Micrometeorological Data for Boulder Valley, Eureka County, Nevada, June 1992 Through August 1993

By Guy A. DeMeo

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CONVERSION FACTORS, VERTICAL DATUM, AND NUMERICAL ROUNDING

Multiply	By	To obtain
centimeter (cm)	0.3937	inch
erg	9.48451×10^{-11}	British thermal unit
kilometer (km)	0.6214	mile
kilopascal (kPa)	0.1450	pound-force per square inch
meter (m)	3.281	foot
meter per second (m/s)	2.237	mile per hour
micrometer (μm)	0.00003937	inch
millimeter (mm)	0.03937	inch
square kilometer (km^2)	0.3861	square mile
watt per square meter (W/m^2)	0.005287	British thermal unit per minute per square foot

Temperature: Degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) by using the formula °F = [1.8(°C)]+32. Degrees Fahrenheit can be converted to degrees Celsius by using the formula °C = 0.556(°F-32). Kelvin (K) can be converted to degrees Fahrenheit by using the formula °F=1.8(K-273.15)+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 leveling networks of the United States and Canada.

Numerical rounding: Data tables in this report, including totals and mean values, are derived from computer spreadsheet programs. These programs display a defined number of digits following the decimal point, but retain the original number of digits in the spreadsheet cell. Each displayed number is rounded appropriately. However, the full number of digits is used for calculations, such as sums or means, and the resulting number, when rounded, may not equal exactly the sum or mean of the displayed digits. Any discrepancy generally will be in the least significant digit displayed. The sum or mean value, as displayed, is more accurate that the sum or mean of the individual displayed values.

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ABSTRACT

A field study designed to improve the accuracy of estimated ground-water discharge from evapotranspiration by phreatophytic communities in arid regions was made in Boulder Valley, a desert basin in north-central Nevada. Micrometeorological data were collected to determine evapotranspiration rates. Data presented in this report comprise air temperature, windspeed, net radiation, relative humidity, vapor pressure, soil-surface temperature, soil-heat flux, and plant-canopy temperature of greasewood. These data were collected from June 6, 1992, through August 31, 1993.

Collected data were sampled at 1- or 10-second intervals. These data were then averaged at 60-minute intervals for final use. Values presented in this report are the average maximum or minimum for each 60-minute period; daily mean values are the averages of the 60-minute averages for each 24-hour period.

Collected data throughout the period of record show daily mean air temperature ranged from 29.21 to -14.26°C (degrees Celsius); the maximum and minimum were 37.81 and -25.39°C. Daily mean windspeed ranged from 8.77 to 0.70 meters per second; the maximum was 13.46 meters per second. Daily mean net radiation ranged from 172.7 to -9.2 W/m^2 (watts per square meter); the maximum and minimum were 648.3 and -89.4 W/m^2. Daily mean relative humidity ranged from 94.93 to 9.71 percent; the maximum and minimum were 100 and 2.4 percent. Daily mean vapor pressure ranged from 1.60 to 0.12 kilopascals; the maximum and minimum were 1.90 and 0.06 kilopascals. Daily mean soil-surface temperature ranged from 31.08 to -8.56°C; the maximum and minimum were 59.78 and -14.89°C. Daily mean soil-heat flux ranged from 17.95 to -18.55 W/m^2; the maximum and minimum were 90.20 and -46.80 W/m^2. Daily mean plant-canopy temperature ranged from 33.81 to -7.22°C; the maximum and minimum were 43.39 and -13.51°C.

INTRODUCTION

Ground-water-budget estimates for the basins of Nevada can be improved by increasing the accuracy of estimates of water loss from evapotranspiration (ET) by phreatophytes. In an effort to improve the accuracy of estimated ET rates, the U.S. Geological Survey, in cooperation with the Nevada Division of Water Resources, began a field study in May 1992 in Boulder Valley, a basin in north-central Nevada. Micrometeorological data were collected there from June 6, 1992, through August 31, 1993.

Purpose and Scope

This report presents the measured or calculated micrometeorological data, which include air temperature, windspeed, net radiation, relative humidity, vapor pressure, soil-surface temperature, soil-heat flux, and plant-canopy temperature of greasewood. Data tables at the end of the report list the daily maximum, minimum, and mean values.

