANGE PAN |
| 19 | 756585.73 | 3650852.36 | 32 | 58 | 3.4192 | 114 | 15 | 17.2422 | 252.10 | ORANGE PAN |
| 92 | 755748.99 | 3650663.76 | 32 | 57 | 58.0086 | 114 | 15 | 49.6272 | 246.37 | ORANGE PAN |
| 93 | 755682.20 | 3650831.14 | 32 | 58 | 3.4943 | 114 | 15 | 52.0298 | 243.87 | ORANGE PAN |
| 18 | 756605.23 | 3651004.26 | 32 | 58 | 8.3297 | 114 | 15 | 16.3395 | 253.37 | ORANGE PAN |
| 17 | 756179.63 | 3650681.51 | 32 | 57 | 58.2207 | 114 | 15 | 33.0394 | 247.66 | ORANGE PAN |
| 31 | 756876.13 | 3650861.44 | 32 | 58 | 3.4676 | 114 | 15 | 6.0589 | 254.44 | ORANGE PANEL |
| 97 | 755661.48 | 3650821.04 | 32 | 58 | 3.1841 | 114 | 15 | 52.8372 | 243.65 | ORANGE STAKE |
| 96 | 755661.87 | 3650841.04 | 32 | 58 | 3.8324 | 114 | 15 | 52.8021 | 243.90 | ORANGE STAKE |
| 94 | 755710.66 | 3650821.29 | 32 | 58 | 3.1506 | 114 | 15 | 50.9447 | 244.01 | ORANGE STAKE |
| 95 | 755712.96 | 3650841.40 | 32 | 58 | 3.8009 | 114 | 15 | 50.8360 | 244.10 | ORANGE STAKE |
| 157 | 756432.77 | 3650820.66 | 32 | 58 | 2.5204 | 114 | 15 | 23.1596 | 250.41 | P-1E GA |
| 151 | 756432.50 | 3650861.26 | 32 | 58 | 3.8376 | 114 | 15 | 23.1293 | 250.18 | P-2E GA |
| 109 | 756008.48 | 3650859.72 | 32 | 58 | 4.1460 | 114 | 15 | 39.4465 | 246.10 | P-2W GAREFPA |
| 154 | 756443.43 | 3650830.38 | 32 | 58 | 2.8267 | 114 | 15 | 22.7399 | 250.67 | P-3E GA |
| 113 | 756000.12 | 3650829.67 | 32 | 58 | 3.1782 | 114 | 15 | 39.7982 | 248.99 | P-3W GAREFPA |
| 152 | 756443.59 | 3650851.30 | 32 | 58 | 3.5050 | 114 | 15 | 22.7125 | 250.71 | P-4E |
| 110 | 755998.60 | 3650849.97 | 32 | 58 | 3.8379 | 114 | 15 | 39.8363 | 245.83 | P-4W GAREFPA |
| 75 | 756292.44 | 3651005.47 | 32 | 58 | 8.6337 | 114 | 15 | 28.3739 | 253.74 | POLE 1 1 |
| 76 | 756293.00 | 3651037.18 | 32 | 58 | 9.6618 | 114 | 15 | 28.3204 | 253.67 | POLE 2 2 |
| 77 | 756296.92 | 3651067.50 | 32 | 58 | 10.6418 | 114 | 15 | 28.1392 | 254.46 | POLE 3 3 |
| 78 | 756302.36 | 3651097.22 | 32 | 58 | 11.6014 | 114 | 15 | 27.9001 | 254.29 | POLE 4 4 |
| 79 | 756305.61 | 3651127.31 | 32 | 58 | 12.5746 | 114 | 15 | 27.7451 | 253.17 | POLE 5 5 |
| 158 | 756400.76 | 3650792.86 | 32 | 58 | 1.6456 | 114 | 15 | 24.4192 | 250.04 | SP-1E GA |
| 42 | 756079.69 | 3650806.18 | 32 | 58 | 2.3491 | 114 | 15 | 36.7600 | 245.90 | SP-1W GA |

(Sheet 2 of 3)

Table H1 (Concluded)

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|-----------------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|-----------|
| 160 | 756361.82 | 3650792.06 | 32 | 58 | 1.6525 | 114 | 15 | 25.9185 | 249.52 | SP-2E GA |
| 159 | 756380.40 | 3650782.17 | 32 | 58 | 1.3160 | 114 | 15 | 25.2132 | 249.68 | SP-3E REF |
| 41 | 756060.08 | 3650795.60 | 32 | 58 | 2.0225 | 114 | 15 | 37.5251 | 245.64 | SP-3W REF |
| <i>(Sheet 3 of 3)</i> | | | | | | | | | | |

Table H2
Instrumentation Locations

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|-----------------|
| 260 | 756189.64 | 3650839.76 | 32 | 58 | 3.3455 | 114 | 15 | 32.4958 | 251.59 | 2CAMLOC |
| 73 | 756239.87 | 3651019.47 | 32 | 58 | 9.1323 | 114 | 15 | 30.3828 | 252.75 | A CRLDOWEL |
| 71 | 756221.75 | 3651015.57 | 32 | 58 | 9.0209 | 114 | 15 | 31.0838 | 252.48 | A CRLMOIST |
| 242 | 756230.32 | 3651026.15 | 32 | 58 | 9.3571 | 114 | 15 | 30.7436 | 252.99 | A TOWER A |
| 72 | 756230.54 | 3651017.62 | 32 | 58 | 9.0801 | 114 | 15 | 30.7438 | 252.50 | A UPDWNRAD |
| 70 | 756221.18 | 3651015.98 | 32 | 58 | 9.0347 | 114 | 15 | 31.1056 | 252.50 | A WESMOIST |
| 91 | 756205.90 | 3650840.82 | 32 | 58 | 3.3659 | 114 | 15 | 31.8691 | 256.18 | AIR CONTROL |
| 82 | 756241.76 | 3650927.94 | 32 | 58 | 6.1618 | 114 | 15 | 30.4020 | 254.95 | ARLMET CEILOMET |
| 89 | 756230.66 | 3650904.46 | 32 | 58 | 5.4095 | 114 | 15 | 30.8523 | 252.48 | ASL-ANT EAST |
| 90 | 756228.79 | 3650905.03 | 32 | 58 | 5.4294 | 114 | 15 | 30.9238 | 252.37 | ASL-ANT WEST |
| 190 | 756326.16 | 3650884.74 | 32 | 58 | 4.6890 | 114 | 15 | 27.1974 | 250.15 | B CRLDOWEL |
| 192 | 756326.25 | 3650874.27 | 32 | 58 | 4.3494 | 114 | 15 | 27.2044 | 249.96 | B CRLMOIST |
| 194 | 756332.87 | 3650874.41 | 32 | 58 | 4.3484 | 114 | 15 | 26.9498 | 249.91 | B PROBE |
| 195 | 756336.90 | 3650880.87 | 32 | 58 | 4.5543 | 114 | 15 | 26.7883 | 250.13 | B PROBE |
| 197 | 756328.69 | 3650886.34 | 32 | 58 | 4.7387 | 114 | 15 | 27.0985 | 250.11 | B PROBE |
| 196 | 756332.93 | 3650883.88 | 32 | 58 | 4.6555 | 114 | 15 | 26.9379 | 250.02 | B PROBE |
| 199 | 756322.36 | 3650884.98 | 32 | 58 | 4.6999 | 114 | 15 | 27.3436 | 249.98 | B PROBE |
| 200 | 756320.16 | 3650884.31 | 32 | 58 | 4.6803 | 114 | 15 | 27.4289 | 250.00 | B PROBE |
| 198 | 756327.52 | 3650884.49 | 32 | 58 | 4.6796 | 114 | 15 | 27.1456 | 250.05 | B PROBE |
| 193 | 756332.22 | 3650872.16 | 32 | 58 | 4.2758 | 114 | 15 | 26.9769 | 249.90 | B PROBE |
| 189 | 756322.64 | 3650883.33 | 32 | 58 | 4.6462 | 114 | 15 | 27.3346 | 249.99 | B TOWER |
| 245 | 756322.64 | 3650883.33 | 32 | 58 | 4.6462 | 114 | 15 | 27.3346 | 249.99 | B TOWER B |
| 209 | 756320.01 | 3650868.67 | 32 | 58 | 4.1731 | 114 | 15 | 27.4504 | 249.97 | B UPDWDRAD |
| 204 | 756328.50 | 3650879.76 | 32 | 58 | 4.5255 | 114 | 15 | 27.1123 | 250.05 | B WESG |
| 206 | 756328.00 | 3650877.47 | 32 | 58 | 4.4518 | 114 | 15 | 27.1339 | 250.06 | B WESG |
| 208 | 756327.19 | 3650871.94 | 32 | 58 | 4.2729 | 114 | 15 | 27.1706 | 249.98 | B WESG |
| 202 | 756326.69 | 3650879.77 | 32 | 58 | 4.5274 | 114 | 15 | 27.1820 | 250.04 | B WESG |
| 191 | 756322.81 | 3650874.23 | 32 | 58 | 4.3510 | 114 | 15 | 27.3369 | 249.90 | B WESMOIST |
| 201 | 756326.78 | 3650880.59 | 32 | 58 | 4.5539 | 114 | 15 | 27.1777 | 250.05 | B WESR |

(Sheet 1 of 5)

Table H2 (Continued)

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|-------------|
| 207 | 756327.29 | 3650872.36 | 32 | 58 | 4.2864 | 114 | 15 | 27.1664 | 249.97 | B WESR |
| 203 | 756328.65 | 3650880.44 | 32 | 58 | 4.5475 | 114 | 15 | 27.1060 | 250.06 | B WESR |
| 205 | 756328.03 | 3650877.89 | 32 | 58 | 4.4652 | 114 | 15 | 27.1323 | 250.04 | B WESR |
| 219 | 756314.33 | 3650847.33 | 32 | 58 | 3.4855 | 114 | 15 | 27.6903 | 249.82 | BF WES |
| 217 | 756322.71 | 3650848.88 | 32 | 58 | 3.5288 | 114 | 15 | 27.3663 | 249.81 | BF WES |
| 218 | 756314.17 | 3650847.67 | 32 | 58 | 3.4967 | 114 | 15 | 27.6961 | 249.61 | BF WES |
| 225 | 756308.84 | 3650842.74 | 32 | 58 | 3.3414 | 114 | 15 | 27.9061 | 249.62 | BF WES |
| 223 | 756316.98 | 3650843.01 | 32 | 58 | 3.3432 | 114 | 15 | 27.5926 | 249.50 | BF WES |
| 221 | 756315.52 | 3650845.45 | 32 | 58 | 3.4235 | 114 | 15 | 27.6463 | 249.66 | BF WES |
| 216 | 756322.84 | 3650849.40 | 32 | 58 | 3.5455 | 114 | 15 | 27.3607 | 249.81 | BF WES |
| 212 | 756320.47 | 3650850.92 | 32 | 58 | 3.5967 | 114 | 15 | 27.4504 | 249.56 | BF WES |
| 210 | 756318.90 | 3650850.88 | 32 | 58 | 3.5969 | 114 | 15 | 27.5109 | 249.51 | BF WES |
| 211 | 756318.69 | 3650850.25 | 32 | 58 | 3.5766 | 114 | 15 | 27.5196 | 249.55 | BF WES |
| 215 | 756321.04 | 3650847.98 | 32 | 58 | 3.5009 | 114 | 15 | 27.4313 | 249.77 | BF WES |
| 213 | 756320.34 | 3650850.57 | 32 | 58 | 3.5856 | 114 | 15 | 27.4558 | 249.56 | BF WES |
| 222 | 756317.17 | 3650843.48 | 32 | 58 | 3.3582 | 114 | 15 | 27.5847 | 249.48 | BF WESRAD |
| 224 | 756309.60 | 3650843.76 | 32 | 58 | 3.3736 | 114 | 15 | 27.8758 | 249.65 | BF WESRAD |
| 220 | 756315.70 | 3650846.44 | 32 | 58 | 3.4554 | 114 | 15 | 27.6484 | 249.54 | BF WESRAD |
| 214 | 756320.75 | 3650849.11 | 32 | 58 | 3.5379 | 114 | 15 | 27.4414 | 249.63 | BF WESRAD-5 |
| 174 | 756381.26 | 3650892.73 | 32 | 58 | 4.9015 | 114 | 15 | 25.0695 | 250.86 | C CRL |
| 172 | 756380.95 | 3650896.04 | 32 | 58 | 5.0091 | 114 | 15 | 25.0779 | 250.85 | C CRL |
| 178 | 756380.59 | 3650887.82 | 32 | 58 | 4.7430 | 114 | 15 | 25.0999 | 250.79 | C CRL |
| 176 | 756382.19 | 3650892.3 | 32 | 58 | 4.8868 | 114 | 15 | 25.0340 | 250.88 | C CRL |
| 169 | 756372.52 | 3650901.66 | 32 | 58 | 5.1985 | 114 | 15 | 25.3969 | 250.30 | C CRLBMB |
| 170 | 756373.45 | 3650901.32 | 32 | 58 | 5.1868 | 114 | 15 | 25.3614 | 250.37 | C CRLBMB |
| 179 | 756383.09 | 3650891.86 | 32 | 58 | 4.8717 | 114 | 15 | 24.9999 | 250.87 | C CRLDOWEL |
| 180 | 756383.30 | 3650893.23 | 32 | 58 | 4.9161 | 114 | 15 | 24.9904 | 250.90 | C CRLRAD |
| 171 | 756380.28 | 3650895.90 | 32 | 58 | 5.0052 | 114 | 15 | 25.1041 | 250.80 | C CRLRAD10 |
| 173 | 756380.72 | 3650892.72 | 32 | 58 | 4.9018 | 114 | 15 | 25.0902 | 250.84 | C CRLRAD17 |
| 175 | 756381.57 | 3650892.16 | 32 | 58 | 4.8830 | 114 | 15 | 25.0580 | 250.84 | C CRLRAD21 |

(Sheet 2 of 5)

Table H2 (Continued)

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|------------|
| 177 | 756380.11 | 3650887.81 | 32 | 58 | 4.7431 | 114 | 15 | 25.1187 | 250.76 | C CRLRAD24 |
| 168 | 756366.47 | 3650902.74 | 32 | 58 | 5.2388 | 114 | 15 | 25.6285 | 250.38 | C NEPH4 |
| 165 | 756377.90 | 3650889.76 | 32 | 58 | 4.8082 | 114 | 15 | 25.2017 | 250.77 | C R |
| 166 | 756380.64 | 3650891.01 | 32 | 58 | 4.8464 | 114 | 15 | 25.0950 | 250.84 | C R |
| 164 | 756382.94 | 3650885.51 | 32 | 58 | 4.6660 | 114 | 15 | 25.0121 | 250.74 | C SHADOW |
| 163 | 756385.60 | 3650888.74 | 32 | 58 | 4.7684 | 114 | 15 | 24.9065 | 250.80 | C TOWER |
| 244 | 756385.60 | 3650888.74 | 32 | 58 | 4.7684 | 114 | 15 | 24.9065 | 250.80 | C TOWER C |
| 162 | 756392.44 | 3650890.86 | 32 | 58 | 4.8315 | 114 | 15 | 24.6411 | 250.97 | C UPDWNRAD |
| 181 | 756370.97 | 3650884.60 | 32 | 58 | 4.6466 | 114 | 15 | 25.4735 | 250.56 | C WESMOIST |
| 252 | 756189.66 | 3650839.74 | 32 | 58 | 3.3446 | 114 | 15 | 32.4950 | 251.53 | CAMLOC |
| 246 | 756189.83 | 3650839.74 | 32 | 58 | 3.3444 | 114 | 15 | 32.4885 | 251.58 | CAMSTAKE |
| 138 | 756364.79 | 3650828.41 | 32 | 58 | 2.8292 | 114 | 15 | 25.7675 | 249.75 | CATI D |
| 139 | 756364.67 | 3650828.00 | 32 | 58 | 2.8161 | 114 | 15 | 25.7725 | 249.77 | CATI D |
| 142 | 756359.00 | 3650826.03 | 32 | 58 | 2.7568 | 114 | 15 | 25.9929 | 249.76 | CATI D |
| 141 | 756363.04 | 3650828.64 | 32 | 58 | 2.8381 | 114 | 15 | 25.8347 | 249.57 | CATI D |
| 140 | 756362.87 | 3650829.10 | 32 | 58 | 2.8532 | 114 | 15 | 25.8407 | 249.57 | CATI D |
| 134 | 756370.94 | 3650822.65 | 32 | 58 | 2.6372 | 114 | 15 | 25.5367 | 249.76 | CATI D |
| 133 | 756370.43 | 3650822.95 | 32 | 58 | 2.6474 | 114 | 15 | 25.5562 | 249.73 | CATI D |
| 135 | 756370.93 | 3650822.64 | 32 | 58 | 2.6369 | 114 | 15 | 25.5371 | 249.76 | CATI D |
| 137 | 756366.79 | 3650829.49 | 32 | 58 | 2.8625 | 114 | 15 | 25.6897 | 249.92 | CATI D |
| 136 | 756366.66 | 3650829.78 | 32 | 58 | 2.8719 | 114 | 15 | 25.6941 | 249.91 | CATI D |
| 143 | 756359.04 | 3650825.30 | 32 | 58 | 2.7331 | 114 | 15 | 25.9918 | 249.79 | CATI D |
| 147 | 756361.44 | 3650819.41 | 32 | 58 | 2.5401 | 114 | 15 | 25.9057 | 249.59 | CATI D |
| 148 | 756361.86 | 3650818.92 | 32 | 58 | 2.5239 | 114 | 15 | 25.8899 | 249.55 | CATI D |
| 146 | 756363.68 | 3650821.62 | 32 | 58 | 2.6100 | 114 | 15 | 25.8172 | 249.52 | CATI D |
| 144 | 756362.38 | 3650823.30 | 32 | 58 | 2.6655 | 114 | 15 | 25.8654 | 249.46 | CATI D |
| 145 | 756362.68 | 3650822.71 | 32 | 58 | 2.6460 | 114 | 15 | 25.8547 | 249.46 | CATI D |
| 132 | 756375.66 | 3650804.47 | 32 | 58 | 2.0434 | 114 | 15 | 25.3732 | 249.80 | D CRLDOWEL |
| 117 | 756387.55 | 3650805.41 | 32 | 58 | 2.0638 | 114 | 15 | 27.9148 | 249.95 | D CRLMOIST |
| 120 | 756381.80 | 3650797.08 | 32 | 58 | 1.7984 | 114 | 15 | 25.1445 | 249.83 | D NEPH3 |

(Sheet 3 of 5)

Table H2 (Continued)

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|-------------|-----|---------|--------|-----|----------|---------|-----------|------------|
| 128 | 756374.58 | 3650806.44 | 32 | 58 | 2.1083 | 114 | 15 | 25.4131 | 249.70 | D R |
| 126 | 756372.91 | 3650807.76 | 32 | 58 | 2.1524 | 114 | 15 | 25.4759 | 249.70 | D R |
| 124 | 756373.91 | 3650809.05 | 32 | 58 | 2.1934 | 114 | 15 | 25.4361 | 249.69 | D R |
| 130 | 756376.02 | 3650804.61 | 32 | 58 | 2.0478 | 114 | 15 | 25.3593 | 249.82 | D R |
| 122 | 756370.49 | 3650806.73 | 32 | 58 | 2.1211 | 114 | 15 | 25.5700 | 249.72 | D RATE |
| 131 | 756376.75 | 3650804.51 | 32 | 58 | 2.0437 | 114 | 15 | 25.3315 | 249.85 | D S |
| 129 | 756375.22 | 3650806.38 | 32 | 58 | 2.1058 | 114 | 15 | 25.3884 | 249.75 | D S |
| 127 | 756373.64 | 3650807.63 | 32 | 58 | 2.1475 | 114 | 15 | 25.4480 | 249.71 | D S |
| 125 | 756374.46 | 3650808.90 | 32 | 58 | 2.1882 | 114 | 15 | 25.4153 | 249.71 | D S |
| 121 | 756377.10 | 3650801.32 | 32 | 58 | 1.9400 | 114 | 15 | 25.3210 | 249.81 | D TOWER |
| 243 | 756377.10 | 3650801.32 | 32 | 58 | 1.9400 | 114 | 15 | 25.3210 | 249.81 | D TOWER D |
| 123 | 756368.47 | 3650796.09 | 32 | 58 | 1.7778 | 114 | 15 | 25.6585 | 249.59 | D TRACK |
| 118 | 756386.63 | 3650804.38 | 32 | 58 | 2.0313 | 114 | 15 | 24.9515 | 249.94 | D UPDWNRAD |
| 116 | 756388.95 | 3650811.90 | 32 | 58 | 2.2731 | 114 | 15 | 24.8544 | 249.99 | D WESMOIST |
| 51 | 756076.01 | 3650892.66 | 32 | 58 | 5.1574 | 114 | 15 | 36.8148 | 249.76 | E CRLDOWEL |
| 68 | 756092.30 | 3650892.09 | 32 | 58 | 5.1250 | 114 | 15 | 36.1886 | 249.67 | E CRLMOIST |
| 50 | 756080.74 | 3650894.19 | 32 | 58 | 5.2031 | 114 | 15 | 36.6312 | 250.02 | E E |
| 48 | 756087.45 | 3650881.68 | 32 | 58 | 4.7914 | 114 | 15 | 36.3859 | 249.44 | E NEPH1 |
| 52 | 756076.00 | 3650898.38 | 32 | 58 | 5.3428 | 114 | 15 | 36.8096 | 249.87 | E R |
| 53 | 756080.50 | 3650900.97 | 32 | 58 | 5.4230 | 114 | 15 | 36.6338 | 250.23 | E R |
| 234 | 756077.38 | 3650878.97 | 32 | 58 | 4.7121 | 114 | 15 | 36.7760 | 249.60 | E RAD |
| 235 | 756074.42 | 3650881.18 | 32 | 58 | 4.7861 | 114 | 15 | 36.8876 | 249.49 | E RAD |
| 236 | 756072.79 | 3650886.93 | 32 | 58 | 4.9743 | 114 | 15 | 36.9447 | 249.39 | E RAD |
| 233 | 756079.55 | 3650882.05 | 32 | 58 | 4.8102 | 114 | 15 | 36.6892 | 249.76 | E RAD |
| 241 | 756080.74 | 3650894.19 | 32 | 58 | 5.2031 | 114 | 15 | 36.6312 | 250.02 | E TOWER E |
| 49 | 756078.34 | 3650890.61 | 32 | 58 | 5.0890 | 114 | 15 | 36.7272 | 249.82 | E UPDWNRAD |
| 67 | 756091.22 | 3650892.04 | 32 | 58 | 5.1242 | 114 | 15 | 36.2304 | 249.77 | E WESMOIST |
| 37 | 756039.69 | 3650792.30 | 32 | 58 | 1.9325 | 114 | 15 | 38.3130 | 245.45 | F CRLDOWEL |
| 40 | 756053.28 | 3650798.99 | 32 | 58 | 2.1380 | 114 | 15 | 37.7835 | 245.64 | F CRLMOIST |
| 36 | 756039.83 | 36507853.10 | 32 | 58 | 1.6988 | 114 | 15 | 38.3150 | 245.43 | F F |

