

Selected Meteorological Data for an Arid Site Near Beatty, Nye County, Nevada, Calendar Years 1990 and 1991

By JAMES L. WOOD and B.J. ANDRASKI

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
kilometer (km)	0.6214	mile
kilopascal (kPa)	0.1450	pound per square inch
meter (m)	3.281	foot
meter per second (m/s)	3.281	foot per second
millimeter (mm)	0.03937	inch
millimeter per hour (mm/hr)	25.40	inch per hour
watt per square meter (W/m ²)	0.005290	British Thermal Unit per square foot per minute

Temperature: Degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) by using the formula °F = [(1.8)(°C)] + 32.

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929, formerly called "Sea-Level Datum of 1929"), which is derived from a general adjustment of the first-order level networks of the United States and Canada.

Selected Meteorological Data for an Arid Site Near Beatty, Nye County, Nevada, Calendar Years 1990 and 1991

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ABSTRACT

Selected meteorological data were collected at a study site adjacent to a low-level radioactive-waste burial facility near Beatty, Nevada, for calendar years 1990 and 1991. Data were collected in support of ongoing studies to estimate the potential for downward movement of radionuclides into the unsaturated sediments beneath waste-burial trenches at the facility. The data include air temperature, relative humidity, vapor pressure, incident solar radiation, windspeed, wind direction, barometric pressure, and precipitation. The data are summarized in tables and graphs.

Instrumentation used at the site is discussed. The discussion includes the type, reported accuracy, and mounting height of each sensor.

In 1990, the average hourly air temperatures ranged from -16.2 degrees Celsius, in December, to 44.2 degrees Celsius, in July. Hourly averaged relative humidity ranged from 6 percent to more than 90 percent. Hourly vapor pressures ranged from 0.08 to 1.84 kilopascals. Daily maximum incident solar radiation values ranged from 192 to 1,028 watts per square meter. Daily mean windspeed ranged from less than 1 to 8.7 meters per second. Wind direction was primarily from the northwest in fall, winter, and spring and varied from southeast, southwest, or northwest during the summer. Hourly barometric pressures

ranged from 99.47 to 103.12 kilopascals. Total precipitation for 1990 was 32.4 millimeters; almost 45 percent was in September.

In 1991, the average hourly air temperatures ranged from -9.2 degrees Celsius, in January, to 43.7 degrees Celsius, in July. Hourly averaged relative humidity ranged from 3 percent to more than 95 percent. Hourly vapor pressures ranged from 0.07 to 2.22 kilopascals. Daily maximum incident solar radiation values ranged from 143 to 1,041 watts per square meter. Daily mean windspeed ranged from 1.2 to 8.4 meters per second. Wind direction was primarily from the northwest in fall, winter, and spring and varied from southeast, southwest, or northwest during the summer. Hourly barometric pressures ranged from 99.52 to 103.40 kilopascals. Total precipitation for 1991 was 103.6 millimeters; almost 60 percent was in March.

INTRODUCTION

Meteorological data were collected near the low-level radioactive-waste burial facility near Beatty, Nev., in support of ongoing studies (Andraski, 1990; Fischer, 1992) to estimate the potential for downward movement of radionuclides into the unsaturated sediments beneath waste-burial trenches at the facility (fig. 1B). This report presents and summarizes meteorological data collected for calendar years 1990 and 1991. Instrumentation used to collect the data is described also. This report is one in a series of meteorological data reports published for this site

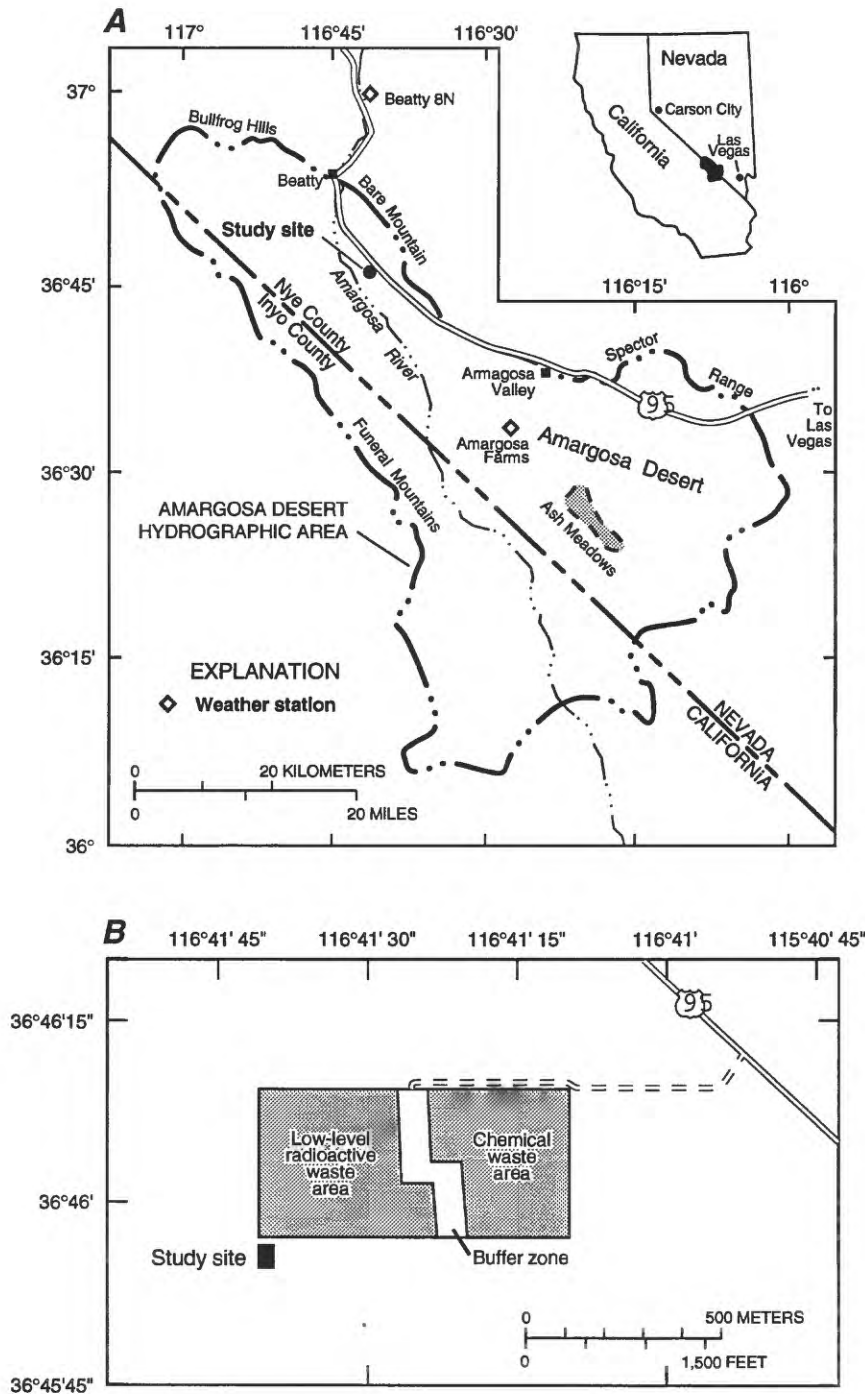


Figure 1. Location of study site and adjacent waste-disposal facility.

(Wood and Fischer, 1991, 1992; Wood and Andraski, 1992; Wood and others, 1992). The meteorological data collected include air temperature, relative humidity, vapor pressure, incident solar radiation, windspeed, wind direction, barometric pressure, and precipitation.

The waste-burial facility in the Amargosa Desert, 17 km southeast of Beatty and 169 km northwest of Las Vegas, Nev. (fig. 1A), has been operating since 1962. The disposal facility was the first commercially operated in the United States. At this facility,

waste is emplaced in 2- to 15-m deep trenches and covered by backfilling with previously excavated materials. The Amargosa Desert in the vicinity of the waste-burial facility is a northwest trending valley about 13 km wide. Vegetation is sparse, with creosote bush (*Larrea tridentata*) the dominant species.

The study site (altitude 847 m above sea level), is in one of the most arid parts of the United States. Precipitation is highly variable. Mean annual precipitation is about 114 mm at Beatty (altitude, 1,005 m), and 74 mm at Amargosa Farms (formerly Lathrop Wells; altitude, 817 m), 30 km southeast of the site (Nichols, 1987, p. 15). No perennial streams are within 16 km of the site and the dry bed of the Amargosa River is the principal drainage channel (fig. 1A).

A detailed view of part of the study site is shown in figure 2. The site is enclosed by a chainlink fence approximately 2 m high topped with 1/2 m of razor ribbon and is patrolled by security from the adjacent commercial waste-disposal facility; this provides protection against vandalism. In addition to the meteorological station data, unsaturated-zone data are collected from three neutron-probe access tubes and from sensors installed at several depths in a monitoring shaft (fig. 2). An undisturbed area is maintained on one side of the shaft site where no foot or vehicle traffic is allowed except on a designated foot path. A description of this unsaturated-zone monitoring is presented by Fischer (1992).

INSTRUMENTATION

January 1 through May 14, 1990

Meteorological sensors consisted of an air temperature and relative humidity sensor, silicon pyranometer, anemometer, wind vane, and tipping-bucket rain gage. All sensors were factory calibrated prior to installation in the fall of 1984. Data from the sensors were recorded using a Campbell Scientific, Inc. (CSI) CR21 datalogger (Campbell Scientific, Inc., 1984). All instruments were mounted on a CSI CM10 tripod. Both the anemometer and wind vane were mounted 3.4 m above land surface. The air temperature/relative humidity probe was mounted inside a CSI model 041 sensor shield 1.7 m above land surface. The tipping-bucket rain gage was mounted 2.2 m above land surface and the silicon pyranometer

3.7 m above land surface. All heights are approximate. The weather station is approximately 40 m from the CSI datalogger, housed in a shed on the site (fig. 2).

The anemometer is a model 014A, supplied by MET ONE¹, with an accuracy of 1.5 percent and a threshold of 0.45 m/s. The wind vane is a model 024A, also from MET ONE, and has a specified accuracy of ± 5 degrees and a threshold of 0.45 m/s. The temperature/relative humidity probe was a CSI model 207 with a temperature accuracy of $\pm 0.4^\circ\text{C}$ in a range of -33°C to 48°C and a relative humidity accuracy of ± 5 percent in a range of 12- to 100-percent relative humidity. The tipping-bucket rain gage is a Weathermeasure model P-501 with a sensitivity and resolution of 0.25 mm and an accuracy of 0.5 percent at 12.7 mm/hr. The silicon pyranometer is a LICOR LI200S calibrated against an Eppley Precision Spectral Pyranometer, which has a maximum error of ± 5 percent.

May 14, 1990, through December 31, 1991

Beginning in 1990, all Beatty meteorological sensors were scheduled to be removed, replaced, and then calibrated on an annual basis. On May 14, 1990, meteorological sensors and the datalogger, which had been in use at the site since October 1984, were replaced. The CR21 datalogger was replaced with a CSI 21XL.

Windspeed, wind direction, solar radiation, and precipitation measuring devices were replaced with identical instruments during the reinstrumentation procedure. The CSI model 207 temperature/relative humidity probe was replaced with another CSI model 207 probe on May 14, 1990, and this probe was replaced with a Vaisala HMP35C probe from CSI on June 28, 1990.

The Vaisala probe is capable of making measurements over a full range of 0-100 percent relative humidity. The 0-10 percent range is of particular interest at the arid study site near Beatty. Vaisala advertises its accuracy at 20°C against factory references at ± 1 percent relative humidity (0 to 90 percent relative humidity), and against field references at ± 2 percent relative humidity (0 to 90 percent relative humidity), and ± 3 percent relative humidity (90 to 100 percent relative humidity). Temperature dependence is listed as ± 0.04 percent relative humidity/degrees Celsius, with a typical long-term

¹All sensor specifications supplied by manufacturers.

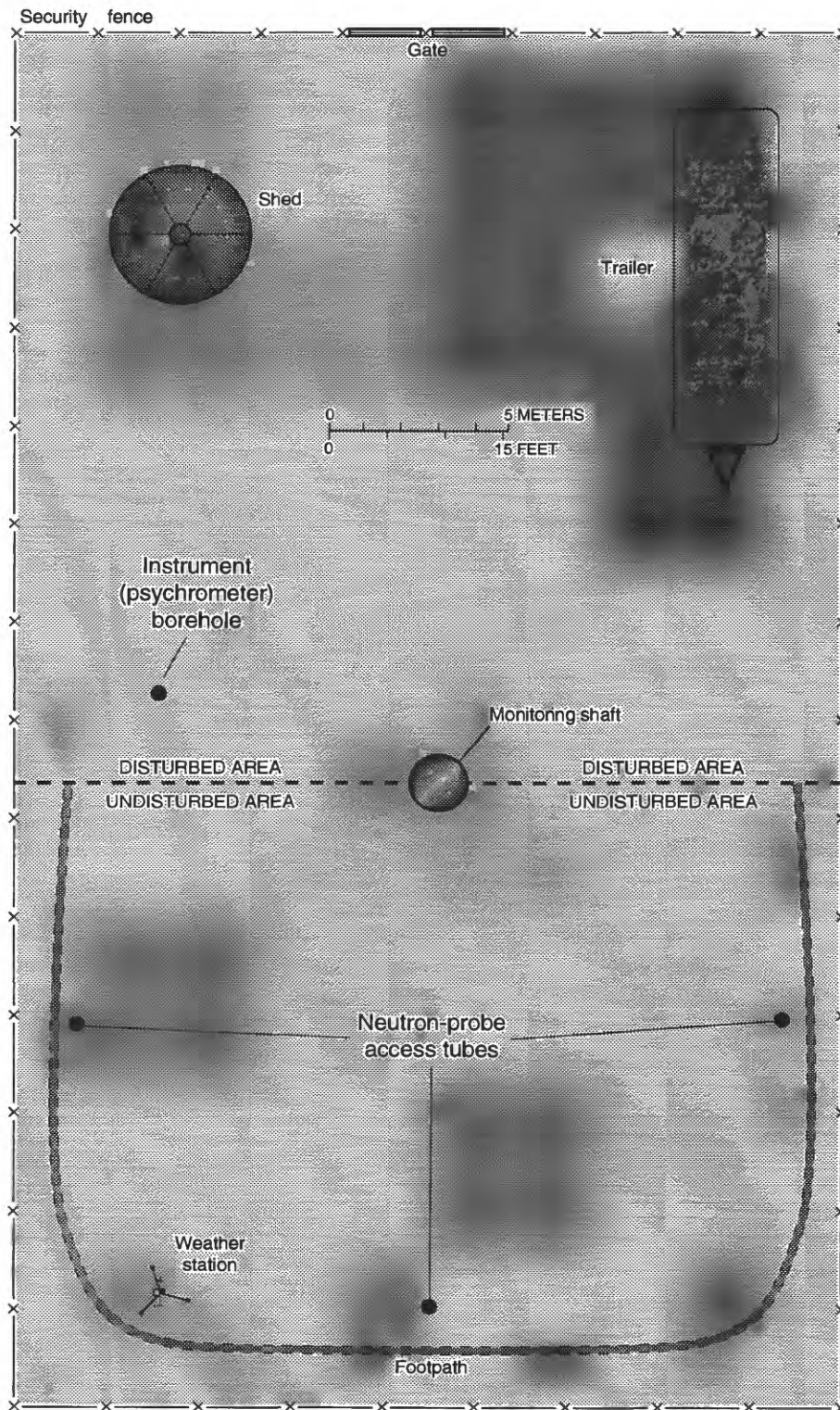


Figure 2. Location of weather station and related unsaturated-zone monitoring shaft, psychrometer borehole, and neutron-probe access tubes at study site near Beatty, Nev. Monitoring shaft is used to measure water potentials and neutron-probe access tubes are used to measure moisture content. Location of study site is shown in figure 1.

stability better than 1 percent relative humidity per year. The "worst case" temperature accuracy is $\pm 0.4^{\circ}\text{C}$ over the range of -33 to $+48^{\circ}\text{C}$. The Vaisala probe was mounted inside a 12-plate Gill radiation shield from CSI.

A CSI SBP270 barometric pressure sensor was installed at the site in June 1990. This sensor has a range of 80 to 110 kilopascals (kPa), and an accuracy of ± 0.02 kPa. The barometer was mounted inside the shed (fig. 2). Because of instrument cost, the barometer was not scheduled for annual rotation with an equivalent sensor.

The mounting heights of the sensors also were adjusted in 1990 to comply with preliminary suggested standards of the American Association of State Climatologists, which is attempting to standardize automated weather stations (Kunkel, 1988, p. 3-5). The temperature/relative humidity sensor height was lowered from 1.7 to 1.6 m above land surface. Sensor heights for the windspeed and wind direction sensors remained at 3.4 m. The solar radiation sensor was mounted on a horizontal arm and lowered from 3.7 m to 3.0 m, and the precipitation tipping bucket was installed on a separate mount about 10 m from the tripod and lowered from a height of 2.2 m to 1.0 m.

On July 30, 1991, temperature/relative humidity, solar radiation, windspeed, wind direction, and precipitation measuring devices were replaced with identical instruments that had been factory calibrated.

SELECTED METEOROLOGICAL DATA

From January 1 to May 14, 1990, measurements from all meteorological instruments, except the tipping-bucket rain gage, were recorded with a CR21 datalogger every 60 seconds. From May 14, 1990, through December 31, 1991, these measurements were recorded with a CR21XL datalogger every 10 seconds, except for the barometric data, which were recorded every 30 seconds. The dataloggers used these measurements to compute hourly averages for air temperature, relative humidity, solar radiation, windspeed, wind direction, and a standard deviation of the wind direction. Before January 1, 1991, barometric pressure was averaged every 20 minutes; after January 1, 1991, data were averaged every 10 minutes. Precipitation was recorded at 5-minute intervals only during rainfall, and totaled for each day.

Before January 1, 1991, the hourly averaged and totaled precipitation values were automatically retrieved from the datalogger and transferred to a Prime minicomputer using telecommunications and a computer program called ADAREPS, which is an acronym for Automatic DATA REtrieval and Processing System (John Walker, U.S. Geological Survey, written commun., 1986). Data from the datalogger were retrieved twice daily. After January 1, 1991, the data were automatically retrieved daily by a personal computer using CSI software. A cassette tape connected to the datalogger was used as a backup to the automatic data retrieval system.

The hourly averaged values were used to compute daily means, maximums, and minimums for air temperature, relative humidity, solar radiation, windspeed, wind direction, and barometric pressure, which are summarized in tables 3 and 4 at the end of this report. Due to telecommunication or datalogger failures, 18 days in 1990 had no reported values. An additional 20 days had missing hourly values, and of these, 11 had less than 19 hourly values reported. Data are complete for calendar year 1991.

Air Temperature

Hourly averaged values of maximum and minimum air temperatures for each month, and a monthly mean value, are listed in table 1. In 1990, the minimum temperature was -16.2°C in December and the maximum was 44.2°C in July. In 1991, the minimum temperature was -9.2°C in January and the maximum temperature was 43.7°C in July.

Both seasonal and daily temperature fluctuations are large in the study area. Differences between hourly averaged daily maximum and minimum temperatures commonly exceed 20°C . The difference between winter minimum and summer maximum temperatures averages more than 50°C . Maximum, mean, and minimum daily temperatures for 1990 and 1991 are shown in figure 3.

Relative Humidity

Relative humidity is the ratio of the amount of water vapor in the air at a specific temperature to the maximum amount of water vapor the air can hold at that temperature and is expressed as a percent.

Table 1. Monthly maximum, minimum, and mean air temperatures at study site, near Beatty, Nev., for 1990 and 1991

[Temperatures are degrees Celsius. Hourly averaged values.]

1990					
Month	Maximum	Day	Minimum	Day	Mean
January	23.2	10	-2.3	7	7.0
February	25.5	23	-8.1	16	8.0
March	29.9	23	-2.3	12	14.4
April	32.6	28	6.3	1	19.4
May	35.2	7	7.6	29	22.1
June	42.8	30	8.5	26	28.3
July	44.2	12	12.8	18	31.4
August	43.4	5	7.8	14	28.7
September	39.6	9	13.1	17/27	22.8
October	32.4	4	2.7	21	18.6
November	27.6	10	-4.4	29	11.1
December	20.8	5	-16.2	23	2.6
1991					
January	20.4	13	-9.2	1	6.2
February	24.6	20	-2.5	2	11.8
March	21.5	31	-2.1	16	9.5
April	28.6	6	2.9	11	15.8
May	33.7	24	4.4	11	19.4
June	38.8	10	11.3	2	26.0
July	43.7	5	17.1	21	30.6
August	40.1	25	13.0	29	28.9
September	38.8	5	12.0	11	25.9
October	35.6	4	-1.4	29	21.4
November	28.8	7	-4.3	30	11.3
December	19.6	6	-4.9	17	6.3

Daily mean, maximum, and minimum relative humidity values computed from hourly averaged values are listed in table 3. Daily mean relative humidity values are shown in figure 4. In 1990, hourly averaged values ranged from about 6 percent during the drier summer months to more than 90 percent during one September storm event. In 1991, hourly averaged values ranged from 3 percent during drier summer months, to more than 95 percent during winter storm events. Extremes of daily mean values for the period of January 1 to May 14, 1990, might actually be somewhat less than 12 percent and more than 80 percent, but not reported due to lack of sensor (CSI model 207 probe) accuracy in these ranges.

Vapor Pressure

Water vapor content of air can be expressed in terms of the partial pressure exerted by the water vapor, or vapor pressure (Campbell, 1986, p. 21). Vapor pressure at a given ambient air temperature was determined by first calculating the saturation vapor pressure at that particular temperature. The saturation vapor pressure is defined as the highest concentration of water vapor that can exist in equilibrium with a plane, free water surface at a given temperature. This value was obtained by using the formula from Lowe (1977):

$$E = a_0 + a_1T + a_2T^2 + a_3T^3 + a_4T^4 + a_5T^5 + a_6T^6 \quad (1)$$

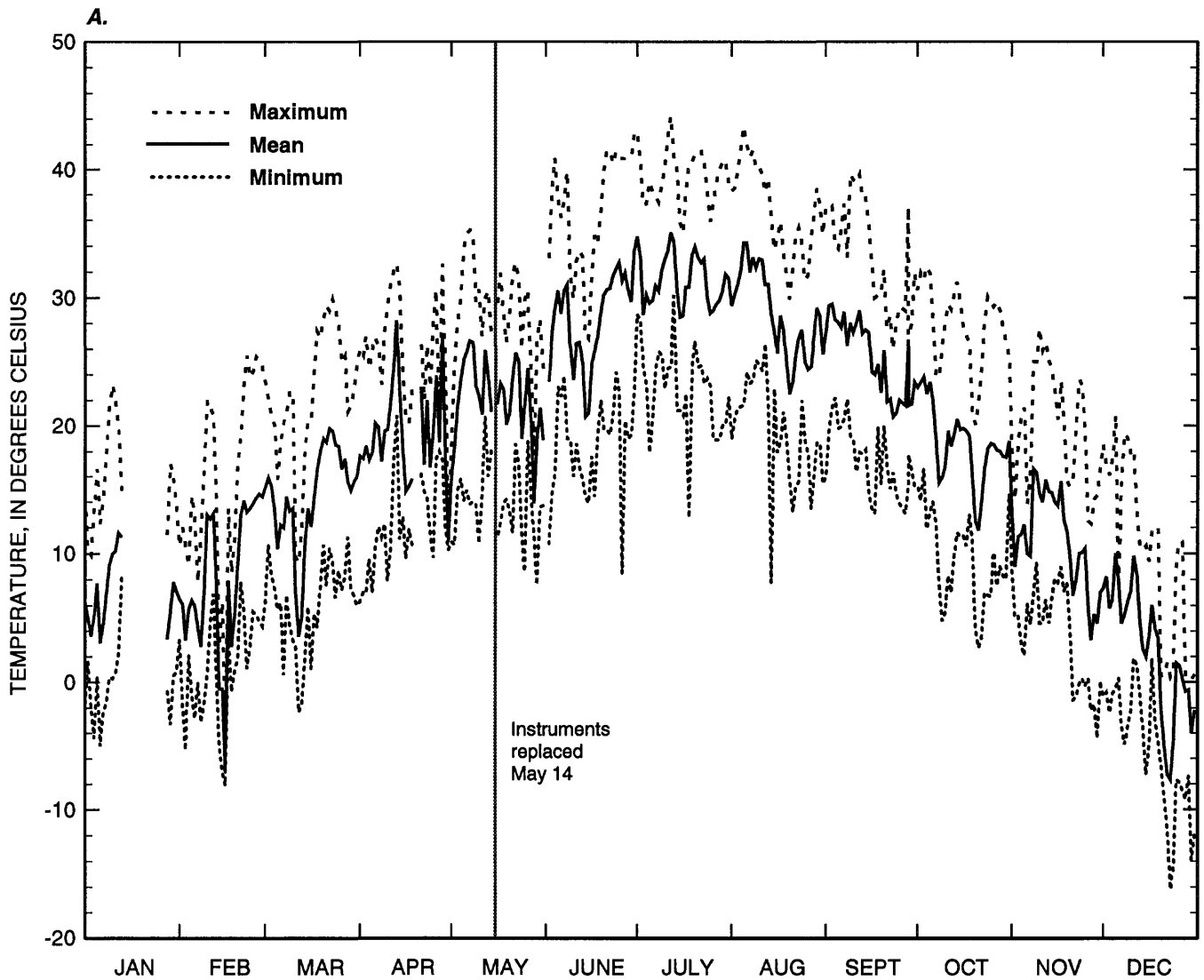


Figure 3. Daily maximum, mean, and minimum air temperature computed from hourly averaged values for (A) 1990 and (B) 1991 for study site near Beatty, Nev.

where E is saturation vapor pressure, in millibars;

T is temperature, in degrees Celsius; and

a_i is numerical constant for each term of the polynomial ($i=0,1,\dots,6$).

The numerical constants in equation 1 are as follows:

$$a_0 = 6.10779991$$

$$a_1 = 4.436518521 \times 10^{-1}$$

$$a_2 = 1.428945805 \times 10^{-2}$$

$$a_3 = 2.650648471 \times 10^{-4}$$

$$a_4 = 3.031240396 \times 10^{-6}$$

$$a_5 = 2.034080948 \times 10^{-8}$$

$$a_6 = 6.136820929 \times 10^{-11}$$

The saturation vapor pressure value was then divided by 10 to convert from millibars to kilopascals. Before September 4, 1991, ambient vapor pressure was determined by multiplying the hourly saturation vapor pressure by the hourly averaged relative humidity. After September 4, 1991, ambient vapor pressures were calculated by the datalogger each time temperature and relative humidity were measured (10 seconds).