Geographic Setting

Micrometeorological data presented in this report were collected from a study site in Boulder Valley, which is part of the 1,410-km^2 Boulder Flat

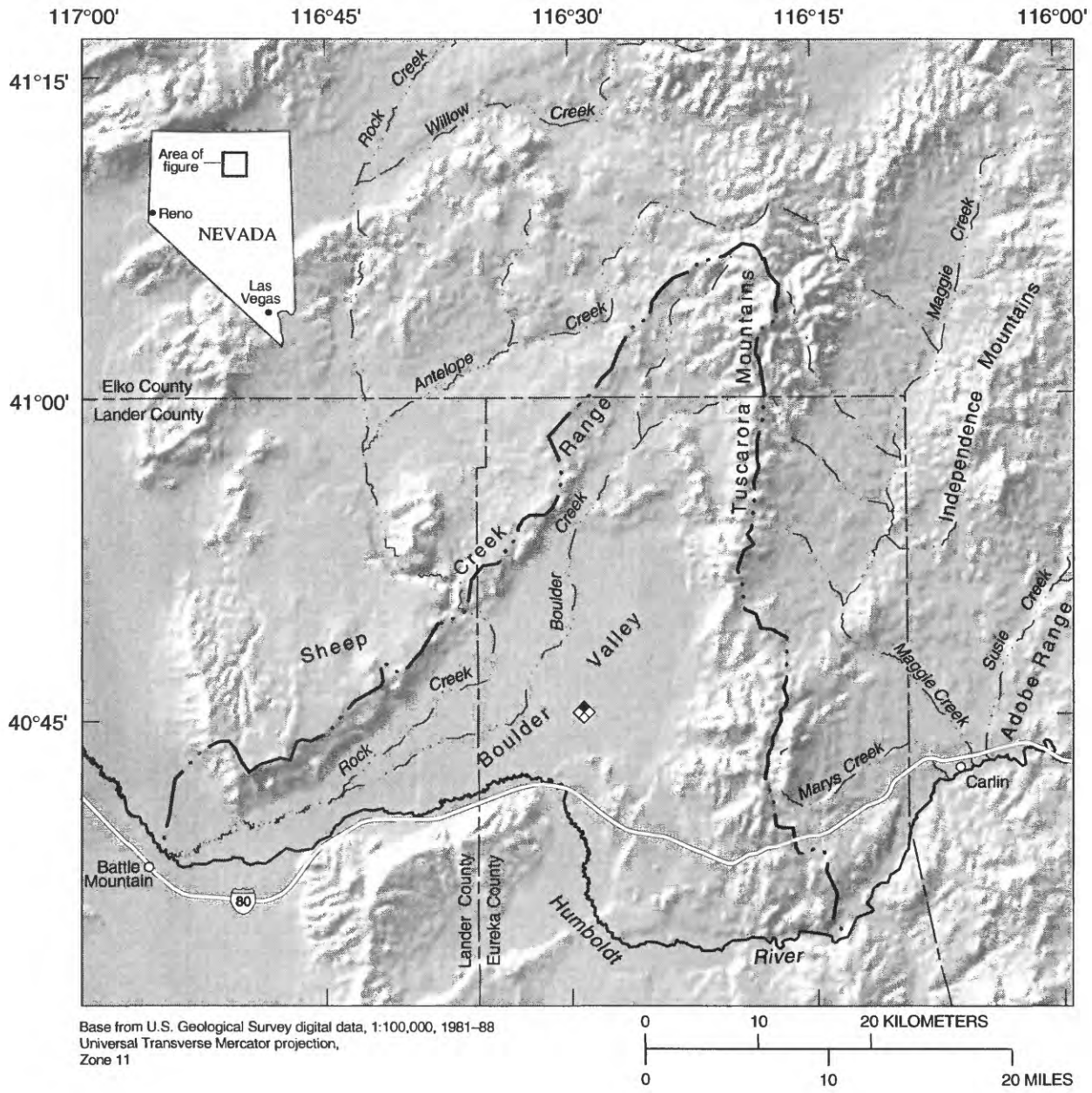

Figure 1. Location of study site in Boulder Valley, Nev.

Hydrographic Area[1] in north-central Nevada (fig. 1). The valley is bounded on the west side by the Sheep Creek Range, the east side by the Tuscarora Mountains, and the south side by the Humboldt River. The study site is approximately 40 km northeast of Battle Mountain and 32 km northwest of Carlin, Nev.

The study site is at latitude 40°45′22″N and longitude 116°29′00″W. Land-surface altitude at the site is approximately 1,415 m above sea level. The plant, *Sarcobatus vermiculatus* (greasewood), covers approximately 20 percent of the study site.