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Table H3
Miscellaneous Survey Locations

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|------------|
| 257 | 755987.96 | 3650817.67 | 32 | 58 | 2.7991 | 114 | 15 | 40.2780 | 249.59 | TP4 |
| 34 | 756009.84 | 3650809.47 | 32 | 58 | 2.5147 | 114 | 15 | 39.4443 | 247.38 | REF |
| 32 | 756028.97 | 3650855.00 | 32 | 58 | 3.9754 | 114 | 15 | 38.6627 | 246.56 | TNW |
| 227 | 256028.97 | 3650855.00 | 32 | 58 | 3.9755 | 114 | 15 | 38.6625 | 246.57 | TP4-TNW BS |
| 239 | 256029.47 | 3650825.20 | 32 | 58 | 3.0083 | 114 | 15 | 38.6735 | 246.77 | TP2-TSW BS |
| 259 | 756057.08 | 3650839.61 | 32 | 58 | 3.4524 | 114 | 15 | 37.5986 | 246.81 | TIPCEN |
| 254 | 756085.76 | 3650824.97 | 32 | 58 | 2.9534 | 114 | 15 | 36.5078 | 246.08 | TIPSE |
| 253 | 756089.02 | 3650854.19 | 32 | 58 | 3.8985 | 114 | 15 | 36.3527 | 247.65 | TIPNE |
| 13 | 756352.60 | 3650872.94 | 32 | 58 | 4.2838 | 114 | 15 | 26.1922 | 250.40 | ANW |
| 247 | 756353.61 | 3650813.21 | 32 | 58 | 2.3455 | 114 | 15 | 26.2129 | 249.16 | ASLSW |
| 251 | 756383.25 | 3650842.33 | 32 | 58 | 3.2652 | 114 | 15 | 25.0435 | 250.21 | ASLCEN |
| 250 | 756411.42 | 3650811.72 | 32 | 58 | 2.2483 | 114 | 15 | 23.9903 | 250.21 | ASLSE |
| 249 | 756415.12 | 3650871.66 | 32 | 58 | 4.1895 | 114 | 15 | 23.7874 | 250.38 | ASLNE |
| 1.000 | 756454.72 | 3650834.23 | 32 | 58 | 2.9419 | 114 | 15 | 22.3013 | 250.83 | TP1 BS |
| 10 | 756512.05 | 3650823.89 | 32 | 58 | 2.5580 | 114 | 15 | 20.1059 | 251.48 | TP2 |
| 30 | 756546.15 | 3650856.57 | 32 | 58 | 3.5892 | 114 | 15 | 18.7611 | 252.25 | TP3 |

TABLE H4
SENSOR/VAN LOCATIONS

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|-----------------|
| 85 | 756232.52 | 3650854.92 | 32 | 58 | 3.8008 | 114 | 15 | 30.8306 | 256.03 | HDL SENSOR |
| 84 | 756237.37 | 3650859.76 | 32 | 58 | 3.9537 | 114 | 15 | 30.6389 | 252.34 | HDL TL |
| 83 | 765238.27 | 3650870.35 | 32 | 58 | 4.2964 | 114 | 15 | 30.5940 | 252.33 | HDL TL |
| 26 | 756328.52 | 3650768.81 | 32 | 58 | 0.9255 | 114 | 15 | 27.2232 | 249.33 | NEC ASLTRAIL |
| 28 | 756341.92 | 3650757.59 | 32 | 58 | 9.5513 | 114 | 15 | 26.7186 | 249.24 | NEC ASLTRAIL |
| 27 | 756319.38 | 3650750.09 | 32 | 58 | 0.5542 | 114 | 15 | 27.5863 | 249.16 | SEC ASLTRAIL |
| 29 | 756337.04 | 3650751.73 | 32 | 58 | 0.3653 | 114 | 15 | 26.9122 | 249.24 | SEC ASLTRAIL |
| 237 | 756182.13 | 3650825.45 | 32 | 58 | 2.8877 | 114 | 15 | 32.7991 | 250.99 | WES BB |
| 238 | 756182.09 | 3650826.05 | 32 | 58 | 2.9072 | 114 | 15 | 32.7998 | 251.03 | WES BB |
| 86 | 756215.46 | 3650823.60 | 32 | 58 | 2.7993 | 114 | 15 | 31.5182 | 251.41 | WES TL |
| 87 | 756211.08 | 3650814.00 | 32 | 58 | 2.4916 | 114 | 15 | 31.6965 | 251.17 | WES TL |
| 300 | 756216.33 | 3650807.77 | 32 | 58 | 2.2605 | 114 | 15 | 31.5142 | 267.45 | WESIRCM |

Table H5
WES Feature Locations

| Point Number | Coords East (m) | North (M) | Deg | Lat Min | Sec | Deg | Long Min | Sec | Elev. (m) | Comment |
|--------------|-----------------|------------|-----|---------|--------|-----|----------|---------|-----------|----------|
| 184 | 756366.35 | 3650819.36 | 32 | 58 | 2.5344 | 114 | 15 | 25.7167 | 249.40 | ASL SCN1 |
| 185 | 756351.66 | 3650821.56 | 32 | 58 | 2.6182 | 114 | 15 | 26.2798 | 249.57 | ASL SCN2 |
| 186 | 756378.86 | 3650826.17 | 32 | 58 | 2.7445 | 114 | 15 | 25.2285 | 249.58 | ASL SCN3 |
| 187 | 756335.54 | 3650819.05 | 32 | 58 | 2.5502 | 114 | 15 | 26.9023 | 249.65 | ASL SCN4 |
| 188 | 756363.26 | 3650828.75 | 32 | 58 | 3.1657 | 114 | 15 | 25.8163 | 249.88 | ASL SCN5 |
| 228 | 756023.38 | 3650815.79 | 32 | 58 | 2.7084 | 114 | 15 | 38.9169 | 246.82 | TIP SCN1 |
| 229 | 756062.58 | 3650829.36 | 32 | 58 | 3.1155 | 114 | 15 | 37.3952 | 246.52 | TIP SCN2 |
| 230 | 756090.56 | 3650832.48 | 32 | 58 | 3.1931 | 114 | 15 | 36.3153 | 246.28 | TIP SCN3 |
| 231 | 756052.47 | 3650850.79 | 32 | 58 | 3.8190 | 114 | 15 | 37.7627 | 246.78 | TIP SCN4 |
| 232 | 756115.97 | 3650866.91 | 32 | 58 | 4.2884 | 114 | 15 | 35.3031 | 246.52 | TIP SCN5 |

Appendix I

Microtopography Data

Table I-1
East Grid 1

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 19.8 | 21.3 | 21.2 | 21.1 | 21.5 | 21.7 | 21.7 | 22.2 | 22.4 | 21.1 |
| 2 | 17.5 | 21.1 | 21.2 | 21.0 | 21.9 | 21.5 | 22.0 | 22.0 | 22.4 | 22.4 |
| 3 | 21.2 | 21.0 | 21.0 | 21.1 | 21.3 | 21.5 | 21.5 | 22.1 | 22.5 | 22.8 |
| 4 | 20.7 | 21.1 | 21.3 | 21.3 | 21.7 | 21.4 | 21.8 | 22.3 | 22.4 | 22.6 |
| 5 | 20.9 | 21.1 | 21.3 | 21.4 | 21.8 | 21.4 | 22.2 | 22.3 | 22.5 | 23.0 |
| 6 | 19.5 | 21.3 | 20.9 | 21.4 | 21.7 | 21.7 | 22.2 | 22.2 | 22.6 | 23.2 |
| 7 | 21.3 | 20.8 | 21.4 | 21.7 | 21.7 | 21.7 | 22.3 | 22.3 | 22.6 | 22.5 |
| 8 | 21.0 | 21.4 | 21.4 | 21.6 | 22.1 | 22.0 | 22.0 | 22.4 | 22.7 | 23.6 |
| 9 | 21.0 | 21.2 | 21.5 | 22.0 | 21.6 | 22.3 | 22.4 | 22.5 | 23.0 | 23.1 |
| 10 | 21.0 | 21.3 | 21.4 | 21.5 | 22.4 | 22.8 | 23.1 | 23.1 | 23.7 | 23.5 |

Table I-2
East Grid 2

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 18.2 | 20.6 | 20.8 | 20.8 | 20.9 | 17.8 | 22.2 | 20.8 | 23.9 | 24.3 |
| 2 | 18.9 | 19.4 | 20.4 | 20.5 | 19.6 | 21.4 | 21.9 | 23.0 | 24.2 | 23.3 |
| 3 | 19.6 | 19.2 | 19.9 | 19.9 | 16.9 | 21.0 | 21.9 | 23.1 | 23.5 | 23.6 |
| 4 | 17.9 | 19.2 | 19.7 | 19.5 | 21.6 | 21.2 | 21.7 | 22.4 | 23.2 | 24.0 |
| 5 | 18.8 | 18.5 | 19.4 | 15.3 | 20.7 | 21.3 | 21.8 | 21.8 | 23.2 | 21.8 |
| 6 | 18.9 | 18.5 | 19.4 | 18.2 | 19.2 | 21.4 | 22.0 | 22.3 | 23.0 | 22.3 |
| 7 | 19.1 | 18.1 | 19.1 | 19.2 | 19.3 | 18.0 | 21.3 | 21.4 | 22.0 | 22.3 |
| 8 | 19.6 | 18.4 | 14.3 | 17.0 | 19.3 | 18.9 | 21.4 | 20.4 | 16.1 | 22.2 |
| 9 | 15.3 | 18.3 | 18.5 | 18.0 | 18.8 | 18.5 | 17.4 | 16.8 | 20.0 | 21.8 |
| 10 | 16.8 | 17.3 | 17.0 | 17.7 | 18.6 | 18.1 | 19.6 | 20.8 | 21.0 | 22.4 |

Table I-3
East Grid 3

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 24.9 | 24.1 | 24.5 | 23.9 | 23.5 | 23.5 | 23.3 | 22.5 | 22.9 | 22.4 |
| 2 | 24.4 | 24.0 | 24.1 | 23.0 | 23.8 | 23.5 | 23.6 | 23.1 | 22.5 | 23.0 |
| 3 | 23.8 | 24.1 | 23.9 | 24.0 | 22.4 | 23.3 | 22.1 | 22.0 | 22.6 | 22.2 |
| 4 | 24.2 | 24.0 | 23.9 | 24.0 | 23.5 | 23.3 | 23.3 | 22.8 | 22.8 | 23.0 |
| 5 | 24.1 | 23.6 | 24.0 | 24.0 | 23.5 | 23.1 | 22.6 | 22.9 | 22.1 | 22.5 |
| 6 | 24.0 | 23.9 | 23.8 | 23.1 | 23.2 | 23.2 | 23.3 | 23.0 | 22.3 | 22.3 |
| 7 | 24.0 | 23.6 | 23.7 | 23.2 | 21.9 | 23.1 | 22.4 | 21.8 | 22.3 | 21.4 |
| 8 | 23.9 | 23.7 | 23.6 | 23.4 | 23.3 | 23.7 | 23.1 | 21.5 | 22.2 | 21.7 |
| 9 | 23.7 | 23.9 | 23.3 | 23.4 | 23.9 | 23.0 | 22.7 | 22.5 | 23.0 | 22.8 |
| 10 | 23.9 | 24.1 | 23.8 | 23.2 | 23.1 | 23.2 | 22.9 | 22.4 | 22.6 | 22.7 |

Table I-4
East Grid 4

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 23.0 | 23.0 | 23.5 | 22.8 | 23.3 | 23.0 | 24.0 | 23.0 | 23.2 | 23.5 |
| 2 | 23.0 | 23.2 | 23.0 | 23.0 | 23.4 | 23.0 | 23.0 | 22.6 | 22.5 | 22.8 |
| 3 | 22.8 | 22.5 | 23.2 | 22.0 | 23.8 | 22.7 | 23.0 | 22.4 | 22.5 | 23.0 |
| 4 | 21.5 | 22.4 | 22.8 | 22.0 | 23.5 | 22.5 | 22.5 | 23.4 | 23.0 | 23.2 |
| 5 | 22.0 | 21.5 | 23.2 | 22.0 | 23.4 | 22.5 | 22.0 | 22.5 | 22.8 | 22.8 |
| 6 | 21.0 | 21.6 | 21.8 | 21.8 | 22.2 | 23.0 | 22.6 | 22.2 | 23.0 | 22.5 |
| 7 | 21.9 | 20.7 | 22.0 | 23.2 | 22.0 | 22.8 | 22.5 | 22.2 | 22.2 | 22.5 |
| 8 | 20.3 | 21.7 | 19.9 | 23.4 | 22.0 | 22.5 | 22.6 | 21.0 | 22.0 | 22.0 |
| 9 | 20.8 | 21.0 | 22.0 | 21.2 | 22.0 | 22.0 | 22.0 | 21.9 | 20.5 | 21.9 |
| 10 | 21.0 | 21.1 | 21.5 | 21.0 | 22.5 | 22.0 | 22.5 | 21.9 | 19.0 | 21.0 |

Table I-5
West Grid 1

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 17.0 | 17.2 | 17.0 | 16.0 | 16.5 | 16.5 | 16.0 | 15.5 | 16.0 | 15.2 |
| 2 | 17.0 | 16.5 | 16.2 | 16.5 | 16.6 | 16.0 | 16.2 | 15.0 | 15.5 | 15.0 |
| 3 | 16.5 | 16.5 | 16.0 | 16.0 | 16.2 | 16.0 | 16.0 | 15.3 | 15.5 | 15.0 |
| 4 | 15.8 | 15.8 | 15.5 | 16.0 | 15.5 | 15.5 | 15.5 | 15.3 | 15.0 | 15.0 |
| 5 | 15.5 | 15.0 | 15.3 | 15.5 | 15.5 | 15.0 | 14.8 | 14.8 | 15.0 | 15.0 |
| 6 | 15.5 | 14.8 | 14.8 | 15.1 | 15.0 | 15.0 | 15.0 | 14.8 | 14.5 | 14.5 |
| 7 | 15.2 | 14.3 | 16.2 | 15.1 | 15.5 | 15.0 | 15.0 | 14.8 | 15.0 | 14.8 |
| 8 | 15.0 | 14.3 | 14.5 | 15.0 | 14.5 | 14.8 | 14.8 | 14.3 | 14.0 | 14.5 |
| 9 | 15.5 | 14.5 | 14.5 | 14.0 | 14.4 | 15.0 | 15.0 | 14.5 | 14.0 | 14.3 |
| 10 | 15.0 | 14.5 | 14.0 | 14.0 | 13.8 | 14.8 | 14.3 | 15.0 | 14.0 | 13.0 |

Table I-6
West Grid 2

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 19.5 | 18.8 | 19.0 | 17.5 | 19.0 | 17.0 | 17.2 | 17.5 | 17.2 | 17.0 |
| 2 | 18.5 | 18.0 | 17.4 | 17.0 | 16.5 | 16.8 | 16.0 | 16.0 | 16.0 | 16.0 |
| 3 | 18.0 | 16.8 | 16.4 | 15.2 | 16.0 | 15.8 | 14.8 | 15.5 | 15.0 | 13.0 |
| 4 | 17.0 | 15.4 | 16.0 | 15.0 | 14.9 | 14.5 | 13.8 | 14.5 | 14.5 | 15.0 |
| 5 | 17.4 | 12.3 | 15.0 | 14.5 | 14.5 | 14.0 | 12.8 | 14.0 | 14.6 | 13.8 |
| 6 | 15.3 | 15.0 | 13.9 | 13.8 | 13.8 | 13.0 | 13.0 | 13.2 | 13.3 | 13.0 |
| 7 | 14.5 | 14.0 | 14.0 | 13.2 | 13.2 | 12.8 | 13.0 | 12.3 | 11.5 | 11.8 |
| 8 | 13.6 | 13.3 | 13.3 | 12.5 | 12.8 | 12.0 | 11.8 | 12.0 | 11.8 | 11.2 |
| 9 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 | 11.5 | 11.2 | 11.8 | 11.5 | 10.0 |
| 10 | 10.5 | 12.4 | 12.0 | 11.5 | 12.0 | 11.0 | 11.4 | 10.0 | 10.8 | 10.0 |

Table I-7
West Grid 3

| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 15.0 | 15.0 | 15.5 | 15.5 | 15.5 | 16.0 | 15.6 | 15.0 | 14.8 | 15.0 |
| 2 | 15.0 | 14.5 | 14.5 | 14.5 | 15.0 | 15.0 | 15.0 | 15.0 | 14.0 | 13.5 |
| 3 | 14.4 | 14.2 | 14.5 | 14.0 | 14.5 | 14.5 | 14.8 | 14.0 | 13.8 | 14.0 |
| 4 | 14.2 | 13.5 | 14.2 | 14.0 | 14.0 | 14.0 | 14.0 | 13.5 | 13.5 | 13.5 |
| 5 | 13.8 | 13.5 | 14.0 | 13.5 | 13.8 | 13.8 | 13.8 | 12.5 | 13.3 | 13.3 |
| 6 | 13.0 | 12.8 | 13.0 | 12.5 | 12.5 | 13.0 | 12.8 | 13.0 | 13.0 | 12.5 |
| 7 | 12.6 | 12.5 | 12.5 | 11.8 | 13.0 | 12.5 | 12.8 | 13.0 | 12.8 | 12.0 |
| 8 | 11.5 | 12.5 | 12.2 | 11.5 | 12.0 | 12.0 | 12.0 | 11.8 | 12.0 | 12.9 |
| 9 | 12.0 | 11.0 | 11.8 | 11.2 | 11.5 | 11.6 | 11.6 | 12.0 | 11.5 | 11.0 |
| 10 | 11.5 | 11.2 | 11.0 | 11.5 | 10.8 | 11.8 | 11.8 | 10.5 | 11.0 | 10.8 |