Daily mean, maximum, and minimum values of vapor pressure are listed in table 3. Daily mean vapor pressures computed from hourly averaged values of temperature and relative humidity are shown in figure 5. In 1990, hourly vapor pressures ranged from a maximum of 1.84 kPa in July to a minimum

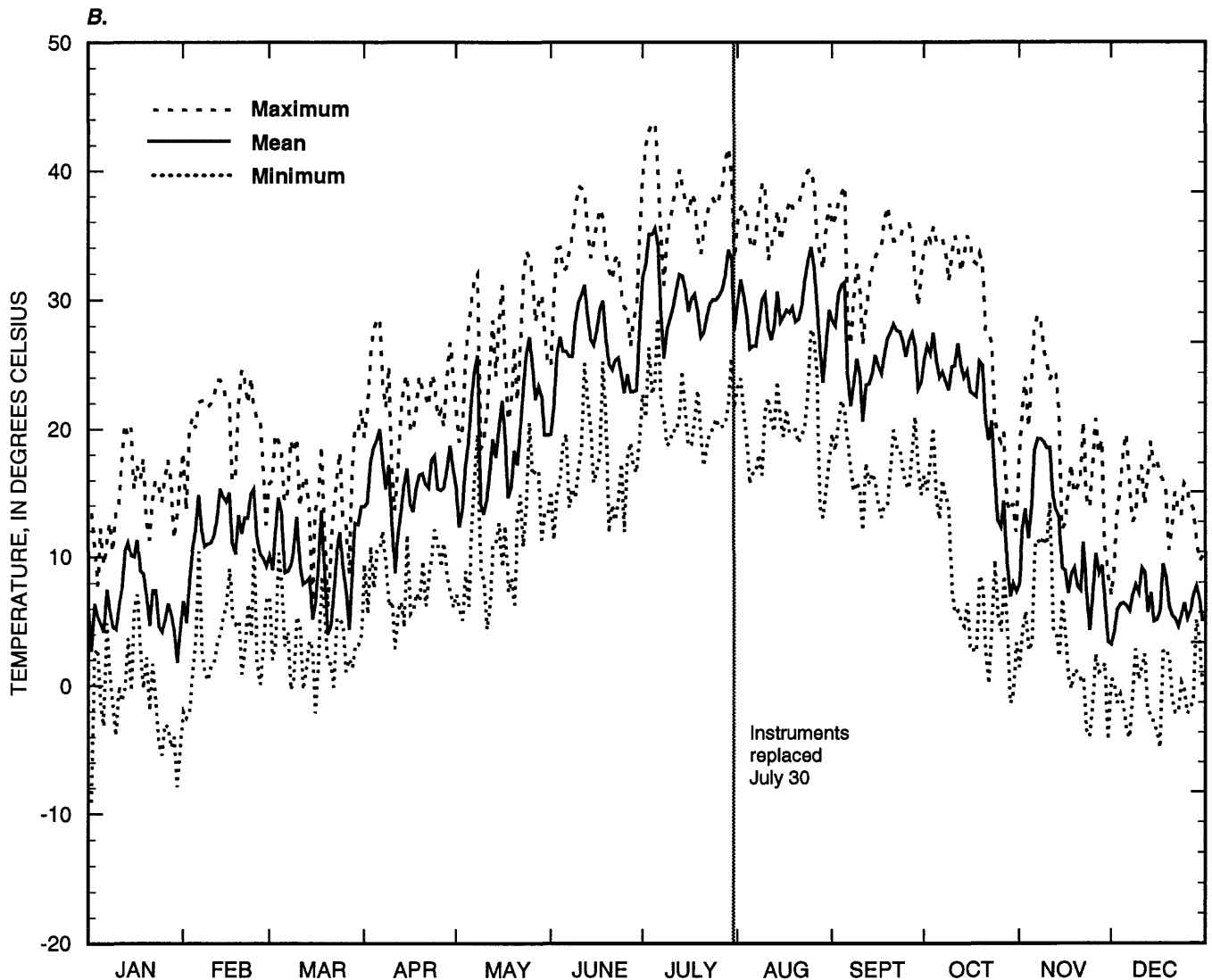


Figure 3. Continued

of 0.08 kPa in February. In 1991, hourly vapor pressures ranged from of 2.22 kPa in July to 0.07 kPa in January. Vapor pressures have generally higher base pressures during the warmer summer months and lower base pressures during cooler winter conditions (fig. 5). Vapor-pressure peaks throughout the year generally correlate with precipitation see table 2 and figs. 9C and 10C.

Solar Radiation

Daily mean and maximum daily incident solar radiation computed from hourly averaged values are

listed in table 3. Incident solar radiation (short wave) is the amount of radiation that reaches the earth without interception. Generally, daily mean and maximum daily radiation were highest from May through August, and lowest from November through February, coinciding with seasonal cycles.

Maximum solar radiation values computed from hourly averaged values for each day are shown in figure 6. In 1990, the daily maximum solar radiation values ranged from 192 W/m² on November 19, to 1,028 W/m² on May 8. In 1991, the daily maximum solar radiation values ranged from 143 W/m² on November 15, to 1,041 W/m² on May 11.

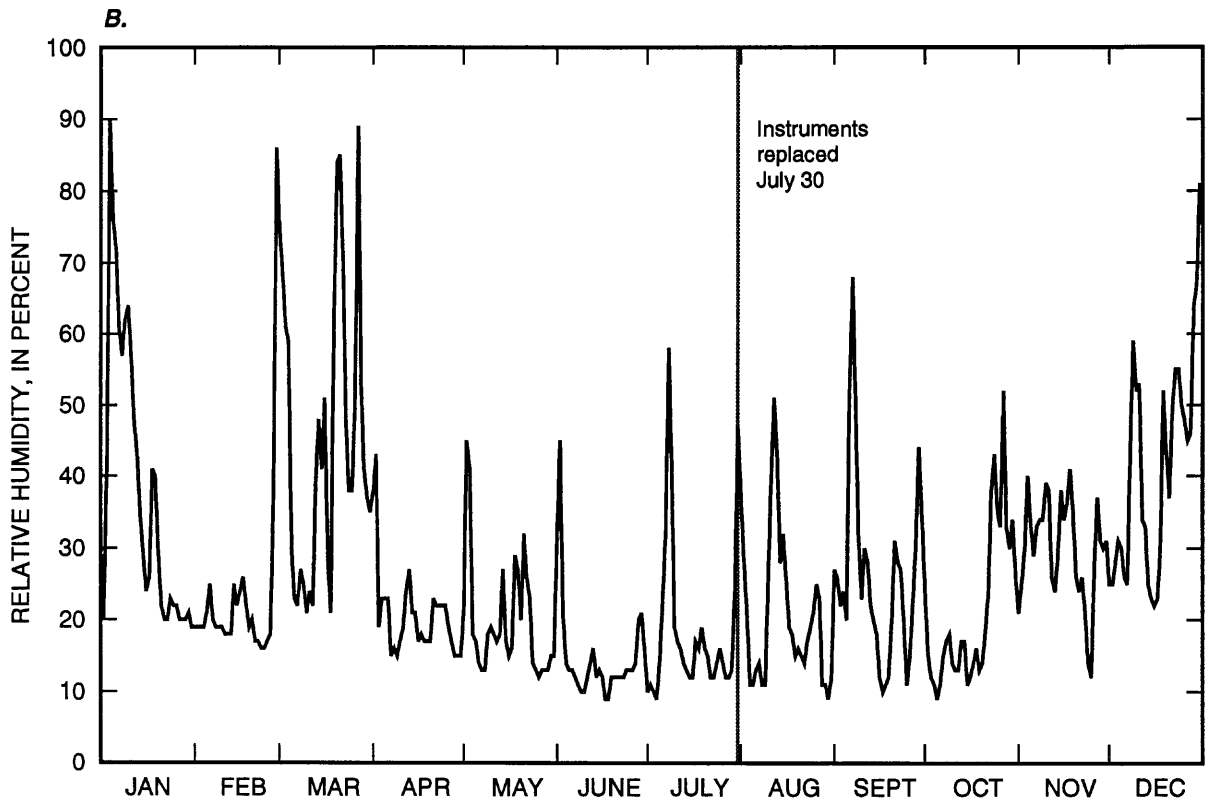
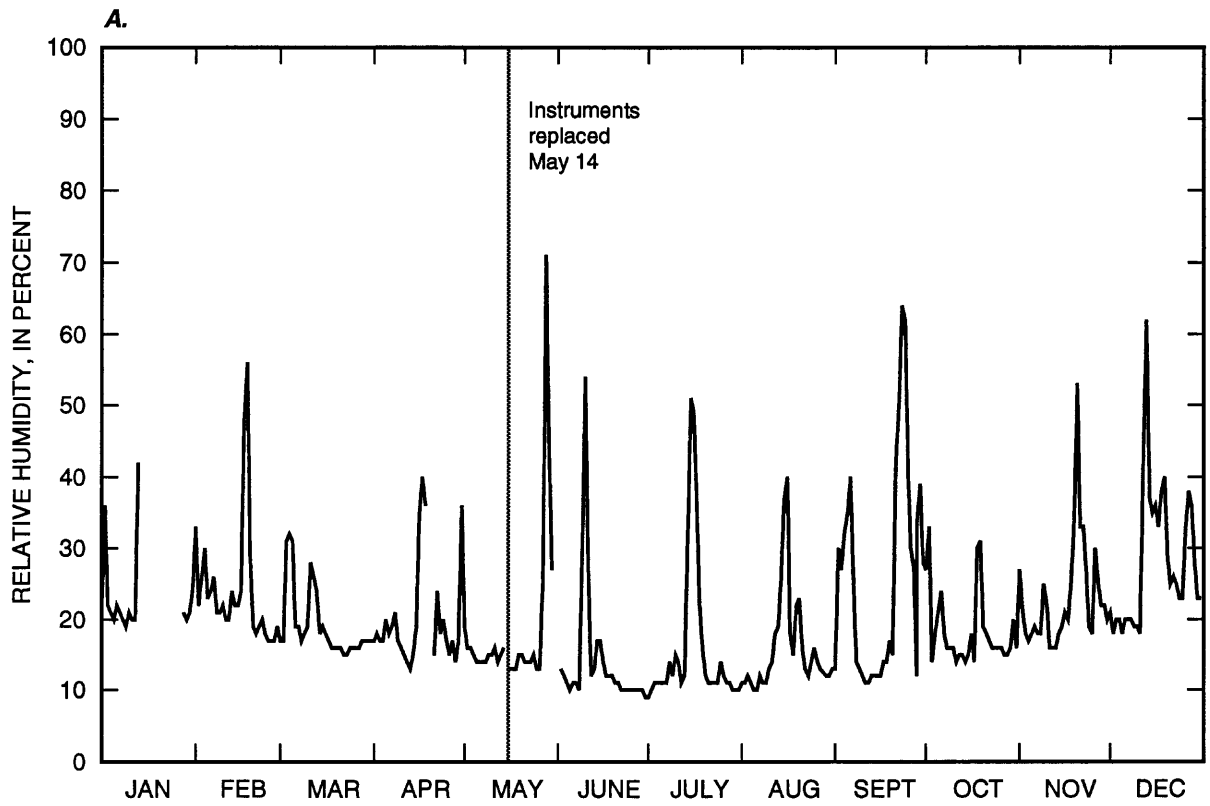


Figure 4. Daily mean relative humidity computed from hourly averaged values for (A) 1990 and (B) 1991 for study site near Beatty, Nev.

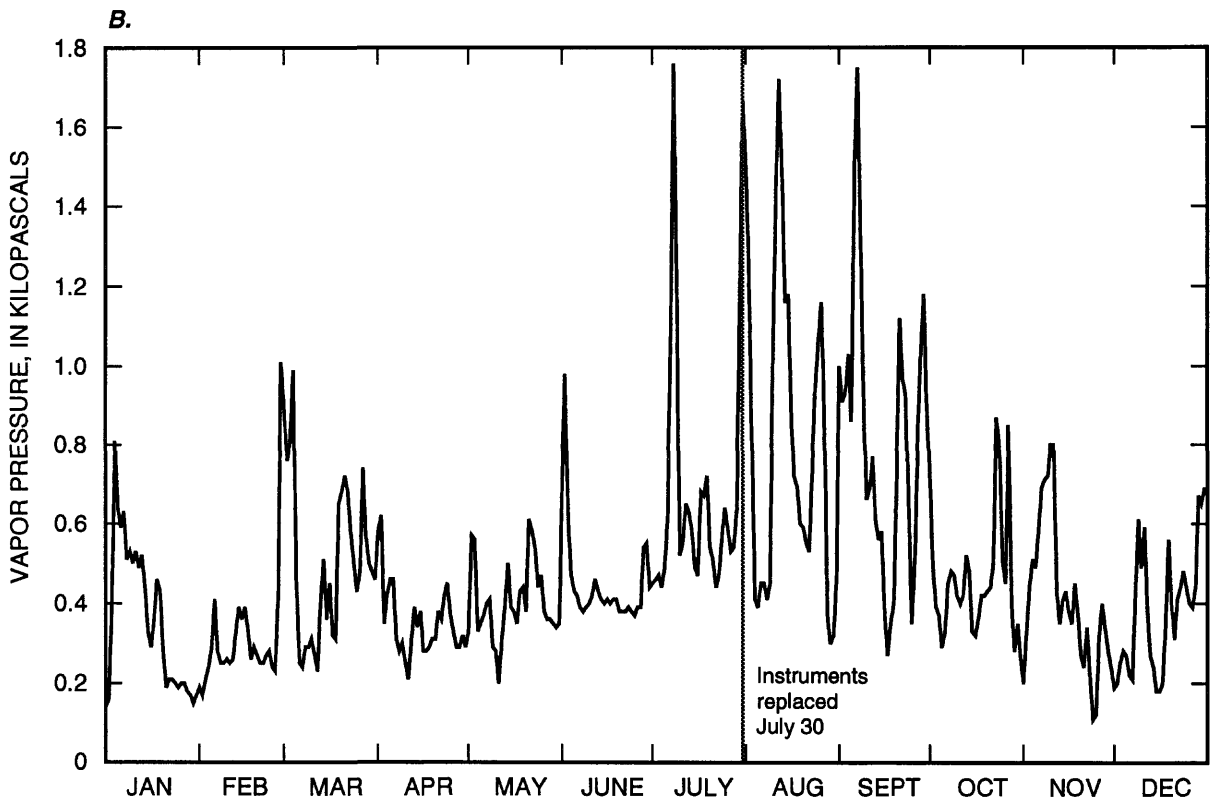
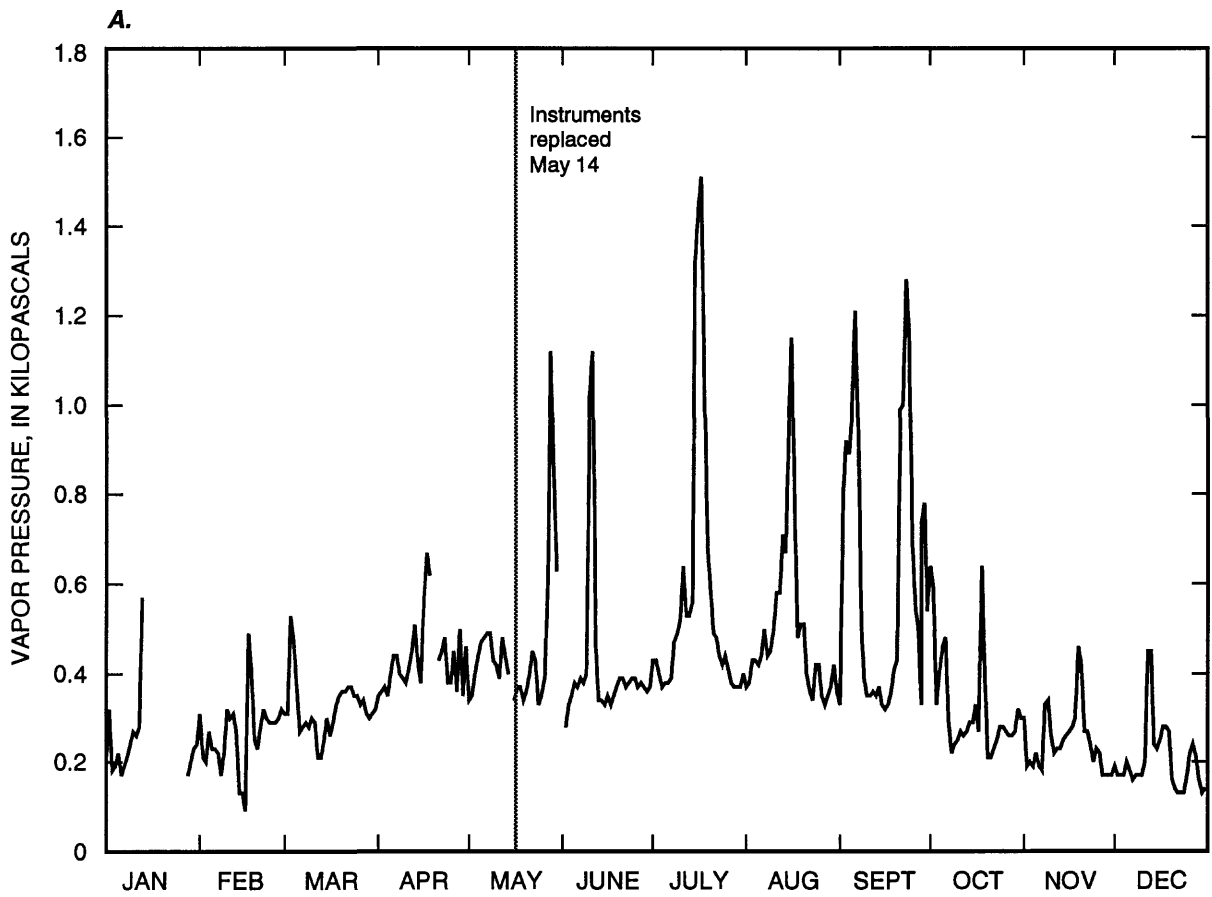


Figure 5. Daily mean vapor pressure computed from hourly averaged values for (A) 1990 and (B) 1991 for study site near Beatty, Nev.

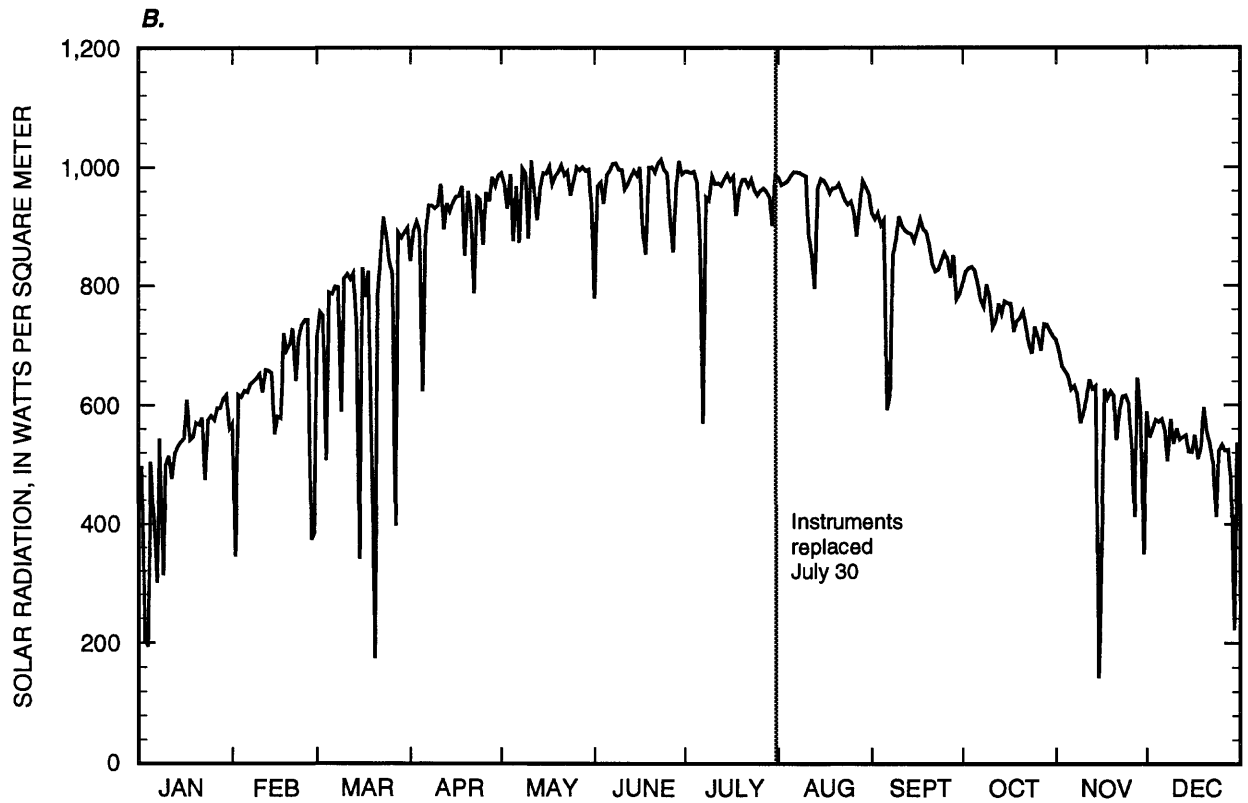
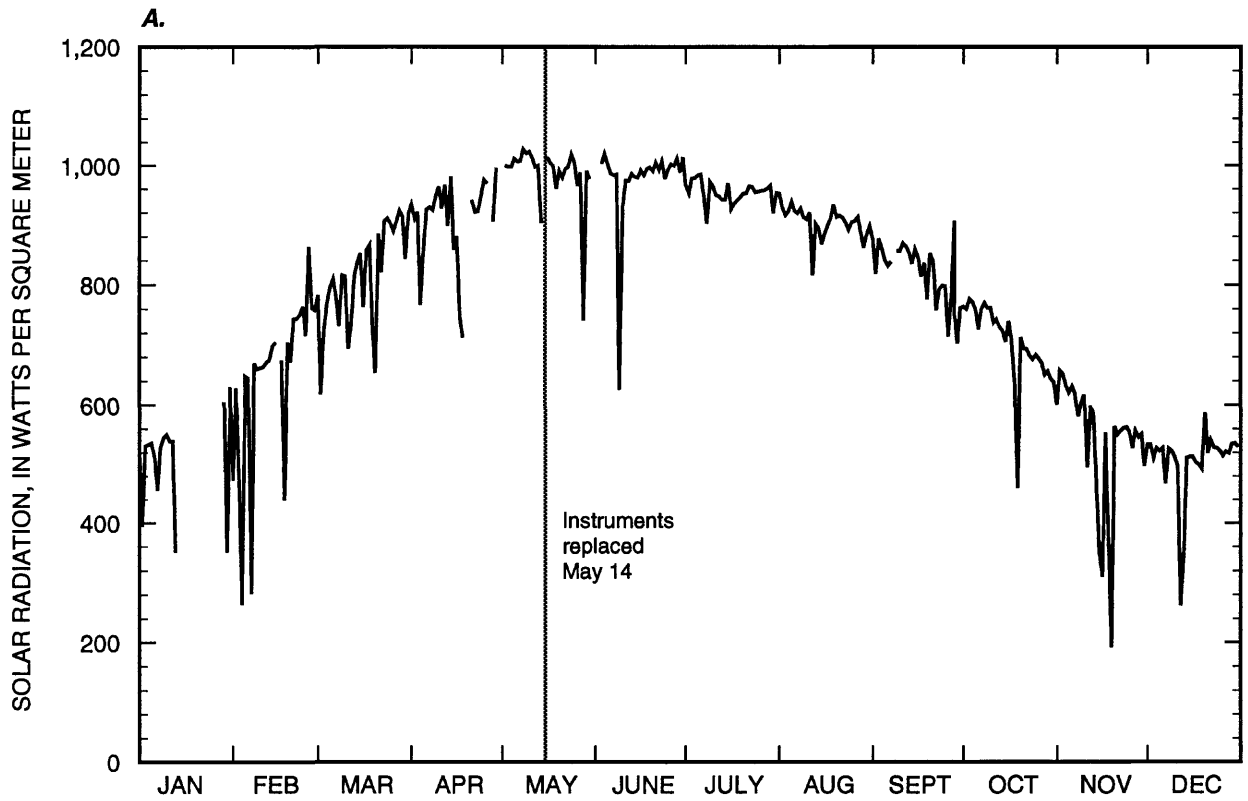


Figure 6. Daily maximum solar radiation computed from hourly averaged values for (A) 1990 and (B) 1991 for study site near Beatty, Nev.

Windspeed and Wind-Vector Direction

Daily mean, maximum, and minimum values of windspeed computed from hourly averaged values are listed in table 3. Daily mean windspeeds are shown in figure 7. In 1990, daily mean windspeeds, for days with 24 values, ranged from less than 1 m/s on several days in March and April, to 8.7 m/s in November. Hourly averages ranged from less than 1 m/s (essentially zero) to almost 14 m/s on November 26. In 1991, daily mean windspeeds ranged from 1.2 m/s on January 5, to 8.4 m/s May 31. Hourly averages ranged from less than 1 m/s to more than 14 m/s.

Daily mean wind-vector direction (degrees Azimuth) and wind-vector magnitude (meters per second) presented in table 3 were determined from hourly wind-vector direction and magnitude values using the following equations (Campbell Scientific, Inc., 1984, p. B-6 to B-10):

Daily mean wind-vector direction
in degrees = $\arctan(\bar{x}/\bar{y})$, and (2)

Daily mean wind-vector magnitude
 $= \sqrt{\bar{x}^2 + \bar{y}^2}$, (3)

where \bar{x} is the sum of each hourly wind-vector magnitude multiplied by the sine of the hourly wind-vector direction and divided by the number of hourly values. \bar{x} is positive to the east.

\bar{y} is the sum of each hourly wind-vector magnitude multiplied by the cosine of the hourly wind-vector direction and divided by the number of hourly values. \bar{y} is positive to the north.

Daily mean wind-vector direction (table 3) ranges from 0 to 360 degrees Azimuth (increasing degrees clockwise from north). The wind-vector direction calculated from equation 2 was transformed into degrees Azimuth on the basis of \bar{x} and \bar{y} . For positive \bar{x} and \bar{y} , the value calculated from equation 2 is the daily mean wind-vector direction in degrees Azimuth. For negative values of \bar{y} , the calculated value of wind-vector direction is added to 180 degrees, and for negative values of \bar{x} and positive value of \bar{y} , the calculated value is added to 360 degrees. Because equation 2 cannot be used when \bar{y} is zero, the mean

wind-vector direction was set to 90 degrees Azimuth for positive values of \bar{x} and 270 degrees Azimuth for negative values of \bar{x} .

Daily trends indicate definite interseasonal variability and yearly recurrence patterns in wind direction for 1990 and 1991. Wind at the study site was predominantly from the northwest during January and February. Northwest winds also prevailed during March, April, and May, but with a somewhat larger proportion coming from the southwest and southeast. Winds in June, July, and August were more evenly distributed from the northwest, southwest, and southeast directions. Winds changed again in September, and northwesterly patterns predominated during the remainder of both years. Wind direction data indicate an almost total lack of wind from the north and northeast at the study site.

Barometric Pressure

A CSI SBP270 barometric pressure sensor was added to the meteorological station in the summer of 1990. Twenty-minute pressure values were collected between June 2 and December 31, 1990; 10-minute values were collected during 1991. Barometric pressure at the site was corrected to sea level by using a correction factor (P) in the formula (Campbell Scientific, Inc., 1989):

$$P = mv \times 1.2 + 800 + \left[1 - \left(1 - \frac{\text{altitude}}{44307.69} \right)^{5.253} \right], (4)$$

where mv is millivolt output of barometer,

1.2 is barometer multiplier,

800 is barometer offset,

altitude is in meters above sea level, and

P is output in millibars and is multiplied by 0.1 to obtain kilopascals.

Daily mean, maximum, and minimum values of barometric pressure measured during 1990 and 1991 are listed in table 4. Daily mean barometric pressure values are shown in figure 8. In 1990, the minimum barometric pressure measured was 99.47 kPa on December 19, and the maximum was 103.12 kPa on November 28. In 1991, the minimum barometric pressure measured was 99.52 kPa on March 1, and the maximum was 103.40 kPa on November 23.