The climate is arid. Average annual precipitation ranges from 10 to 20 cm. Maximum mean temperature across the basin in July is 33.4°C, and minimum mean temperature in January is -11.0°C (Houghton, and others, 1975, p. 29).

INSTRUMENTATION

Data presented in this report comprise air temperature, wind speed, net radiation, relative humidity, vapor pressure, soil-surface temperature, soil-heat flux, and plant-canopy temperature of greasewood. Air temperature was sampled with a Type E Chromel-Constantan fine wire thermocouple at 1.5 m above land surface. Windspeed was sampled with a R.M. Young Model 12002 three-cup anemometer at 1.5 m above land surface. Net radiation was sampled with a Radiation Energy Balance Systems (REBS) Model Q6 Net Radiometer at 1.5 m above land surface. Relative humidity was sampled using a Rotronics Model MP-100 temperature-humidity probe at 1.5 m above land surface. Vapor pressure was calculated from relative-humidity and air-temperature data. Soil-heat flux was measured with two soil-heat flux plates (Campbell Scientific Inc., 1988) at 5.0 cm below land surface. Soil-surface and plant-canopy temperatures were measured with an Everest Model 4000A Infrared Temperature Transducer (IRT). These sensors can make temperature measurements at up 50 m away from their target. To obtain accurate temperatures, the IRT's were at 3.0 and 6.0 m above plant canopy and soil, respectively (Everest Interscience, Inc., 1990).

All measurements were sampled at either 1- or 10-second intervals, then averaged and stored for final use every 60 minutes using a CSI Model 21X datalogger. The datalogger and all of the instrumentation were powered by a 12-volt deep-cycle marine battery that was recharged with a solar panel.

MICROMETEOROLOGICAL DATA

Micrometeorological data collected from the study site in Boulder Valley are documented in this report. These data comprise daily maximum, minimum, and mean air temperature, windspeed, net radiation, relative humidity, vapor pressure, soil-surface temperature, soil-heat flux, and plant-canopy temperature of greasewood.

During the 15-month period of record from June 6, 1992, through August 31, 1993, data were not recoverable three times (June 20 to July 7, 1992; August 4-9, 1992; and November 18, 1992, to January 18, 1993). During the first period no data were measured; during the second period relative humidity and vapor pressure were not measured; both periods of unrecoverable data were due to equipment problems. During the last period, no data were measured because an above-normal snowpack made access impractical.

Because all the data stored for final use are averaged over 60-minute intervals, the daily maximum and minimum are not the instantaneous high and low values for that day, but rather the highest or lowest 60-minute-average for that day. Daily mean values are the average of all the 60-minute averaged values for that day.

Air Temperature

Daily mean air temperature at the study site ranged from 29.21 to -14.26°C throughout the period of record (fig. 2, table 1). Daily maximum and minimum air temperatures were 37.81°C, on August 8, 1992, and -25.39°C, on February 25, 1993.

Windspeed

Extreme variability in windspeed resulting from effects such as diurnal heating and cooling, dust devils, and strong thunderstorm gusts is shown by many peaks in the data set (fig. 3, table 1).

[1]Formal hydrographic areas in Nevada were delineated systematically by the U.S. Geological Survey and Nevada Division of Water Resources in the late 1960's for scientific and administrative purposes (Cardinalli and others, 1968, and Rush, 1968). The official hydrographic area names, numbers, and geographic boundaries continue to be used in Geological Survey scientific reports and Division of Water Resources administrative activities.

Daily mean windspeeds ranged from 8.77 to 0.70 m/s throughout the period of record. The highest daily maximum windspeed was 13.46 m/s, on January 22, 1993. Daily minimum windspeed each day was zero.

Net Radiation

Net radiation is the algebraic sum of incoming and outgoing shortwave and longwave radiation. The shortwave component ranges from 0.3 to 3.0 µm and the longwave component ranges from 4.0 to 50.0 µm.

Daily mean net radiation ranged from 172.7 to -9.2 W/m^2 throughout the period of record (fig. 4, table 1). Daily maximum and minimum net radiation were 648.3 W/m^2, on March 1, 1993, and -89.4 W/m^2, on May 26, 1993.

Relative Humidity

Relative humidity is the ratio of the amount of water vapor in the atmosphere to the amount necessary for saturation at the same temperature. Relative humidity is expressed in terms of percent and is a measure of the percentage of saturation at a given temperature (Nevada Division of Water Planning, 1995, p. 221). Relative humidity was not measured until July 8, 1992, because of equipment problems.