Table I-8
West Grid 4

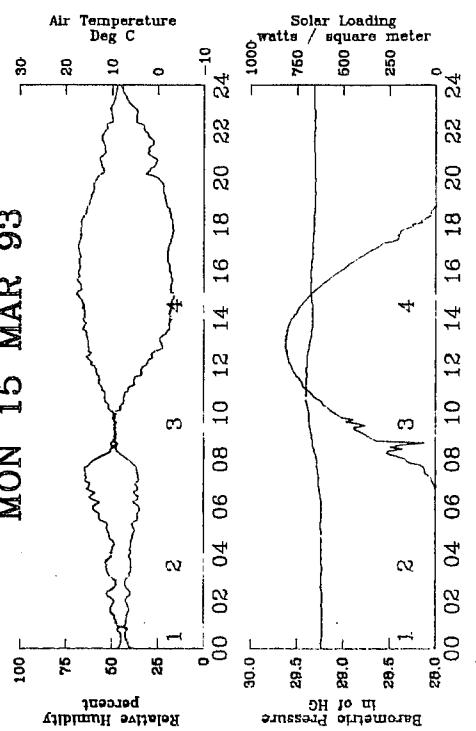
| | A | B | C | D | E | F | G | H | I | J |
|----|------|------|------|------|------|------|------|------|------|------|
| 1 | 17.0 | 16.5 | 16.0 | 17.0 | 16.8 | 17.0 | 17.8 | 18.5 | 17.5 | 17.0 |
| 2 | 16.7 | 16.0 | 16.5 | 17.0 | 17.0 | 17.0 | 17.3 | 16.6 | 17.2 | 16.5 |
| 3 | 17.0 | 16.8 | 16.5 | 16.8 | 16.3 | 17.7 | 17.0 | 17.5 | 16.3 | 15.5 |
| 4 | 17.2 | 17.5 | 16.4 | 17.0 | 13.0 | 17.0 | 16.0 | 16.5 | 16.0 | 16.0 |
| 5 | 16.8 | 17.0 | 15.8 | 17.0 | 16.0 | 16.3 | 15.3 | 13.0 | 16.5 | 16.5 |
| 6 | 16.0 | 16.2 | 16.5 | 16.0 | 17.0 | 15.8 | 15.0 | 15.0 | 16.8 | 14.5 |
| 7 | 17.0 | 16.6 | 17.0 | 16.5 | 16.0 | 15.8 | 14.5 | 17.2 | 17.0 | 14.2 |
| 8 | 16.5 | 16.0 | 16.2 | 17.2 | 16.3 | 16.0 | 16.0 | 15.4 | 13.0 | 13.5 |
| 9 | 17.0 | 17.0 | 16.5 | 16.0 | 16.0 | 16.0 | 14.5 | 14.0 | 13.0 | 12.5 |
| 10 | 15.5 | 15.8 | 14.2 | 14.0 | 14.8 | 14.8 | 14.5 | 13.0 | 10.0 | 13.5 |

Appendix J

Daily Meteorological Data Summaries

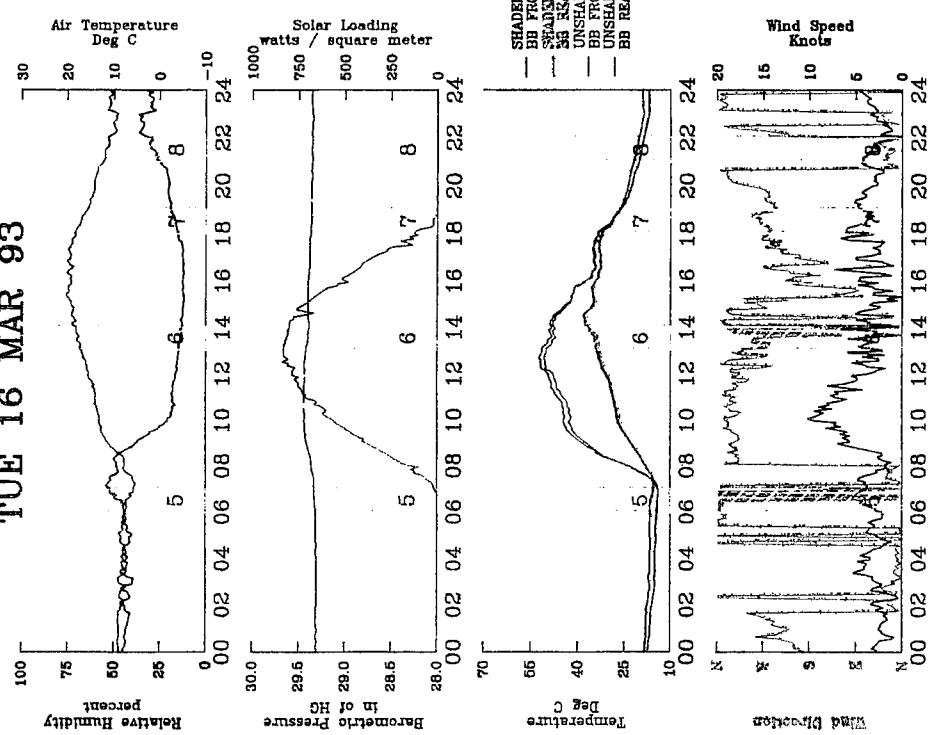
Environmental Summary

MON 15 MAR 93



Environmental Summary

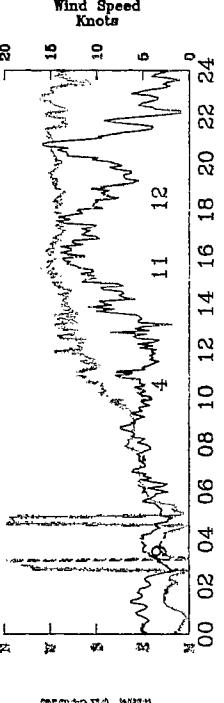
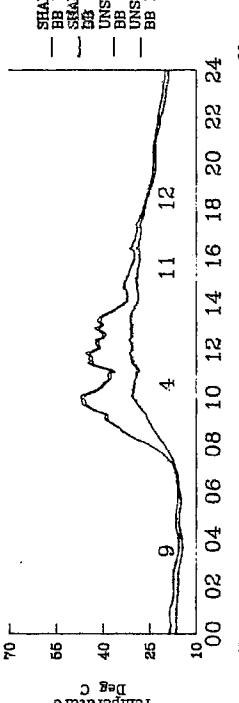
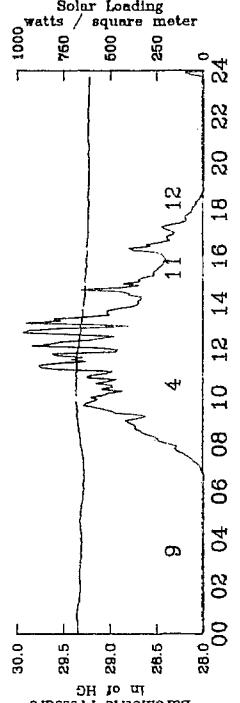
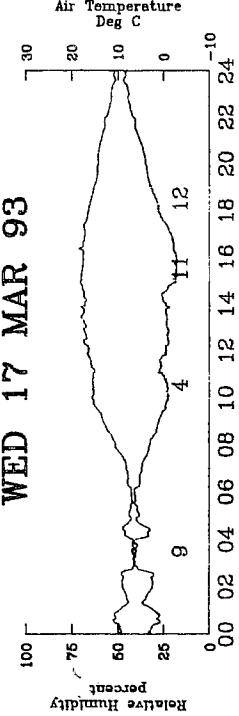
TUE 16 MAR 93



Environmental Summary

WED 17 MAR 93

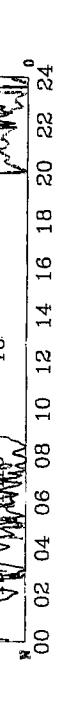
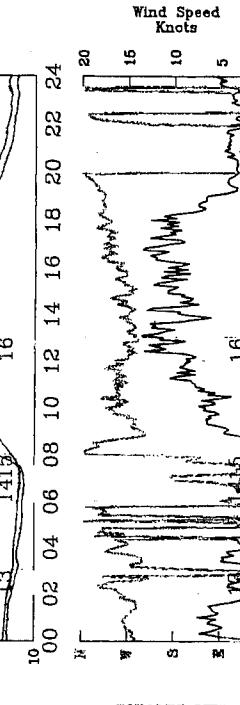
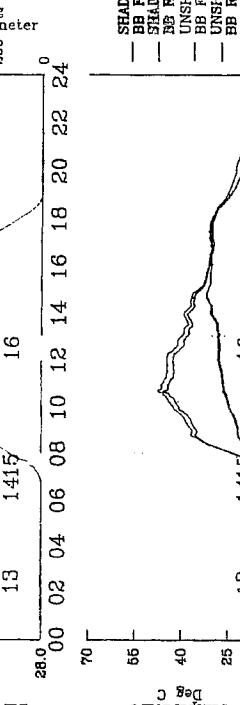
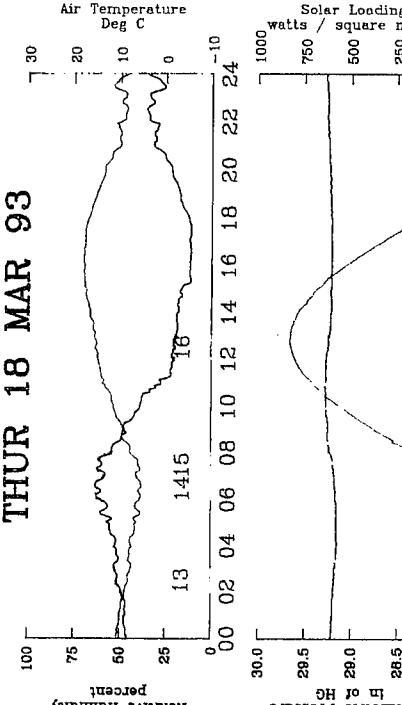
Air Temperature
Deg C