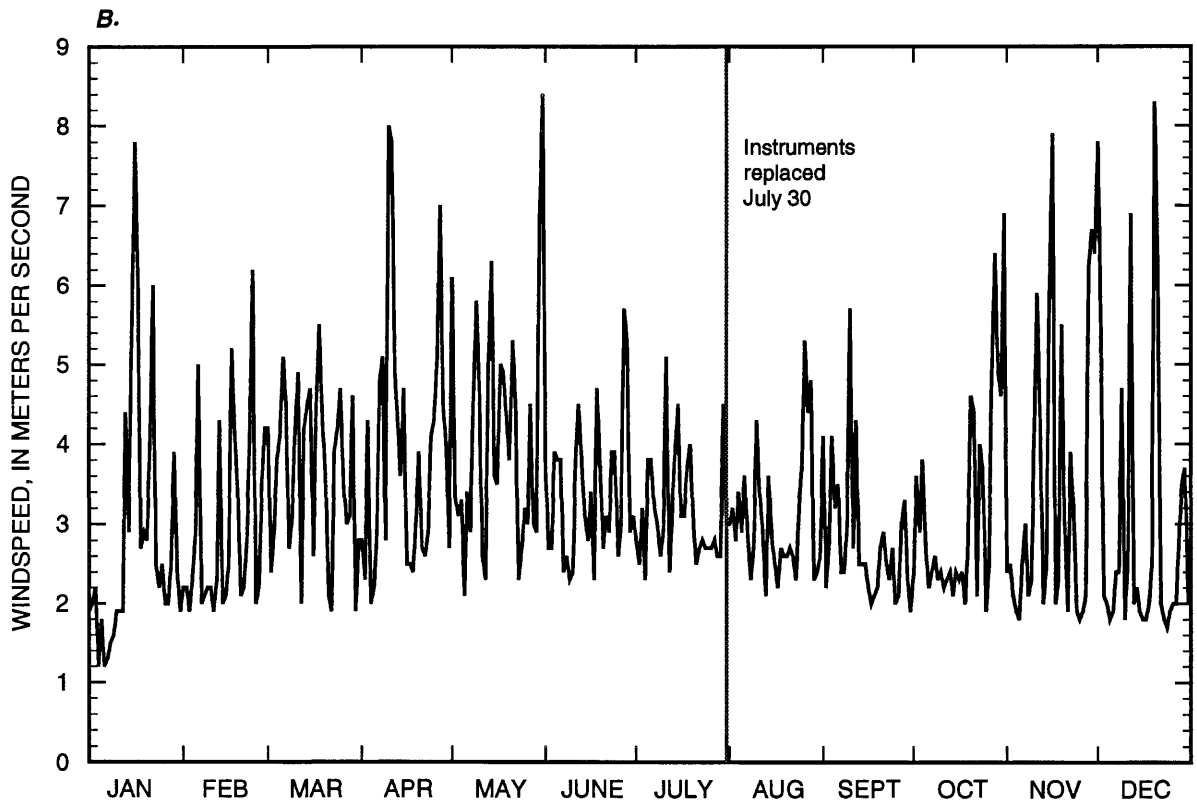
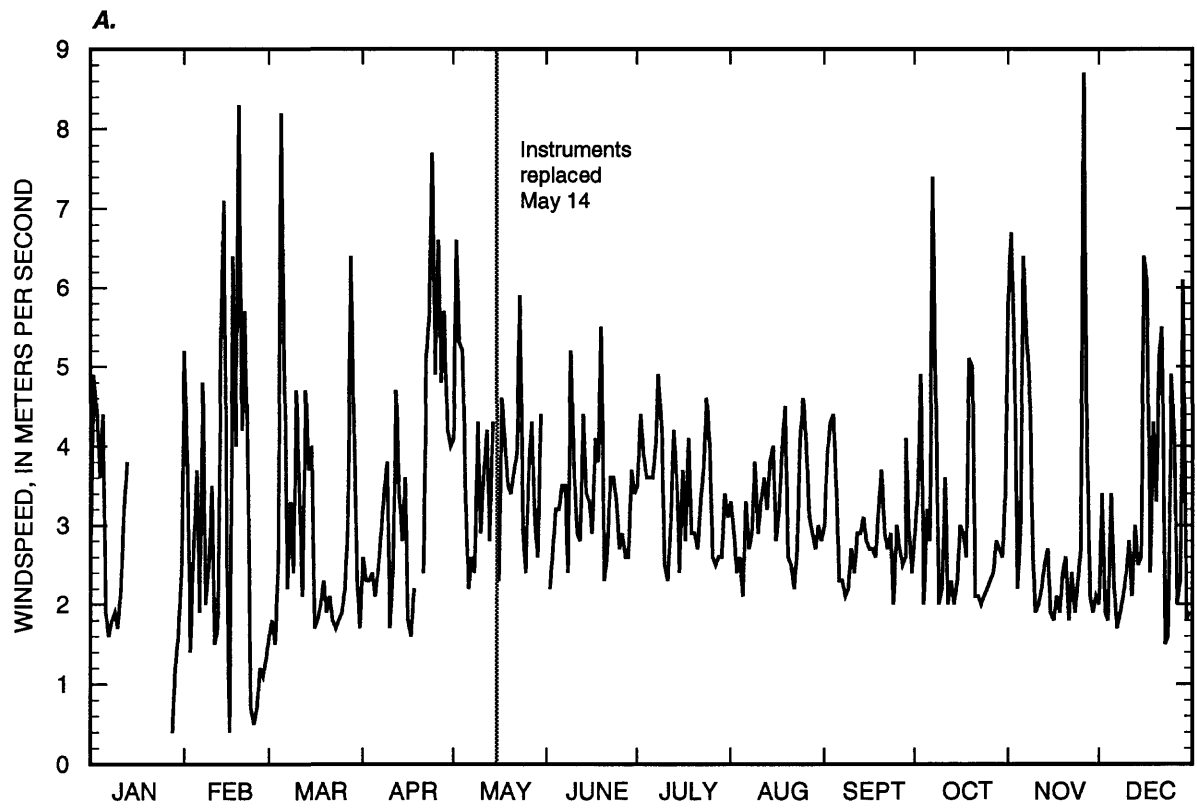


Figure 7. Daily mean windspeed computed from hourly averaged values for (A) 1990 and (B) 1991 for study site near Beatty, Nev.

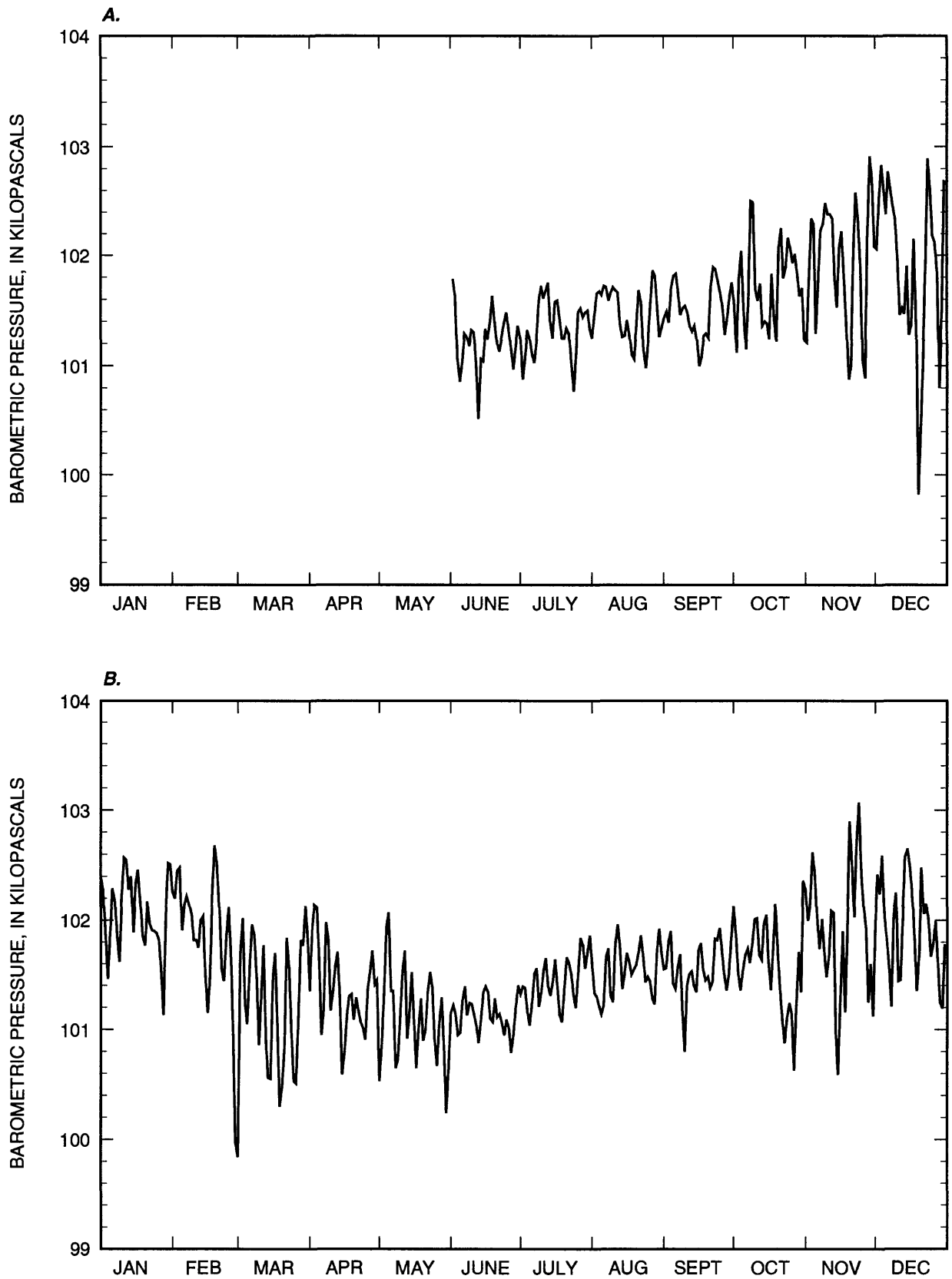


Figure 8. Daily mean barometric pressure computed from (A) 20-minute averaged values for June through December 1990 and (B) 10-minute averaged values for 1991, for study site near Beatty, Nev.

Precipitation

Due to the infrequent nature of precipitation at the study site, precipitation is not included in table 3, but is summarized in table 2 and figures 9 and 10. Total measured precipitation was 32.4 mm in 1990 and 103.6 mm in 1991. Summer precipitation was from localized convective storms, whereas winter events were from regional frontal systems.

Monthly precipitation values for 1990 measured at the study site are shown in figure 9A. Monthly precipitation ranged from 14.3 mm in September to zero in February, August, and December. More than 70 percent of the precipitation occurred in January (9.3 mm) and September (14.3 mm).

Monthly precipitation values for 1991 at the study site are shown in figure 10A. Monthly precipitation ranged from 59.4 mm in March to zero in January, April, June, October, and November. More than 70 percent of the precipitation occurred the last 2 days of February and during March.

Figures 9B and 10B show monthly precipitation at the study site (altitude 847 m) and two National Oceanic and Atmospheric Administration (NOAA) sites. One of these sites is designated Beatty 8N (lat. 37°00' N., long. 116°43' W.) and is situated 12.9 km north of Beatty at an altitude of 1,007 m (fig. 1); the other is Amargosa Farms (lat. 36°34' N., long. 116°28' W.), which is about 35 km southeast of the study site at an altitude of 747 m. Monthly values differ considerably between sites.

Daily precipitation totals for the study site are shown in figures 9 and 10. Values for both years are tabulated in table 2. The largest events occurred during the fall and spring months. In 1990, daily precipitation exceeded 5 mm only on September 21 and 23. In 1991, daily precipitation exceeded 10 mm only on March 20, 21, and 27. Summer storms are usually of short duration, but can be intense.

SUMMARY

Meteorological data were collected adjacent to a low-level radioactive-waste facility near Beatty, Nev., for calendar years 1990 and 1991 in support of an ongoing study to estimate the potential for downward movement of radionuclides into the unsaturated sediments beneath waste-burial trenches at the facility.

Table 2. Daily total precipitation at study site near Beatty, Nev., for 1990 and 1991. All unlisted dates had no precipitation

[Values are in millimeters.]

1990		
Month	Day	Total precipitation
January	2	0.8
January	4	.8
January	16	1.0
January	17	5.0
January	18	1.7
March	5	.5
March	6	.3
April	16	.5
May	27	2.0
May	28	1.3
June	9	.3
July	14	2.0
July	17	.3
September	21	5.8
September	23	6.9
September	28	.8
September	29	.8
October	18	.3
November	19	.5
November	20	.8
1991		
February	27	6.1
February	28	9.6
March	1	4.8
March	13	4.8
March	19	6.1
March	20	13.0
March	21	10.2
March	26	8.1
March	27	12.4
May	2	1.0
July	7	.5
July	8	3.8
July	30	5.8
July	31	.8
August	10	1.5
August	12	1.0
September	5	2.3
September	28	.8
December	7	.8
December	8	1.0
December	19	5.1
December	29	.8
December	30	3.3

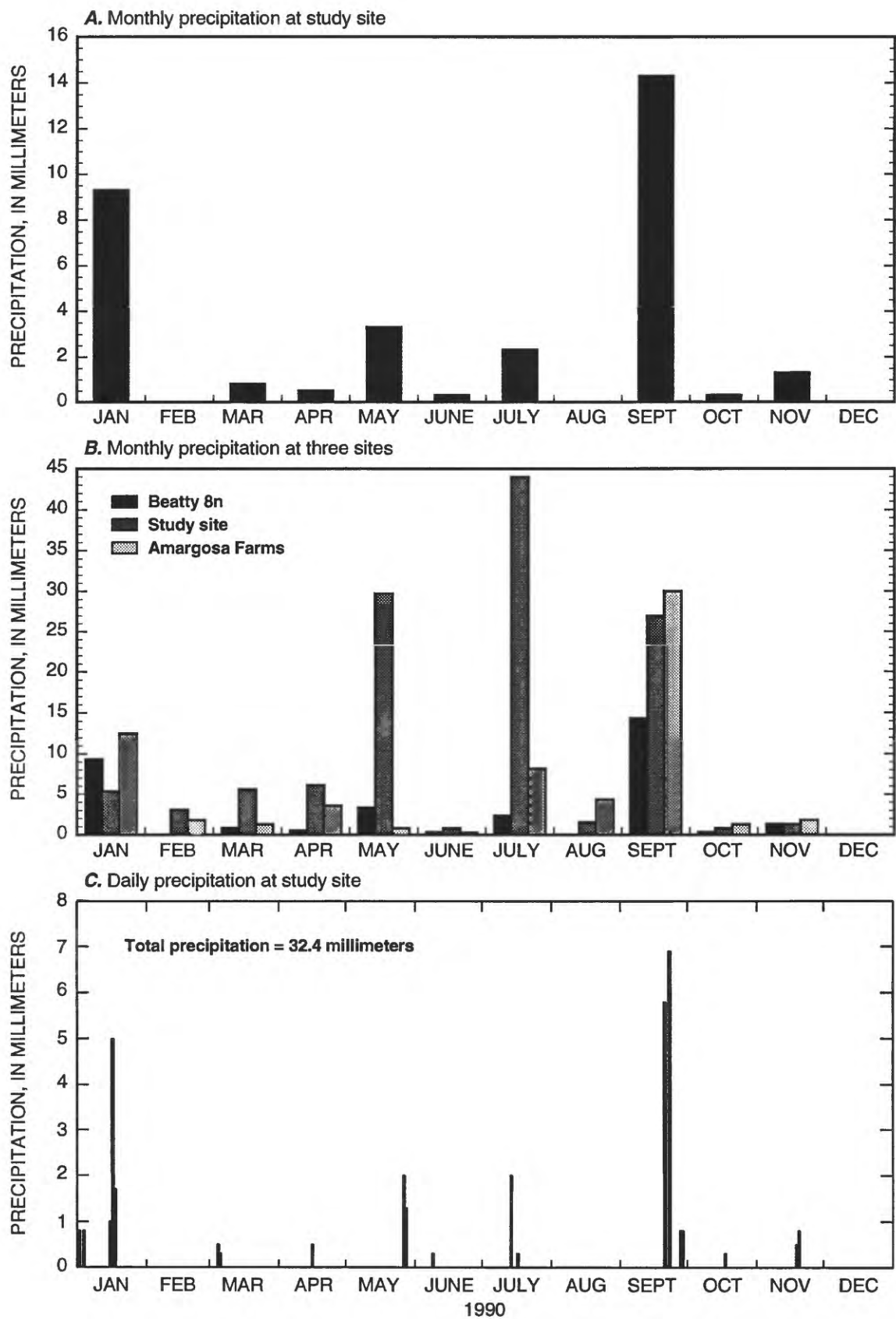


Figure 9. Precipitation at study site near Beatty, Nev., and two nearby sites for 1990.

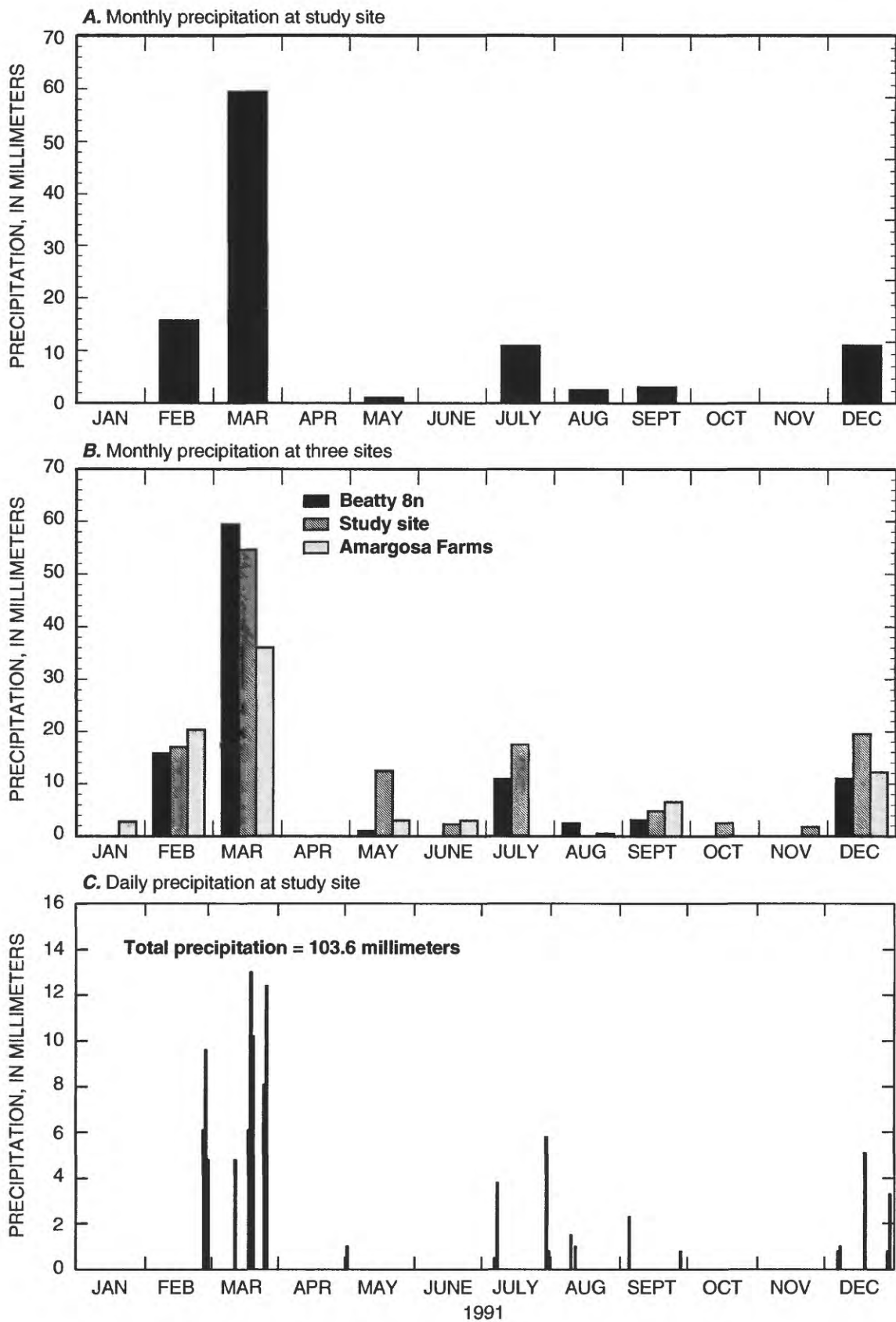


Figure 10. Precipitation at study site near Beatty, Nev., and two nearby sites for 1991.

This report provides daily averaged values of air temperature, relative humidity, vapor pressure, incident solar radiation, windspeed, wind direction, and barometric pressure, and daily totals of precipitation. A general description of instrumentation used and sensor installation is given.

In 1990, the minimum hourly averaged air temperature for the year was -16.2°C in December and the maximum was 44.2°C in July. Hourly averaged values for relative humidity ranged from 6 percent in June, July, and August to more than 90 percent in September. Hourly vapor pressures ranged from a minimum of 0.08 kPa in February to a maximum of 1.84 kPa in July. Daily maximum solar radiation values ranged from 192 W/m^2 in November to $1,028\text{ W/m}^2$ in May. Mean daily windspeed ranged from less than 1 m/s (essentially zero) on several days to 8.7 m/s in November. Wind direction determined from hourly averaged data was predominantly from the northwest from January through March and from October through December. The wind shifted during the summer months and was commonly from the southeast and northwest. Hourly barometric pressures ranged from 99.47 kPa in December to 103.12 kPa in November. Total measured precipitation for the year was 32.4 mm. Monthly precipitation ranged from 14.3 mm in September to zero in February, August, and December. Daily precipitation totaled more than 5 mm only twice during 1990, both in September.

In 1991, the minimum hourly averaged air temperature for the year was -9.2°C in January and the maximum was 43.7°C in July. Hourly averaged values for relative humidity ranged from 3 percent in August to more than 95 percent in January and December. Hourly vapor pressures ranged from a minimum of 0.07 kPa in January to a maximum of 2.22 kPa in July. Daily maximum solar radiation values ranged from 143 W/m^2 in November to $1,041\text{ W/m}^2$ in May. Mean daily windspeed ranged from 1.2 m/s in January to 8.4 m/s in May. Wind direction determined from hourly averaged data was predominantly from the northwest between January through March and October through December. The wind shifted during the summer months and was commonly from the southeast and northwest. Hourly barometric pressures ranged from 99.52 kPa in March to 103.40 kPa in November. Total measured precipitation for the year was 103.6 mm. Monthly precipitation ranged from 59.4 mm in March to zero in January, April, June, October, and November. Daily precipitation totaled more than 10 mm for 3 days in March.

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BASIC DATA

This section contains tables 3 and 4. Table 3 is a listing of daily averaged meteorological data (except precipitation, which is totaled) collected at the study site for 1990 and 1991. Table 4 is a summary of barometric pressure values collected at the study site in 1990 and 1991.

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements

[Instrument sensors changed May 14, 1990, and July 30, 1991. Abbreviations: --, data not available; max, maximum; min, minimum; std. dev., standard deviation; °az, degrees Azimuth]

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
90/01/01	24	6.2	14.5/ -2.0	90	517	21	26/ 17	0.21	0.29/ 0.14	2.8	7.1/ 0.4	1.2	147	58
90/01/02	24	5.1	10.3/ 1.6	52	395	36	70/ 21	.32	.65/ .18	4.9	9.8/ .8	4.6	331	12
90/01/03	24	3.6	9.9/ -1.9	131	531	22	26/ 18	.18	.23/ .13	4.5	8.3/ 1.4	4.0	335	14
90/01/04	24	5.2	13.6/ -4.4	132	534	21	28/ 17	.19	.27/ .13	3.6	8.7/ 1.1	2.4	327	38
90/01/05	24	7.7	16.6/ .5	133	536	20	23/ 16	.22	.31/ .14	4.4	8.2/ .7	3.9	327	20
90/01/06	24	3.1	12.3/ -5.0	105	512	22	27/ 18	.17	.26/ .12	1.9	2.9/ .4	.6	301	65
90/01/07	24	4.6	14.3/ -2.3	99	456	21	25/ 17	.19	.28/ .13	1.6	2.9/ .4	.7	301	59
90/01/08	24	6.8	17.9/ -1.6	122	529	20	24/ 16	.21	.33/ .13	1.8	2.8/ .4	.7	304	62
90/01/09	24	9.1	21.5/ .4	131	545	19	24/ 14	.24	.38/ .15	1.9	3.1/ .4	.8	312	58
90/01/10	24	10.0	23.2/ .3	137	550	21	34/ 14	.27	.41/ .18	1.7	2.9/ .4	1.0	314	50
90/01/11	24	10.2	21.8/ .7	132	539	20	29/ 14	.26	.39/ .18	2.2	3.1/ .7	.7	312	66
90/01/12	24	11.6	19.9/ 2.1	133	539	20	26/ 16	.28	.38/ .18	3.2	5.5/ 1.5	1.3	147	61
90/01/13	17	11.3	14.9/ 8.1	80	351	42	57/ 24	.57	.78/ .36	3.8	5.8/ 2.2	3.0	146	34
90/01/14	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/15	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/16	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/17	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/18	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/19	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/20	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/21	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/22	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/23	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/24	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/25	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/26	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/27	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/01/28	8	3.4	11.5/ -5	4	38	21	23/ 18	.17	.25/ .14	.4	.4/ .4	.2	326	59
90/01/29	24	5.5	17.0/ -3.3	158	605	20	25/ 16	.20	.31/ .12	1.2	4.3/ .4	.3	163	69
90/01/30	24	7.8	15.8/ .5	91	351	21	30/ 17	.23	.31/ .15	1.6	4.6/ .4	.9	213	53
90/01/31	24	7.1	13.7/ 0.9	165	630	24	39/ 17	.24	.32/ .16	2.4	8.5/ .4	1.4	314	48