Daily mean relative humidity ranged from 94.93 to 9.71 percent over the period of record (fig. 5, table 2). Recorded daily maximum relative humidity exceeded 100 percent on 10 occasions from February 9 through March 28, 1993. This is believed to be instrument bias because these values are beyond the range of the operation. Hence, the actual values are assumed to be 100 percent. The lowest daily minimum relative humidity was 2.4 percent, on August 26, 1992.

Vapor Pressure

Vapor pressure is the partial pressure of water vapor in the atmosphere (Nevada Division of Water Planning, 1995, p. 293). It is a direct measure of the amount of water vapor in the atmosphere at a given time.

Vapor-pressure values in this report were calculated using data collected with the relative humidity-temperature probe. Because no relative-humidity data were available until July 8, 1992, vapor pressure could not be calculated from June 6 to July 7, 1992. Vapor pressure is calculated using the following equations (Rogers and Yau, 1989, p. 16):

$$e = R_h e_s \quad (1)$$

where

$$e_s = 0.6112e^{[17.67T_a/(T_a+243.5)]} \quad (2)$$

and where,

e is vapor pressure, in kilopascals;

R_h is relative humidity, in percent;

e_s is saturation vapor pressure, in kilopascals, which is a function of T_a; and

T_a is air temperature, in degrees Celsius.

Daily mean vapor pressure ranged from 1.60 to 0.12 kilopascals (kPa) throughout the period of record (fig. 6, table 2). Daily maximum and minimum vapor pressure were 1.90 kPa, on August 16, 1992, and 0.06 kPa, on February 25, 1993.

Soil-Surface Temperature

Daily mean soil-surface temperature ranged from 31.08 to -8.56°C throughout the period of record (fig. 7, table 2). Daily maximum and minimum soil-surface temperature were 59.78°C, on August 2, 1992, and -14.89°C, on January 25, 1993.

Soil-Heat Flux

Positive values for soil-heat flux indicate that heat is being transferred downward from land surface, and negative values indicate that heat is being conducted upward toward land surface. The values presented here are data measured directly from the heat-flux plates and do not take heat storage within the top 5 cm of soil into account.

Daily mean soil-heat flux ranged from 17.95 to -18.55 W/m^2 throughout the period of record (fig. 8, table 3). Daily maximum and minimum soil-heat flux were 90.20 W/m^2, on May 10, 1993, and -46.80 W/m^2, on June 24, 1993.

Plant-Canopy Temperature

Daily mean plant-canopy temperature of greasewood ranged from 33.81 to -7.22°C throughout the period of record (fig. 9, table 3). Daily maximum and minimum plant-canopy temperature were 43.39°C, on August 11, 1992, and -13.51°C, on February 25, 1993.

SUMMARY

This report presents micrometeorological data that were collected as part of an evapotranspiration study in Boulder Valley from June 6, 1992, through August 31, 1993. Data consist of air temperature, windspeed, net radiation, relative humidity, vapor pressure, soil-surface temperature, soil-heat flux, and plant-canopy temperature of greasewood.

Collected data throughout the period of record show that daily mean air temperature ranged from 29.21 to -14.26°C; the maximum and minimum were 37.81°C, on August 8, 1992, and -25.39°C, on February 25, 1993. Daily mean windspeed ranged from 8.77 to 0.70 m/s; the maximum was 13.46 m/s, on January 22, 1993, the minimum was zero on each day of record. Daily mean net radiation ranged from 172.7 to -9.2 W/m^2; the maximum and minimum were 648.3 W/m^2, on March 1, 1993, and -89.4 W/m^2, on May 26, 1993. Daily mean relative humidity ranged from 94.93 to 9.71 percent; the maximum and minimum were 100 percent (on 10 occasions from February 9 through March 28, 1993), and 2.4 percent, on August 26, 1992. Daily mean vapor pressure ranged from 1.60 to 0.12 kPa; the maximum and minimum were 1.90 kPa, on August 16, 1992, and 0.06 kPa, on February 25, 1993. Daily mean soil-surface temperature ranged from 31.08 to -8.56°C; the maximum and minimum were 59.78°C, on August 2, 1992, and -14.89°C, on January 25, 1993. Daily mean soil-heat flux ranged from 17.95 to -18.55 W/m^2; the maximum and minimum were 90.20 W/m^2, on May 10, 1993, and -46.86 W/m^2, on June 24, 1993. Daily mean plant-canopy temperature of greasewood ranged from 33.81 to -7.22°C; the maximum and minimum were 43.39°C, on August 11, 1992, and -13.51°C, on February 25, 1993.