Environmental Summary

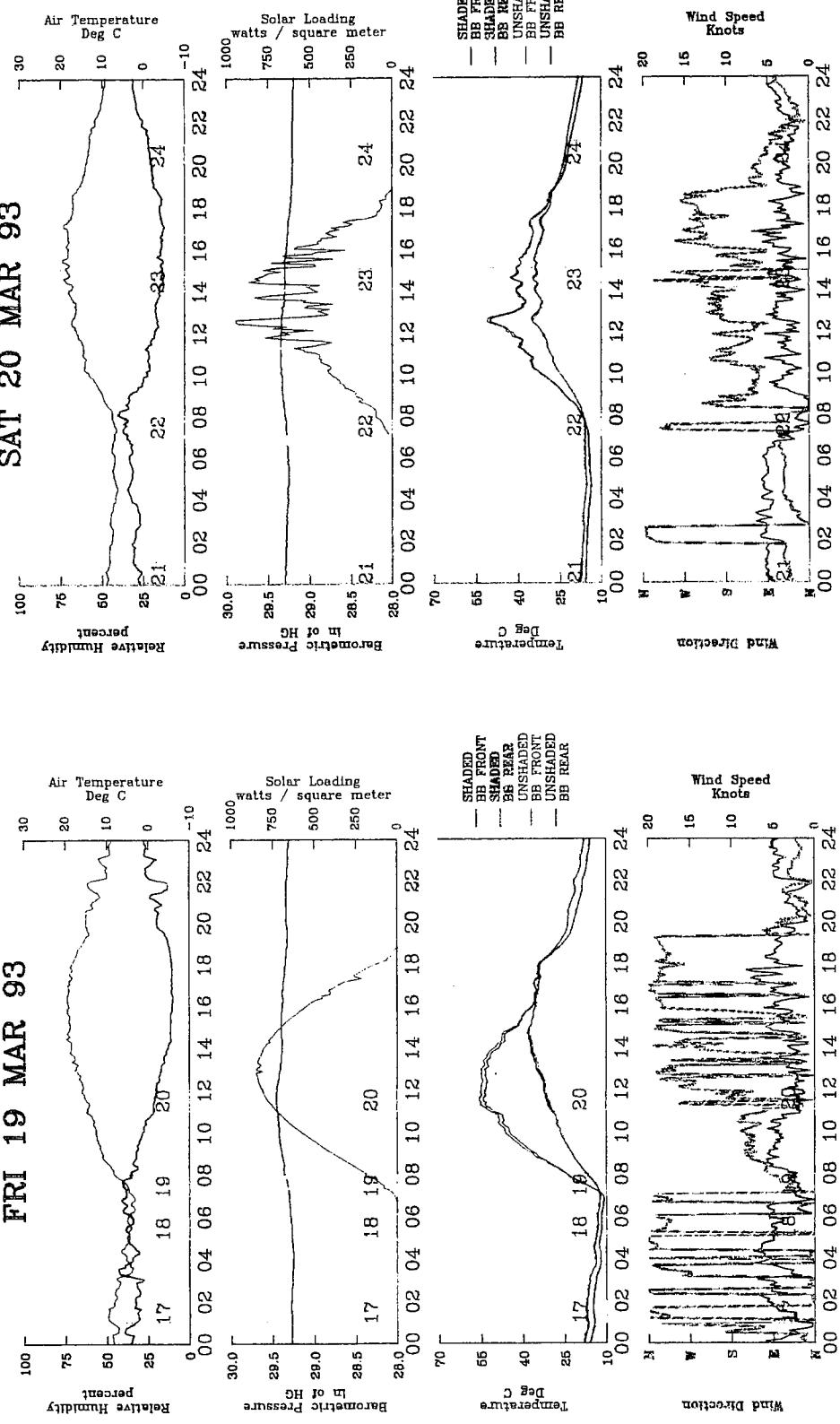
THUR 18 MAR 93

Air Temperature
Deg C



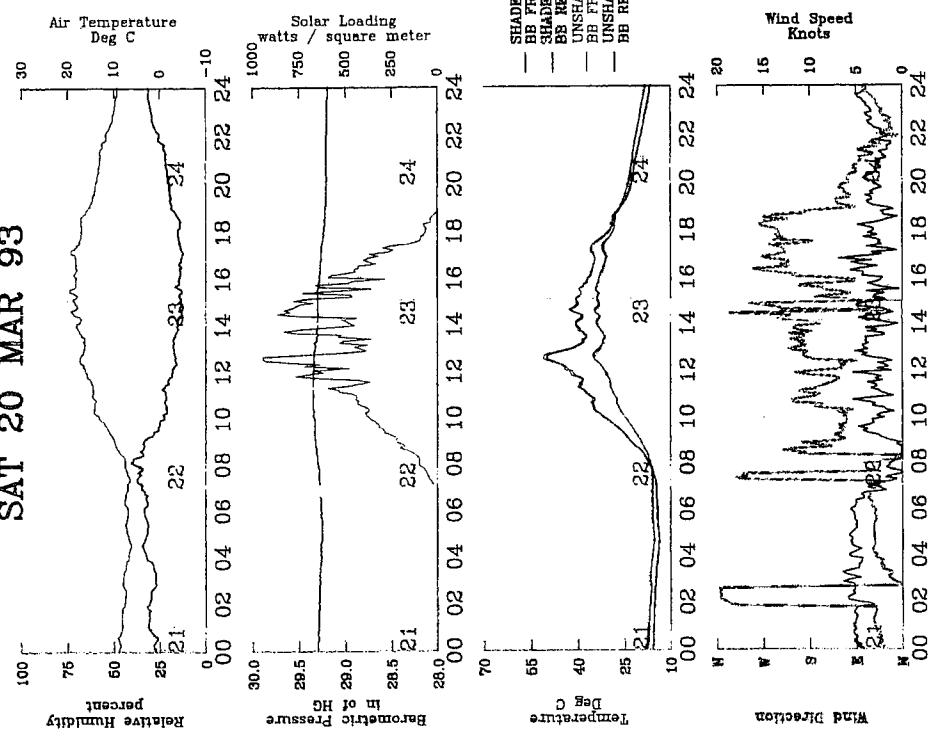
Environmental Summary

FRI 19 MAR 93



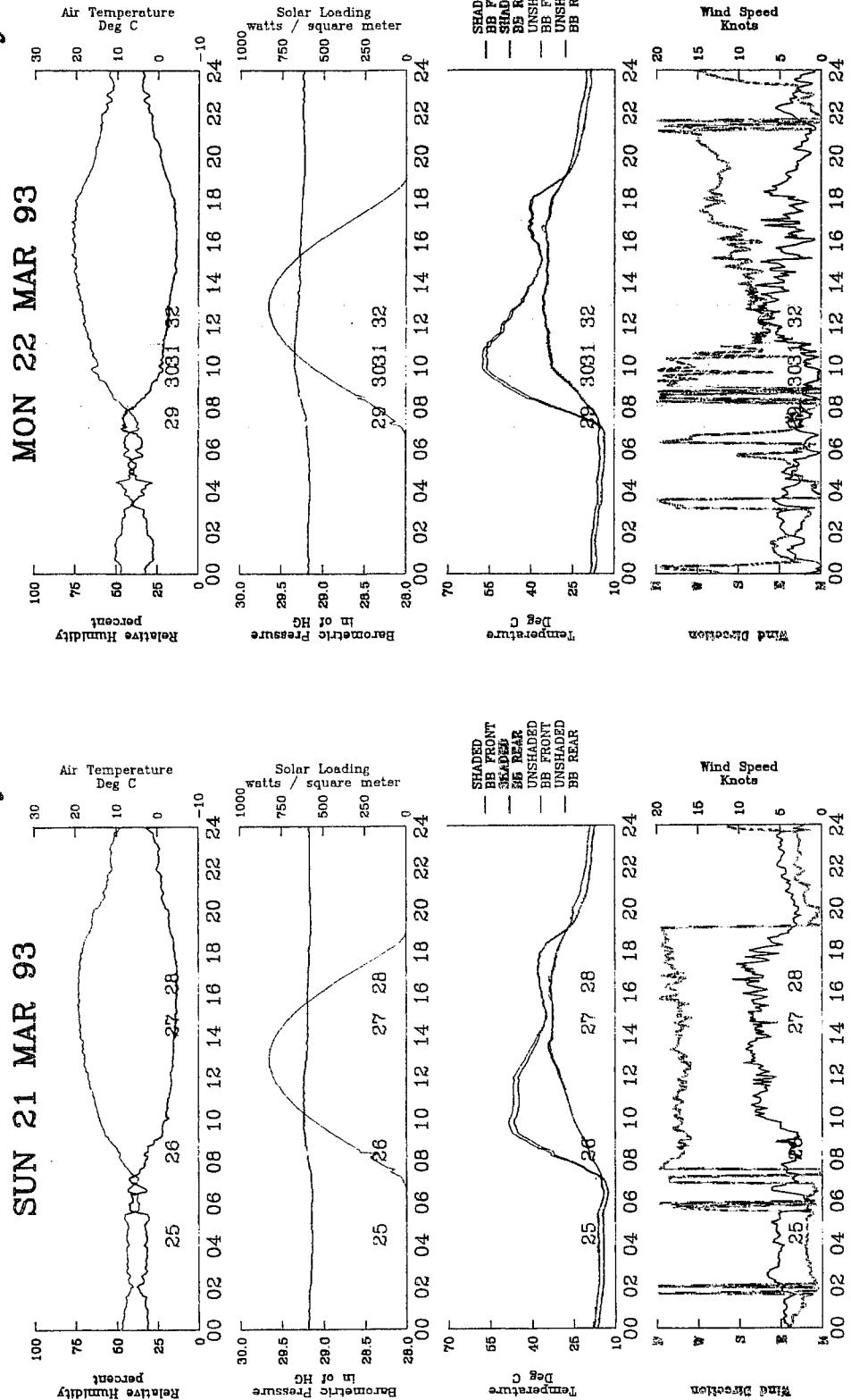
Environmental Summary

SAT 20 MAR 93



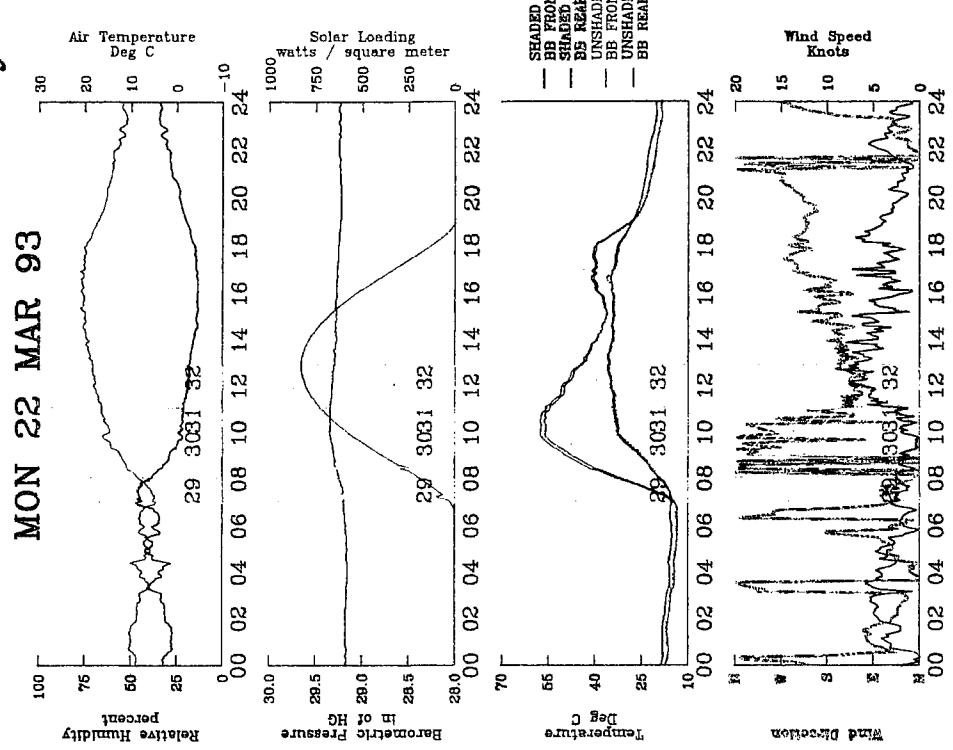
Environmental Summary

SUN 21 MAR 93



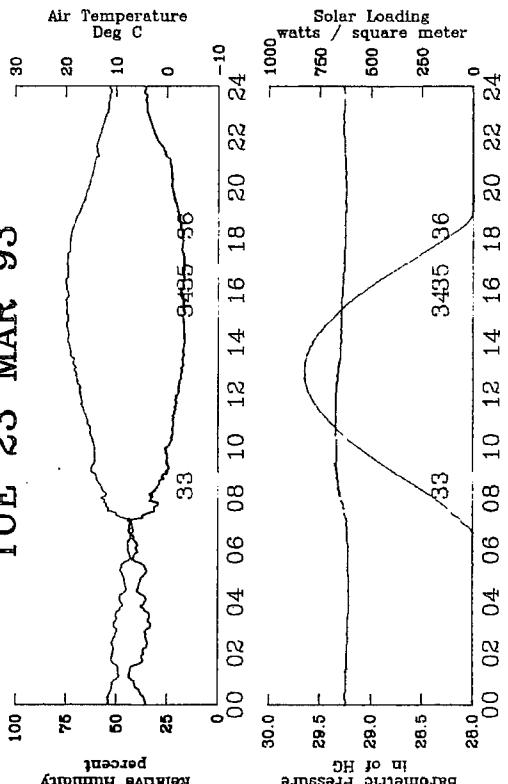
Environmental Summary

MON 22 MAR 93



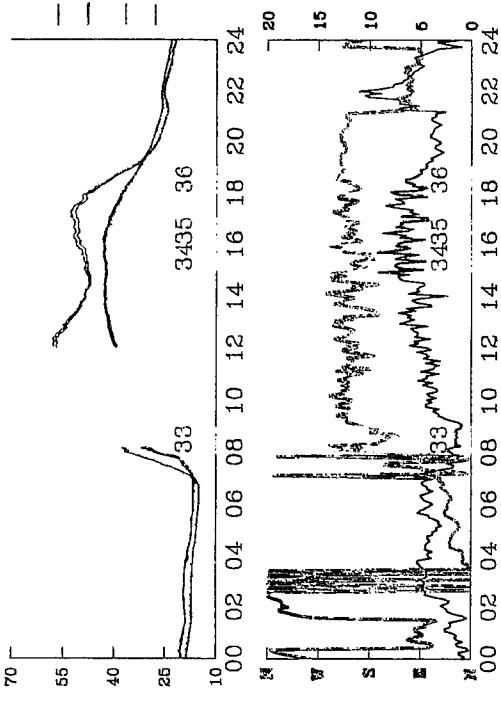
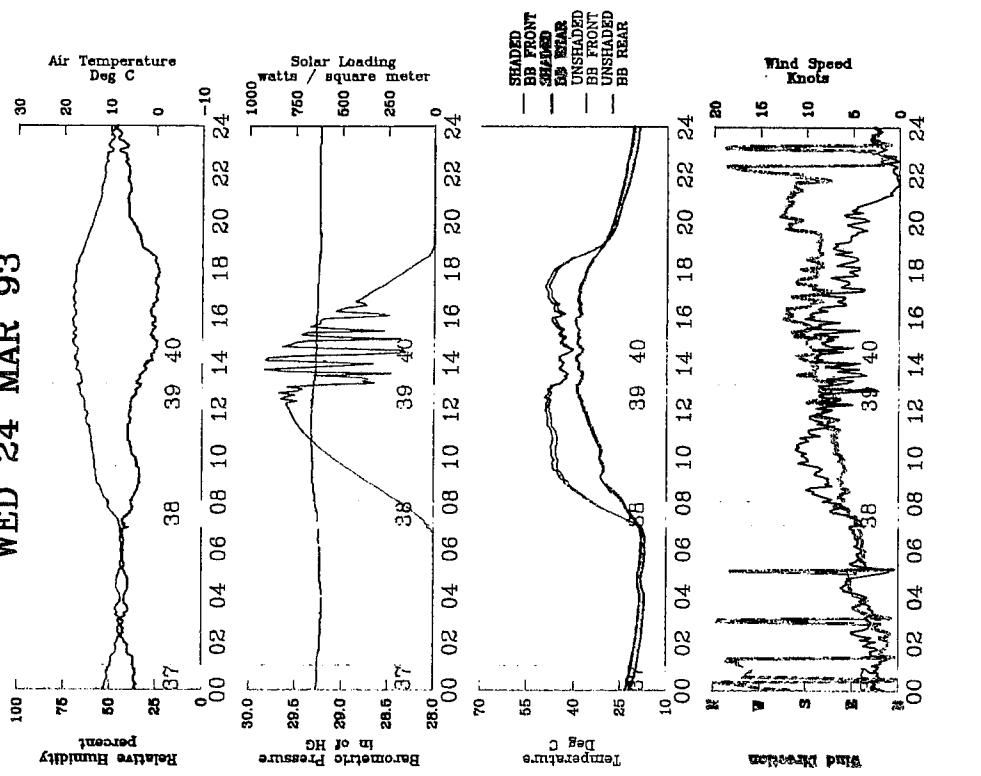
Environmental Summary