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max	Max/min	Mean	Max/min	Max/min	Mean	Max/min	Mean	Max/min	Max/min	Magnitude (meters per second)	°az	Std. dev.	
90/02/01	24	6.5	10.6/ 3.3	473	95	473	33	59/ 18	0.31	0.49/ 0.19	5.2	11.3/ 0.4	3.1	354	50				
90/02/02	24	6.1	12.0/ -1.8	628	165	628	22	27/ 18	.21	.25/ .14	3.5	8.4/ .4	3.2	342	11				
90/02/03	24	3.3	10.6/ -5.3	463	103	463	26	42/ 19	.20	.24/ .15	1.4	4.6/ .4	1.0	131	39				
90/02/04	24	5.7	9.1/ 2.1	264	51	264	30	55/ 20	.27	.42/ .18	2.8	7.9/ .4	1.2	50	60				
90/02/05	24	6.4	14.5/ -1.0	648	172	648	23	33/ 17	.23	.29/ .14	3.7	10.6/ .4	2.2	331	48				
90/02/06	24	6.0	12.8/ -2.8	645	162	645	24	36/ 19	.23	.29/ .14	1.9	4.7/ .4	1.3	131	41				
90/02/07	24	4.3	7.8/ .0	282	65	282	26	39/ 21	.22	.31/ .14	4.8	11.8/ .4	4.6	324	13				
90/02/08	22	2.8	11.6/ -3.1	669	160	669	21	25/ 18	.17	.25/ .12	2.0	5.7/ .4	.7	294	62				
90/02/09	24	7.1	16.8/ -1.6	660	177	660	21	30/ 16	.22	.32/ .12	2.5	5.8/ .4	.9	299	62				
90/02/10	24	13.0	22.0/ .5	662	178	662	22	36/ 15	.32	.40/ .21	3.5	5.9/ .4	3.2	332	15				
90/02/11	24	12.7	21.4/ 4.5	664	158	664	20	31/ 15	.30	.39/ .25	1.5	5.4/ .4	.2	154	75				
90/02/12	24	13.1	20.8/ 6.9	671	158	671	20	26/ 15	.31	.39/ .25	1.7	5.0/ .4	.2	138	76				
90/02/13	24	8.2	14.6/ 1.1	675	178	675	24	50/ 17	.27	.40/ .15	5.3	10.8/ .4	3.2	346	49				
90/02/14	24	-5	2.8/ -5.0	698	167	698	22	23/ 20	.13	.16/ .10	7.1	9.9/ 1.2	6.8	328	9				
90/02/15	24	-5	6.3/ -7.1	704	193	704	22	24/ 19	.13	.19/ .09	2.5	5.5/ .4	.6	280	68				
90/02/16	8	-7.0	-4.9/ -8.1	171	23	171	24	24/ 23	.09	.10/ .08	.4	.4/ .4	.4	318	12				
90/02/17	18	7.9	13.5/ 3.5	207	207	674	48	69/ 23	.49	.64/ .36	6.4	8.9/ 3.4	5.8	125	19				
90/02/18	24	2.8	8.5/ -7	81	81	439	56	73/ 30	.41	.51/ .28	4.0	9.2/ 1.0	1.5	1	61				
90/02/19	24	5.4	11.3/ 1.0	178	178	704	29	58/ 18	.25	.39/ .18	8.3	11.4/ 4.9	7.8	329	13				
90/02/20	24	9.0	16.8/ 1.8	179	179	672	19	23/ 16	.23	.31/ .16	4.2	9.7/ 1.0	3.0	305	36				
90/02/21	24	13.0	19.4/ 7.8	175	175	743	18	22/ 15	.28	.36/ .21	5.7	8.9/ 2.6	5.2	321	17				
90/02/22	24	14.1	23.5/ 5.6	209	209	744	19	33/ 14	.32	.42/ .23	3.5	8.7/ .4	2.8	319	28				
90/02/23	24	13.2	25.5/ 1.1	211	211	750	20	32/ 13	.30	.45/ .20	.7	2.1/ .4	.3	317	50				
90/02/24	24	13.5	23.8/ 2.8	182	182	764	18	24/ 14	.29	.42/ .18	.5	.6/ .4	.1	324	65				
90/02/25	24	13.9	24.3/ 5.5	167	167	716	17	20/ 14	.29	.43/ .19	.7	2.4/ .4	.4	309	50				
90/02/26	24	14.3	25.4/ 5.3	191	191	863	17	21/ 13	.29	.45/ .19	1.2	3.8/ .4	.5	257	56				
90/02/27	24	14.6	25.1/ 4.8	217	217	762	17	21/ 13	.30	.45/ .19	1.1	4.2/ .4	.5	244	58				
90/02/28	24	14.4	24.6/ 4.4	215	215	758	19	32/ 14	.32	.44/ .21	1.3	3.6/ .4	.5	232	57				

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	Direction	
													°az	Std. dev.
90/03/01	24	15.1	23.4/ 6.1	153	783	17	21/ 14	0.31	0.42/ 0.20	1.6	4.5/ 0.4	0.6	161	62
90/03/02	76	15.9	22.1/ 10.7	191	618	17	19/ 14	.31	.40/ .25	1.8	3.3/ .4	.3	170	73
90/03/03	78	15.2	20.7/ 8.3	226	721	31	41/ 21	.53	.64/ .45	1.5	3.8/ .4	.8	142	49
90/03/04	24	13.3	20.0/ 7.3	205	771	32	52/ 18	.47	.65/ .28	2.6	6.0/ .4	1.8	156	39
90/03/05	24	10.4	15.8/ 5.7	145	795	31	63/ 18	.37	.60/ .26	8.2	12.9/ .4	7.9	328	9
90/03/06	24	12.2	18.7/ 6.2	234	810	19	23/ 16	.27	.34/ .22	5.0	7.3/ .4	4.6	328	16
90/03/07	24	12.0	20.3/ 0.6	222	780	19	31/ 15	.28	.37/ .18	2.2	3.3/ .8	1.0	125	55
90/03/08	24	14.4	21.1/ 6.8	184	732	17	20/ 15	.29	.38/ .20	3.3	6.6/ 1.3	2.2	137	41
90/03/09	24	13.3	22.7/ 4.5	223	816	18	21/ 14	.28	.41/ .18	2.4	3.5/ .9	.5	300	70
90/03/10	24	13.5	22.5/ 3.3	238	814	19	33/ 14	.30	.41/ .17	4.7	8.6/ 1.0	3.0	176	46
90/03/11	24	7.0	9.8/ 2.9	139	694	28	37/ 24	.29	.45/ .23	3.3	6.9/ .4	2.5	322	35
90/03/12	24	3.6	9.3/ -2.3	159	734	26	38/ 20	.21	.28/ .17	2.1	5.6/ .4	1.1	248	49
90/03/13	24	5.2	12.2/ -1.6	239	816	24	38/ 18	.21	.26/ .15	4.7	8.3/ .5	4.3	328	14
90/03/14	24	10.6	18.2/ 1.7	225	837	18	21/ 16	.25	.34/ .15	3.7	6.0/ 1.7	2.5	316	41
90/03/15	24	13.5	20.5/ 5.9	254	852	19	28/ 15	.30	.37/ .23	4.0	6.8/ .5	3.2	329	27
90/03/16	24	12.1	20.5/ 1.1	214	764	18	22/ 15	.26	.37/ .15	1.7	4.2/ .4	.3	269	69
90/03/17	24	14.4	24.6/ 5.4	243	857	17	20/ 14	.29	.44/ .18	1.8	3.5/ .4	.5	244	67
90/03/18	24	16.5	27.4/ 4.3	261	866	16	20/ 13	.33	.49/ .17	2.0	3.3/ .4	.7	288	62
90/03/19	24	18.0	26.9/ 7.3	222	735	16	21/ 13	.35	.48/ .22	2.3	4.0/ .4	.4	234	72
90/03/20	24	19.0	28.3/ 10.7	170	654	16	18/ 13	.36	.50/ .24	1.9	2.9/ .4	.6	297	64
90/03/21	24	18.7	29.4/ 7.6	266	885	16	20/ 12	.36	.52/ .21	2.1	4.1/ .4	1.1	263	52
90/03/22	24	19.8	29.0/ 10.4	236	821	15	18/ 12	.37	.51/ .24	1.8	4.2/ .4	.5	213	66
90/03/23	24	19.6	29.9/ 9.5	276	906	15	19/ 12	.37	.53/ .23	1.7	3.2/ .4	.7	272	57
90/03/24	24	18.5	29.1/ 6.6	273	910	16	20/ 12	.35	.52/ .20	1.8	3.1/ .4	.6	281	62
90/03/25	24	18.4	28.1/ 8.7	276	902	16	19/ 13	.35	.51/ .22	1.9	3.8/ .4	.6	185	64
90/03/26	24	16.6	25.0/ 7.2	235	889	16	20/ 14	.33	.45/ .20	2.2	5.5/ .4	1.2	134	51
90/03/27	24	17.4	25.5/ 8.2	269	904	16	19/ 14	.34	.46/ .21	3.0	6.8/ .4	1.6	293	48
90/03/28	24	15.6	21.1/ 11.3	269	923	17	19/ 15	.31	.39/ .26	6.4	7.8/ 3.9	5.6	338	22
90/03/29	24	14.9	21.6/ 7.3	286	914	17	20/ 15	.30	.40/ .21	4.2	6.4/ 1.0	3.5	333	23
90/03/30	24	15.6	22.8/ 6.8	219	843	17	20/ 14	.31	.42/ .20	2.3	4.7/ .5	.1	116	77
90/03/31	24	16.0	25.0/ 6.0	285	918	17	22/ 14	.32	.45/ .21	1.7	3.9/ .4	.6	232	59

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
90/04/01	24	17.6	26.0/ 6.3	286	934	17	21/ 14	0.35	0.48/ 0.20	2.6	5.4/ 0.4	0.8	153	64
90/04/02	24	17.4	25.5/ 7.0	262	910	18	26/ 14	.36	.47/ .26	2.3	4.8/ .4	.5	332	68
90/04/03	24	18.4	27.0/ 6.9	281	921	17	27/ 13	.37	.49/ .26	2.3	4.8/ .5	.9	134	60
90/04/04	24	17.3	24.5/ 9.6	185	767	17	26/ 14	.35	.44/ .24	2.4	4.9/ .4	1.0	246	58
90/04/05	24	17.9	26.0/ 7.0	260	862	20	34/ 14	.40	.49/ .30	2.1	5.0/ .4	1.0	199	54
90/04/06	24	20.2	26.9/ 10.4	290	925	18	30/ 14	.44	.51/ .36	2.4	5.8/ .4	1.3	169	49
90/04/07	24	19.9	26.2/ 12.1	280	929	19	34/ 14	.44	.51/ .33	2.9	6.6/ .4	1.6	191	50
90/04/08	24	17.2	23.2/ 11.3	264	924	21	29/ 15	.40	.44/ .33	3.4	5.6/ 1.5	1.4	298	57
90/04/09	24	19.6	27.3/ 12.3	303	949	17	22/ 13	.39	.50/ .29	3.8	5.7/ 1.3	3.3	314	17
90/04/10	24	19.7	29.5/ 7.9	302	964	16	20/ 12	.38	.54/ .22	1.7	3.1/ .4	.5	262	64
90/04/11	24	21.9	30.9/ 10.5	298	927	15	18/ 12	.41	.56/ .24	2.4	5.2/ .4	1.1	275	54
90/04/12	16	24.8	32.2/ 17.6	445	967	14	16/ 12	.45	.59/ .33	4.7	6.6/ 2.6	3.9	293	54
90/04/13	15	28.2	32.6/ 20.8	358	898	13	16/ 12	.51	.58/ .39	3.4	5.5/ 1.0	3.2	148	24
90/04/14	24	22.3	30.8/ 11.1	299	981	15	19/ 13	.42	.56/ .25	2.8	5.9/ .4	2.6	190	21
90/04/15	24	17.9	23.8/ 12.8	183	858	19	31/ 15	.38	.48/ .30	3.6	8.7/ .7	3.3	122	23
90/04/16	24	14.8	20.3/ 9.6	219	880	35	64/ 20	.56	.82/ .42	1.8	3.8/ .4	1.6	186	26
90/04/17	19	15.2	20.3/ 11.9	158	746	40	66/ 23	.67	.94/ .46	1.6	3.9/ .4	1.4	267	29
90/04/18	23	15.8	22.8/ 10.7	166	713	36	66/ 18	.62	.94/ .40	2.2	3.9/ .4	1.9	253	28
90/04/19	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/04/20	0	--	--	--	--	--	--	--	--	--	--	--	--	--
90/04/21	12	23.0	26.8/ 16.2	356	941	15	18/ 14	.43	.50/ .33	2.4	3.7/ 0.5	1.9	140	36
90/04/22	12	16.9	22.0/ 14.8	239	921	24	27/ 19	.45	.51/ .37	5.1	6.2/ 3.7	5.0	89	14
90/04/23	12	22.0	26.3/ 14.4	370	922	18	23/ 16	.48	.54/ .37	5.6	1.4/ 3.2	5.1	195	24
90/04/24	24	16.7	23.0/ 11.6	259	950	20	29/ 15	.38	.43/ .31	7.7	11.3/ 4.0	7.5	313	13
90/04/25	24	19.6	27.8/ 9.7	327	976	17	22/ 14	.38	.51/ .27	4.9	7.0/ 1.7	4.7	306	17
90/04/26	24	23.9	30.6/ 17.4	321	970	15	17/ 13	.45	.56/ .34	6.6	9.0/ 4.1	6.4	306	14
90/04/27	5	18.7	19.6/ 18.0	0	0	17	17/ 16	.36	.37/ .35	4.8	6.1/ 4.2	4.8	282	10
90/04/28	17	27.0	32.6/ 17.3	371	905	14	17/ 12	.50	.60/ .34	5.7	11.5/ .5	5.4	233	23
90/04/29	24	17.6	24.1/ 12.1	315	996	17	24/ 15	.35	.45/ .26	4.2	9.6/ 1.6	3.4	205	34
90/04/30	6	10.9	12.2/ 10.3	6	38	36	41/ 28	.46	.55/ .40	4.0	7.1/ 1.1	3.5	210	33

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Magnitude (meters per second)	°az	Std. dev.
90/05/01	19	16.0	19.1/10.9		226	731		19	31/16		0.34	0.40/0.28		4.1	6.9/0.6		3.5	188	30
90/05/02	24	18.3	24.9/10.7		340	1,000		16	19/14		.35	.46/ .24		6.6	10.1/ 2.2		6.2	325	20
90/05/03	24	21.6	27.9/ 14.9		293	998		16	18/ 14		.40	.51/ .30		5.3	8.8/ 3.6		5.0	320	20
90/05/04	24	23.6	29.8/ 15.8		340	998		15	18/ 13		.44	.54/ .33		5.2	6.3/ 3.6		4.9	204	20
90/05/05	24	25.2	33.8/ 14.1		345	1,012		14	18/ 12		.47	.62/ .29		3.3	5.1/ 1.2		2.7	191	33
90/05/06	24	25.8	34.9/ 14.9		345	1,007		14	18/ 12		.48	.64/ .30		2.2	3.4/ .5		1.6	181	41
90/05/07	24	26.6	35.2/ 13.8		341	1,008		14	18/ 11		.49	.65/ .28		2.6	4.9/ .4		2.4	186	23
90/05/08	24	26.5	35.0/ 14.0		354	1,028		14	18/ 12		.49	.65/ .29		2.4	4.2/ .4		2.0	210	34
90/05/09	24	23.1	29.7/ 13.9		350	1,021		15	18/ 13		.43	.55/ .28		4.3	8.6/ .6		3.9	272	29
90/05/10	24	22.3	30.6/ 10.8		339	1,024		15	19/ 13		.42	.57/ .24		2.9	5.4/ .6		2.3	171	38
90/05/11	15	20.9	27.0/ 14.6		515	1,013		16	18/ 14		.39	.50/ .29		3.7	4.6/ 2.4		3.2	120	27
90/05/12	13	25.9	29.9/ 20.7		324	998		14	16/ 13		.48	.55/ .39		4.2	6.2/ .6		3.8	128	21
90/05/13	24	23.8	30.5/ 16.0		315	1,000		15	18/ 13		.44	.56/ .32		2.8	6.6/ .6		2.4	155	30
90/05/14	10	21.1	27.4/ 18.0		294	903		16	17/ 14		.40	.49/ .35		4.3	5.1/ 2.6		4.1	84	17
90/05/15	0	--	--		--	--		--	--		--	--		--	--		--	--	--
90/05/16	24	21.7	28.9/ 11.1		308	1,014		13	17/ 11		.34	.43/ .23		2.3	4.8/ 1.0		2.0	123	21
90/05/17	24	23.3	31.9/ 12.3		351	1,005		13	17/ 10		.37	.45/ .24		4.6	10.8/ 1.7		4.4	229	17
90/05/18	24	22.8	28.9/ 13.9		332	999		13	18/ 11		.37	.43/ .28		4.0	6.9/ 2.1		3.8	212	18
90/05/19	24	20.1	26.5/ 14.2		303	961		15	19/ 12		.34	.40/ .29		3.5	5.9/ 1.4		3.2	155	21
90/05/20	24	21.0	28.5/ 13.3		344	991		15	19/ 11		.36	.43/ .28		3.4	5.6/ 1.7		3.2	131	19
90/05/21	24	23.9	31.8/ 11.6		344	980		14	20/ 10		.40	.47/ .27		3.7	5.9/ 1.4		3.5	182	18
90/05/22	24	25.7	32.7/ 18.6		348	994		14	21/ 9		.45	.51/ .37		3.9	5.6/ 1.6		3.7	160	17
90/05/23	24	25.0	31.5/ 16.9		350	998		14	20/ 10		.43	.50/ .36		5.9	9.4/ 2.1		5.7	182	16
90/05/24	24	19.0	26.0/ 11.6		360	1,019		15	21/ 12		.33	.40/ .24		2.9	6.6/ 1.1		2.4	235	31
90/05/25	24	21.6	29.8/ 8.6		335	1,006		13	18/ 10		.35	.44/ .20		2.4	4.2/ .5		2.2	184	23
90/05/26	24	24.5	30.6/ 18.8		324	966		13	17/ 10		.39	.45/ .33		3.8	5.4/ 2.2		3.6	132	17
90/05/27	24	20.4	24.6/ 14.5		174	988		26	83/ 15		.58	1.36/ .39		4.3	6.2/ 1.0		4.1	171	16
90/05/28	24	13.9	17.7/ 11.4		129	741		71	83/ 54		1.12	1.32/ .99		3.0	7.0/ .6		2.9	158	15
90/05/29	24	18.9	26.7/ 7.6		342	991		45	89/ 18		.84	1.26/ .54		2.6	4.7/ 1.1		2.3	196	25
90/05/30	24	21.4	28.3/ 13.6		344	978		27	55/ 11		.63	.90/ .35		4.4	7.1/ .5		4.2	127	17
90/05/31	24	18.9	24.5/ 13.7		301	943		31	49/ 17		0.65	0.83/ 0.41		4.3	7.4/ 1.9		4.1	139	18

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Magnitude (meters per second)	°az	Std. dev.
90/06/01	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
90/06/02	10	23.5	32.7/ 10.8	358	999	13	20/ 9	0.28	0.34/ 0.20	2.2	3.1/ 1.1	1.7	223	34					
90/06/03	24	27.2	38.4/ 14.7	358	1,004	12	19/ 7	.33	.40/ .25	2.7	4.1/ 1.2	2.4	222	24					
90/06/04	24	29.1	40.9/ 16.2	369	1,020	11	16/ 6	.35	.43/ .24	3.2	5.4/ 1.5	2.7	223	28					
90/06/05	24	30.5	37.8/ 23.0	359	1,002	10	13/ 8	.38	.44/ .30	3.2	4.9/ 1.8	2.7	188	28					
90/06/06	24	28.8	36.2/ 22.3	354	987	11	14/ 8	.37	.44/ .30	3.5	6.6/ 1.7	3.0	185	29					
90/06/07	24	30.5	37.5/ 23.9	353	984	11	15/ 8	.39	.43/ .36	3.5	6.4/ 1.7	3.1	245	29					
90/06/08	24	31.0	39.8/ 19.0	349	985	10	16/ 7	.38	.45/ .28	2.4	4.2/ 1.4	1.8	236	35					
90/06/09	24	26.1	31.7/ 18.9	173	626	29	77/ 11	.40	.45/ .31	5.2	11.3/ 1.4	4.8	156	23					
90/06/10	24	23.6	29.9/ 16.0	230	931	54	82/ 31	1.02	1.45/ .44	3.7	6.4/ .8	3.4	181	25					
90/06/11	24	26.4	32.8/ 18.6	348	974	27	50/ 11	1.12	1.33/ .85	2.9	5.2/ 1.0	2.4	161	33					
90/06/12	24	26.5	33.6/ 16.7	350	974	12	16/ 9	.46	1.05/ .25	2.8	4.8/ .8	2.3	185	34					
90/06/13	24	24.8	33.2/ 15.8	353	986	13	17/ 9	.34	.41/ .23	4.4	7.0/ 1.4	3.8	144	28					
90/06/14	24	20.7	27.1/ 14.4	347	981	17	24/ 13	.34	.41/ .28	3.4	4.6/ 1.5	3.0	152	26					
90/06/15	24	21.0	26.8/ 13.9	325	980	17	24/ 13	.33	.42/ .24	3.3	5.6/ 1.4	2.8	220	30					
90/06/16	24	24.9	31.4/ 17.6	357	992	14	19/ 10	.35	.41/ .28	2.9	5.0/ 1.4	2.3	205	35					
90/06/17	24	25.9	34.8/ 14.4	354	984	12	17/ 9	.33	.39/ .22	4.1	7.3/ 1.5	3.8	211	22					
90/06/18	24	26.9	34.2/ 19.4	358	994	12	16/ 9	.35	.42/ .27	3.8	8.1/ 1.9	3.4	177	23					
90/06/19	24	28.8	36.6/ 22.0	359	997	12	15/ 8	.37	.42/ .33	5.5	9.3/ 2.9	5.1	279	20					
90/06/20	24	30.2	39.8/ 19.7	358	991	11	16/ 7	.39	.48/ .30	2.3	4.9/ 1.2	1.7	238	40					
90/06/21	24	30.6	41.5/ 19.7	363	1,005	11	15/ 6	.39	.49/ .28	2.6	4.0/ 1.3	2.1	214	30					
90/06/22	24	30.7	41.5/ 19.3	359	993	10	15/ 6	.37	.45/ .26	3.6	6.0/ 1.6	3.3	203	21					
90/06/23	24	31.7	40.5/ 21.0	365	1,007	10	14/ 7	.38	.45/ .28	3.6	6.3/ 1.4	3.3	165	25					
90/06/24	24	32.2	41.4/ 24.2	351	978	10	13/ 6	.39	.44/ .31	3.3	6.3/ 1.2	3.0	178	27					
90/06/25	24	32.7	40.9/ 22.6	361	993	10	13/ 6	.39	.45/ .30	2.7	4.3/ .9	2.2	174	32					
90/06/26	24	31.3	40.9/ 8.5	364	1,002	10	14/ 6	.37	.45/ .25	2.9	4.7/ 1.9	2.5	220	27					
90/06/27	24	31.9	40.9/ 20.4	364	1,000	10	14/ 6	.38	.44/ .27	2.6	5.0/ .9	2.1	198	36					
90/06/28	24	30.6	40.9/ 19.0	367	1,012	10	14/ 6	.37	.44/ .26	2.6	3.7/ 1.2	2.2	206	33					
90/06/29	24	29.7	41.0/ 19.3	357	989	10	14/ 6	.36	.44/ .26	3.7	6.1/ 1.7	3.4	224	22					
90/06/30	24	33.6	42.8/ 23.0	334	1,014	9	13/ 6	.37	.44/ .30	3.4	5.6/ 1.2	3.1	231	23					

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max	Max/min	Mean	Max/min	Max/min	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
90/07/01	24	34.7	43.0/ 28.7	341	967	9	12/ 6	0.43	0.46/ 0.39	3.5	5.6/ 1.2	3.1	160	26					
90/07/02	24	33.1	40.7/ 28.2	339	953	10	12/ 7	.43	.48/ .40	4.4	6.9/ 2.5	4.0	150	21					
90/07/03	24	28.7	37.2/ 24.4	352	978	11	13/ 8	.40	.49/ .32	3.9	5.2/ 2.7	3.6	132	21					
90/07/04	24	30.2	37.3/ 23.1	354	979	11	14/ 8	.37	.44/ .33	3.6	5.7/ 1.4	3.3	140	22					
90/07/05	24	29.6	39.0/ 17.9	356	984	11	16/ 7	.38	.44/ .26	3.6	5.6/ 1.6	3.3	186	23					
90/07/06	24	29.8	38.2/ 20.7	354	985	11	14/ 8	.38	.45/ .28	3.6	5.3/ 1.9	3.2	163	25					
90/07/07	24	30.9	37.9/ 24.5	341	946	11	15/ 8	.39	.46/ .33	4.0	6.3/ 1.4	3.6	157	22					
90/07/08	24	30.5	37.4/ 25.8	331	902	14	20/ 9	.47	.59/ .39	4.9	6.4/ 3.0	4.7	152	16					
90/07/09	24	32.1	38.8/ 25.5	346	972	12	18/ 8	.49	.59/ .41	4.2	6.1/ 2.7	3.9	142	20					
90/07/10	24	32.9	40.0/ 22.9	340	965	15	22/ 9	.52	.97/ .44	2.5	3.8/ 1.3	1.9	220	36					
90/07/11	24	33.6	42.6/ 24.5	336	950	14	21/ 8	.64	1.00/ .48	2.3	3.4/ 1.2	1.8	253	35					
90/07/12	24	35.0	44.2/ 24.6	310	948	11	16/ 6	.53	.80/ .42	3.0	5.2/ 1.2	2.3	195	36					
90/07/13	24	34.3	41.2/ 30.2	275	942	12	15/ 8	.53	.64/ .48	4.2	9.7/ 1.5	3.6	255	30					
90/07/14	24	30.8	40.1/ 21.2	278	942	30	84/ 9	.56	.71/ .47	3.6	7.7/ 1.2	2.9	182	36					
90/07/15	24	28.5	35.8/ 21.2	303	970	51	82/ 25	1.32	1.84/ .58	2.4	4.2/ .6	1.9	201	33					
90/07/16	24	28.6	35.0/ 20.8	314	926	49	73/ 32	1.44	1.75/ 1.22	3.7	8.3/ 1.9	3.4	169	25					
90/07/17	24	30.8	38.1/ 22.5	321	935	37	67/ 17	1.51	1.71/ 1.23	2.8	5.3/ 1.4	2.3	264	35					
90/07/18	24	30.8	40.5/ 12.8	319	941	22	32/ 9	1.07	1.57/ .79	4.1	9.3/ 1.4	3.5	224	33					
90/07/19	24	33.3	40.7/ 24.9	328	946	16	28/ 8	.68	1.03/ .24	2.9	5.6/ .8	2.3	237	35					
90/07/20	24	33.9	41.1/ 26.6	336	952	12	21/ 7	.59	.79/ .47	2.9	5.3/ 1.2	2.4	205	35					
90/07/21	24	33.1	41.5/ 24.6	336	953	11	16/ 7	.49	.67/ .40	2.7	4.6/ 1.4	2.3	205	32					
90/07/22	24	32.7	41.5/ 24.7	338	965	11	17/ 7	.48	.60/ .37	3.3	5.2/ 1.2	2.9	190	28					
90/07/23	24	33.0	40.8/ 23.3	339	964	11	16/ 7	.44	.55/ .37	3.7	5.3/ 1.3	3.4	165	22					
90/07/24	24	30.1	38.3/ 23.7	338	955	11	14/ 8	.42	.49/ .34	4.6	6.3/ 2.8	4.4	138	18					
90/07/25	24	28.8	35.9/ 23.1	335	956	14	20/ 9	.44	.52/ .38	4.0	5.2/ 2.9	3.7	132	19					
90/07/26	24	29.0	37.3/ 18.9	336	957	12	17/ 8	.41	.52/ .30	2.6	3.6/ 1.6	2.2	177	28					
90/07/27	24	29.5	38.9/ 18.9	336	958	11	15/ 7	.38	.46/ .27	2.5	3.7/ 1.2	2.1	222	28					
90/07/28	24	29.8	39.9/ 18.9	337	961	11	15/ 7	.37	.45/ .26	2.6	4.1/ 1.5	2.4	249	24					
90/07/29	24	30.5	40.7/ 20.1	338	966	10	14/ 7	.37	.45/ .27	2.6	4.0/ 1.4	2.3	226	24					
90/07/30	24	31.8	40.7/ 20.1	334	920	10	14/ 7	.37	.45/ .27	3.4	5.7/ 1.3	3.0	191	23					
90/07/31	24	31.5	39.0/ 22.2	333	953	10	14/ 7	.40	.45/ .31	3.1	4.8/ 1.9	2.7	198	27					

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	Direction	
													°az	Std. dev.
90/08/01	24	29.4	38.3/ 19.0	328	952	11	14/ 8	0.37	0.46/ 0.26	3.3	5.4/ 1.8	2.9	198	25
90/08/02	24	30.2	38.5/ 20.6	318	929	11	14/ 8	.38	.46/ .28	2.9	5.3/ 1.8	2.6	207	23
90/08/03	24	31.0	39.8/ 21.4	312	916	12	18/ 8	.43	.53/ .34	2.4	3.5/ 1.3	1.9	207	34
90/08/04	24	32.1	41.7/ 21.5	320	922	11	16/ 7	.43	.53/ .33	2.6	4.4/ 1.0	2.1	229	31
90/08/05	24	34.2	43.4/ 21.6	312	938	10	15/ 6	.42	.51/ .31	2.1	3.5/ 1.0	1.5	211	40
90/08/06	24	34.2	42.0/ 24.2	316	923	10	14/ 6	.44	.54/ .35	3.3	7.3/ 1.3	2.9	171	29
90/08/07	24	32.0	41.0/ 23.3	315	919	12	19/ 7	.50	.58/ .44	2.7	4.2/ 1.5	2.3	218	29
90/08/08	24	33.1	41.5/ 23.6	314	927	11	16/ 7	.44	.52/ .37	2.9	5.1/ 1.3	2.5	240	27
90/08/09	24	32.3	40.2/ 25.1	276	913	11	15/ 8	.45	.52/ .38	3.8	7.3/ 1.5	3.2	240	31
90/08/10	24	33.0	40.3/ 24.8	279	909	13	18/ 8	.50	.56/ .43	2.9	6.0/ 1.1	2.3	191	36
90/08/11	24	32.9	39.6/ 24.3	282	920	14	25/ 9	.58	.76/ .52	3.3	7.6/ 1.4	2.7	213	35
90/08/12	24	31.0	38.2/ 26.4	233	817	18	25/ 11	.58	.88/ .46	3.6	6.3/ 1.4	2.7	224	40
90/08/13	24	31.0	39.3/ 21.5	296	901	19	35/ 8	.71	.88/ .57	3.2	5.4/ 1.5	2.6	191	33
90/08/14	24	28.7	36.2/ 17.8	276	894	26	40/ 11	.67	.99/ .46	3.8	9.1/ 1.5	3.3	140	28
90/08/15	24	27.5	33.7/ 22.9	226	868	37	47/ 22	.95	1.22/ .19	4.0	8.1/ 2.1	3.7	157	20
90/08/16	24	25.7	34.6/ 17.9	296	885	40	67/ 10	1.15	1.37/ .93	2.8	4.1/ 1.2	2.4	168	30
90/08/17	24	28.6	35.9/ 18.8	302	900	18	35/ 10	.73	1.29/ .50	3.2	5.0/ 1.2	2.7	184	28
90/08/18	24	27.6	33.6/ 21.1	275	910	15	22/ 10	.48	.71/ .36	4.0	5.8/ 1.3	3.6	179	23
90/08/19	24	24.9	32.0/ 19.0	305	933	22	34/ 10	.51	.69/ .38	4.5	8.5/ 1.6	4.0	204	27
90/08/20	24	22.5	29.9/ 15.7	261	913	23	38/ 12	.51	.64/ .40	2.6	5.7/ 1.2	2.1	177	33
90/08/21	24	23.5	32.4/ 13.2	291	915	16	22/ 10	.40	.63/ .26	2.5	4.5/ 1.3	2.2	245	27
90/08/22	24	25.6	34.7/ 15.2	304	911	13	19/ 9	.36	.49/ .25	2.2	3.7/ 1.1	1.8	247	32
90/08/23	24	26.8	35.4/ 15.6	297	903	12	17/ 9	.34	.44/ .24	2.7	4.9/ .9	2.4	199	25
90/08/24	24	27.5	34.3/ 22.0	295	892	14	21/ 10	.42	.50/ .34	4.1	5.8/ 3.0	3.8	138	20
90/08/25	24	25.0	31.4/ 18.9	265	904	16	26/ 10	.42	.51/ .32	4.6	6.8/ 2.3	4.3	142	19
90/08/26	24	24.4	31.7/ 17.9	300	906	14	18/ 10	.35	.44/ .28	4.0	6.8/ 1.7	3.7	147	22
90/08/27	24	24.6	34.3/ 13.5	298	912	13	19/ 9	.33	.40/ .23	3.1	5.4/ 1.9	2.8	222	23
90/08/28	24	26.7	37.0/ 15.4	285	906	12	16/ 8	.33	.42/ .23	2.6	3.3/ 1.2	2.3	258	23
90/08/29	24	29.2	38.5/ 18.7	280	862	12	16/ 9	.37	.47/ .28	2.7	3.9/ 1.3	2.5	208	20
90/08/30	24	28.6	37.2/ 18.5	288	884	12	17/ 8	.42	.53/ .30	3.0	4.6/ 1.2	2.5	177	31
90/08/31	24	25.6	34.9/ 15.4	292	897	13	17/ 9	.36	.47/ .24	2.8	5.0/ 1.5	2.5	223	25

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
90/09/01	24	27.2	37.0/16.0	283	875	13	27/ 8	0.33	0.43/0.23	3.0	5.2/ 1.1	2.8	210	21
90/09/02	24	29.4	36.9/19.9	268	819	30	46/10	.80	1.41/ .36	3.9	6.0/ 1.8	3.6	171	21
90/09/03	24	29.5	37.1/21.5	277	876	27	42/10	.92	1.22/ .54	4.3	8.5/ 1.5	3.9	197	23
90/09/04	24	28.3	34.1/22.2	267	860	32	47/19	.89	1.20/ .39	4.4	7.0/ 3.3	4.3	127	15
90/09/05	24	28.1	33.8/19.8	245	841	35	47/ 21	.98	1.34/ .68	3.5	6.5/ 1.5	3.3	179	19
90/09/06	24	27.7	35.3/20.0	263	832	40	66/ 18	1.21	1.57/ .86	2.3	4.0/ 1.2	1.9	207	31
90/09/07	24	28.9	37.3/20.6	266	838	25	42/12	.96	1.47/ .76	2.3	3.6/ 1.1	2.0	258	27
90/09/08	7	26.3	33.1/22.1	0	0	14	24/10	.51	.94/ .32	2.1	2.4/ 1.5	2.0	320	16
90/09/09	24	28.0	39.6/19.1	270	856	13	18/ 8	.39	.50/ .31	2.2	4.0/ 1.0	1.9	257	26
90/09/10	24	27.3	39.2/18.8	270	856	12	17/ 7	.35	.47/ .26	2.7	5.0/ 1.0	2.4	249	23
90/09/11	24	28.0	39.0/16.4	262	869	11	16/ 7	.35	.44/ .23	2.4	3.3/ 1.0	2.2	246	23
90/09/12	24	29.0	39.6/17.9	272	864	11	15/ 7	.36	.44/ .25	2.9	3.9/ 1.6	2.7	224	21
90/09/13	24	27.2	37.8/17.8	268	853	12	15/ 8	.35	.44/ .25	2.9	4.2/ 1.2	2.6	220	25
90/09/14	24	27.5	37.9/18.1	261	835	12	16/ 8	.37	.47/ .27	3.1	5.4/ 1.7	2.8	206	21
90/09/15	24	27.3	35.8/14.8	269	859	12	16/ 8	.33	.42/ .21	2.8	4.0/ 1.1	2.4	169	31
90/09/16	24	24.2	32.6/13.5	263	845	12	16/ 9	.32	.40/ .20	2.7	3.6/ 1.5	2.3	209	27
90/09/17	24	24.0	30.0/13.1	232	814	14	18/11	.33	.39/ .22	2.7	4.9/ 1.6	2.2	207	33
90/09/18	24	24.8	30.2/19.9	209	836	14	19/11	.36	.47/ .26	2.6	4.0/ 1.2	2.2	197	31
90/09/19	24	22.6	30.2/15.4	188	777	17	21/13	.41	.51/ .29	3.2	6.1/ 0.9	2.6	278	33
90/09/20	24	25.9	32.2/20.0	228	852	15	19/11	.43	.48/ .37	3.7	5.1/ 1.6	3.4	214	21
90/09/21	24	21.9	27.6/16.8	167	838	42	78/20	.99	1.26/ .47	2.9	5.0/ 1.2	2.2	227	36
90/09/22	24	22.1	28.6/15.0	216	759	50	81/28	1.00	1.36/ .82	2.7	5.3/ 1.3	2.3	230	29
90/09/23	24	20.7	26.0/16.3	203	793	64	92/44	1.28	1.42/1.13	2.9	4.8/ 1.6	2.3	223	34
90/09/24	24	21.0	27.8/14.6	232	799	62	93/36	1.16	1.36/ .98	2.0	3.2/ 1.1	1.7	241	33
90/09/25	24	22.0	29.3/13.9	240	798	41	81/13	.70	1.10/ .42	3.0	5.5/ 1.8	2.8	203	19
90/09/26	24	21.8	29.2/13.5	218	715	30	60/13	.55	.79/ .39	2.7	5.2/ 1.1	2.4	210	26
90/09/27	24	21.6	29.0/13.1	234	784	27	48/11	.50	.74/ .38	2.5	6.3/ 1.0	2.1	238	29
90/09/28	24	21.6	27.0/17.7	144	750	34	65/19	.74	1.06/ .56	4.1	6.8/ 2.2	3.7	221	25
90/09/29	24	21.7	27.9/16.5	199	703	39	52/18	.78	.89/ .57	3.0	5.2/ 1.2	2.4	251	37
90/09/30	24	23.4	31.9/15.3	197	762	28	52/12	.54	.82/ .39	2.4	3.7/ 1.2	1.9	209	37

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
90/10/01	24	23.0	30.6/ 15.3	225	764	27	43/ 14	0.64	0.89/ 0.50	2.9	4.5/ 1.3	2.6	180	27
90/10/02	24	23.4	31.9/ 14.1	220	760	33	68/ 10	.59	1.04/ .28	3.4	8.1/ 1.1	3.0	268	27
90/10/03	24	23.8	31.4/ 16.6	230	777	14	20/ 10	.33	.40/ .29	4.9	9.3/ 1.4	4.6	321	19
90/10/04	24	22.5	32.4/ 11.9	228	772	18	33/ 10	.40	.45/ .33	2.0	3.2/ 1.0	1.7	235	29
90/10/05	24	23.4	31.9/ 13.2	202	758	21	39/ 11	.46	.61/ .35	3.2	5.6/ 1.4	3.1	212	17
90/10/06	24	22.0	28.9/ 14.0	200	727	24	40/ 14	.48	.64/ .38	2.8	7.1/ 1.3	2.5	222	27
90/10/07	24	19.0	23.9/ 12.4	218	760	18	24/ 14	.30	.37/ .20	7.4	9.3/ 3.4	7.3	329	11
90/10/08	24	15.5	23.8/ 7.8	225	770	16	19/ 13	.22	.31/ .15	4.4	7.8/ 1.3	4.1	270	22
90/10/09	24	15.9	26.2/ 4.8	222	762	16	20/ 12	.24	.33/ .16	2.0	3.1/ 0.9	1.6	241	33
90/10/10	24	16.8	27.8/ 5.4	222	762	16	21/ 11	.25	.35/ .16	2.2	3.9/ 1.0	2.0	263	23
90/10/11	24	19.6	29.5/ 8.3	213	737	14	19/ 11	.27	.37/ .18	3.6	6.9/ 1.8	3.4	298	19
90/10/12	24	18.4	29.1/ 7.0	214	743	15	19/ 11	.26	.36/ .16	2.0	2.9/ 1.2	1.7	262	31
90/10/13	24	19.3	30.2/ 9.7	210	730	15	19/ 10	.27	.38/ .19	2.3	4.1/ 1.2	2.0	229	26
90/10/14	24	20.5	31.2/ 11.6	206	724	14	19/ 10	.29	.39/ .20	2.0	3.2/ 1.2	1.6	201	33
90/10/15	24	19.7	29.8/ 11.3	200	706	15	19/ 11	.29	.38/ .21	2.3	3.2/ 1.2	2.1	254	23
90/10/16	24	19.8	27.9/ 11.4	194	739	18	28/ 13	.33	.43/ .22	3.0	5.3/ 1.4	2.8	236	20
90/10/17	24	19.6	27.0/ 10.6	197	709	14	18/ 12	.27	.35/ .19	2.9	6.1/ .9	2.5	201	28
90/10/18	24	19.2	26.6/ 13.0	123	641	30	46/ 17	.64	.94/ .23	2.6	4.7/ 1.3	2.3	206	22
90/10/19	24	16.1	21.0/ 11.0	101	460	31	45/ 18	.40	.61/ .22	5.1	8.9/ 1.6	4.7	281	21
90/10/20	24	12.5	20.1/ 4.3	201	712	19	23/ 14	.21	.27/ .15	5.0	8.7/ 1.7	4.8	328	17
90/10/21	24	11.8	22.0/ 2.7	195	694	18	22/ 13	.21	.29/ .15	2.1	2.8/ 1.0	1.7	254	31
90/10/22	24	14.1	24.6/ 3.5	188	693	17	21/ 12	.23	.32/ .15	2.1	2.9/ .8	1.8	235	26
90/10/23	24	16.6	28.0/ 7.0	190	682	16	20/ 11	.25	.36/ .17	2.0	2.7/ 1.0	1.7	271	27
90/10/24	24	18.2	30.1/ 6.8	188	676	16	23/ 11	.28	.39/ .19	2.1	3.2/ 1.1	1.9	237	25
90/10/25	24	18.6	29.7/ 6.7	180	683	16	24/ 11	.28	.38/ .19	2.2	3.1/ .9	2.0	230	21
90/10/26	24	18.5	29.3/ 10.1	171	677	16	20/ 11	.27	.37/ .18	2.3	3.2/ 1.1	2.0	236	24
90/10/27	24	18.1	29.7/ 7.5	185	671	15	20/ 11	.26	.37/ .18	2.4	3.3/ .7	2.2	254	21
90/10/28	24	18.0	29.0/ 9.0	180	651	15	19/ 11	.26	.37/ .18	2.8	4.5/ 1.0	2.7	237	19
90/10/29	24	17.6	27.9/ 8.3	179	656	16	20/ 12	.27	.36/ .18	2.7	5.0/ 1.2	2.4	241	25
90/10/30	24	17.5	26.7/ 8.0	176	644	20	33/ 13	.32	.38/ .26	2.6	3.9/ 1.3	2.3	229	26
90/10/31	24	18.8	25.2/ 14.6	170	638	16	28/ 12	.30	.41/ .23	3.4	5.0/ 1.7	3.2	146	21

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max	Max/min	Mean	Max/min	Max/min	Mean	Max/min	Mean	Max/min	Max/min	Magnitude (meters per second)	°az	Std. dev.	
90/11/01	24	13.2	18.1/ 8.7	602	133	602	27	42/ 18	0.30	0.46/ 0.22	5.8	8.1/ 2.1	5.6	312	16				
90/11/02	24	9.0	14.2/ 5.1	657	177	657	21	27/ 16	.19	.21/ .16	6.7	10.4/ 4.3	6.5	329	13				
90/11/03	24	11.3	18.8/ 5.2	652	176	652	18	21/ 14	.20	.25/ .15	5.4	8.5/ 2.9	5.1	315	16				
90/11/04	24	11.5	20.9/ 2.9	632	170	632	17	20/ 14	.19	.28/ .14	2.2	4.5/ 1.2	1.7	226	35				
90/11/05	24	12.2	21.4/ 2.1	621	166	621	18	22/ 14	.22	.29/ .15	2.9	6.9/ 1.1	2.6	261	29				
90/11/06	24	10.0	13.8/ 6.1	631	170	631	19	21/ 17	.19	.21/ .16	6.4	8.6/ 3.7	6.1	261	15				
90/11/07	24	9.8	16.3/ 4.5	619	169	619	18	22/ 15	.18	.23/ .16	5.4	9.1/ 2.3	5.0	325	20				
90/11/08	24	16.6	25.0/ 6.7	582	157	582	18	23/ 16	.33	.41/ .16	4.9	8.2/ 1.4	4.5	294	23				
90/11/09	24	16.3	25.0/ 9.3	604	160	604	25	42/ 14	.34	.49/ .23	2.7	5.7/ 1.4	2.1	250	36				
90/11/10	24	14.6	27.6/ 4.6	617	164	617	22	38/ 11	.26	.35/ .15	1.9	3.3/ 1.3	1.6	277	31				
90/11/11	24	14.0	25.9/ 4.6	495	132	495	16	20/ 12	.22	.33/ .15	2.0	3.0/ 1.2	1.8	252	24				
90/11/12	24	15.7	26.5/ 6.4	598	158	598	16	19/ 12	.23	.34/ .16	2.2	3.1/ 1.2	2.0	260	23				
90/11/13	24	14.8	25.1/ 4.6	586	152	586	16	21/ 12	.23	.32/ .16	2.5	3.8/ 1.2	2.3	235	18				
90/11/14	24	14.7	24.3/ 6.6	467	119	467	18	23/ 13	.25	.33/ .19	2.7	4.3/ 1.4	2.6	224	18				
90/11/15	24	14.0	22.8/ 8.0	349	93	349	19	23/ 14	.26	.33/ .20	1.9	2.9/ .8	1.7	261	29				
90/11/16	24	13.7	20.5/ 7.7	310	74	310	21	27/ 16	.27	.32/ .23	1.8	2.7/ .7	1.6	274	27				
90/11/17	24	15.6	23.5/ 9.0	553	141	553	20	26/ 15	.28	.36/ .23	2.1	3.0/ 1.2	1.8	268	29				
90/11/18	24	12.6	20.1/ 7.1	382	91	382	25	31/ 19	.30	.37/ .26	1.9	2.7/ 1.0	1.7	262	26				
90/11/19	24	11.7	15.6/ 7.7	48	48	192	33	76/ 23	.46	.86/ .30	2.4	5.4/ 1.0	2.2	222	21				
90/11/20	24	9.7	15.2/ 3.9	564	124	564	53	94/ 17	.42	.87/ .19	2.6	5.1/ 1.3	2.3	234	29				
90/11/21	24	6.8	15.9/ -1.4	41	141	551	33	51/ 17	.27	.33/ .23	1.8	2.8/ 1.0	1.4	251	34				
90/11/22	24	8.0	20.2/ -1.1	43	143	557	33	56/ 15	.27	.33/ .21	2.4	4.7/ 1.0	2.1	275	25				
90/11/23	24	10.0	23.6/ -1	44	144	562	27	48/ 13	.24	.32/ .16	1.9	3.0/ 1.2	1.5	239	35				
90/11/24	24	10.1	23.1/ .3	44	144	563	19	28/ 13	.20	.30/ .14	2.3	3.7/ 1.4	2.0	238	25				
90/11/25	24	10.4	19.6/ -3	41	124	555	18	24/ 14	.23	.43/ .14	2.7	4.2/ 1.3	2.4	206	23				
90/11/26	24	6.0	12.5/ .3	118	118	528	30	51/ 20	.22	.37/ .16	8.7	13.7/ 2.8	8.5	320	13				
90/11/27	24	3.3	12.3/ -2.2	141	141	557	25	34/ 17	.17	.20/ .14	4.0	6.9/ 2.0	3.8	281	18				
90/11/28	24	5.3	14.2/ -1.7	138	138	546	22	26/ 17	.17	.22/ .15	2.1	4.1/ 1.1	1.6	245	37				
90/11/29	24	4.6	14.5/ -4.4	131	131	551	22	29/ 16	.17	.22/ .14	1.9	2.6/ 1.0	1.7	240	26				
90/11/30	24	7.0	16.9/ .1	122	122	498	20	23/ 15	.17	.24/ .14	2.1	3.5/ 1.3	1.9	242	24				

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Magnitude (meters per second)	°az	Std. dev.
90/12/01	24	7.3	18.5/ -1.1	134	534	21	30/ 15	0.19	0.25/ 0.13	2.0	2.8/ 1.4	1.4	227	40					
90/12/02	24	8.2	16.9/ -0.8	134	534	18	22/ 15	.17	.23/ .13	3.4	6.5/ 1.5	3.1	296	25					
90/12/03	24	5.8	16.1/ -2.4	125	511	20	24/ 16	.17	.23/ .13	1.9	2.8/ 1.0	1.6	273	28					
90/12/04	24	6.4	17.4/ -9	126	528	20	23/ 15	.17	.24/ .14	1.8	2.7/ 1.0	1.6	267	29					
90/12/05	24	10.0	20.8/ -5	114	523	18	23/ 14	.20	.29/ .14	3.4	6.9/ .9	3.1	271	24					
90/12/06	24	7.9	17.1/ .3	132	528	20	20/ 26	.18	.24/ .13	2.2	5.1/ 1.1	1.7	224	35					
90/12/07	24	4.6	15.9/ -3.5	102	468	20	24/ 16	.16	.23/ .13	1.7	3.1/ .8	1.6	221	25					
90/12/08	24	5.3	19.4/ -4.9	131	527	20	24/ 14	.17	.26/ .12	1.9	3.1/ .8	1.7	233	24					
90/12/09	24	6.3	19.0/ -3.4	131	523	19	22/ 14	.17	.25/ .12	2.1	3.1/ 1.0	2.0	271	18					
90/12/10	24	7.1	17.7/ -2.2	128	514	19	22/ 15	.17	.24/ .13	2.4	3.9/ 1.4	2.2	253	19					
90/12/11	24	9.8	18.0/ 1.9	101	497	18	21/ 15	.20	.44/ .15	2.8	4.6/ 1.7	2.6	233	21					
90/12/12	24	8.4	13.2/ 1.3	60	262	44	62/ 20	.45	.55/ .38	2.1	4.5/ 1.3	1.8	215	26					
90/12/13	24	4.7	10.4/ -1.1	83	347	62	82/ 48	.45	.55/ .32	3.0	5.7/ 1.2	2.9	260	16					
90/12/14	24	2.6	10.3/ -3.7	126	511	37	56/ 20	.24	.32/ .16	2.5	6.2/ .9	2.2	221	30					
90/12/15	24	2.0	10.6/ -7.3	123	513	35	52/ 20	.23	.27/ .19	2.6	6.3/ 1.2	2.4	236	20					
90/12/16	24	3.6	9.4/ -5.0	129	513	36	52/ 23	.25	.31/ .20	6.4	10.6/ 1.5	6.1	324	16					
90/12/17	24	6.0	11.8/ 1.8	116	504	33	43/ 25	.28	.32/ .24	6.1	10.1/ 2.0	5.8	310	16					
90/12/18	24	4.2	12.0/ -3.0	119	500	38	54/ 24	.28	.36/ .21	2.4	3.9/ 1.2	2.1	248	27					
90/12/19	24	3.4	12.0/ -4.8	110	493	40	71/ 19	.27	.39/ .18	4.3	8.6/ 1.4	4.0	236	26					
90/12/20	24	-2.2	.5/ -6.6	126	587	29	43/ 21	.16	.22/ .13	3.3	6.3/ 1.0	3.1	306	22					
90/12/21	24	-5.0	.6/ -9.1	109	519	25	28/ 23	.14	.15/ .13	5.1	7.5/ 1.8	4.9	313	19					
90/12/22	24	-7.3	1.5/ -11.5	134	541	26	30/ 22	.13	.15/ .12	5.5	9.6/ 1.6	5.2	315	20					
90/12/23	24	-7.7	.4/ -16.2	132	529	25	29/ 20	.13	.15/ .12	1.5	1.9/ .9	1.1	201	42					
90/12/24	24	-4.8	.9/ -14.3	131	528	23	27/ 19	.13	.16/ .12	1.6	2.3/ 1.2	1.3	205	36					
90/12/25	24	1.5	9.6/ -7.7	129	523	23	34/ 20	.17	.23/ .13	4.9	10.0/ 1.5	4.5	293	25					
90/12/26	24	1.3	10.9/ -7.9	128	515	33	45/ 21	.22	.27/ .20	4.1	9.1/ 1.3	3.8	284	22					
90/12/27	24	.3	10.9/ -8.5	128	522	38	61/ 22	.24	.31/ .17	2.0	2.8/ .8	1.7	242	30					
90/12/28	24	-7	.4/ -9.2	129	519	36	52/ 22	.21	.26/ .16	2.3	3.4/ .7	2.1	239	22					
90/12/29	24	-6	.2/ -7.4	133	535	28	46/ 19	.16	.24/ .12	6.1	10.5/ 2.0	5.9	329	16					
90/12/30	24	-4.0	.2/ -13.9	135	536	23	28/ 18	.13	.16/ .12	1.8	2.8/ 1.1	1.5	231	34					
90/12/31	24	-2.2	0.6/ -12.0	133	530	231	26/ 17	.14	.18/ .12	1.9	2.7/ 1.0	1.7	262	27					

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
91/01/01	24	0.1	14.1/ -9.2	112	494	21	24/ 16	0.14	0.26/ 0.07	1.9	2.9/ 0.8	1.8	264	23
91/01/02	24	2.7	13.9/ -9.1	110	494	20	24/ 16	.16	.26/ .08	2.0	2.5/ 1.3	1.9	244	22
91/01/03	24	6.4	11.1/ 2.5	43	204	42	97/ 17	.39	.83/ .15	2.2	4.1/ .8	2.0	210	26
91/01/04	24	5.4	7.8/ 2.9	39	194	90	96/ 73	.81	.89/ .72	1.2	2.4/ .7	1.1	175	24
91/01/05	24	4.8	12.2/ -1.5	124	504	76	96/ 51	.64	.75/ .5	1.8	2.8/ .7	1.6	229	29
91/01/06	24	4.2	9.4/ -3.1	70	411	72	94/ 58	.59	.71/ .46	1.2	1.9/ .6	.9	227	38
91/01/07	24	7.5	11.0/ 4.9	65	300	61	64/ 56	.63	.73/ .55	1.3	2.3/ .9	1.1	223	27
91/01/08	24	5.8	12.7/ .8	123	543	57	78/ 40	.51	.62/ .36	1.5	2.6/ .8	1.2	234	35
91/01/09	24	4.6	10.4/ -1.4	66	313	62	90/ 52	.53	.69/ .41	1.6	2.7/ .6	1.4	292	27
91/01/10	24	4.4	13.5/ -3.9	128	500	64	94/ 37	.50	.61/ .42	1.9	3.5/ 1.1	1.5	228	35
91/01/11	24	6.3	14.1/ .0	108	514	57	83/ 38	.53	.68/ .44	1.9	3.8/ .9	1.7	257	26
91/01/12	24	7.6	17.3/ -1.2	115	476	48	74/ 29	.49	.64/ .39	1.9	2.6/ .9	1.6	234	26
91/01/13	24	10.4	20.4/ -0.2	125	518	43	69/ 23	.52	.67/ .38	4.4	9.0/ 1.2	4.2	275	22
91/01/14	24	11.1	19.5/ 3.7	132	531	35	54/ 18	.44	.65/ .28	2.9	5.5/ 1.4	2.6	307	28
91/01/15	24	10.1	20.1/ -0.4	136	538	29	46/ 15	.33	.41/ .28	5.4	10.3/ 1.9	5.2	326	18
91/01/16	24	10.0	15.3/ 6.2	140	544	24	33/ 18	.29	.36/ .25	7.8	12.1/ 5.3	7.6	327	13
91/01/17	24	11.3	17.1/ 7.1	142	609	26	37/ 22	.36	.43/ .27	6.1	7.9/ 3.3	5.9	326	14
91/01/18	24	8.9	16.1/ 2.7	139	541	41	55/ 28	.46	.58/ .36	2.7	5.8/ 1.6	2.3	218	29
91/01/19	24	8.7	17.7/ -0.2	141	546	40	61/ 22	.43	.54/ .36	2.9	7.0/ 1.4	2.5	271	30
91/01/20	24	6.9	12.8/ 2.2	121	570	29	46/ 18	.28	.37/ .17	2.8	7.4/ 1.2	2.2	189	44
91/01/21	24	4.7	11.3/ -1.9	148	567	22	28/ 17	.19	.23/ .15	4.0	7.4/ 1.3	3.8	276	25
91/01/22	24	7.4	14.4/ 1.7	150	579	20	24/ 16	.21	.27/ .16	6.0	9.6/ 2.2	5.8	310	15
91/01/23	24	7.4	16.0/ -1.1	123	474	20	25/ 16	.21	.29/ .14	2.5	4.6/ 1.5	1.9	179	36
91/01/24	24	4.6	15.5/ -4.5	151	575	23	32/ 16	.20	.29/ .13	2.2	3.0/ 1.1	2.0	243	23
91/01/25	24	4.2	14.3/ -5.4	153	582	22	31/ 17	.19	.28/ .12	2.5	3.7/ 1.0	2.3	255	22
91/01/26	24	5.1	16.0/ -3.0	151	575	22	29/ 16	.20	.30/ .14	2.0	3.4/ 1.0	1.7	246	30
91/01/27	24	6.4	17.6/ -3.2	158	595	20	26/ 15	.20	.30/ .13	2.0	3.2/ 1.5	1.7	222	33
91/01/28	24	5.5	15.9/ -4.8	158	595	20	24/ 16	.18	.28/ .10	2.5	6.5/ 1.1	2.1	239	33
91/01/29	24	4.3	11.4/ -4.0	162	611	20	23/ 17	.17	.23/ .10	3.9	9.4/ 2.1	3.5	218	22
91/01/30	24	1.8	13.2/ -7.9	165	617	21	24/ 16	.15	.25/ .08	2.4	3.4/ 1.4	2.3	237	20
91/01/31	24	4.6	16.0/ -4.8	129	561	19	23/ 15	.17	.28/ .10	1.9	2.9/ 1.0	1.7	281	24