TUE 23 MAR 93



Environmental Summary

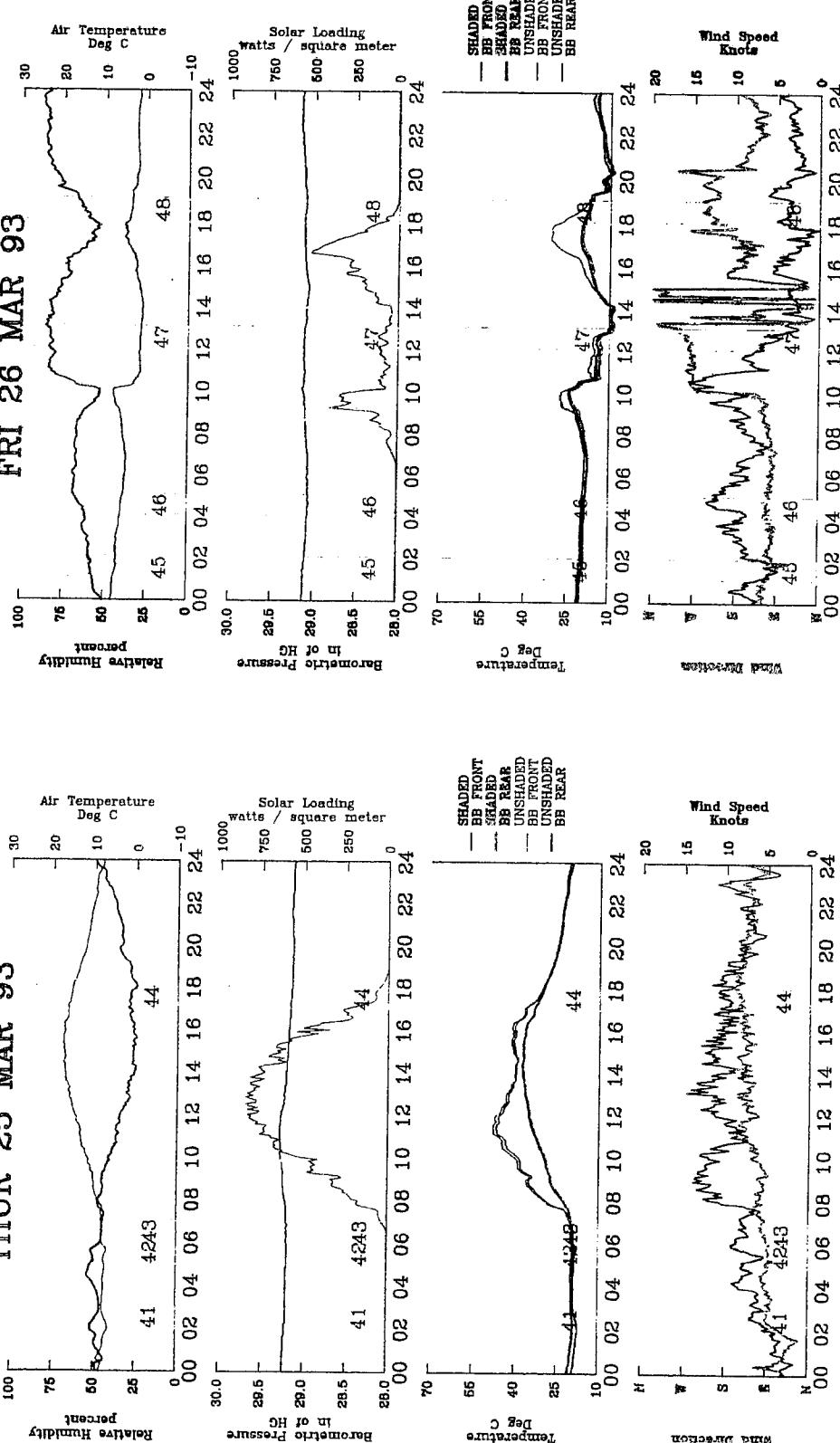
WED 24 MAR 93



Environmental Summary

THUR 25 MAR 93

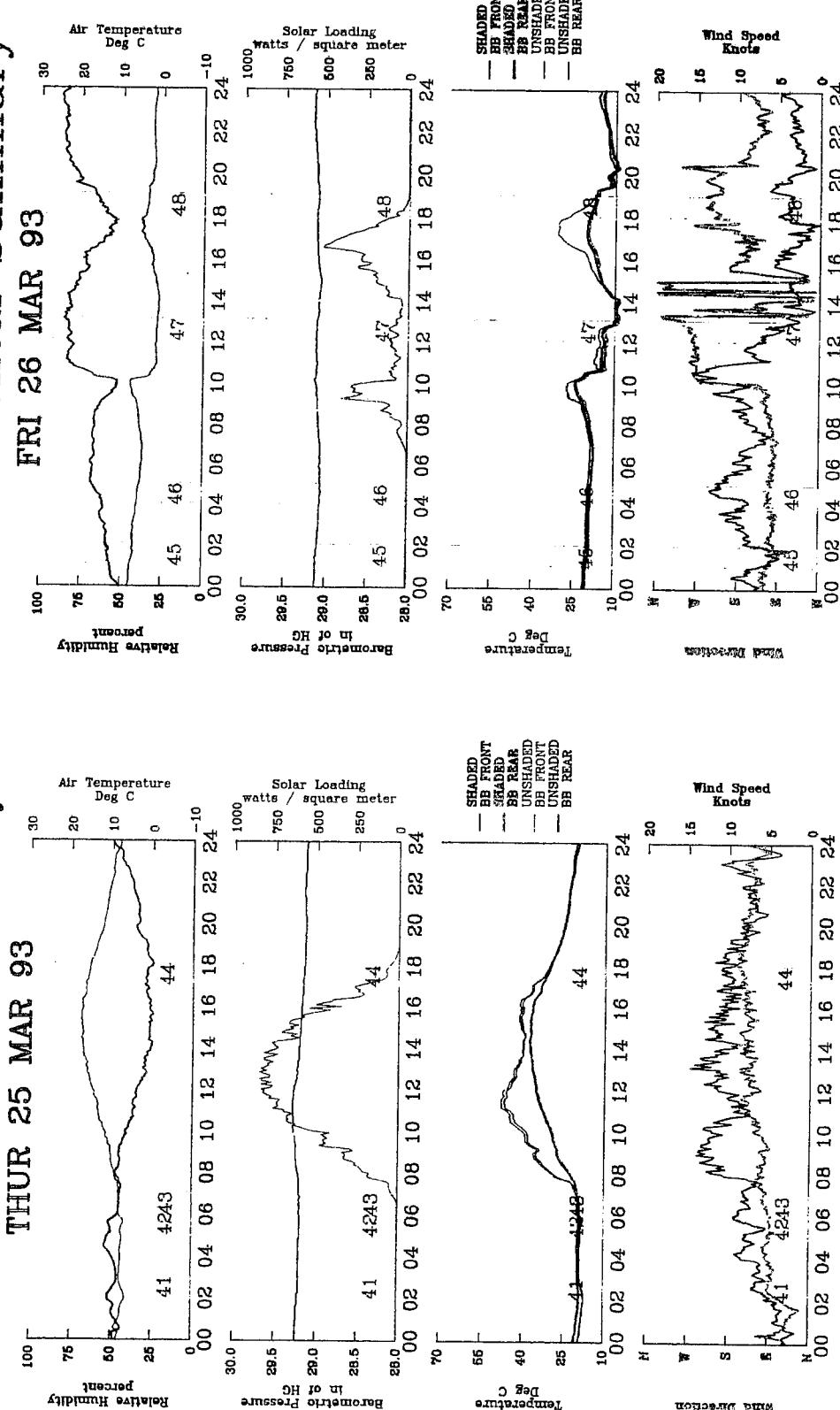
FRI 26 MAR 93



Environmental Summary

FRI 26 MAR 93

SAT 27 MAR 93



Environmental Summary

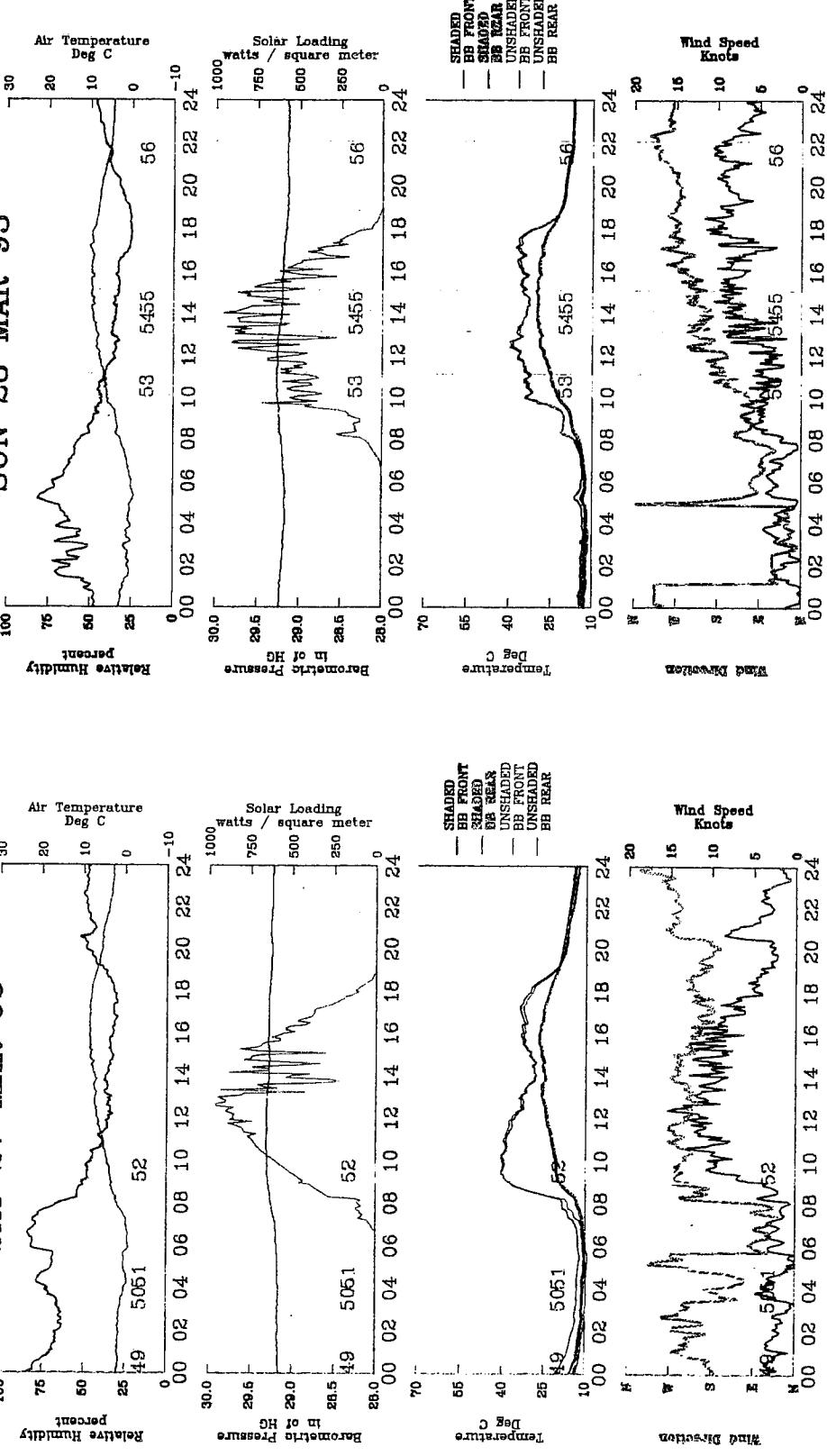
SAT 27 MAR 93

SUN 28 MAR 93

Environmental Summary

SUN 28 MAR 93

SAT 27 MAR 93



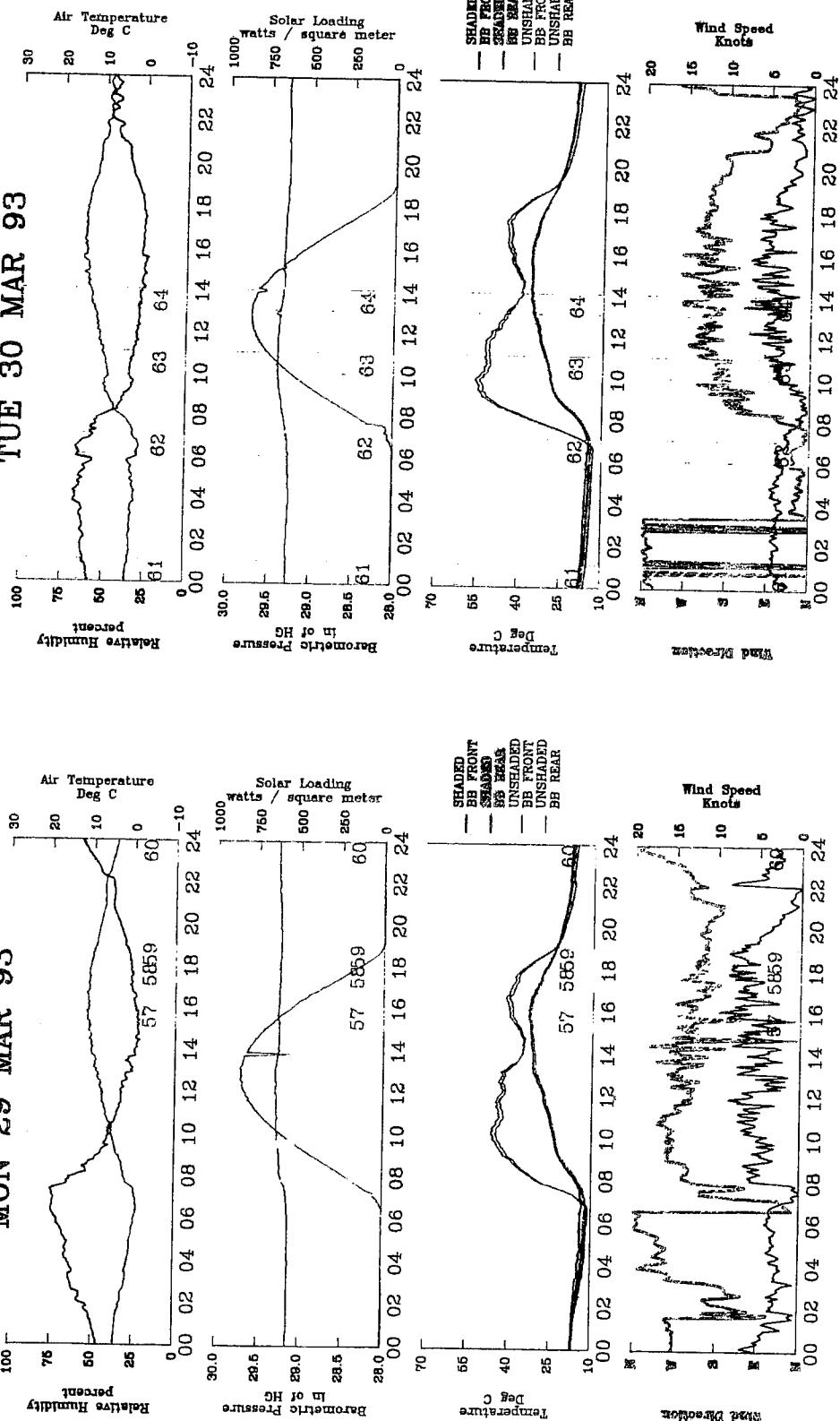
Environmental Summary

MON 29 MAR 93

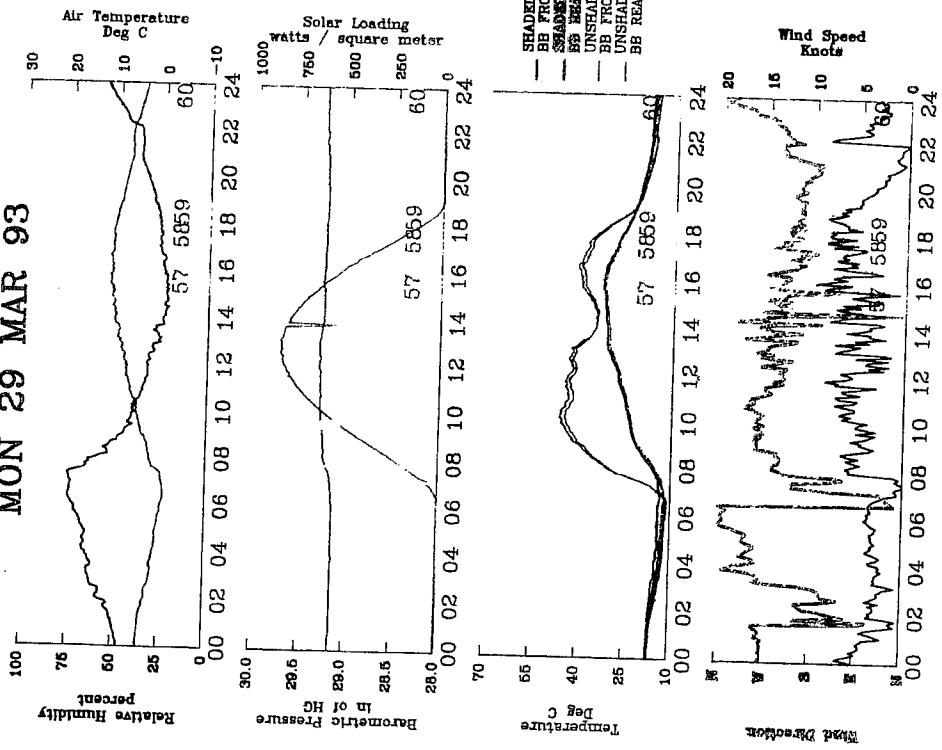
TUE 30 MAR 93

Environmental Summary

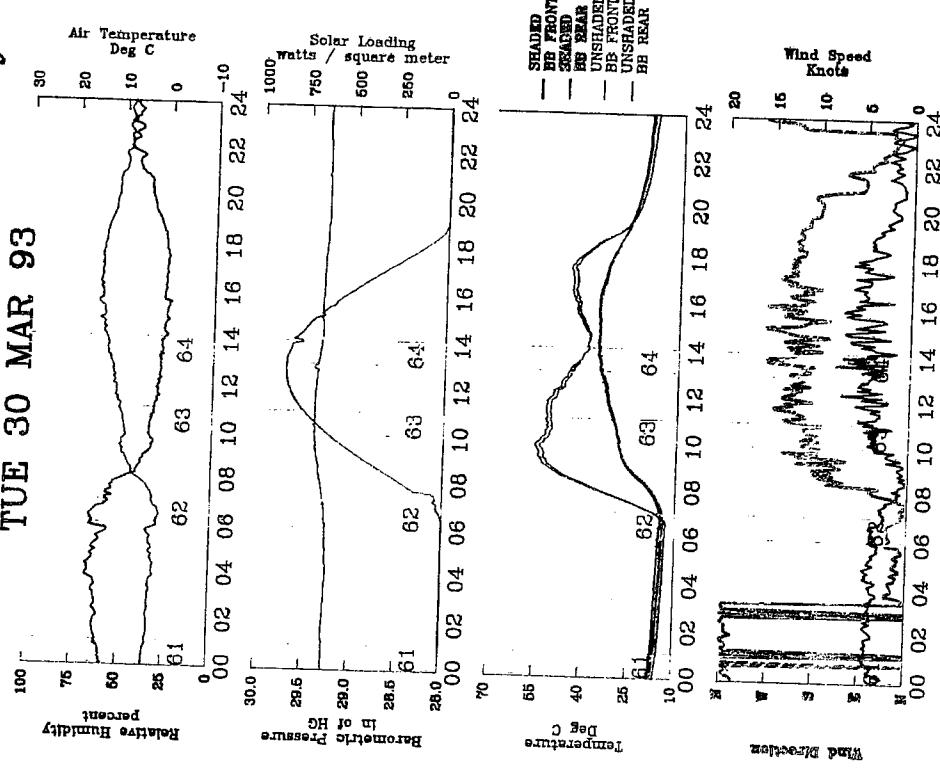
TUE 30 MAR 93



Environmental Summary MON 29 MAR 93

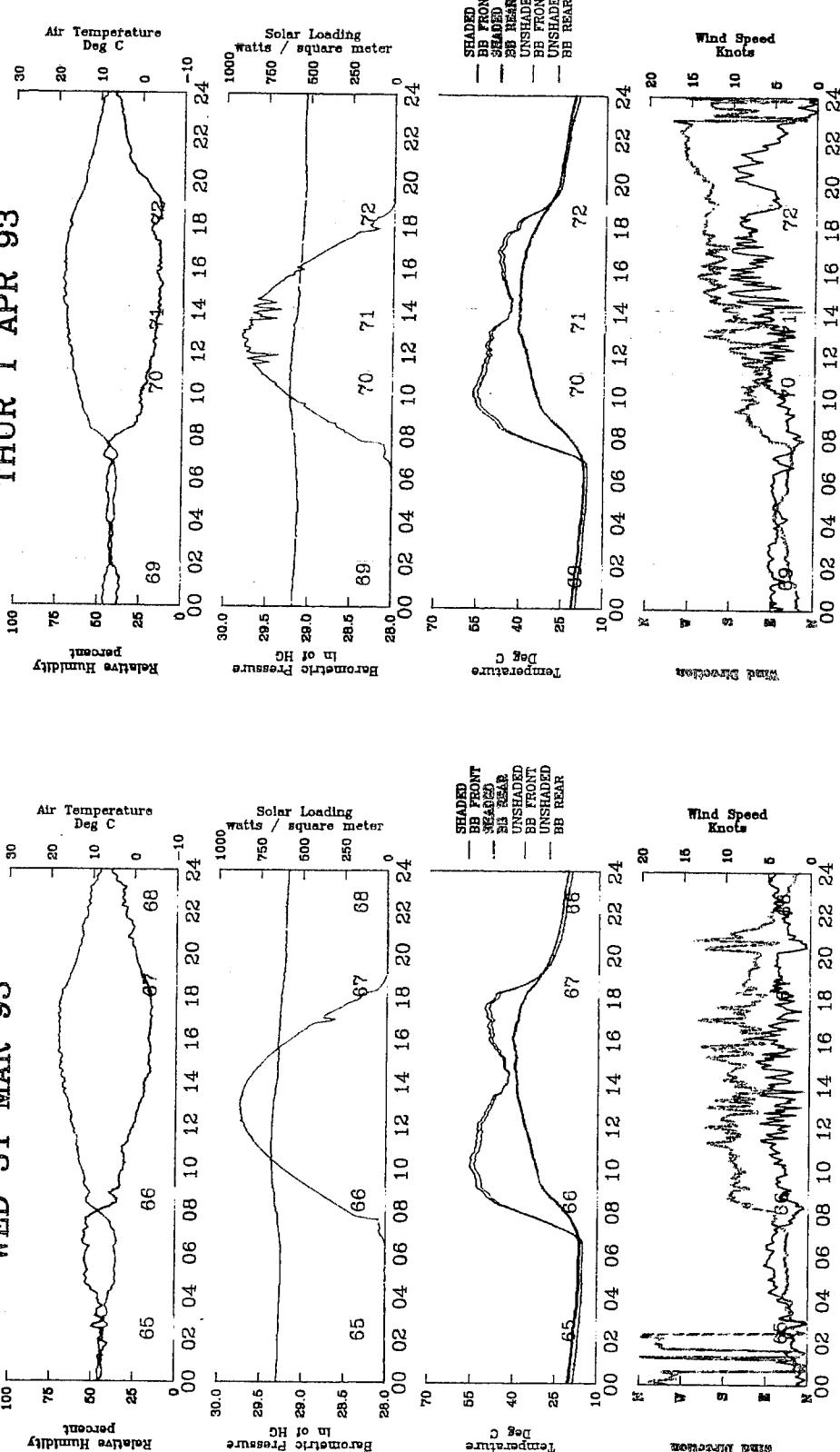


Environmental Summary TUE 30 MAR 93



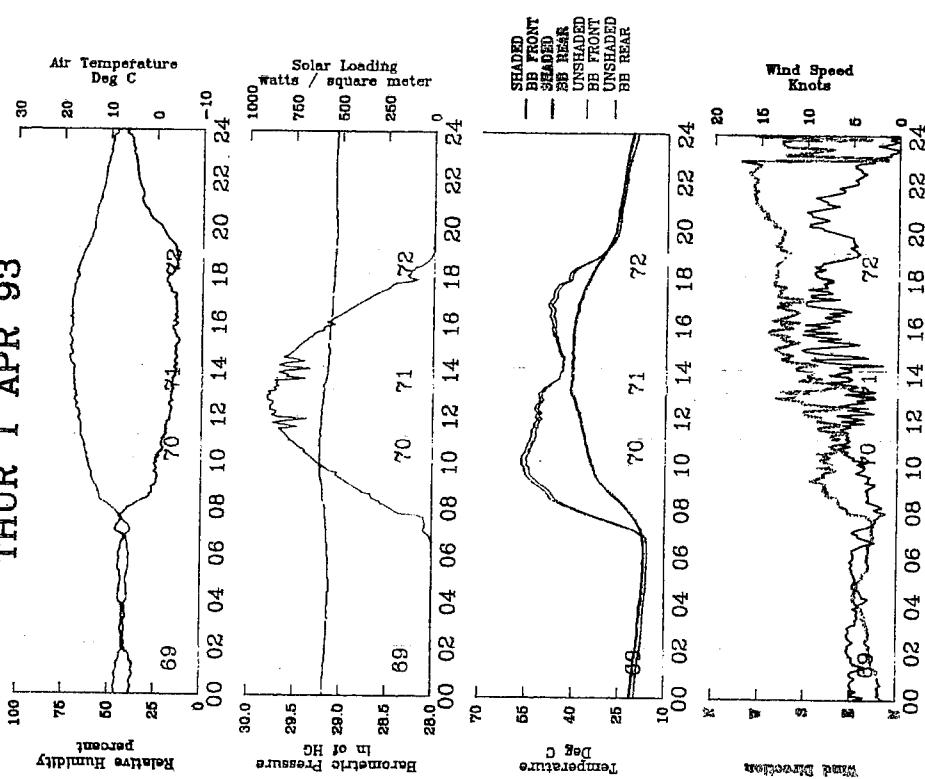
Environmental Summary

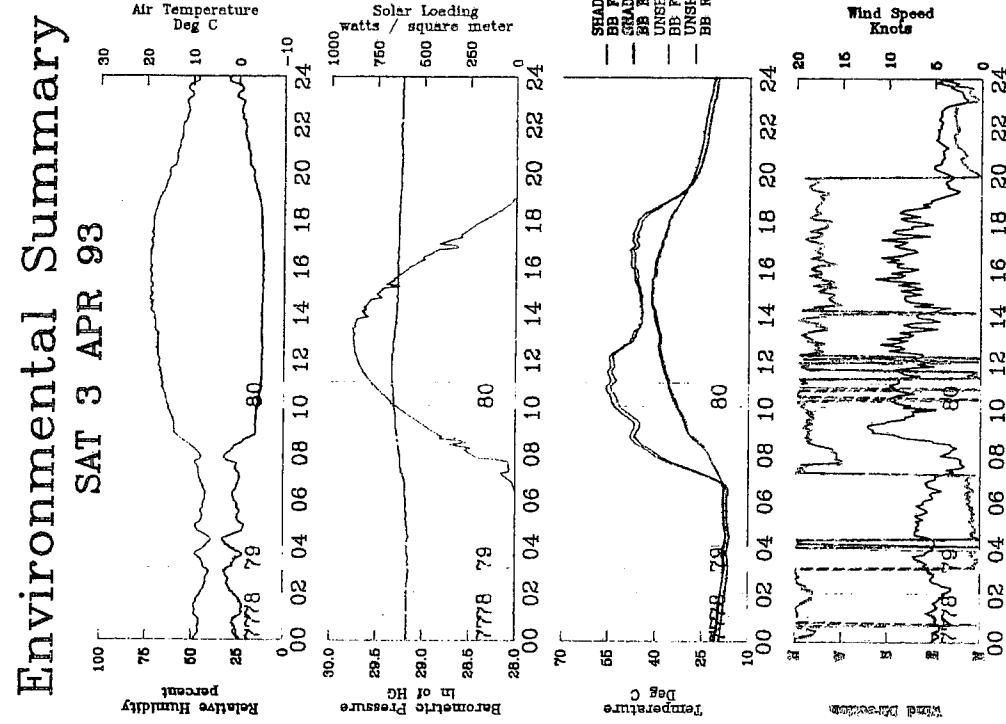
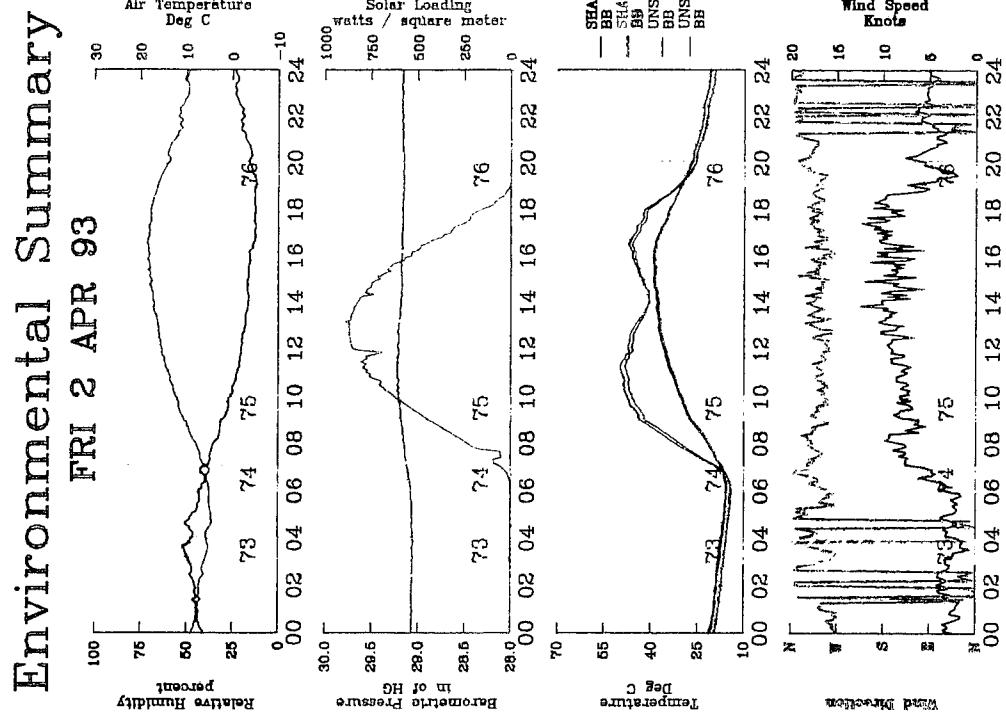
WED 31 MAR 93