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
91/02/01	24	6.6	18.2/ -2.0	153	569	19	22/ 15	0.19	0.30/ 0.12	2.2	3.3/ 0.9	2.0	252	24
91/02/02	24	4.9	13.6/ -2.5	78	345	19	22/ 16	.17	.25/ .11	2.2	3.0/ 1.1	2.0	260	24
91/02/03	24	8.3	19.7/ -2.0	152	617	19	22/ 14	.21	.33/ .12	1.9	3.3/ 1.3	1.4	238	40
91/02/04	24	10.5	20.9/ .9	163	614	19	24/ 14	.24	.35/ .15	2.3	4.0/ 1.2	2.0	262	30
91/02/05	24	12.0	20.1/ 3.5	158	624	21	32/ 15	.29	.48/ .18	2.9	7.1/ 1.5	2.6	260	27
91/02/06	24	14.8	22.1/ 10.4	169	622	25	38/ 14	.41	.50/ .25	5.0	8.4/ 1.2	4.6	281	25
91/02/07	24	12.0	22.2/ 2.5	173	635	20	31/ 13	.28	.36/ .20	2.0	2.9/ 1.0	1.5	265	38
91/02/08	24	10.8	22.2/ 1.0	175	640	19	25/ 14	.25	.36/ .17	2.1	3.6/ 1.1	1.8	237	29
91/02/09	24	11.0	21.7/ .4	177	645	19	25/ 14	.25	.36/ .16	2.2	2.8/ .8	2.1	261	22
91/02/10	24	11.1	22.0/ 1.5	179	652	19	25/ 14	.26	.36/ .17	2.2	3.0/ 1.0	1.9	240	24
91/02/11	24	11.6	22.5/ 1.8	172	622	18	24/ 13	.25	.37/ .16	1.9	2.7/ .8	1.7	236	25
91/02/12	24	12.9	23.8/ 3.3	179	659	18	22/ 13	.26	.38/ .17	2.3	4.5/ 1.2	1.9	246	31
91/02/13	24	15.3	23.8/ 4.1	180	658	18	22/ 15	.33	.43/ .17	4.3	6.9/ 1.5	4.1	323	19
91/02/14	24	14.7	23.5/ 5.4	171	654	25	43/ 15	.39	.53/ .30	2.0	3.7/ .9	1.5	216	36
91/02/15	24	14.3	22.1/ 6.4	124	552	22	31/ 16	.36	.43/ .28	2.1	3.3/ 1.3	1.9	230	23
91/02/16	24	15.0	22.0/ 9.1	145	581	24	37/ 16	.39	.46/ .31	2.5	5.8/ 1.4	1.8	231	42
91/02/17	24	11.1	16.0/ 5.4	144	578	26	40/ 18	.33	.42/ .24	5.2	9.2/ 1.7	5.0	316	17
91/02/18	24	10.2	16.1/ 4.8	198	720	22	32/ 16	.26	.30/ .22	4.2	7.9/ 1.5	3.9	324	19
91/02/19	24	13.2	22.2/ 5.1	191	692	19	24/ 14	.29	.39/ .21	3.5	7.2/ 1.1	3.0	223	30
91/02/20	24	11.8	24.6/ .9	199	702	20	30/ 12	.27	.38/ .18	2.1	4.0/ 1.0	1.8	240	28
91/02/21	24	13.0	23.8/ 2.9	194	728	17	20/ 13	.25	.37/ .15	2.2	3.3/ 1.1	2.0	249	22
91/02/22	24	13.0	22.0/ 6.4	153	642	17	19/ 13	.25	.35/ .18	2.8	4.3/ 1.3	2.5	236	20
91/02/23	24	14.9	24.0/ 3.8	204	714	16	20/ 13	.27	.38/ .16	4.1	8.1/ 1.2	3.6	271	29
91/02/24	24	15.3	21.7/ 10.8	210	734	16	18/ 13	.28	.34/ .23	6.2	9.2/ 2.8	5.9	324	16
91/02/25	24	11.6	20.9/ 1.8	214	742	17	21/ 14	.24	.34/ .15	2.0	2.8/ 1.2	1.5	193	37
91/02/26	24	10.2	20.9/ .1	211	742	18	21/ 14	.23	.34/ .13	2.2	3.1/ 1.0	2.0	248	23
91/02/27	24	9.9	17.6/ 2.8	81	374	35	95/ 15	.42	1.04/ .15	3.5	7.9/ 1.8	3.3	215	18
91/02/28	24	9.3	12.5/ 6.7	76	384	86	95/ 67	1.01	1.11/ .88	4.2	5.8/ 3.2	4.1	138	14

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Magnitude (meters per second)	°az	Std. dev.
91/03/01	24	10.1	15.7	6.9	154	711	75	95/44	0.91	1.04/0.75	4.2	7.6/1.4	3.9	149	23				
91/03/02	24	9.0	16.0	2.0	219	755	69	93/42	.76	.84/.66	2.4	3.7/1.4	2.2	226	24				
91/03/03	24	11.7	19.6	3.4	187	749	61	91/37	.80	.87/.71	2.9	5.2/1.6	2.7	194	22				
91/03/04	24	14.6	19.1	10.3	115	507	59	69/47	.99	1.13/.78	3.8	6.2/1.2	3.5	134	24				
91/03/05	24	13.4	18.2	7.8	197	788	30	56/19	.46	.85/.23	4.1	9.2/1.3	3.7	236	29				
91/03/06	24	8.8	14.3	3.1	232	786	23	34/17	.25	.28/.22	5.1	9.3/1.4	4.8	301	20				
91/03/07	24	8.9	15.0	4.2	237	798	22	27/16	.24	.28/.22	4.5	7.6/2.1	4.4	321	16				
91/03/08	24	9.4	19.1	-3	237	797	27	47/15	.29	.32/.22	2.7	6.6/1.6	2.3	290	26				
91/03/09	24	10.6	18.2	.6	174	589	25	45/15	.29	.32/.24	3.1	6.3/1.2	3.0	203	18				
91/03/10	24	13.1	19.3	5.4	236	812	21	35/15	.31	.41/.24	4.2	8.3/1.6	3.9	172	21				
91/03/11	24	9.2	13.9	4.5	240	819	24	48/16	.27	.40/.19	4.9	9.4/1.8	4.6	316	20				
91/03/12	24	7.9	15.6	-3	233	811	22	32/16	.23	.28/.17	2.0	3.2/.9	1.7	191	31				
91/03/13	24	8.1	16.3	1.2	184	820	39	86/22	.40	.71/.22	4.2	6.8/2.2	3.9	194	22				
91/03/14	24	8.4	13.9	3.5	181	742	48	78/31	.51	.64/.40	4.5	7.4/2.1	4.4	233	16				
91/03/15	24	5.2	6.5	2.9	104	341	41	50/32	.36	.43/.30	4.7	9.1/1.7	4.5	180	16				
91/03/16	24	6.4	13.5	-2.1	251	830	51	89/29	.45	.52/.37	2.6	4.5/.9	2.3	150	28				
91/03/17	24	9.7	14.6	2.0	213	781	28	52/17	.32	.44/.25	4.5	7.0/1.3	4.3	139	17				
91/03/18	24	13.6	18.7	8.5	234	824	21	29/15	.31	.35/.26	5.5	8.5/3.2	5.4	142	14				
91/03/19	24	8.6	12.3	5.5	99	527	61	93/19	.65	.95/.27	4.3	7.7/1.6	4.0	125	20				
91/03/20	24	4.0	6.1	1.8	46	175	84	95/62	.68	.77/.56	3.7	6.2/2.0	3.5	142	17				
91/03/21	24	4.7	10.3	1.7	161	786	85	95/61	.72	.79/.65	2.1	3.7/.7	1.9	226	27				
91/03/22	24	7.3	13.7	-1	254	844	69	95/45	.68	.78/.58	1.9	3.1/1.2	1.7	193	27				
91/03/23	24	10.4	15.9	5.3	248	916	48	70/26	.58	.64/.46	3.9	6.2/1.3	3.7	145	17				
91/03/24	24	11.9	18.2	5.1	265	885	38	64/18	.50	.66/.36	4.2	7.4/1.3	4.0	143	19				
91/03/25	24	9.1	13.2	4.8	181	841	38	52/21	.43	.55/.30	4.7	8.2/2.1	4.4	177	20				
91/03/26	24	7.4	12.7	1.1	221	819	50	94/22	.48	.77/.32	3.5	6.7/1.4	3.2	167	27				
91/03/27	24	4.4	8.7	2.1	98	397	89	95/65	.74	.78/.67	3.0	5.6/1.0	2.8	214	24				
91/03/28	24	9.3	16.6	1.4	278	889	53	94/27	.57	.70/.50	3.1	5.2/1.3	2.8	248	26				
91/03/29	24	12.6	20.1	3.2	274	881	41	90/17	.50	.71/.36	4.6	7.2/1.8	4.4	333	17				
91/03/30	24	12.5	19.9	3.2	280	890	37	72/15	.48	.77/.34	1.9	5.6/.7	1.5	219	36				
91/03/31	24	13.9	21.5	4.0	278	898	35	72/14	.46	.65/.35	2.8	6.1/1.2	2.6	202	20				

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
91/04/01	24	13.9	19.4/ 9.5	239	842	38	57/ 20	0.58	0.70/ 0.43	2.8	5.9/ 1.1	2.5	259	29
91/04/02	24	14.2	21.5/ 5.6	281	894	43	76/ 17	.62	.78/ .44	2.3	4.9/ .6	2.0	230	33
91/04/03	24	17.4	25.5/ 10.8	287	908	19	31/ 12	.35	.43/ .31	4.3	8.0/ 1.5	4.0	312	23
91/04/04	24	18.5	27.7/ 7.6	268	894	23	47/ 11	.42	.52/ .32	2.0	3.4/ 1.1	1.8	228	28
91/04/05	24	19.1	28.3/ 10.4	203	623	23	37/ 11	.46	.56/ .41	2.2	3.0/ 1.3	1.9	251	25
91/04/06	24	20.0	28.6/ 10.6	253	888	23	45/ 11	.46	.58/ .37	2.9	5.3/ 1.2	2.6	216	26
91/04/07	24	17.6	23.6/ 12.0	298	935	15	20/ 13	.31	.37/ .25	4.8	7.8/ 1.7	4.4	264	23
91/04/08	24	15.3	21.7/ 9.4	301	935	16	18/ 13	.28	.34/ .21	5.1	8.2/ 2.2	4.9	324	15
91/04/09	24	17.2	24.9/ 6.2	298	931	15	20/ 12	.30	.38/ .19	2.8	7.4/ .9	2.4	250	33
91/04/10	24	12.8	17.1/ 6.6	302	935	17	19/ 15	.25	.29/ .19	8.0	11.7/ 1.6	7.7	333	15
91/04/11	24	8.8	13.6/ 2.9	290	971	19	21/ 16	.21	.25/ .16	7.8	11.1/ 3.7	7.6	337	13
91/04/12	24	11.6	16.8/ 5.9	224	896	24	38/ 16	.31	.41/ .22	4.9	6.6/ 1.7	4.6	292	20
91/04/13	24	13.5	21.3/ 6.5	307	939	27	47/ 14	.39	.51/ .30	4.3	6.9/ 1.2	4.0	296	21
91/04/14	24	15.5	23.5/ 4.6	291	926	21	34/ 13	.34	.40/ .29	3.6	6.7/ 1.1	3.3	202	21
91/04/15	24	16.9	24.2/ 11.7	305	941	21	36/ 13	.38	.51/ .25	4.7	6.4/ 3.4	4.5	143	17
91/04/16	24	14.1	20.1/ 5.6	312	950	17	22/ 14	.28	.34/ .20	2.5	3.9/ 1.3	2.0	199	36
91/04/17	24	13.5	19.8/ 5.9	312	952	18	25/ 14	.28	.34/ .21	2.5	4.3/ 1.3	2.1	247	33
91/04/18	24	15.4	21.6/ 7.2	313	968	17	22/ 13	.29	.35/ .22	2.4	4.6/ .9	1.9	200	35
91/04/19	24	16.4	24.1/ 6.6	257	851	17	24/ 13	.31	.38/ .23	3.0	4.7/ 1.2	2.7	218	23
91/04/20	24	16.5	23.0/ 9.7	240	1,024	17	22/ 13	.31	.37/ .26	3.9	7.0/ .8	3.6	171	23
91/04/21	24	15.7	22.6/ 6.2	296	922	23	44/ 14	.38	.53/ .29	2.7	4.3/ 1.1	2.2	269	31
91/04/22	24	15.4	21.8/ 8.4	231	787	22	32/ 15	.36	.43/ .29	2.6	5.5/ .8	2.0	254	37
91/04/23	24	17.6	24.2/ 10.2	316	950	22	35/ 13	.42	.50/ .35	2.9	4.6/ 1.2	2.5	258	31
91/04/24	24	17.9	23.6/ 12.1	281	946	22	33/ 15	.45	.55/ .36	4.1	5.5/ 1.1	3.8	147	20
91/04/25	24	15.3	20.9/ 11.0	277	870	22	36/ 14	.37	.51/ .27	4.3	6.8/ 2.0	3.9	214	24
91/04/26	24	15.2	21.4/ 9.2	304	957	19	26/ 15	.33	.38/ .28	5.0	7.6/ 3.1	4.7	301	20
91/04/27	24	15.4	20.2/ 11.1	325	943	17	21/ 14	.29	.33/ .24	7.0	10.4/ 3.8	6.8	329	14
91/04/28	24	16.8	24.0/ 8.4	331	983	15	19/ 12	.29	.37/ .21	4.5	7.5/ 1.8	4.2	287	20
91/04/29	24	18.7	26.7/ 7.2	327	969	15	20/ 12	.32	.41/ .20	4.0	8.4/ 1.5	3.4	309	31
91/04/30	24	17.0	24.2/ 6.1	319	986	15	19/ 12	.29	.37/ .18	2.7	5.3/ .9	2.2	169	35

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	Direction	
91/05/01	24	15.5	21.6/ 7.1	333	1,003	21	59/ 13	0.33	0.60/ 0.27	6.1	9.7/ 2.6	5.9	217	17
91/05/02	24	12.3	19.0/ 5.8	302	972	45	85/ 17	.57	.79/ .37	3.3	6.8/ 1.4	2.9	167	30
91/05/03	24	13.6	20.1/ 5.1	259	931	41	91/ 17	.56	.83/ .33	3.1	5.5/ 1.0	2.7	277	28
91/05/04	24	16.9	24.9/ 8.9	338	988	18	28/ 12	.33	.39/ .26	3.3	5.7/ 1.3	3.0	292	24
91/05/05	24	18.9	27.9/ 6.2	302	876	17	32/ 11	.35	.42/ .25	2.1	3.3/ .7	1.8	219	29
91/05/06	24	22.3	29.9/ 12.1	295	968	14	19/ 11	.37	.45/ .27	3.4	5.6/ 1.1	3.0	269	26
91/05/07	24	24.5	31.6/ 16.0	312	873	13	18/ 10	.40	.47/ .32	2.9	5.2/ 1.7	2.4	215	32
91/05/08	24	25.7	32.0/ 19.6	319	998	13	16/ 10	.41	.48/ .33	4.5	8.1/ 2.7	4.1	173	22
91/05/09	24	14.1	18.5/ 8.8	279	990	18	25/ 15	.29	.34/ .26	5.8	10.8/ 2.2	5.4	261	21
91/05/10	24	13.3	18.9/ 8.2	273	880	19	25/ 14	.28	.32/ .24	4.7	7.2/ 2.6	4.4	315	18
91/05/11	24	14.4	21.2/ 4.4	326	1,041	18	28/ 14	.29	.30/ .22	2.6	4.0/ 1.4	2.2	214	29
91/05/12	24	16.7	25.1/ 6.4	338	962	17	23/ 12	.31	.39/ .22	2.3	3.0/ 1.4	1.9	224	29
91/05/13	24	19.2	28.4/ 10.9	259	912	18	49/ 11	.39	.69/ .25	5.0	10.1/ 2.1	4.8	247	17
91/05/14	24	17.8	24.1/ 11.0	282	967	27	58/ 14	.50	.76/ .35	6.3	9.2/ 2.9	6.1	327	15
91/05/15	24	20.1	28.4/ 12.6	347	990	17	27/ 11	.39	.44/ .26	3.6	5.7/ 1.6	3.3	262	25
91/05/16	24	22.2	31.1/ 9.2	344	989	15	24/ 10	.38	.45/ .26	3.5	6.6/ 1.1	3.2	210	24
91/05/17	24	19.4	25.3/ 12.4	347	1,001	16	21/ 12	.35	.40/ .27	5.0	9.7/ 1.7	4.6	215	24
91/05/18	24	14.6	20.7/ 7.3	341	972	29	60/ 14	.43	.65/ .29	4.9	8.8/ 1.7	4.4	208	24
91/05/19	24	15.5	21.9/ 8.3	322	985	27	46/ 15	.44	.57/ .30	4.3	9.2/ .9	3.9	270	25
91/05/20	24	18.3	26.4/ 6.3	343	992	20	34/ 12	.38	.47/ .29	3.8	7.6/ .7	3.6	217	20
91/05/21	24	17.2	22.2/ 12.9	278	1,003	32	58/ 19	.61	.87/ .47	5.3	7.9/ 3.5	5.1	318	17
91/05/22	24	20.0	26.4/ 14.8	253	987	26	38/ 14	.58	.68/ .50	4.5	7.1/ 2.3	4.1	272	25
91/05/23	24	23.0	31.6/ 10.8	346	993	23	50/ 10	.54	.81/ .34	2.3	4.3/ .9	1.8	235	36
91/05/24	24	25.8	33.7/ 13.9	329	953	14	24/ 9	.44	.50/ .33	2.7	5.3/ 1.2	2.4	212	29
91/05/25	24	27.1	33.2/ 20.5	343	975	13	20/ 9	.47	.55/ .39	3.2	6.2/ 1.0	2.7	189	31
91/05/26	24	24.8	31.6/ 16.4	356	1,000	12	16/ 10	.38	.45/ .30	3.0	5.2/ 1.7	2.5	222	31
91/05/27	24	22.3	28.3/ 16.7	342	995	13	15/ 11	.36	.42/ .29	4.5	7.4/ 2.2	4.1	304	23
91/05/28	24	23.3	29.8/ 16.8	356	1,000	13	15/ 10	.36	.43/ .29	3.0	5.6/ 1.2	2.4	198	34
91/05/29	24	22.5	30.4/ 11.3	326	994	13	18/ 10	.35	.44/ .23	2.9	4.5/ 1.6	2.6	212	24
91/05/30	24	19.5	27.4/ 13.3	287	996	15	18/ 12	.34	.43/ .28	6.7	11.1/ 3.6	6.3	193	17
91/05/31	24	19.5	25.0/ 13.2	279	932	15	21/ 13	.35	.46/ .28	8.4	11.7/ 4.2	8.2	315	15

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max	Max	Mean	Max/min	Max	Mean	Max/min	Max	Mean	Max/min	Max	Magnitude (meters per second)	°az	Std. dev.
91/06/01	24	19.6	24.9/15.1	201	778	32	78/18	0.71	1.34/0.52	3.8	7.5/1.8	3.5	118	22					
91/06/02	24	21.7	30.0/11.3	341	968	45	92/15	.98	1.38/.62	2.7	5.4/.6	2.4	194	25					
91/06/03	24	25.8	33.9/15.0	346	974	21	43/10	.60	.89/.38	2.7	4.7/1.5	2.4	208	26					
91/06/04	24	27.1	34.0/16.1	344	939	14	25/9	.47	.59/.37	3.9	6.2/1.1	3.5	179	25					
91/06/05	24	26.0	32.2/18.7	350	987	13	19/10	.43	.48/.36	3.8	6.1/2.1	3.4	211	25					
91/06/06	24	26.0	32.4/19.6	358	994	13	17/9	.42	.46/.37	3.8	5.4/2.0	3.5	150	20					
91/06/07	24	25.6	33.8/13.8	362	1,005	12	17/9	.39	.47/.27	2.4	3.9/1.3	1.9	201	33					
91/06/08	24	25.6	34.9/15.3	329	1,006	11	17/7	.38	.47/.27	2.6	3.7/1.3	2.2	248	27					
91/06/09	24	28.3	37.1/14.6	355	996	10	18/6	.39	.48/.27	2.3	4.1/1.1	1.9	241	33					
91/06/10	24	29.8	38.8/16.8	359	995	10	17/6	.40	.48/.29	2.4	5.1/.9	1.9	259	33					
91/06/11	24	30.4	38.6/18.7	340	963	12	17/7	.42	.49/.31	3.8	6.5/2.0	3.5	197	23					
91/06/12	24	31.1	38.1/25.1	348	971	14	21/8	.46	.57/.40	4.5	5.8/3.6	4.2	151	18					
91/06/13	24	28.7	35.3/22.2	355	984	16	28/8	.43	.48/.38	3.8	5.5/2.3	3.5	153	20					
91/06/14	24	26.9	33.2/20.0	358	994	12	15/9	.41	.47/.33	3.1	5.2/1.6	2.7	146	27					
91/06/15	24	26.5	34.4/15.8	352	986	13	18/9	.40	.50/.28	2.8	4.5/1.0	2.5	196	25					
91/06/16	24	27.6	35.9/16.7	336	1,000	12	22/7	.41	.47/.29	3.4	4.8/1.6	3.1	167	21					
91/06/17	24	29.3	37.0/17.9	315	892	9	16/5	.40	.48/.30	2.3	3.8/.9	1.9	182	32					
91/06/18	24	29.9	36.3/25.2	272	853	9	14/5	.41	.47/.28	4.7	8.2/1.8	4.5	146	16					
91/06/19	24	26.9	33.4/20.7	363	999	12	14/9	.41	.46/.35	3.9	4.9/2.7	3.6	147	21					
91/06/20	24	25.0	32.2/11.9	355	1,000	12	17/9	.38	.45/.23	2.7	4.3/1.3	2.2	190	33					
91/06/21	24	24.6	31.5/14.0	345	991	12	16/10	.38	.45/.26	3.1	4.3/1.2	2.7	163	28					
91/06/22	24	25.3	33.1/12.8	364	1,006	12	17/9	.38	.46/.24	2.9	4.1/1.5	2.5	178	27					
91/06/23	24	25.5	33.4/14.3	369	1,012	12	16/9	.39	.46/.26	3.9	6.2/1.4	3.6	169	21					
91/06/24	24	24.2	30.5/17.3	362	996	13	16/10	.38	.44/.31	3.9	6.1/2.3	3.5	141	23					
91/06/25	24	22.8	29.4/11.9	352	989	13	17/11	.37	.43/.24	2.6	4.4/1.5	2.2	174	31					
91/06/26	24	24.2	29.2/17.7	296	917	13	16/11	.39	.44/.32	3.0	5.0/1.6	2.5	175	29					
91/06/27	24	22.9	26.4/18.9	247	857	14	21/12	.39	.46/.35	5.7	8.1/2.8	5.5	134	14					
91/06/28	24	22.9	28.6/17.1	353	965	20	34/12	.54	.71/.44	5.3	7.8/1.5	5.0	148	19					
91/06/29	24	23.0	29.3/16.6	356	1,010	21	37/12	.55	.76/.38	2.9	4.6/1.5	2.5	187	29					
91/06/30	24	28.0	35.4/19.4	358	988	16	25/10	.44	.58/.34	3.1	5.0/1.5	2.4	268	37					