Environmental Summary

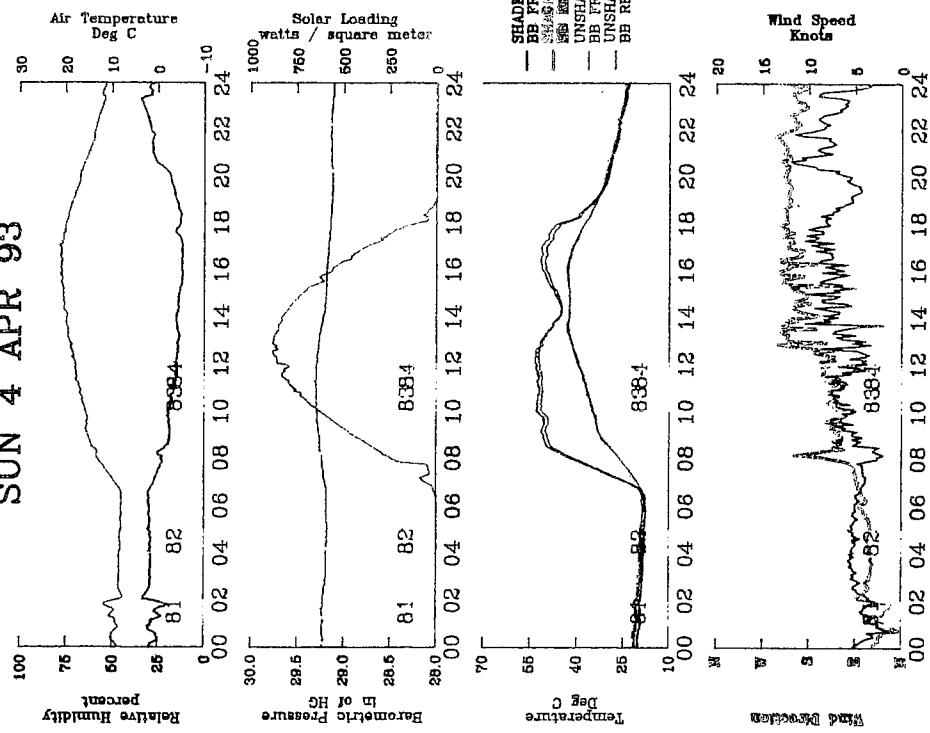
THUR 1 APR 93





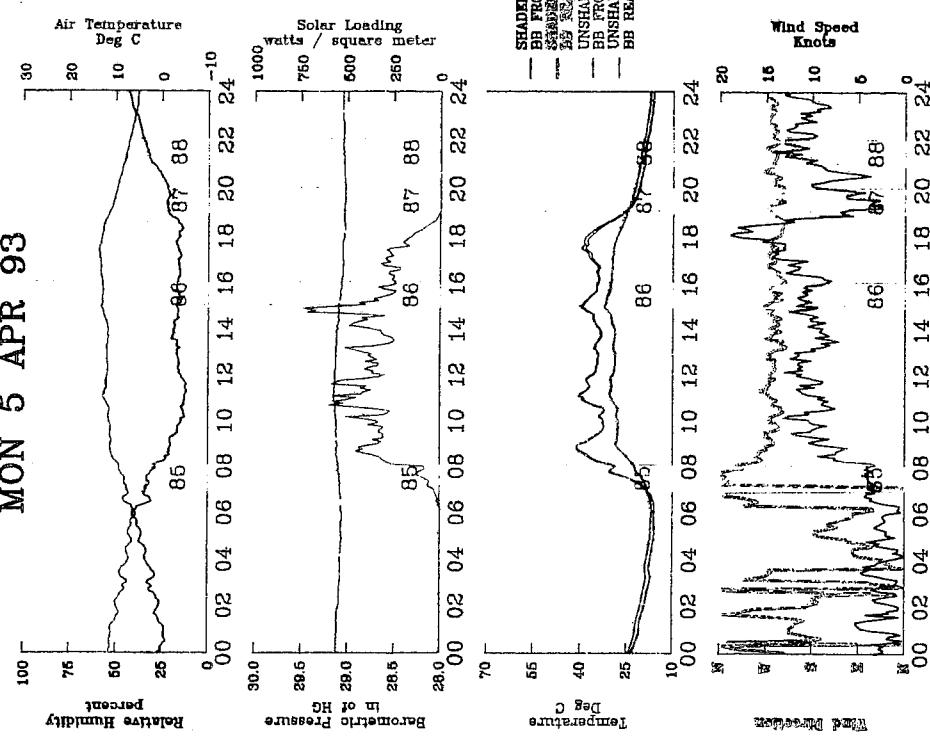
Environmental Summary

SUN 4 APR 93



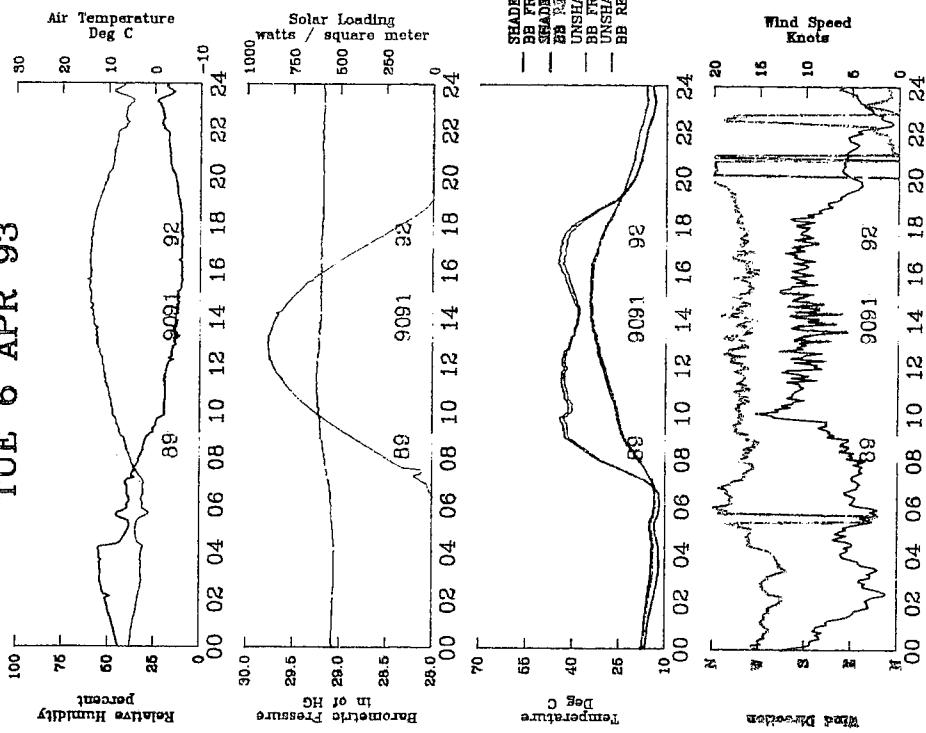
Environmental Summary

MON 5 APR 93



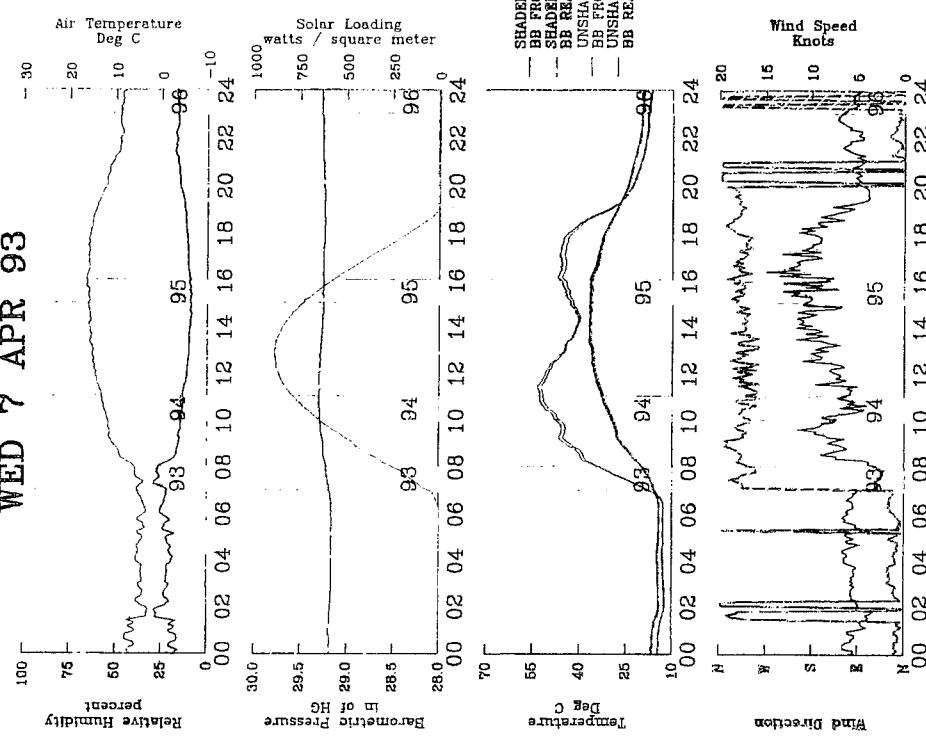
Environmental Summary

TUE 6 APR 93



Environmental Summary

WED 7 APR 93

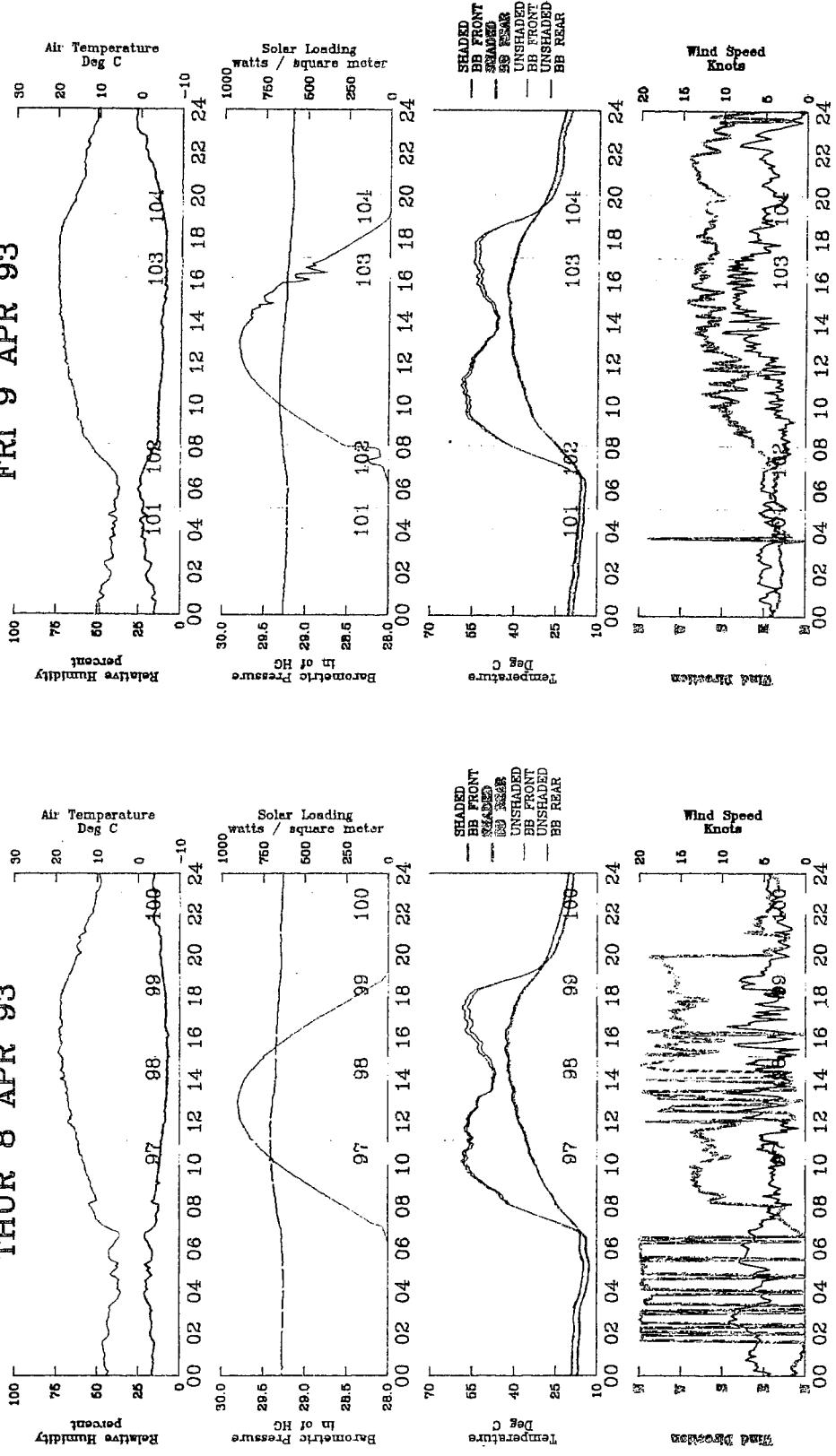


Environmental Summary

FRI 9 APR 93

Environmental Summary

THUR 8 APR 93



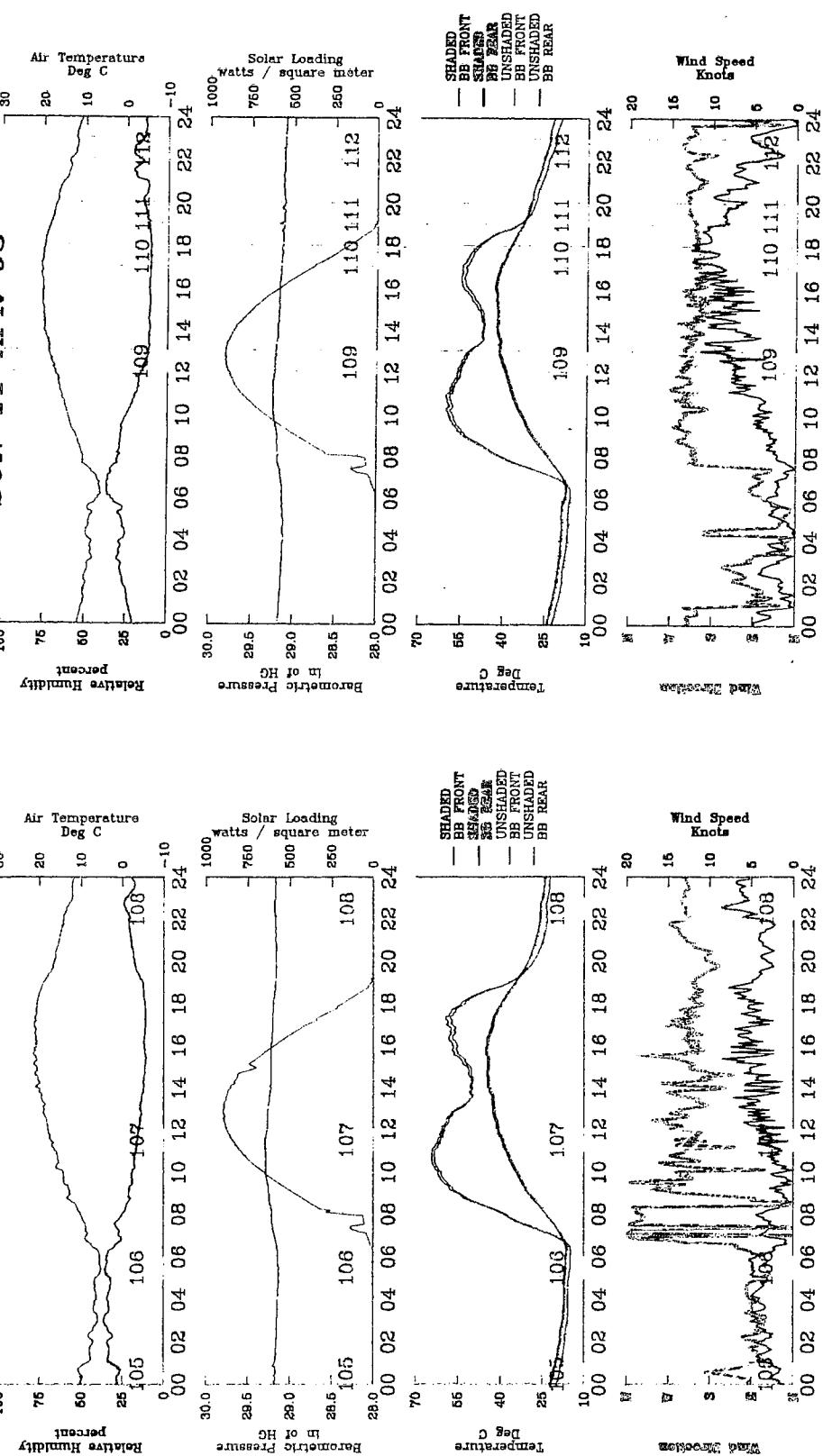
Environmental Summary

SAT 10 APR 93

SUN 11 APR 93

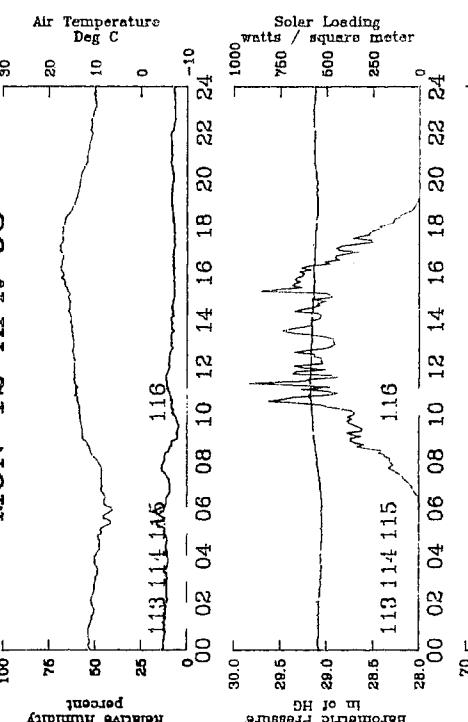
Environmental Summary

SUN 11 APR 93



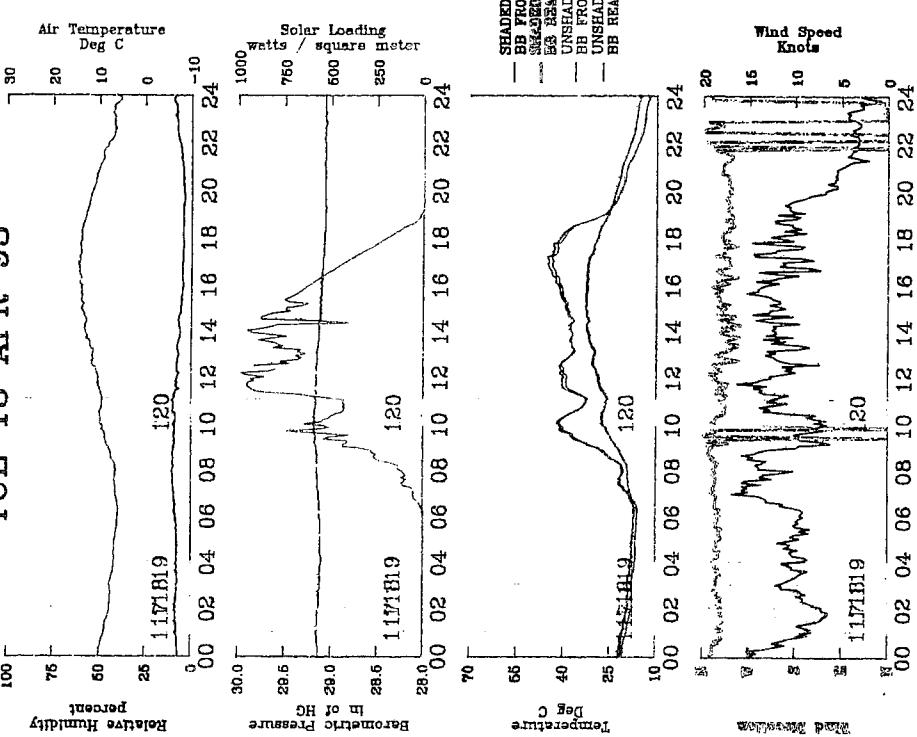
Environmental Summary

MON 12 APR 93



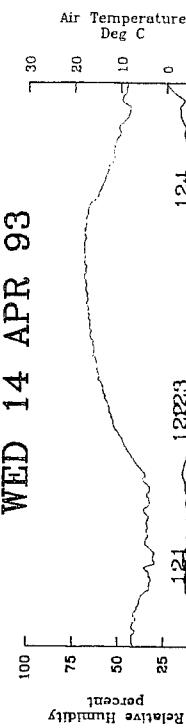
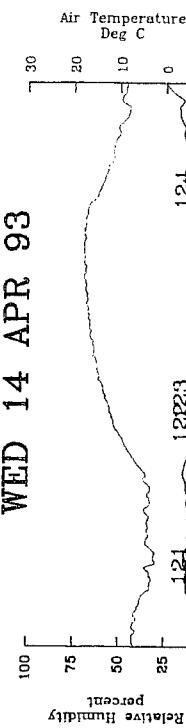
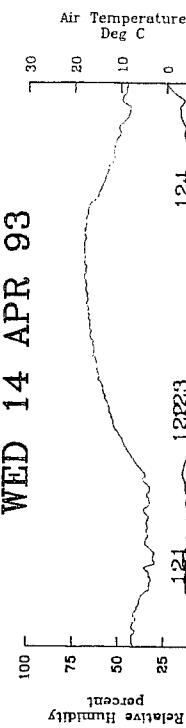
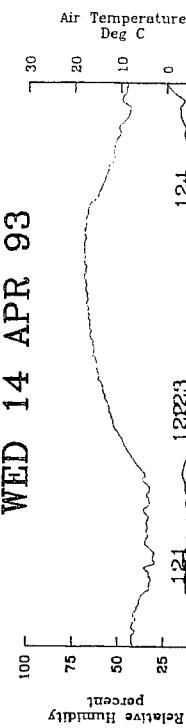
Environmental Summary

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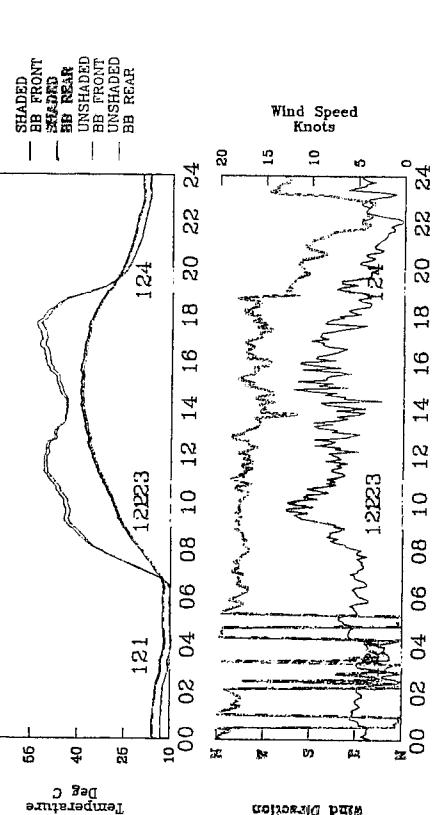
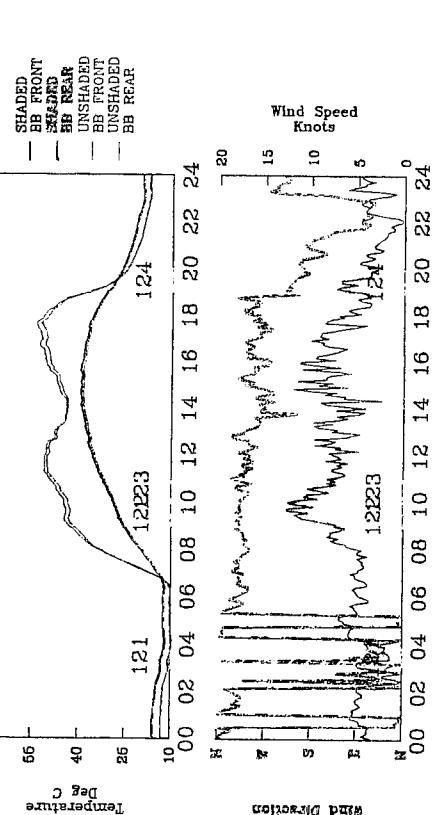
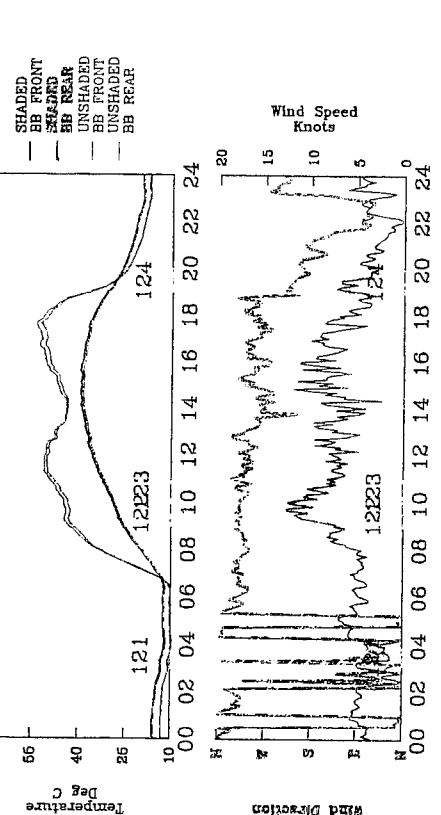
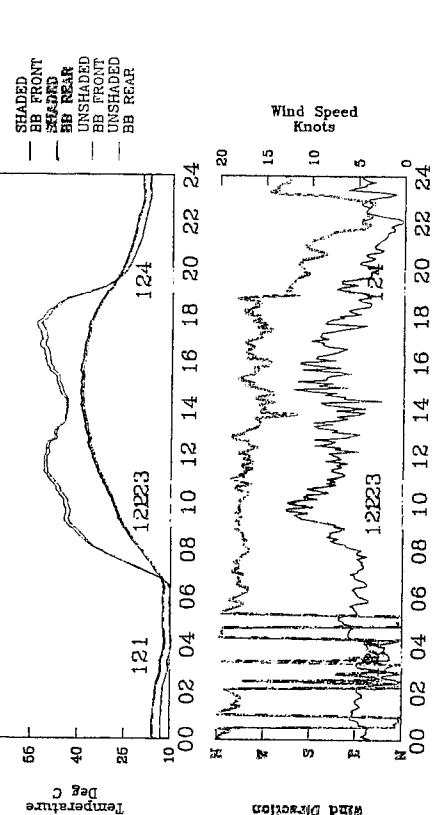
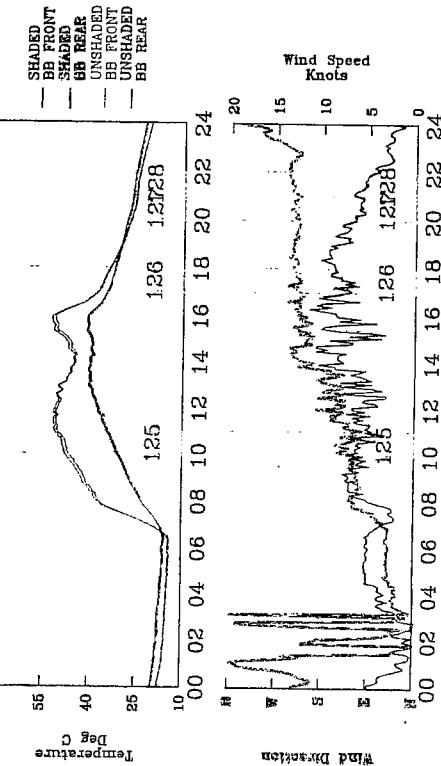
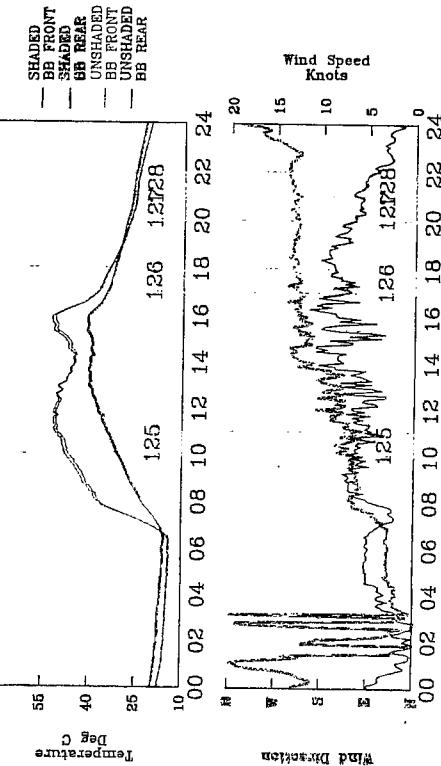
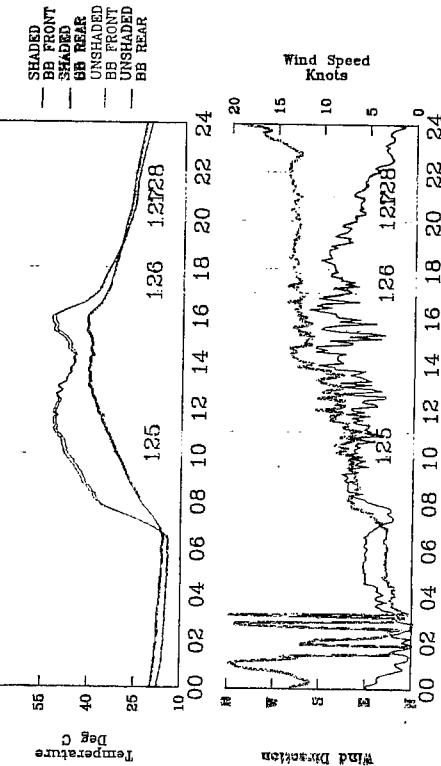
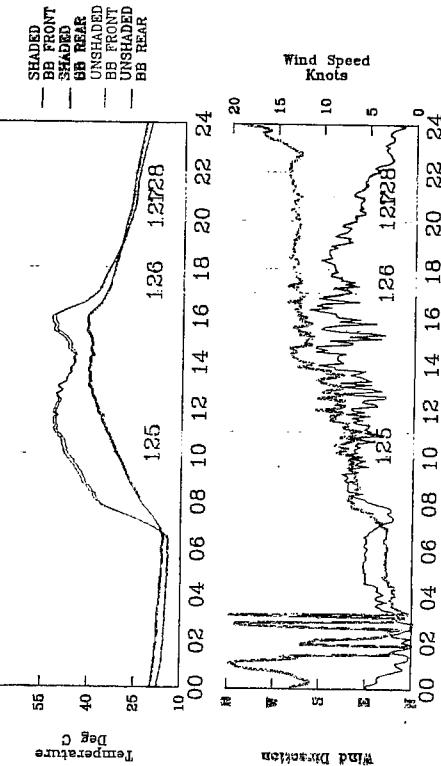
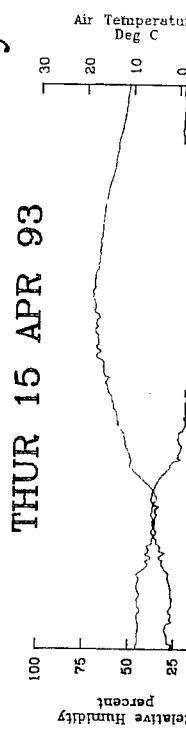
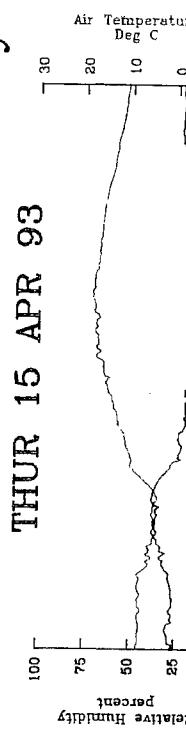
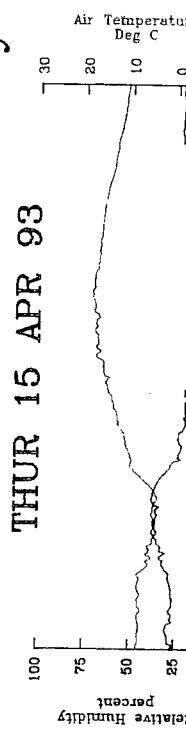
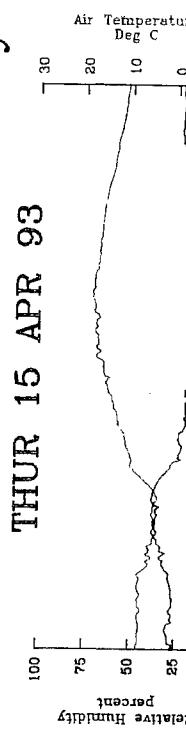
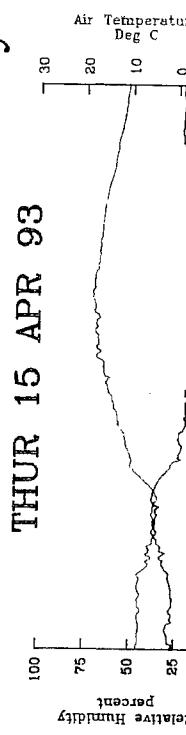
Environmental Summary