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	Direction	
													°az	Std. dev.
91/07/01	24	31.7	39.7/ 22.7	359	992	10	14/ 7	0.45	0.50/ 0.37	2.8	5.6/ 1.3	2.1	234	39
91/07/02	24	32.7	42.1/ 20.9	357	992	11	18/ 7	.46	.58/ .34	2.5	4.6/ 1.0	1.8	248	44
91/07/03	24	35.0	43.2/ 26.3	357	990	10	15/ 6	.47	.54/ .40	3.2	6.3/ 1.5	2.7	273	32
91/07/04	24	35.0	43.6/ 22.7	358	992	9	15/ 6	.44	.49/ .35	2.3	4.6/ 1.2	1.6	230	42
91/07/05	24	35.5	43.7/ 23.5	351	973	14	24/ 7	.49	.70/ .37	3.8	6.2/ 2.0	3.4	172	26
91/07/06	24	34.2	39.5/ 28.6	284	889	23	33/ 13	.61	.93/ .49	3.8	5.5/ 1.6	3.4	145	23
91/07/07	24	28.8	34.7/ 22.4	142	569	32	81/ 10	1.06	2.22/ .50	3.2	6.6/ .8	2.8	180	29
91/07/08	24	25.5	31.1/ 21.1	263	949	58	83/ 26	1.76	2.12/ 1.15	3.0	6.5/ 1.1	2.5	240	31
91/07/09	24	27.7	34.9/ 18.7	334	944	41	85/ 11	1.27	2.08/ .45	2.6	4.6/ 1.2	2.2	207	28
91/07/10	24	28.6	36.2/ 19.0	351	984	19	45/ 8	.52	.78/ .40	2.9	4.5/ 1.6	2.6	175	25
91/07/11	24	29.4	37.6/ 19.9	320	972	17	32/ 9	.55	.86/ .39	5.1	1.0/ 2.3	2.3	207	26
91/07/12	24	30.7	38.7/ 19.8	348	973	16	33/ 10	.65	.82/ .57	2.4	4.4/ 1.3	2.0	231	32
91/07/13	24	31.9	40.1/ 21.0	345	969	14	27/ 9	.63	.76/ .48	3.2	5.8/ 1.1	2.8	211	26
91/07/14	24	31.8	38.7/ 24.5	350	980	13	21/ 7	.58	.73/ .50	4.0	5.6/ 1.5	3.8	160	17
91/07/15	24	30.8	37.6/ 21.2	351	978	12	23/ 7	.49	.61/ .35	4.5	7.6/ 1.8	4.1	174	22
91/07/16	24	29.1	36.7/ 18.7	346	1,007	12	19/ 7	.47	.56/ .33	3.1	5.5/ 1.1	2.8	179	24
91/07/17	24	30.1	38.2/ 18.8	344	984	17	28/ 11	.68	.77/ .55	3.1	6.3/ 1.1	2.8	242	24
91/07/18	24	30.4	37.6/ 20.6	281	919	16	28/ 9	.67	.83/ .41	3.7	6.4/ 1.6	3.4	208	22
91/07/19	24	29.1	34.7/ 23.0	338	963	19	29/ 11	.72	.89/ .54	4.0	6.7/ 1.4	3.6	149	26
91/07/20	24	27.1	33.5/ 19.8	345	978	16	29/ 8	.54	.70/ .37	3.0	4.9/ .9	2.5	173	34
91/07/21	24	27.4	35.3/ 17.1	346	979	15	23/ 8	.51	.64/ .40	2.5	3.6/ 1.2	2.0	246	31
91/07/22	24	28.7	36.6/ 18.6	326	968	12	19/ 7	.44	.52/ .39	2.7	5.3/ 1.1	2.4	251	27
91/07/23	24	29.7	37.6/ 19.7	346	979	12	17/ 7	.47	.61/ .36	2.8	5.0/ 1.0	2.5	201	27
91/07/24	24	30.0	37.8/ 20.0	338	961	14	18/ 9	.57	.81/ .39	2.7	4.1/ 1.1	2.3	214	30
91/07/25	24	30.0	37.3/ 20.8	333	953	16	26/ 10	.64	.81/ .48	2.7	4.1/ 1.4	2.3	208	28
91/07/26	24	30.3	37.9/ 20.1	335	960	14	21/ 10	.59	.71/ .45	2.7	4.3/ 1.2	2.2	192	28
91/07/27	24	30.8	38.9/ 20.2	337	964	12	19/ 9	.53	.64/ .43	2.8	4.8/ 1.6	2.6	245	24
91/07/28	24	31.8	40.9/ 20.3	335	959	12	19/ 8	.54	.66/ .40	2.6	4.2/ 1.1	2.3	248	26
91/07/29	24	33.8	41.8/ 21.8	330	949	13	24/ 8	.64	.70/ .55	2.6	5.0/ 1.3	2.2	205	29
91/07/30	24	33.1	39.6/ 25.5	309	902	25	60/ 13	1.15	1.96/ .78	4.5	6.3/ 2.0	4.0	157	22
91/07/31	24	27.6	33.1/ 21.6	306	987	47	77/ 30	1.67	1.99/ 1.43	3.0	5.0/ 1.2	2.4	225	35

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	Direction	
													°az	Std. dev.
91/08/01	24	29.7	36.0/ 23.2	319	982	38	60/ 22	1.51	1.71/ 1.29	3.0	7.7/ 1.3	2.6	216	29
91/08/02	24	31.5	37.1/ 23.9	339	970	28	44/ 16	1.25	1.42/ .97	3.2	5.9/ .7	2.8	194	31
91/08/03	24	30.4	37.4/ 21.5	347	1,013	21	46/ 8	.82	1.28/ .51	2.8	4.8/ 1.2	2.2	200	35
91/08/04	24	28.9	36.0/ 19.3	356	1,016	11	23/ 4	.41	.58/ .20	3.4	7.8/ 1.0	3.0	199	32
91/08/05	24	26.2	34.5/ 15.7	345	1,014	11	15/ 8	.39	.61/ .23	2.9	4.6/ 1.3	2.5	222	27
91/08/06	24	26.4	33.9/ 16.5	354	1,021	13	16/ 10	.45	.59/ .28	3.6	6.5/ 1.4	3.4	191	22
91/08/07	24	26.4	35.1/ 16.6	350	1,031	14	23/ 7	.45	.57/ .33	2.9	5.1/ 1.3	2.6	231	25
91/08/08	24	28.2	37.3/ 18.0	353	1,020	11	18/ 7	.41	.49/ .34	2.3	3.3/ 1.1	1.9	243	30
91/08/09	24	30.0	39.1/ 16.4	351	1,017	11	18/ 6	.45	.57/ .33	2.7	4.8/ 1.1	2.4	205	24
91/08/10	24	30.4	38.5/ 21.3	305	1,014	25	44/ 14	1.05	1.62/ .51	4.3	7.4/ 1.9	3.9	173	20
91/08/11	24	27.8	33.0/ 22.4	224	887	40	53/ 28	1.44	1.66/ 1.30	3.4	7.6/ 1.1	3.1	151	24
91/08/12	24	26.9	34.1/ 20.6	258	855	51	83/ 27	1.72	2.10/ 1.46	2.9	5.4/ 1.1	2.4	172	29
91/08/13	24	27.9	35.2/ 19.8	274	795	43	80/ 22	1.48	1.95/ 1.19	2.1	3.5/ 1.0	1.7	237	30
91/08/14	24	30.6	36.9/ 23.7	301	1,004	28	45/ 14	1.16	1.43/ .81	3.6	6.8/ .9	3.3	214	21
91/08/15	24	28.3	34.5/ 20.7	328	980	32	49/ 20	1.18	1.38/ .94	2.8	4.7/ 1.3	2.5	162	26
91/08/16	24	28.7	35.6/ 19.4	327	977	25	45/ 13	.91	1.23/ .62	2.5	3.7/ 1.2	2.1	217	30
91/08/17	24	29.2	36.7/ 21.5	290	969	19	27/ 12	.72	1.01/ .56	2.2	3.8/ 1.1	1.8	242	33
91/08/18	24	29.0	37.7/ 19.7	321	956	18	29/ 10	.69	.94/ .50	2.7	5.4/ 1.2	2.4	225	27
91/08/19	24	29.4	37.1/ 19.9	334	965	15	25/ 10	.60	.77/ .46	2.6	4.9/ 1.2	2.2	245	29
91/08/20	24	28.3	37.1/ 19.9	293	965	16	25/ 10	.59	.78/ .46	2.6	4.9/ 1.2	2.3	256	27
91/08/21	24	28.5	37.4/ 18.9	326	971	15	22/ 10	.55	.65/ .48	2.7	4.3/ 1.4	2.4	249	23
91/08/22	24	29.5	38.5/ 19.5	322	959	14	23/ 8	.53	.64/ .45	2.6	4.6/ .9	2.3	248	22
91/08/23	24	31.4	39.5/ 20.1	312	945	17	28/ 11	.74	.85/ .51	2.3	4.0/ .9	2.0	222	26
91/08/24	24	32.9	40.0/ 22.6	308	937	19	32/ 12	.93	1.06/ .81	3.2	4.5/ 1.4	2.9	189	22
91/08/25	24	34.0	40.1/ 27.7	307	942	21	33/ 13	1.06	1.22/ .94	3.7	5.6/ 1.9	3.5	165	18
91/08/26	24	32.6	38.7/ 27.2	307	925	25	40/ 14	1.16	1.46/ .93	5.3	7.3/ 2.6	5.0	158	17
91/08/27	24	29.7	34.5/ 24.6	257	884	23	42/ 13	.92	1.34/ .40	4.4	7.6/ 1.1	4.1	159	19
91/08/28	24	26.1	33.5/ 13.9	327	1,039	11	25/ 3	.37	.74/ .15	4.8	10.1/ 1.1	4.6	186	20
91/08/29	24	23.6	32.3/ 13.0	323	976	11	19/ 6	.30	.37/ .24	2.3	3.5/ 1.0	1.9	224	29
91/08/30	24	26.5	35.7/ 15.2	316	966	9	14/ 6	.32	.41/ .24	2.4	3.4/ 1.2	2.1	239	27
91/08/31	24	29.2	37.4/ 17.6	311	955	12	23/ 7	.46	.75/ .25	2.6	3.9/ 1.4	2.3	225	27

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	°az	Std. dev.
91/09/01	24	28.4	35.7/19.6	273	923	27	47/16	1.00	1.27/0.69	4.1	8.9/1.4	3.9	199	21
91/09/02	24	28.0	36.4/18.3	297	913	26	50/12	.91	1.21/.67	2.2	3.8/1.3	1.9	252	29
91/09/03	24	30.4	37.6/20.5	293	922	22	34/13	.93	1.14/.77	2.7	4.8/1.2	2.3	229	26
91/09/04	24	31.1	38.3/22.2	273	903	24	40/14	1.03	1.25/.83	4.1	10.9/1.4	3.7	245	26
91/09/05	24	31.3	38.8/21.4	273	911	20	38/11	.86	1.04/.77	3.2	7.0/1.1	2.5	218	39
91/09/06	24	24.2	28.5/19.1	125	592	52	91/25	1.51	2.03/.83	3.5	5.9/.9	3.2	194	25
91/09/07	24	21.8	26.5/17.0	143	617	68	88/46	1.75	1.97/1.41	2.4	3.5/.8	2.2	206	21
91/09/08	24	23.4	30.0/15.1	212	850	50	83/26	1.34	1.49/1.10	2.4	5.2/1.0	2.0	279	30
91/09/09	24	25.4	32.7/15.8	239	879	32	70/16	.93	1.30/.50	3.0	5.4/1.1	2.7	184	20
91/09/10	24	24.2	30.6/15.2	280	917	23	46/13	.66	0.83/.51	5.7	9.5/2.2	5.4	180	19
91/09/11	24	20.6	26.5/12.0	283	900	30	55/17	.69	0.88/.49	2.7	6.9/.9	2.2	213	38
91/09/12	24	23.4	29.4/17.3	281	893	28	46/15	.77	0.93/.60	4.3	7.1/2.7	4.1	284	19
91/09/13	24	23.5	30.9/15.7	272	889	22	39/13	.61	0.75/.47	2.5	4.1/1.0	2.1	245	32
91/09/14	24	24.3	32.6/16.5	277	887	20	32/12	.56	0.63/.48	2.5	4.7/1.4	2.0	257	32
91/09/15	24	25.7	33.3/15.9	270	875	18	31/12	.58	0.66/.40	2.5	4.2/1.5	2.1	247	32
91/09/16	24	24.9	33.7/14.1	278	893	12	20/8	.37	0.45/.24	2.2	4.9/1.4	1.7	248	39
91/09/17	24	24.3	34.3/13.0	285	912	10	17/6	.27	0.31/.23	2.0	3.1/.9	1.6	254	34
91/09/18	24	25.7	36.2/14.0	280	896	11	18/7	.35	0.45/.27	2.1	3.9/1.1	1.7	257	33
91/09/19	24	27.0	37.2/14.1	277	890	12	21/7	.40	0.55/.27	2.2	4.2/1.1	1.7	263	37
91/09/20	24	27.5	35.5/16.9	268	868	20	44/11	.70	1.36/.41	2.7	4.9/1.2	2.3	187	29
91/09/21	24	28.1	34.5/19.9	260	836	31	48/16	1.12	1.38/.86	2.9	4.3/1.1	2.7	178	22
91/09/22	24	27.6	34.5/18.6	250	824	28	49/15	.97	1.16/.76	2.5	3.5/1.4	2.0	190	29
91/09/23	24	27.5	34.6/18.5	252	827	27	44/13	.93	1.24/.71	2.3	3.8/1.1	1.9	211	33
91/09/24	24	26.8	35.6/16.9	254	842	20	45/10	.65	1.12/.38	2.7	4.8/1.3	2.3	290	28
91/09/25	24	25.6	35.8/15.7	261	855	11	20/7	.35	0.41/.28	2.0	2.5/1.3	1.6	259	33
91/09/26	24	26.8	35.8/15.3	256	845	15	28/9	.51	0.73/.30	2.1	3.2/.8	1.7	258	31
91/09/27	24	27.4	35.0/18.2	230	814	23	39/12	.80	1.07/.60	3.0	6.6/1.1	2.6	211	28
91/09/28	24	26.4	31.6/21.0	216	851	31	54/20	1.02	1.39/.88	3.3	5.1/1.6	2.8	200	27
91/09/29	24	23.1	29.5/16.9	178	777	44	75/23	1.18	1.62/.94	2.3	3.2/1.0	1.9	205	32
91/09/30	24	23.6	32.2/14.8	204	785	34	57/17	.90	1.08/.75	1.9	3.3/1.1	1.6	231	30

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)		Solar radiation (watts per square meter)		Relative humidity (percent)		Vapor pressure (kilopascals)		Windspeed (meters per second)		Wind vector		
		Mean	Max/min	Mean	Max	Mean	Max/min	Mean	Max/min	Mean	Max/min	Magnitude (meters per second)	Direction	
													°az	Std. dev.
91/10/01	24	25.3	33.8/16.3	241	804	24	44/13	0.72	0.90/0.54	2.4	4.0/1.1	1.9	287	34
91/10/02	24	26.4	35.0/15.2	245	823	15	33/7	.49	.70/ .34	3.6	6.7/ 1.2	3.3	286	22
91/10/03	24	25.8	34.5/17.5	245	829	12	18/ 8	.39	.49/ .31	2.9	4.7/ 1.0	2.6	278	27
91/10/04	24	27.4	35.6/20.1	246	831	11	16/ 6	.37	.42/ .32	3.8	7.0/ 1.4	3.5	269	22
91/10/05	24	25.3	34.4/ 14.7	245	825	9	14/ 5	.29	.37/ .18	2.7	5.4/ 1.7	2.3	297	30
91/10/06	24	24.0	34.3/12.9	236	803	11	20/ 6	.33	.49/ .19	2.2	3.2/ 1.1	2.0	245	22
91/10/07	24	24.4	34.6/16.0	227	776	15	22/10	.45	.56/ .35	2.4	4.0/ .9	2.1	244	24
91/10/08	24	23.7	33.6/14.8	228	764	17	26/10	.48	.57/ .38	2.6	3.8/ 1.1	2.4	254	22
91/10/09	24	23.0	31.4/13.9	195	801	18	31/ 11	.47	.57/ .37	2.3	3.6/ 1.0	2.0	262	25
91/10/10	24	24.8	33.5/17.3	225	781	14	21/ 8	.42	.51/ .35	2.4	4.0/ 1.0	1.9	234	32
91/10/11	24	24.9	34.9/15.6	191	730	13	20/ 8	.40	.46/ .35	2.2	3.1/ .9	1.9	224	27
91/10/12	24	26.6	33.9/15.8	203	740	13	19/ 8	.42	.50/ .34	2.3	4.1/ 1.1	1.9	228	35
91/10/13	24	24.9	32.1/14.9	204	769	17	28/ 11	.52	.58/ .46	2.4	3.6/ 1.6	1.8	243	35
91/10/14	24	24.0	33.4/14.6	216	753	17	31/ 11	.48	.58/ .33	2.1	3.5/ 1.1	1.7	253	35
91/10/15	24	24.5	34.9/16.4	221	773	11	17/ 7	.33	.39/ .26	2.4	5.2/ 1.0	2.1	230	33
91/10/16	24	22.9	34.1/12.7	223	770	12	18/ 7	.32	.41/ .26	2.3	3.1/ 1.3	2.0	230	26
91/10/17	24	22.7	32.9/12.8	219	769	14	22/ 8	.36	.42/ .28	2.4	2.9/ .9	2.1	256	26
91/10/18	24	22.5	32.7/12.6	205	723	16	25/10	.42	.50/ .36	2.0	3.2/ 1.0	1.7	275	29
91/10/19	24	25.2	33.5/18.5	210	740	13	18/ 9	.42	.50/ .34	2.8	4.7/ 1.7	2.2	272	35
91/10/20	24	24.9	32.5/17.6	211	745	14	20/ 9	.43	.49/ .36	4.6	7.6/ 1.3	4.3	270	22
91/10/21	24	20.8	27.7/12.7	211	756	18	27/12	.44	.52/ .37	4.4	7.8/ 1.3	4.2	312	19
91/10/22	24	19.1	27.6/10.1	206	733	24	55/12	.50	1.12/ .34	2.1	3.6/ .9	1.8	191	31
91/10/23	24	20.6	26.5/15.1	192	701	38	57/19	.87	1.10/ .67	4.0	5.0/ 2.2	3.8	150	17
91/10/24	24	16.5	20.8/ 9.7	169	687	43	63/30	.81	1.01/ .44	3.7	6.6/ 1.7	3.5	182	20
91/10/25	24	12.8	19.6/ 5.4	201	731	35	44/23	.51	.67/ .40	1.9	3.0/ .9	1.6	195	33
91/10/26	24	12.3	19.0/ 4.2	185	714	33	54/20	.45	.74/ .34	2.5	4.6/ 1.4	2.3	204	23
91/10/27	24	14.3	19.7/ 8.5	148	692	52	61/41	.85	1.08/ .60	4.9	6.7/ 2.9	4.6	203	18
91/10/28	24	9.4	14.2/ 4.6	193	735	33	62/19	.39	.60/ .24	6.4	11.4/ 2.2	6.2	338	15
91/10/29	24	6.9	13.5/ -1.4	201	734	30	48/16	.28	.32/ .24	4.9	9.5/ .9	4.6	265	20
91/10/30	24	7.9	14.1/ -9	173	723	34	49/17	.35	.47/ .25	4.6	8.9/ 1.8	4.4	282	19
91/10/31	24	7.3	11.9/ 3.3	194	715	26	38/17	.26	.33/ .23	6.9	10.1/ 3.4	6.7	331	14

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min		Mean	Max		Mean	Max/min		Mean	Max/min		Mean	Max/min		Magnitude (meters per second)	°az	Std. dev.
9/11/01	24	7.9	17.7/ 1.4		192	709		21	36/ 11		0.20	0.26/ 0.16		2.4	5.9/ 0.9		2.0	199	32
9/11/02	24	12.0	21.4/ 4.3		186	689		25	36/ 13		.33	.46/ .25		2.5	4.2/ 1.1		2.1	220	29
9/11/03	24	13.7	24.0/ 5.7		180	665		30	50/ 15		.44	.50/ .37		2.1	4.5/ 1.2		1.7	239	37
9/11/04	24	11.4	20.1/ 2.7		176	657		40	57/ 23		.51	.59/ .42		1.9	2.6/ .9		1.6	247	27
9/11/05	24	13.8	23.8/ 3.3		174	648		33	55/ 18		.49	.55/ .42		1.8	2.7/ 1.0		1.5	233	30
9/11/06	24	18.3	27.9/ 10.6		169	627		29	42/ 17		.58	.69/ .47		2.5	5.6/ 1.3		2.2	255	30
9/11/07	24	19.2	28.8/ 11.3		168	632		33	48/ 19		.69	.80/ .59		3.0	6.3/ 1.7		2.7	317	23
9/11/08	24	19.2	28.4/ 10.9		165	618		34	48/ 20		.71	.79/ .63		2.1	4.1/ 1.1		1.7	244	35
9/11/09	24	19.0	26.1/ 11.5		141	570		34	49/ 22		.72	.80/ .66		2.3	3.6/ 1.1		2.1	223	25
9/11/10	24	18.5	25.2/ 10.9		148	587		39	54/ 22		.80	.93/ .70		4.1	8.3/ 1.4		3.8	283	24
9/11/11	24	18.5	23.8/ 14.3		150	610		38	52/ 24		.80	.89/ .69		5.9	7.5/ 4.2		5.7	301	14
9/11/12	24	14.8	24.5/ 4.4		168	643		26	47/ 11		.43	.72/ .25		4.2	8.6/ 1.7		3.9	310	22
9/11/13	24	13.6	24.2/ 4.1		166	628		24	39/ 13		.35	.42/ .29		2.0	3.1/ 1.2		1.7	271	29
9/11/14	24	13.1	21.5/ 2.2		157	632		29	46/ 18		.41	.50/ .33		2.5	7.0/ 1.0		2.3	268	24
9/11/15	24	9.1	12.1/ 6.7		36	143		38	68/ 25		.43	.68/ .28		5.9	8.5/ 1.9		5.6	290	18
9/11/16	24	8.9	12.5/ 4.2		61	364		34	45/ 25		.38	.39/ .36		7.9	10.5/ 1.7		7.7	307	15
9/11/17	24	7.2	14.8/ .8		162	627		36	52/ 22		.35	.41/ .29		2.0	3.0/ 1.1		1.6	193	34
9/11/18	24	8.7	17.2/ -3		157	611		41	57/ 22		.45	.58/ .31		2.3	5.3/ 1.0		1.9	247	34
9/11/19	24	9.1	14.9/ 1.2		156	623		35	70/ 14		.37	.53/ .24		5.5	10.1/ 1.7		5.3	324	18
9/11/20	24	7.7	15.4/ 1.0		158	616		26	39/ 15		.27	.35/ .20		3.0	7.7/ 1.5		2.7	294	27
9/11/21	24	7.4	16.0/ .5		135	542		24	34/ 14		.24	.27/ .21		1.9	2.6/ 1.0		1.8	251	21
9/11/22	24	11.1	20.5/ .7		147	592		26	38/ 16		.34	.49/ .21		3.9	7.4/ 1.0		3.5	246	26
9/11/23	24	7.0	14.6/ -3.5		154	615		21	39/ 12		.22	.38/ .09		3.2	6.4/ .9		2.9	271	27
9/11/24	24	4.3	13.8/ -4.0		155	616		14	26/ 8		.11	.15/ .08		1.9	2.7/ 1.1		1.7	266	25
9/11/25	24	7.1	16.6/ -1.6		147	603		12	19/ 7		.12	.15/ .09		1.8	2.7/ 1.0		1.5	237	32
9/11/26	24	10.2	20.8/ 2.4		137	532		27	50/ 16		.32	.41/ .15		1.9	3.0/ 1.1		1.6	218	31
9/11/27	24	8.7	18.1/ 1.0		110	412		37	53/ 22		.40	.45/ .33		2.1	2.8/ 1.0		1.9	259	18
9/11/28	24	9.3	19.1/ 1.2		149	646		31	50/ 13		.34	.45/ .27		6.2	14.1/ 1.9		6.0	281	14
9/11/29	24	6.4	11.0/ 1.7		145	585		30	40/ 19		.28	.31/ .25		6.7	12.3/ 2.1		6.4	331	18
9/11/30	24	3.4	8.4/ -4.3		80	349		31	53/ 19		.24	.32/ .15		6.4	10.8/ 1.2		6.0	296	23

Table 3. Summary of meteorological data collected at study site near Beatty, Nev., in 1990 and 1991. Daily mean, maximum, and minimum values were determined from hourly measurements—Continued

Date	Number of hourly values ¹	Temperature (degrees Celsius)			Solar radiation (watts per square meter)			Relative humidity (percent)			Vapor pressure (kilopascals)			Windspeed (meters per second)			Wind vector		
		Mean	Max/min	Max	Mean	Max	Max/min	Mean	Max/min	Max	Mean	Max/min	Mean	Max/min	Max/min	Magnitude (meters per second)	°az	Std. dev.	
91/12/01	24	3.2	7.0/ 0.5	589	147	589	25	36/ 17	0.19	0.25/ 0.15	7.8	9.7/ 4.6	7.5	310	14				
91/12/02	24	4.1	9.2/ -2	546	132	546	25	35/ 16	.20	.23/ .18	5.6	10.8/ 2.4	5.3	278	19				
91/12/03	24	5.9	13.2/ -1.4	559	139	559	28	41/ 14	.25	.35/ .18	2.1	4.6/ 1.1	1.5	185	44				
91/12/04	24	6.3	15.4/ -7	575	142	575	31	45/ 17	.28	.34/ .23	2.0	2.8/ 1.2	1.7	203	27				
91/12/05	24	6.4	18.1/ -1.5	572	141	572	30	45/ 15	.27	.31/ .22	1.8	2.6/ 1.1	1.6	234	28				
91/12/06	24	6.2	19.6/ -3.4	576	143	576	26	47/ 11	.22	.28/ .17	1.9	2.6/ 1.0	1.7	240	25				
91/12/07	24	5.8	16.1/ -4.1	560	140	560	25	37/ 13	.21	.26/ .17	2.4	3.9/ 1.2	2.2	263	19				
91/12/08	24	7.0	12.7/ -9	506	75	506	43	96/ 20	.41	.83/ .22	2.4	5.8/ 0.7	2.1	266	26				
91/12/09	24	7.8	13.1/ 2.8	576	102	576	59	94/ 40	.61	.81/ .49	4.7	7.9/ 0.6	4.4	294	22				
91/12/10	24	7.2	16.2/ -4	535	129	535	52	79/ 27	.49	.51/ .48	1.8	3.5/ 1.0	1.4	203	35				
91/12/11	24	9.1	17.1/ 1.4	560	113	560	53	74/ 29	.59	.80/ .43	2.5	8.0/ 0.7	2.1	237	35				
91/12/12	24	8.8	14.0/ 2.4	542	123	542	34	43/ 24	.38	.43/ .30	6.9	10.2/ 1.3	6.7	312	14				
91/12/13	24	5.7	16.1/ -2.0	546	134	546	33	50/ 12	.27	.34/ .21	2.0	3.1/ 1.1	1.8	194	26				
91/12/14	24	7.2	19.0/ -2.3	549	134	549	25	44/ 10	.24	.32/ .17	2.2	4.4/ 1.2	1.6	272	36				
91/12/15	24	5.0	17.0/ -2.9	522	124	522	23	37/ 10	.18	.21/ .16	1.9	3.0/ 0.9	1.7	278	28				
91/12/16	24	5.1	17.6/ -3.6	521	123	521	22	36/ 9	.18	.20/ .16	1.8	2.6/ 0.8	1.6	252	25				
91/12/17	24	5.8	16.5/ -4.9	549	128	549	23	36/ 11	.20	.23/ .15	1.8	2.6/ 0.8	1.7	262	22				
91/12/18	24	9.4	16.0/ 2.6	510	118	510	30	45/ 18	.35	.45/ .24	2.0	4.0/ 0.9	1.8	231	25				
91/12/19	24	8.4	15.0/ 2.8	528	125	528	52	75/ 37	.56	.69/ .42	2.5	5.1/ 1.2	2.3	234	23				
91/12/20	24	6.1	10.5/ 2.1	596	114	596	43	87/ 34	.40	.67/ .29	8.3	11.0/ 5.0	8.1	338	12				
91/12/21	24	5.4	12.4/ -1.1	553	135	553	37	62/ 19	.31	.38/ .26	6.0	13.6/ 1.4	5.7	281	24				
91/12/22	24	5.2	15.0/ -2.1	534	130	534	50	72/ 25	.41	.46/ .32	2.0	2.9/ 0.9	1.7	210	28				
91/12/23	24	4.6	13.7/ -2.1	503	122	503	55	80/ 28	.44	.47/ .42	1.8	2.6/ 0.7	1.6	237	26				
91/12/24	24	5.5	13.2/ -2	412	96	412	55	76/ 33	.48	.52/ .44	1.7	2.5/ 0.8	1.4	261	30				
91/12/25	24	6.4	15.7/ -3	523	128	523	50	76/ 24	.44	.51/ .40	1.9	2.9/ 0.7	1.7	260	25				
91/12/26	24	5.2	15.3/ -2.2	533	129	533	48	74/ 23	.40	.45/ .35	2.0	2.9/ 1.2	1.8	244	22				
91/12/27	24	5.8	14.0/ -1.8	524	124	524	45	66/ 24	.39	.42/ .35	2.0	2.5/ 0.9	1.8	251	23				
91/12/28	24	7.0	13.8/ -1.0	525	118	525	46	64/ 27	.44	.52/ .36	2.9	5.1/ 1.1	2.8	201	18				
91/12/29	24	7.7	11.6/ 5.1	471	107	471	64	82/ 45	.67	.75/ .61	3.5	5.7/ 1.6	3.4	158	15				
91/12/30	24	6.7	9.6/ 3.4	42	42	222	67	94/ 48	.65	.76/ .58	3.7	5.8/ 1.1	3.4	148	19				
91/12/31	24	5.0	10.0/ .0	123	123	536	81	97/ 57	.69	.81/ .57	2.0	2.5/ 1.0	1.7	287	25				

¹ Numbers in italics are for days with missing hourly values.

Table 4. Summary of barometric-pressure data collected at study site near Beatty, Nev., in 1990 and 1991. All daily mean, maximum, and minimum values were determined from individual measurements made every 30 seconds and averaged and recorded at 20-minute intervals in 1990, and at 10-minute intervals in 1991

Date	Barometric pressure (kilopascals)			Date	Barometric pressure (kilopascals)		
	Mean	Maximum	Minimum		Mean	Maximum	Minimum
90/06/02	101.78	101.96	101.62	90/07/22	101.29	101.54	101.04
90/06/03	101.63	101.92	101.33	90/07/23	101.02	101.34	100.60
90/06/04	101.06	101.37	100.65	90/07/24	100.77	101.01	100.46
90/06/05	100.86	101.08	100.59	90/07/25	101.11	101.29	100.88
90/06/06	101.03	101.20	100.87	90/07/26	101.49	101.69	101.30
90/06/07	101.29	101.50	101.11	90/07/27	101.52	101.75	101.30
90/06/08	101.26	101.52	101.01	90/07/28	101.44	101.66	101.25
90/06/09	101.18	101.43	100.99	90/07/29	101.48	101.64	101.32
90/06/10	101.32	101.53	101.13	90/07/30	101.50	101.72	101.28
90/06/11	101.30	101.62	100.96	90/07/31	101.33	101.63	101.03
90/06/12	100.98	101.32	100.57	90/08/01	101.25	101.47	101.03
90/06/13	100.52	100.76	100.12	90/08/02	101.46	101.68	101.28
90/06/14	101.06	101.32	100.79	90/08/03	101.65	101.84	101.49
90/06/15	101.04	101.16	100.93	90/08/04	101.67	101.87	101.47
90/06/16	101.33	101.52	101.19	90/08/05	101.64	101.87	101.41
90/06/17	101.24	101.44	101.07	90/08/06	101.72	101.94	101.41
90/06/18	101.39	101.65	101.18	90/08/07	101.71	101.95	101.43
90/06/19	101.63	101.90	101.39	90/08/08	101.59	101.76	101.38
90/06/20	101.39	101.63	101.15	90/08/09	101.66	101.91	101.42
90/06/21	101.20	101.41	101.01	90/08/10	101.71	101.89	101.46
90/06/22	101.13	101.33	100.93	90/08/11	101.68	101.91	101.41
90/06/23	101.26	101.42	101.10	90/08/12	101.66	101.89	101.46
90/06/24	101.38	101.55	101.19	90/08/13	101.37	101.62	101.07
90/06/25	101.48	101.70	101.29	90/08/14	101.26	101.43	101.02
90/06/26	101.34	101.57	101.05	90/08/15	101.27	101.52	100.92
90/06/27	101.14	101.39	100.84	90/08/16	101.41	101.61	101.20
90/06/28	100.97	101.15	100.79	90/08/17	101.27	101.53	100.99
90/06/29	101.19	101.35	100.98	90/08/18	101.1	101.31	100.88
90/06/30	101.36	101.55	101.23	90/08/19	101.06	101.23	100.78
90/07/01	101.25	101.54	100.93	90/08/20	101.36	101.52	101.17
90/07/02	100.88	101.07	100.55	90/08/21	101.68	101.86	101.50
90/07/03	101.06	101.25	100.84	90/08/22	101.57	101.85	101.28
90/07/04	101.32	101.52	101.14	90/08/23	101.14	101.38	100.86
90/07/05	101.25	101.46	101.00	90/08/24	100.98	101.18	100.74
90/07/06	101.10	101.37	100.79	90/08/25	101.22	101.43	101.02
90/07/07	101.03	101.23	100.83	90/08/26	101.57	101.73	101.29
90/07/08	101.25	101.44	101.08	90/08/27	101.86	102.06	101.70
90/07/09	101.59	101.76	101.42	90/08/28	101.81	102.02	101.58
90/07/10	101.72	101.94	101.48	90/08/29	101.53	101.79	101.21
90/07/11	101.61	101.85	101.35	90/08/30	101.26	101.48	100.97
90/07/12	101.67	102.06	101.43	90/08/31	101.35	101.53	101.19
90/07/13	101.75	102.00	101.45	90/09/01	101.43	101.63	101.25
90/07/14	101.40	101.64	100.95	90/09/02	101.49	101.71	101.24
90/07/15	101.25	101.38	101.07	90/09/03	101.39	101.57	101.12
90/07/16	101.58	101.72	101.38	90/09/04	101.71	101.90	101.53
90/07/17	101.59	101.77	101.36	90/09/05	101.81	101.99	101.62
90/07/18	101.43	101.66	101.17	90/09/06	101.83	102.06	101.58
90/07/19	101.25	101.45	101.00	90/09/07	101.66	101.86	101.43
90/07/20	101.25	101.46	101.06	90/09/08	101.46	101.58	101.36
90/07/21	101.34	101.57	101.13	90/09/09	101.52	101.68	101.37

Table 4. Summary of barometric-pressure data collected at study site near Beatty, Nev., in 1990 and 1991

—Continued

Date	Barometric pressure (kilopascals)			Date	Barometric pressure (kilopascals)		
	Mean	Maximum	Minimum		Mean	Maximum	Minimum
90/09/10	101.54	101.74	101.38	90/10/30	101.70	101.98	101.49
90/09/11	101.48	101.70	101.30	90/10/31	101.23	101.47	100.98
90/09/12	101.36	101.59	101.12	90/11/01	101.21	101.50	101.04
90/09/13	101.31	101.49	101.15	90/11/02	101.79	102.15	101.54
90/09/14	101.36	101.58	101.16	90/11/03	102.34	102.54	102.17
90/09/15	101.23	101.49	100.92	90/11/04	102.29	102.60	101.88
90/09/16	101.00	101.26	100.77	90/11/05	101.29	101.82	100.86
90/09/17	101.08	101.22	100.90	90/11/06	101.78	102.09	101.35
90/09/18	101.27	101.45	101.15	90/11/07	102.23	102.50	102.03
90/09/19	101.29	101.47	101.11	90/11/08	102.29	102.45	102.08
90/09/20	101.25	101.47	101.09	90/11/09	102.48	102.74	102.25
90/09/21	101.71	101.90	101.49	90/11/10	102.38	102.54	102.19
90/09/22	101.89	102.05	101.74	90/11/11	102.38	102.52	102.24
90/09/23	101.87	102.13	101.65	90/11/12	102.34	102.58	102.12
90/09/24	101.76	101.96	101.60	90/11/13	101.80	102.09	101.56
90/09/25	101.66	101.86	101.50	90/11/14	101.53	101.69	101.38
90/09/26	101.53	101.76	101.35	90/11/15	102.08	102.38	101.71
90/09/27	101.28	101.48	101.08	90/11/16	102.22	102.42	102.02
90/09/28	101.42	101.55	101.23	90/11/17	101.80	102.04	101.55
90/09/29	101.63	101.77	101.50	90/11/18	101.39	101.58	101.22
90/09/30	101.75	101.92	101.57	90/11/19	100.88	101.19	100.60
90/10/01	101.55	101.86	101.26	90/11/20	101.01	101.67	100.49
90/10/02	101.12	101.33	100.79	90/11/21	102.04	102.47	101.71
90/10/03	101.79	102.13	101.33	90/11/22	102.58	102.81	102.41
90/10/04	102.04	102.32	101.78	90/11/23	102.31	102.57	102.05
90/10/05	101.50	101.86	101.17	90/11/24	101.91	102.10	101.68
90/10/06	101.15	101.36	100.98	90/11/25	101.04	101.80	99.83
90/10/07	101.54	102.21	101.06	90/11/26	100.89	101.93	99.78
90/10/08	102.50	102.67	102.26	90/11/27	102.13	102.49	101.90
90/10/09	102.49	102.84	102.14	90/11/28	102.91	103.12	102.52
90/10/10	101.69	102.11	101.36	90/11/29	102.71	103.07	102.32
90/10/11	101.59	101.81	101.42	90/11/30	102.08	102.27	101.89
90/10/12	101.74	102.02	101.50	90/12/01	102.06	102.25	101.86
90/10/13	101.36	101.51	101.16	90/12/02	102.53	102.74	102.24
90/10/14	101.40	101.59	101.25	90/12/03	102.83	103.06	102.68
90/10/15	101.38	101.62	101.19	90/12/04	102.62	102.83	102.42
90/10/16	101.24	101.50	101.05	90/12/05	102.38	102.63	102.19
90/10/17	101.83	102.04	101.55	90/12/06	102.77	103.01	102.64
90/10/18	101.46	101.82	100.95	90/12/07	102.60	102.79	102.41
90/10/19	101.22	101.79	100.92	90/12/08	102.46	102.65	102.28
90/10/20	102.06	102.30	101.81	90/12/09	102.33	102.53	102.14
90/10/21	102.25	102.50	102.00	90/12/10	101.98	102.20	101.74
90/10/22	101.79	101.97	101.57	90/12/11	101.46	101.70	101.25
90/10/23	101.89	102.11	101.75	90/12/12	101.52	101.65	101.36
90/10/24	102.16	102.35	102.03	90/12/13	101.47	101.69	101.21
90/10/25	102.06	102.26	101.89	90/12/14	101.90	102.17	101.72
90/10/26	101.93	102.05	101.78	90/12/15	101.28	101.70	100.90
90/10/27	102.01	102.21	101.85	90/12/16	101.37	101.79	101.18
90/10/28	101.82	102.02	101.61	90/12/17	102.15	102.33	101.80
90/10/29	101.63	101.78	101.48	90/12/18	101.39	102.14	100.44

Table 4. Summary of barometric-pressure data collected at study site near Beatty, Nev., in 1990 and 1991
—Continued

Date	Barometric pressure (kilopascals)			Date	Barometric pressure (kilopascals)		
	Mean	Maximum	Minimum		Mean	Maximum	Minimum
90/12/19	99.82	100.30	99.47	91/02/07	102.22	102.40	102.00
90/12/20	100.48	100.72	100.01	91/02/08	102.15	102.33	101.98
90/12/21	101.11	101.54	100.72	91/02/09	102.06	102.33	101.81
90/12/22	101.94	102.55	101.52	91/02/10	101.82	102.00	101.64
90/12/23	102.89	103.12	102.57	91/02/11	101.82	102.05	101.67
90/12/24	102.62	103.03	102.19	91/02/12	101.75	101.89	101.58
90/12/25	102.18	102.44	102.04	91/02/13	102.00	102.17	101.87
90/12/26	102.12	102.25	102.01	91/02/14	102.04	102.32	101.78
90/12/27	101.84	102.24	101.35	91/02/15	101.51	101.80	101.26
90/12/28	100.80	101.26	100.56	91/02/16	101.15	101.31	100.93
90/12/29	101.52	102.47	100.75	91/02/17	101.48	101.85	101.31
90/12/30	102.68	102.89	102.50	91/02/18	102.22	102.56	101.89
90/12/31	102.67	102.87	102.47	91/02/19	102.68	102.92	102.49
91/01/01	102.40	102.61	102.20	91/02/20	102.52	102.81	102.21
91/01/02	102.28	102.48	102.13	91/02/21	102.11	102.34	101.88
91/01/03	101.84	102.12	101.54	91/02/22	101.55	101.86	101.27
91/01/04	101.46	101.69	101.31	91/02/23	101.44	101.63	101.26
91/01/05	101.88	102.18	101.67	91/02/24	101.87	102.12	101.59
91/01/06	102.29	102.46	102.17	91/02/25	102.12	102.41	101.84
91/01/07	102.19	102.34	102.06	91/02/26	101.64	101.91	101.34
91/01/08	101.84	102.10	101.58	91/02/27	100.90	101.33	100.33
91/01/09	101.62	101.90	101.44	91/02/28	99.96	100.25	99.64
91/01/10	102.19	102.47	101.93	91/03/01	99.84	100.69	99.52
91/01/11	102.57	102.75	102.42	91/03/02	101.70	102.21	100.83
91/01/12	102.55	102.78	102.42	91/03/03	102.02	102.26	101.80
91/01/13	102.28	102.46	102.05	91/03/04	101.25	101.79	100.85
91/01/14	102.40	102.67	102.28	91/03/05	101.05	101.41	100.87
91/01/15	101.89	102.27	101.49	91/03/06	101.57	101.81	101.34
91/01/16	102.33	102.53	102.02	91/03/07	101.96	102.24	101.67
91/01/17	102.46	102.65	102.21	91/03/08	101.86	102.04	101.68
91/01/18	102.17	102.48	101.84	91/03/09	101.49	101.77	101.15
91/01/19	101.85	102.07	101.64	91/03/10	100.86	101.17	100.49
91/01/20	101.77	101.94	101.47	91/03/11	101.32	101.89	100.51
91/01/21	102.17	102.36	101.88	91/03/12	101.77	102.06	101.44
91/01/22	101.97	102.28	101.73	91/03/13	100.90	101.41	100.36
91/01/23	101.91	102.09	101.76	91/03/14	100.56	100.80	100.30
91/01/24	101.90	102.09	101.70	91/03/15	100.55	101.04	100.14
91/01/25	101.88	102.06	101.70	91/03/16	101.48	101.74	101.10
91/01/26	101.82	102.03	101.61	91/03/17	101.70	101.95	101.50
91/01/27	101.55	101.80	101.30	91/03/18	101.00	101.53	100.28
91/01/28	101.13	101.34	100.90	91/03/19	100.30	100.80	99.94
91/01/29	102.04	102.33	101.31	91/03/20	100.49	100.80	100.25
91/01/30	102.52	102.65	102.36	91/03/21	100.83	101.44	100.28
91/01/31	102.51	102.70	102.31	91/03/22	101.84	102.02	101.49
91/02/01	102.26	102.45	102.10	91/03/23	101.56	101.83	101.32
91/02/02	102.20	102.31	102.04	91/03/24	101.00	101.33	100.52
91/02/03	102.45	102.63	102.28	91/03/25	100.53	100.64	100.45
91/02/04	102.48	102.79	102.18	91/03/26	100.51	100.83	100.37
91/02/05	101.91	102.10	101.68	91/03/27	101.07	101.57	100.79
91/02/06	102.13	102.29	101.97	91/03/28	101.82	102.06	101.61

Table 4. Summary of barometric-pressure data collected at study site near Beatty, Nev., in 1990 and 1991

—Continued

Date	Barometric pressure (kilopascals)			Date	Barometric pressure (kilopascals)		
	Mean	Maximum	Minimum		Mean	Maximum	Minimum
91/03/29	101.77	101.97	101.58	91/05/18	101.03	101.27	100.72
91/03/30	102.13	102.35	101.96	91/05/19	101.28	101.44	101.15
91/03/31	101.83	102.14	101.39	91/05/20	100.90	101.18	100.55
91/04/01	101.35	101.77	101.10	91/05/21	101.00	101.21	100.77
91/04/02	101.93	102.13	101.75	91/05/22	101.34	101.51	101.17
91/04/03	102.14	102.35	101.97	91/05/23	101.52	101.74	101.32
91/04/04	102.12	102.36	101.91	91/05/24	101.38	101.67	101.07
91/04/05	101.66	101.93	101.32	91/05/25	100.92	101.21	100.57
91/04/06	100.95	101.29	100.53	91/05/26	100.67	100.80	100.44
91/04/07	101.18	101.44	100.95	91/05/27	101.05	101.24	100.86
91/04/08	101.98	102.21	101.49	91/05/28	101.29	101.54	101.06
91/04/09	101.82	102.24	101.26	91/05/29	100.85	101.15	100.49
91/04/10	101.17	101.43	100.95	91/05/30	100.24	100.55	997.65
91/04/11	101.35	101.50	101.16	91/05/31	100.65	100.86	100.41
91/04/12	101.58	101.78	101.46	91/06/01	101.15	101.38	100.88
91/04/13	101.71	101.97	101.43	91/06/02	101.22	101.39	101.02
91/04/14	101.26	101.66	100.77	91/06/03	101.14	101.37	100.91
91/04/15	100.59	100.84	100.22	91/06/04	100.95	101.18	100.72
91/04/16	100.80	100.97	100.57	91/06/05	100.97	101.12	100.80
91/04/17	101.12	101.31	100.72	91/06/06	101.26	101.39	101.13
91/04/18	101.30	101.48	101.13	91/06/07	101.39	101.61	101.18
91/04/19	101.32	101.51	101.13	91/06/08	101.13	101.32	100.93
91/04/20	101.09	101.27	100.89	91/06/09	101.24	101.42	101.08
91/04/21	101.29	101.48	101.13	91/06/10	101.23	101.48	101.01
91/04/22	101.17	101.36	100.99	91/06/11	101.14	101.40	100.89
91/04/23	101.07	101.28	100.86	91/06/12	101.03	101.32	100.68
91/04/24	101.01	101.34	100.64	91/06/13	100.88	101.11	100.60
91/04/25	100.91	101.18	100.77	91/06/14	101.11	101.24	100.89
91/04/26	101.38	101.66	101.20	91/06/15	101.34	101.53	101.15
91/04/27	101.53	101.76	101.31	91/06/16	101.39	101.60	101.21
91/04/28	101.72	102.02	101.43	91/06/17	101.34	101.54	101.12
91/04/29	101.41	101.61	101.12	91/06/18	101.10	101.26	100.95
91/04/30	101.45	101.92	100.84	91/06/19	101.07	101.27	100.90
91/05/01	100.53	100.79	100.35	91/06/20	101.28	101.47	101.11
91/05/02	100.83	101.15	100.56	91/06/21	101.11	101.28	100.91
91/05/03	101.34	101.69	101.15	91/06/22	101.14	101.33	100.94
91/05/04	101.94	102.13	101.72	91/06/23	101.06	101.26	100.84
91/05/05	102.07	102.38	101.75	91/06/24	100.95	101.14	100.72
91/05/06	101.35	101.68	101.06	91/06/25	101.09	101.30	100.90
91/05/07	101.35	101.60	101.08	91/06/26	101.01	101.28	100.73
91/05/08	100.65	101.04	100.32	91/06/27	100.79	100.95	100.61
91/05/09	100.72	101.08	100.30	91/06/28	100.95	101.12	100.78
91/05/10	101.09	101.31	100.95	91/06/29	101.21	101.38	100.92
91/05/11	101.54	101.69	101.31	91/06/30	101.40	101.61	101.17
91/05/12	101.72	102.00	101.47	91/07/01	101.32	101.53	101.11
91/05/13	100.92	101.41	100.38	91/07/02	101.39	101.63	101.19
91/05/14	101.14	101.56	100.80	91/07/03	101.38	101.65	101.14
91/05/15	101.52	101.77	101.29	91/07/04	101.16	101.44	100.89
91/05/16	101.07	101.44	100.61	91/07/05	101.04	101.22	100.83
91/05/17	100.65	100.94	100.30	91/07/06	101.25	101.39	101.11

Table 4. Summary of barometric-pressure data collected at study site near Beatty, Nev., in 1990 and 1991
—Continued

Date	Barometric pressure (kilopascals)			Date	Barometric pressure (kilopascals)		
	Mean	Maximum	Minimum		Mean	Maximum	Minimum
91/07/07	101.51	101.62	101.38	91/08/26	101.44	101.69	101.19
91/07/08	101.56	101.74	101.32	91/08/27	101.28	101.47	101.10
91/07/09	101.21	101.44	100.90	91/08/28	101.23	101.55	100.96
91/07/10	101.33	101.51	101.15	91/08/29	101.73	101.88	101.57
91/07/11	101.54	101.66	101.37	91/08/30	101.92	102.10	101.77
91/07/12	101.65	101.85	101.46	91/08/31	101.71	101.97	101.50
91/07/13	101.40	101.64	101.13	91/09/01	101.55	101.69	101.38
91/07/14	101.31	101.51	101.11	91/09/02	101.56	101.72	101.34
91/07/15	101.43	101.59	101.28	91/09/03	101.81	101.95	101.64
91/07/16	101.64	101.84	101.47	91/09/04	101.90	102.15	101.67
91/07/17	101.39	101.67	101.11	91/09/05	101.42	101.75	101.15
91/07/18	101.13	101.38	100.88	91/09/06	101.37	101.58	101.12
91/07/19	101.07	101.21	100.90	91/09/07	101.56	101.70	101.37
91/07/20	101.36	101.53	101.20	91/09/08	101.69	101.89	101.54
91/07/21	101.66	101.85	101.49	91/09/09	101.20	101.62	100.81
91/07/22	101.61	101.81	101.38	91/09/10	100.80	101.12	100.56
91/07/23	101.50	101.71	101.27	91/09/11	101.40	101.48	101.18
91/07/24	101.31	101.57	101.02	91/09/12	101.50	101.67	101.30
91/07/25	101.20	101.38	101.00	91/09/13	101.53	101.74	101.35
91/07/26	101.53	101.68	101.30	91/09/14	101.40	101.65	101.22
91/07/27	101.84	102.05	101.66	91/09/15	101.34	101.52	101.13
91/07/28	101.77	102.02	101.51	91/09/16	101.73	101.91	101.55
91/07/29	101.56	101.73	101.31	91/09/17	101.79	102.08	101.54
91/07/30	101.70	101.95	101.44	91/09/18	101.54	101.77	101.31
91/07/31	101.86	102.05	101.60	91/09/19	101.45	101.64	101.22
91/08/01	101.60	101.79	101.38	91/09/20	101.48	101.72	101.24
91/08/02	101.33	101.55	101.04	91/09/21	101.38	101.65	101.11
91/08/03	101.30	101.51	101.07	91/09/22	101.43	101.67	101.18
91/08/04	101.22	101.44	100.99	91/09/23	101.83	101.99	101.61
91/08/05	101.14	101.33	100.90	91/09/24	101.82	101.99	101.60
91/08/06	101.22	101.37	101.09	91/09/25	101.93	102.18	101.75
91/08/07	101.67	101.82	101.37	91/09/26	101.73	102.00	101.49
91/08/08	101.74	102.01	101.48	91/09/27	101.51	101.74	101.24
91/08/09	101.31	101.59	100.95	91/09/28	101.36	101.56	101.16
91/08/10	101.25	101.58	101.06	91/09/29	101.50	101.64	101.31
91/08/11	101.78	101.92	101.58	91/09/30	101.85	102.10	101.64
91/08/12	101.96	102.06	101.81	91/10/01	102.13	102.33	101.94
91/08/13	101.76	102.03	101.43	91/10/02	101.85	102.18	101.62
91/08/14	101.37	101.55	101.15	91/10/03	101.51	101.85	101.28
91/08/15	101.51	101.67	101.37	91/10/04	101.36	101.56	101.19
91/08/16	101.70	101.90	101.52	91/10/05	101.54	101.69	101.37
91/08/17	101.62	101.83	101.39	91/10/06	101.68	101.84	101.53
91/08/18	101.50	101.69	101.30	91/10/07	101.74	101.98	101.54
91/08/19	101.58	101.76	101.44	91/10/08	101.61	101.81	101.41
91/08/20	101.59	101.76	101.44	91/10/09	101.78	101.93	101.64
91/08/21	101.70	101.87	101.53	91/10/10	102.01	102.17	101.87
91/08/22	101.86	102.04	101.72	91/10/11	102.02	102.32	101.81
91/08/23	101.68	101.99	101.41	91/10/12	101.68	101.95	101.45
91/08/24	101.43	101.69	101.17	91/10/13	101.64	101.79	101.50
91/08/25	101.48	101.66	101.25	91/10/14	101.97	102.13	101.81

Table 4. Summary of barometric-pressure data collected at study site near Beatty, Nev., in 1990 and 1991
—Continued

Date	Barometric pressure (kilopascals)			Date	Barometric pressure (kilopascals)		
	Mean	Maximum	Minimum		Mean	Maximum	Minimum
91/10/15	102.05	102.34	101.86	91/11/24	103.07	103.40	102.76
91/10/16	101.61	101.92	101.36	91/11/25	102.43	102.74	102.25
91/10/17	101.36	101.52	101.15	91/11/26	102.13	102.33	101.96
91/10/18	101.75	102.05	101.49	91/11/27	101.93	102.19	101.69
91/10/19	102.15	102.39	102.01	91/11/28	101.25	101.62	100.60
91/10/20	101.70	102.07	101.45	91/11/29	101.60	101.75	101.22
91/10/21	101.37	101.63	101.19	91/11/30	101.12	101.52	100.84
91/10/22	101.08	101.38	100.87	91/12/01	101.96	102.40	101.58
91/10/23	100.88	101.07	100.70	91/12/02	102.42	102.73	102.26
91/10/24	101.10	101.35	100.90	91/12/03	102.24	102.51	101.98
91/10/25	101.24	101.45	101.06	91/12/04	102.59	102.86	102.36
91/10/26	101.15	101.36	100.99	91/12/05	102.02	102.32	101.75
91/10/27	100.63	101.01	100.15	91/12/06	101.82	102.01	101.67
91/10/28	101.23	101.78	100.73	91/12/07	101.60	101.92	101.28
91/10/29	101.71	101.89	101.48	91/12/08	101.21	101.60	100.97
91/10/30	101.34	101.88	100.93	91/12/09	102.05	102.36	101.63
91/10/31	102.36	102.53	101.95	91/12/10	102.25	102.61	101.86
91/11/01	102.28	102.61	102.07	91/12/11	101.44	101.78	101.17
91/11/02	102.00	102.24	101.76	91/12/12	101.45	101.89	101.21
91/11/03	102.16	102.55	101.91	91/12/13	102.09	102.31	101.89
91/11/04	102.62	102.80	102.48	91/12/14	102.58	102.74	102.31
91/11/05	102.44	102.75	102.25	91/12/15	102.65	102.87	102.50
91/11/06	102.00	102.28	101.77	91/12/16	102.51	102.72	102.33
91/11/07	101.74	101.92	101.49	91/12/17	102.28	102.52	102.07
91/11/08	102.01	102.16	101.85	91/12/18	101.81	102.06	101.61
91/11/09	101.72	102.02	101.49	91/12/19	101.35	101.68	101.00
91/11/10	101.48	101.63	101.28	91/12/20	101.70	102.38	101.14
91/11/11	101.66	101.91	101.44	91/12/21	102.48	102.64	102.38
91/11/12	102.09	102.28	101.90	91/12/22	102.06	102.37	101.83
91/11/13	102.07	102.37	101.70	91/12/23	102.15	102.26	101.99
91/11/14	100.98	101.64	100.39	91/12/24	102.01	102.25	101.78
91/11/15	100.59	100.83	100.31	91/12/25	101.67	101.85	101.46
91/11/16	101.31	101.84	100.80	91/12/26	101.78	101.92	101.63
91/11/17	101.90	102.12	101.69	91/12/27	101.99	102.16	101.88
91/11/18	101.16	101.67	100.73	91/12/28	101.63	102.08	101.16
91/11/19	101.93	102.67	101.03	91/12/29	101.25	101.38	101.11
91/11/20	102.90	103.11	102.64	91/12/30	101.19	101.34	101.09
91/11/21	102.53	102.91	102.08	91/12/31	101.78	102.19	101.24
91/11/22	102.03	102.28	101.74				
91/11/23	102.74	103.19	102.37				