WED 14 APR 93



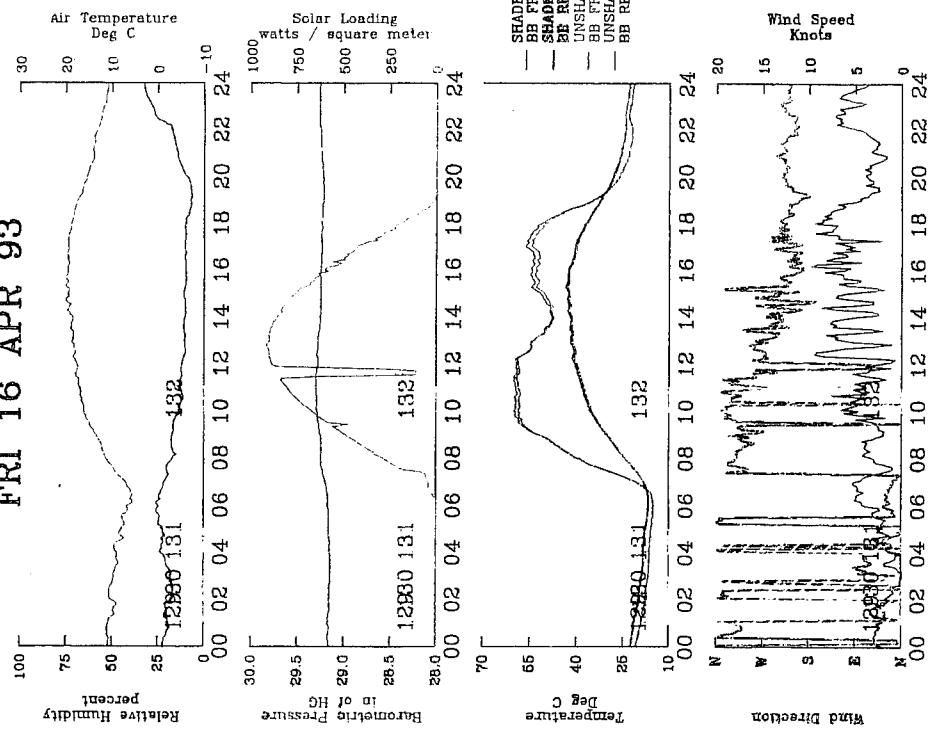
Environmental Summary

THUR 15 APR 93



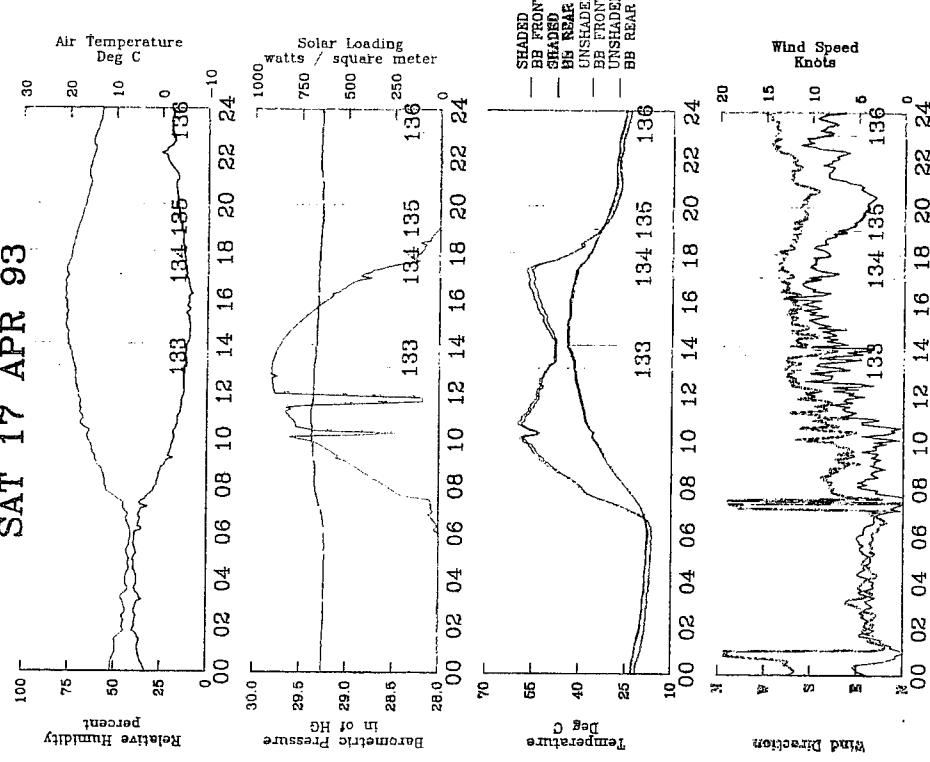
Environmental Summary

FRI 16 APR 93



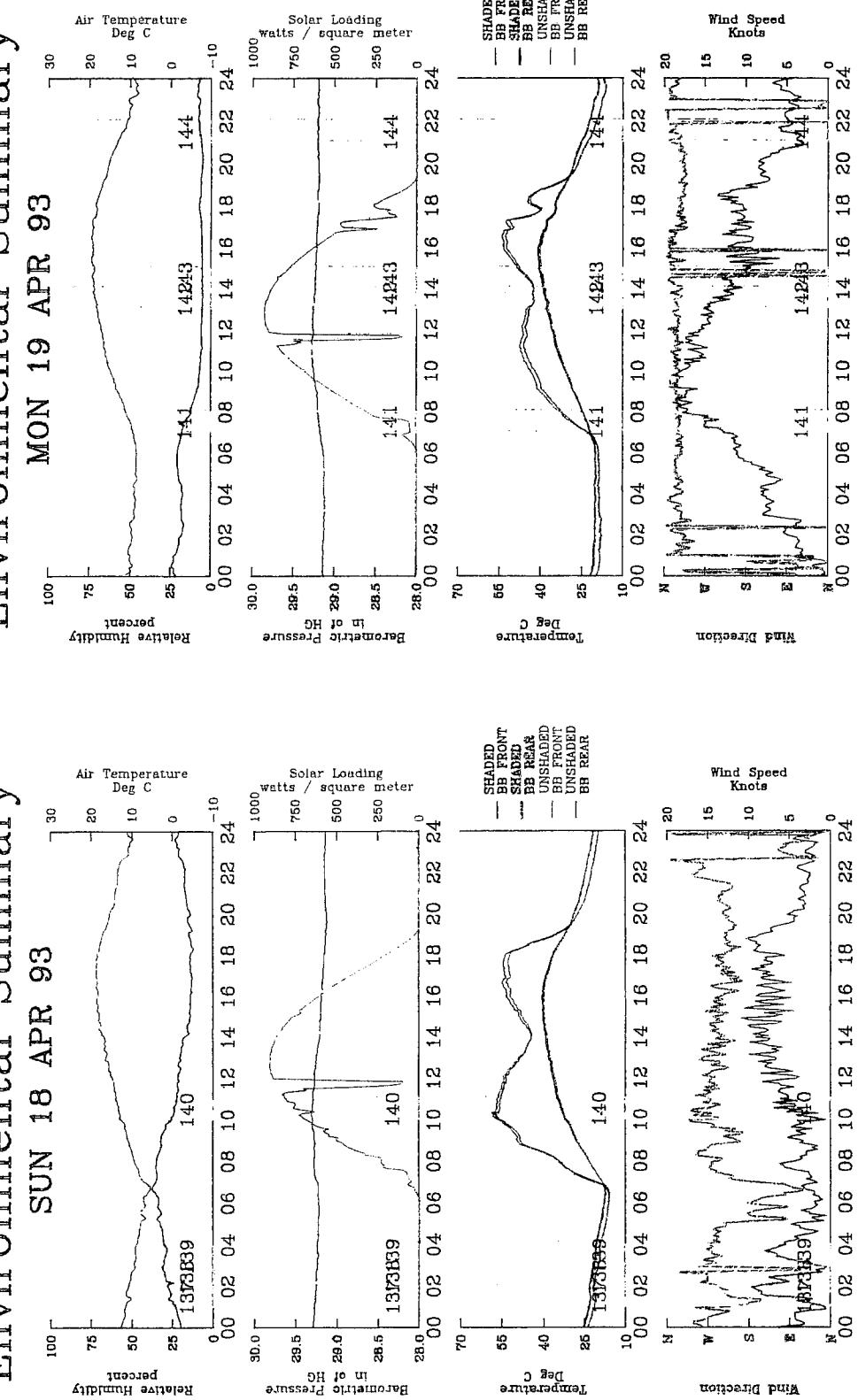
Environmental Summary

SAT 17 APR 93



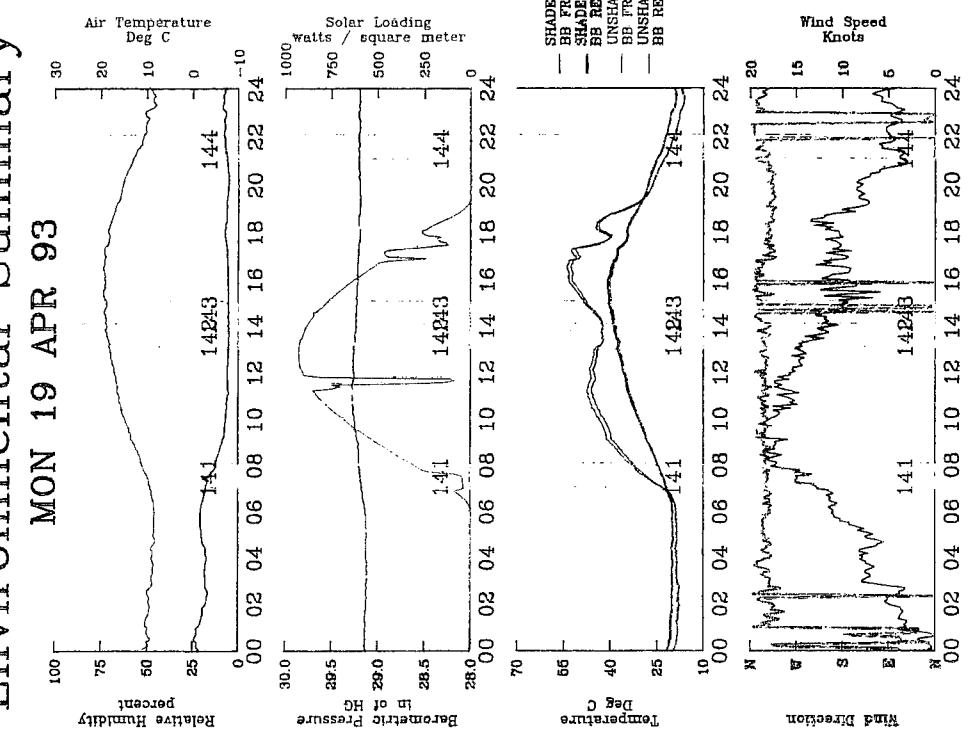
Environmental Summary

SUN 18 APR 93



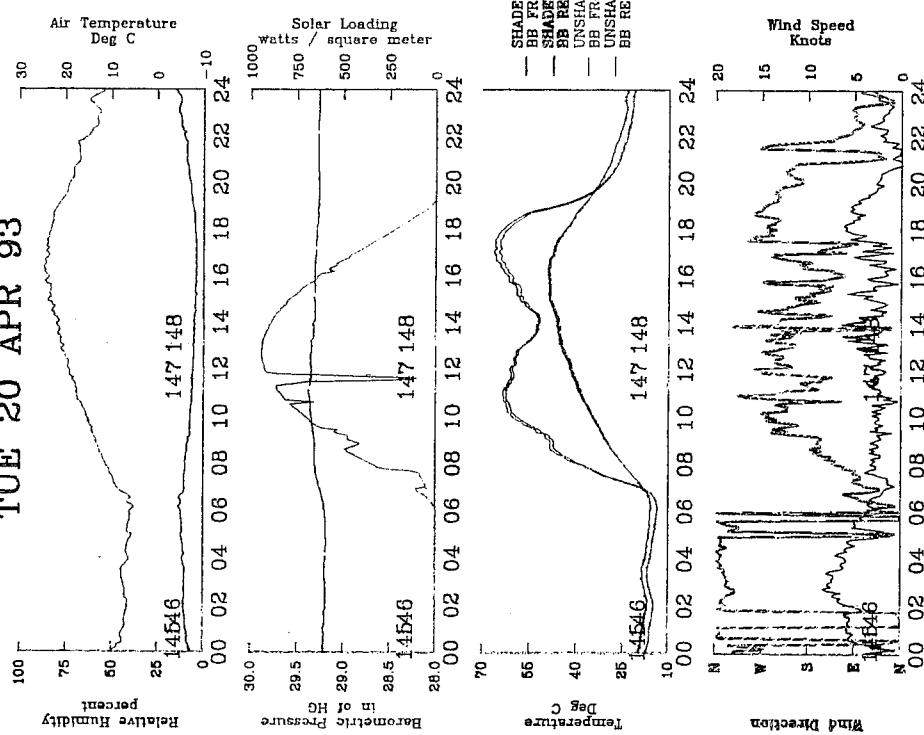
Environmental Summary

MON 19 APR 93



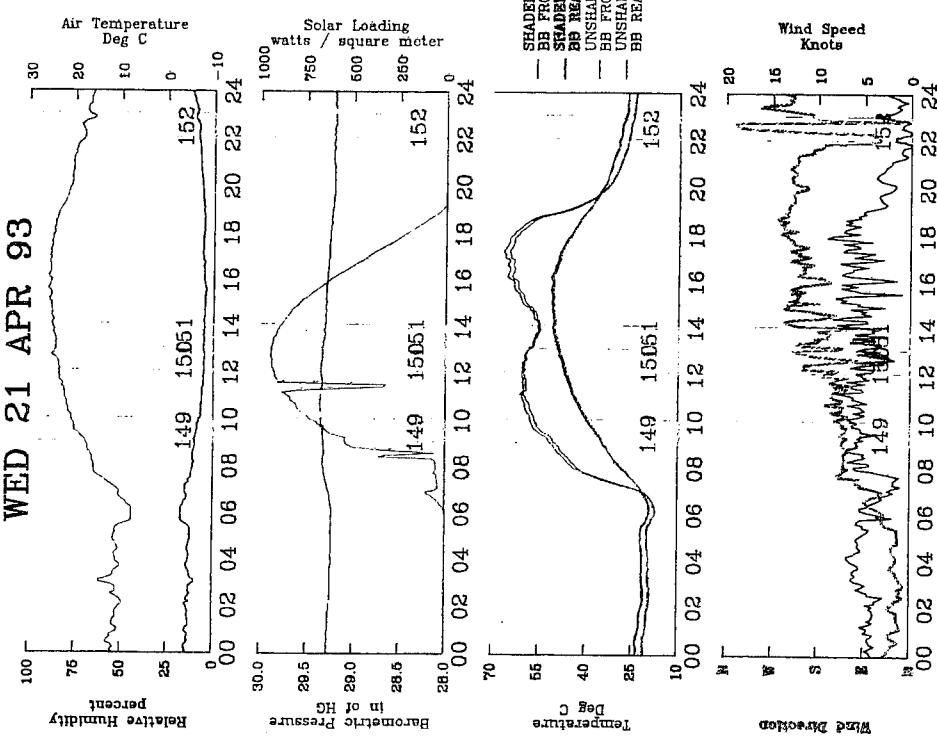
Environmental Summary

TUE 20 APR 93



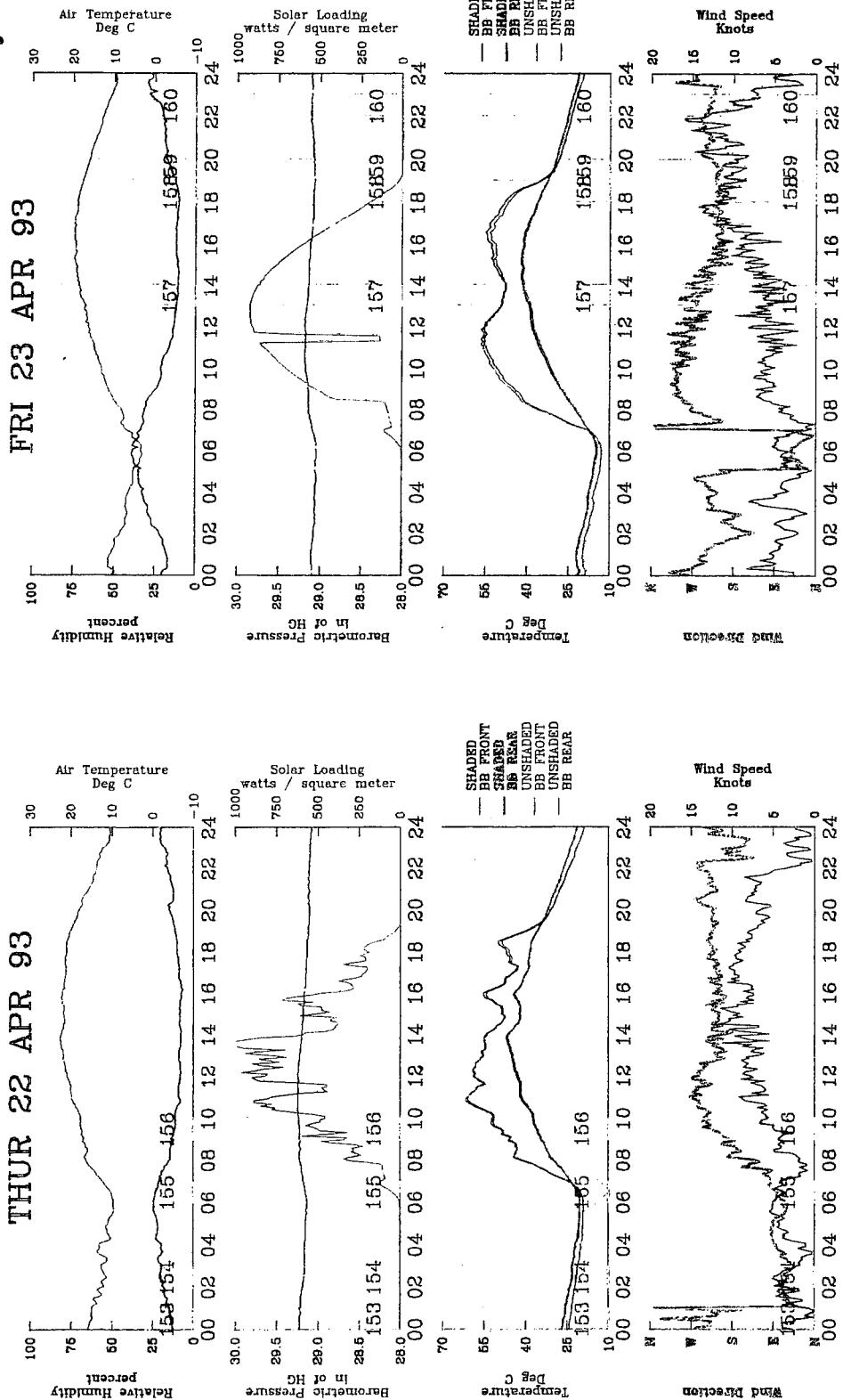
Environmental Summary

WED 21 APR 93



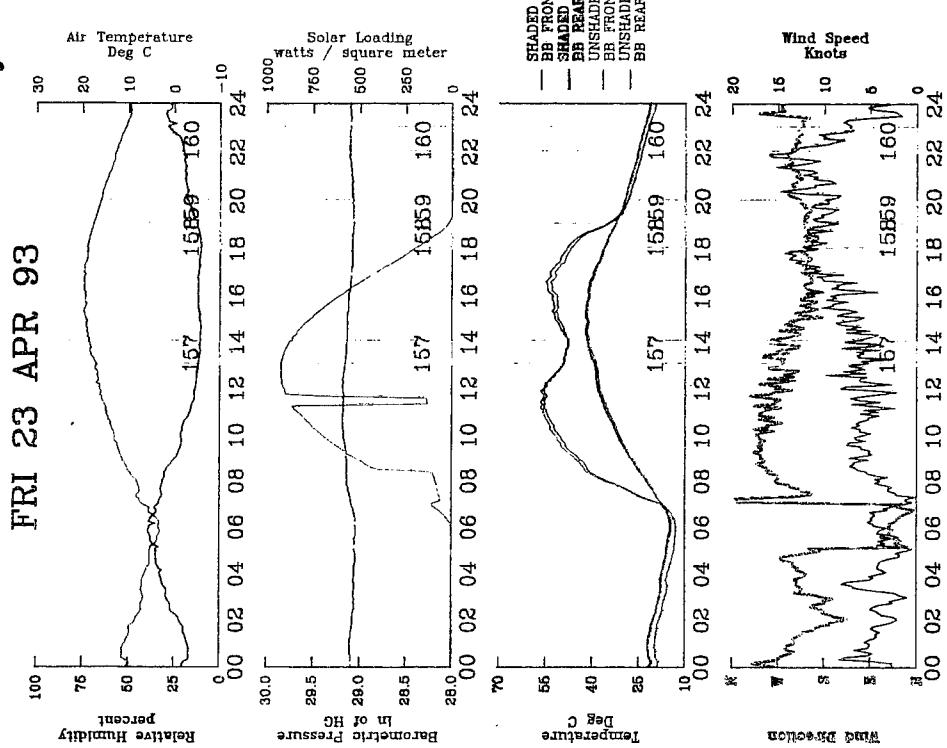
Environmental Summary

THUR 22 APR 93



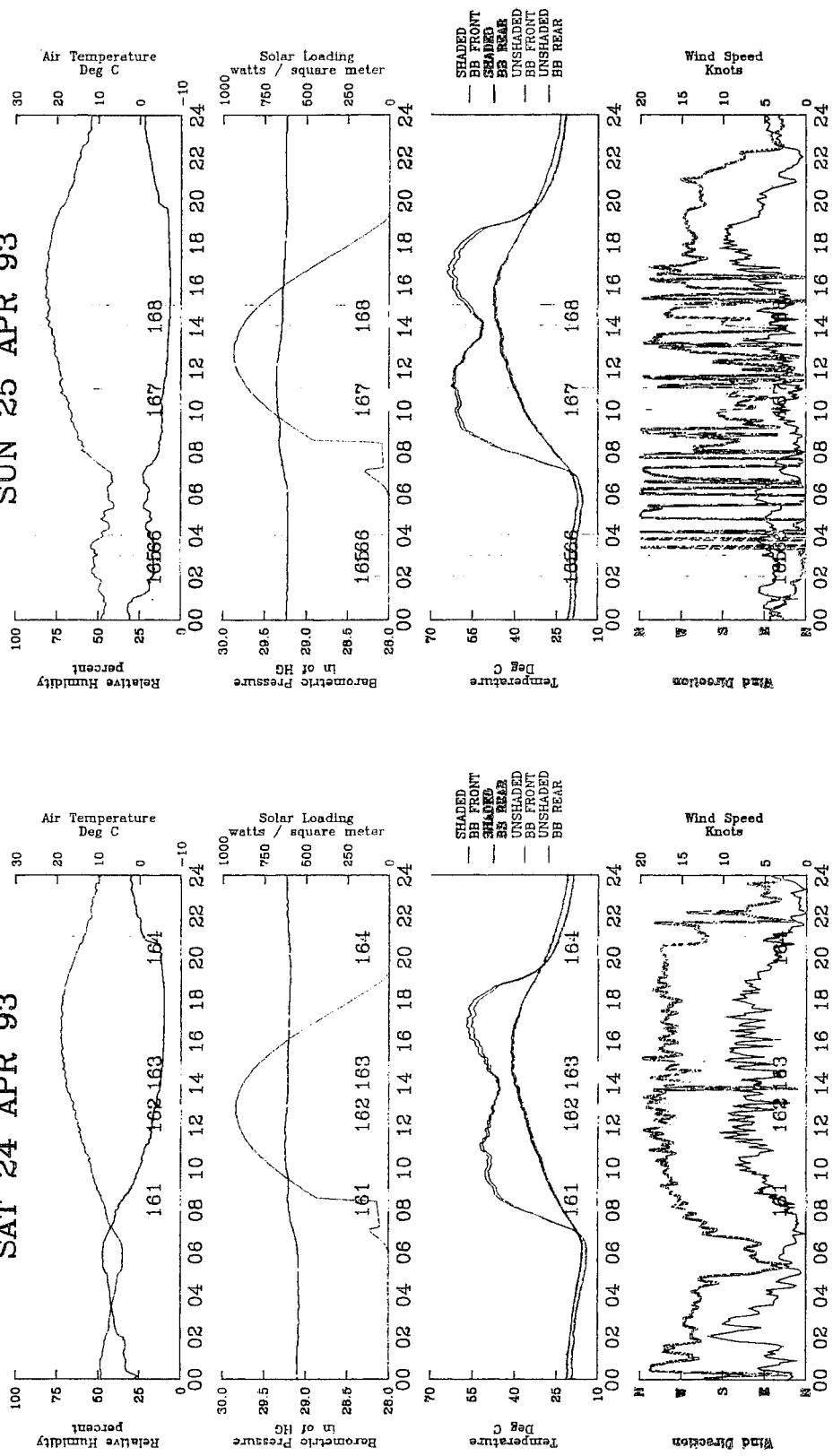
Environmental Summary

FRI 23 APR 93

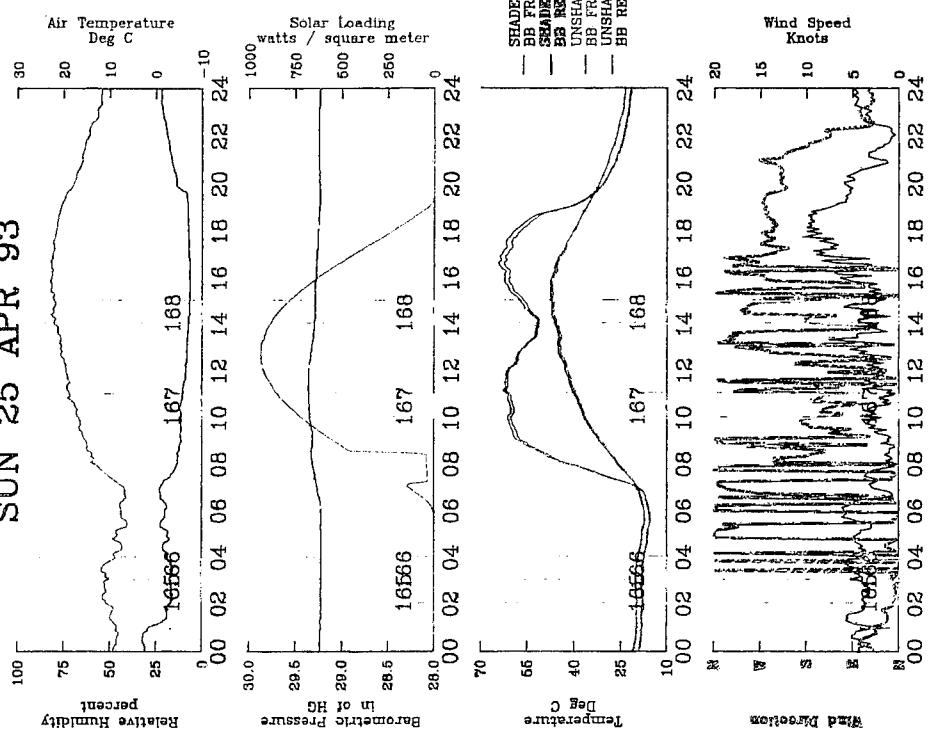


Environmental Summary

SAT 24 APR 93

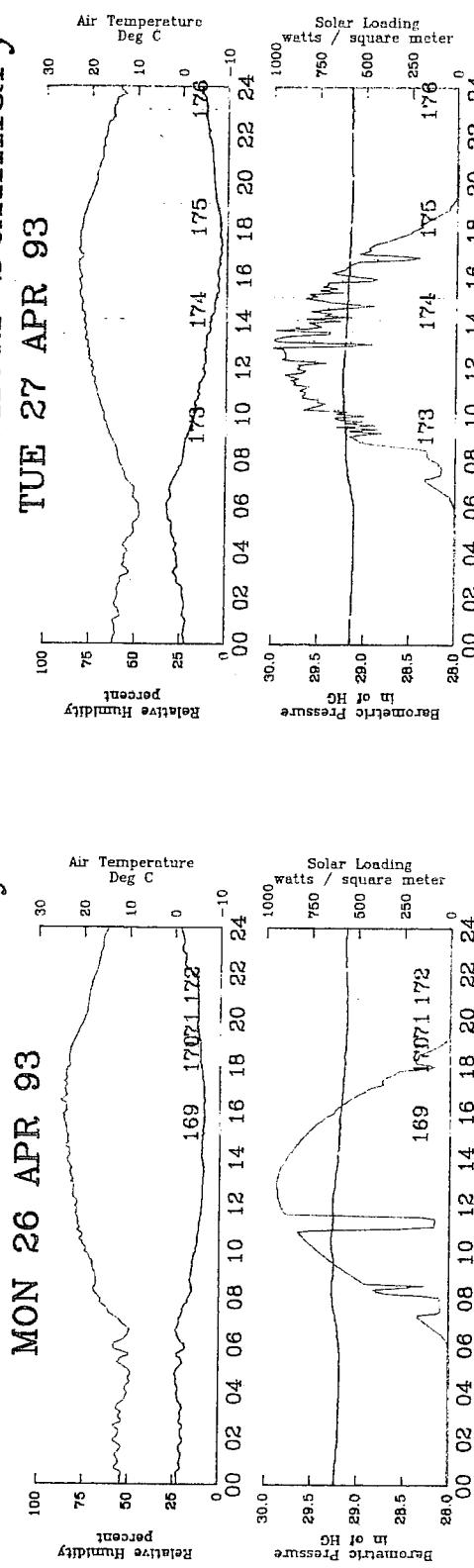


SUN 25 APR 93



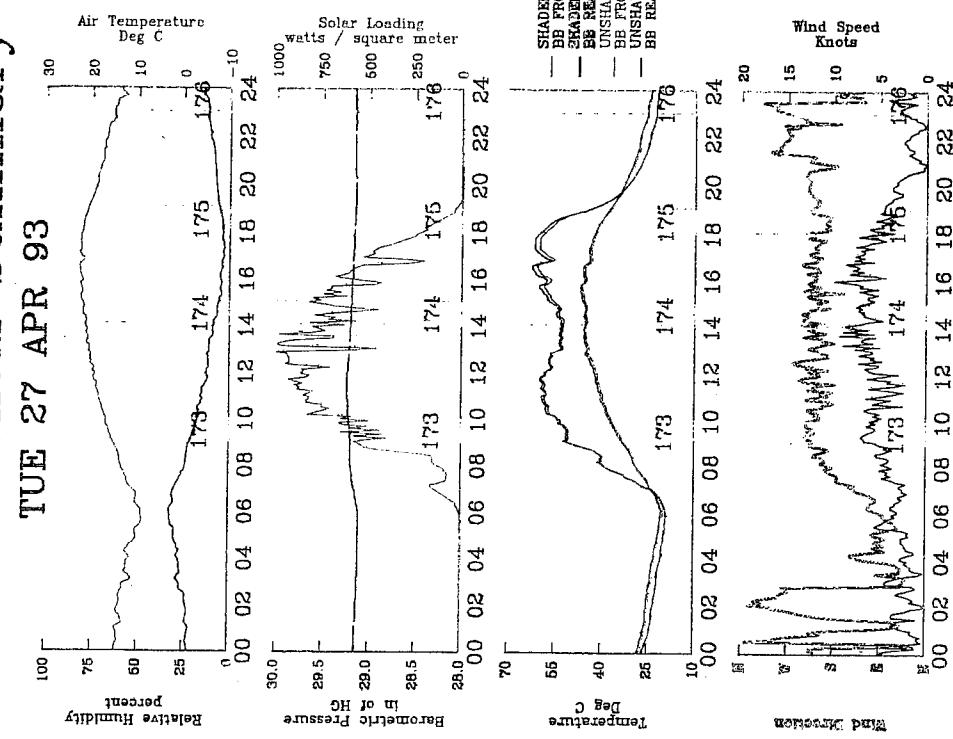
Environmental Summary

MON 26 APR 93



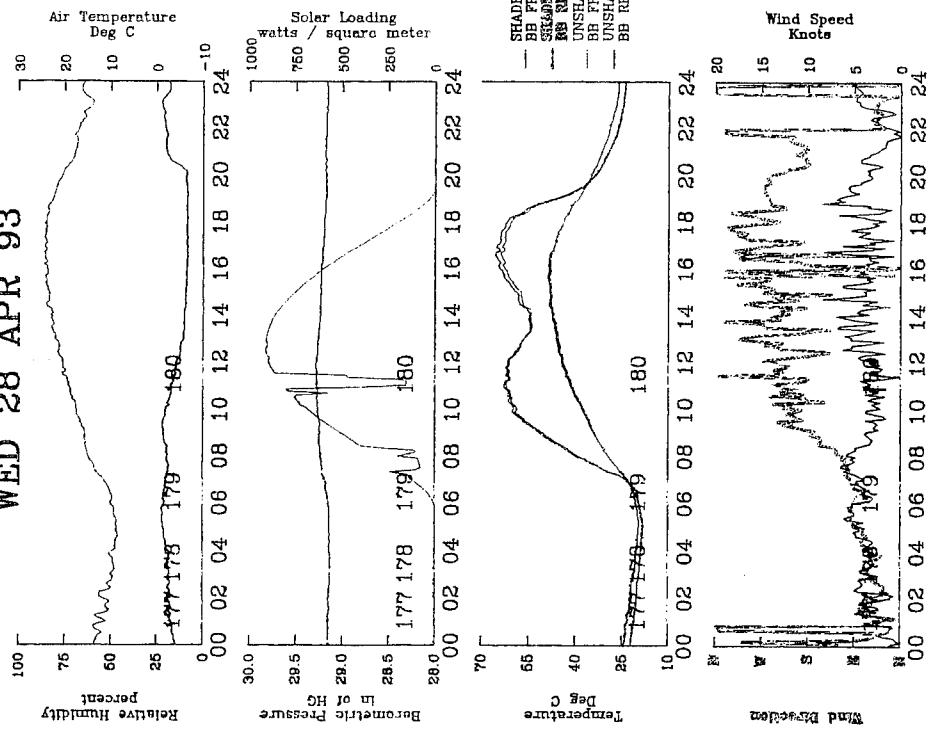
Environmental Summary

TUE 27 APR 93



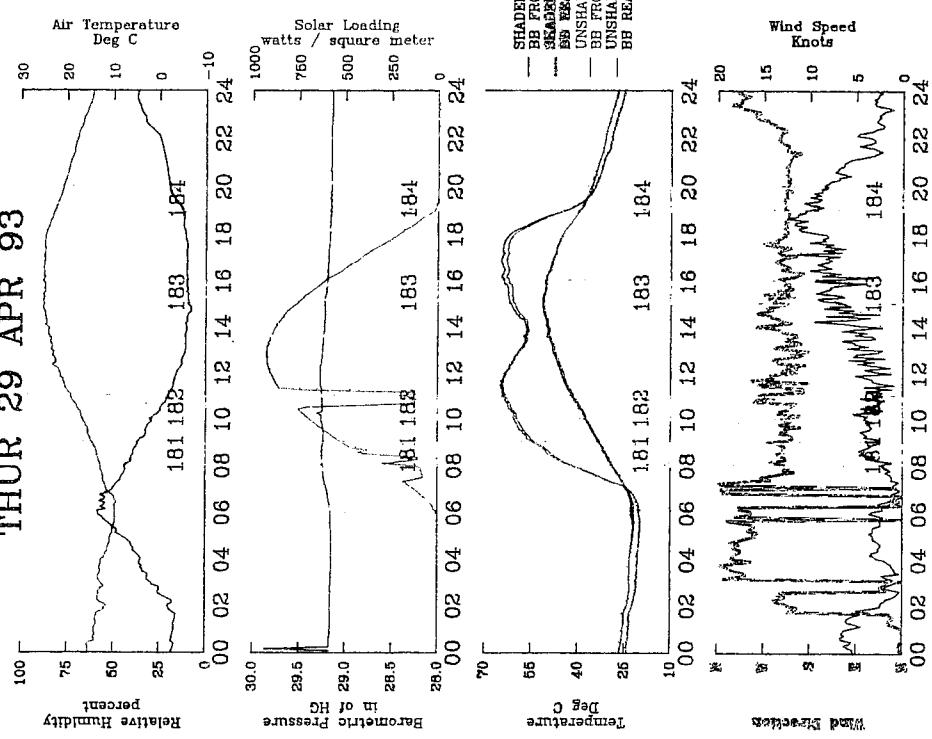
Environmental Summary

WED 28 APR 93



Environmental Summary

THUR 29 APR 93



Environmental Summary

FRI 30 APR 93