The micrometeorological data collected at the Boulder Valley site are available to the public upon request from the Carson City office.

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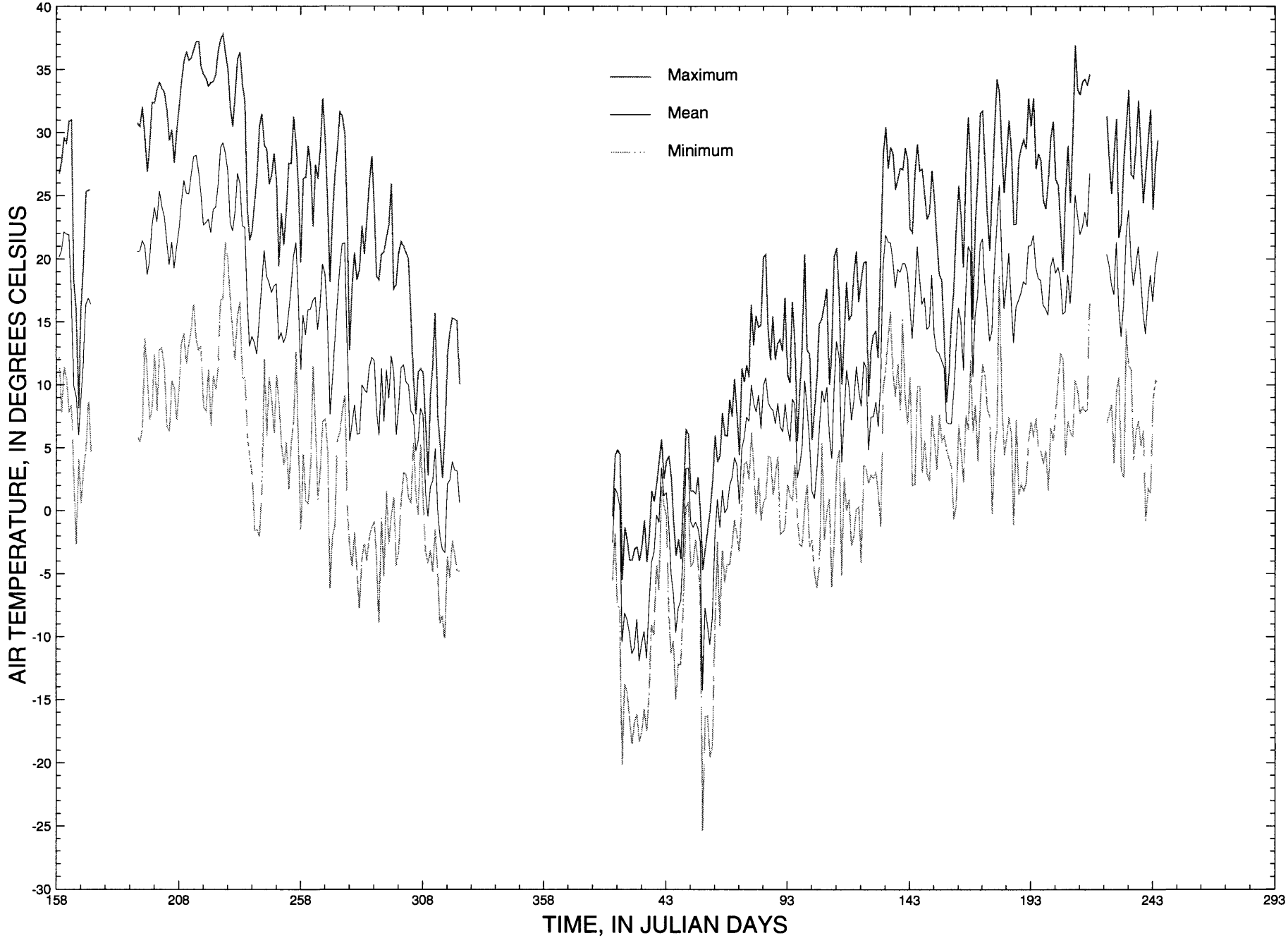

Figure 2. Daily maximum, mean, and minimum air temperature from June 6, 1992 (Julian day 158), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

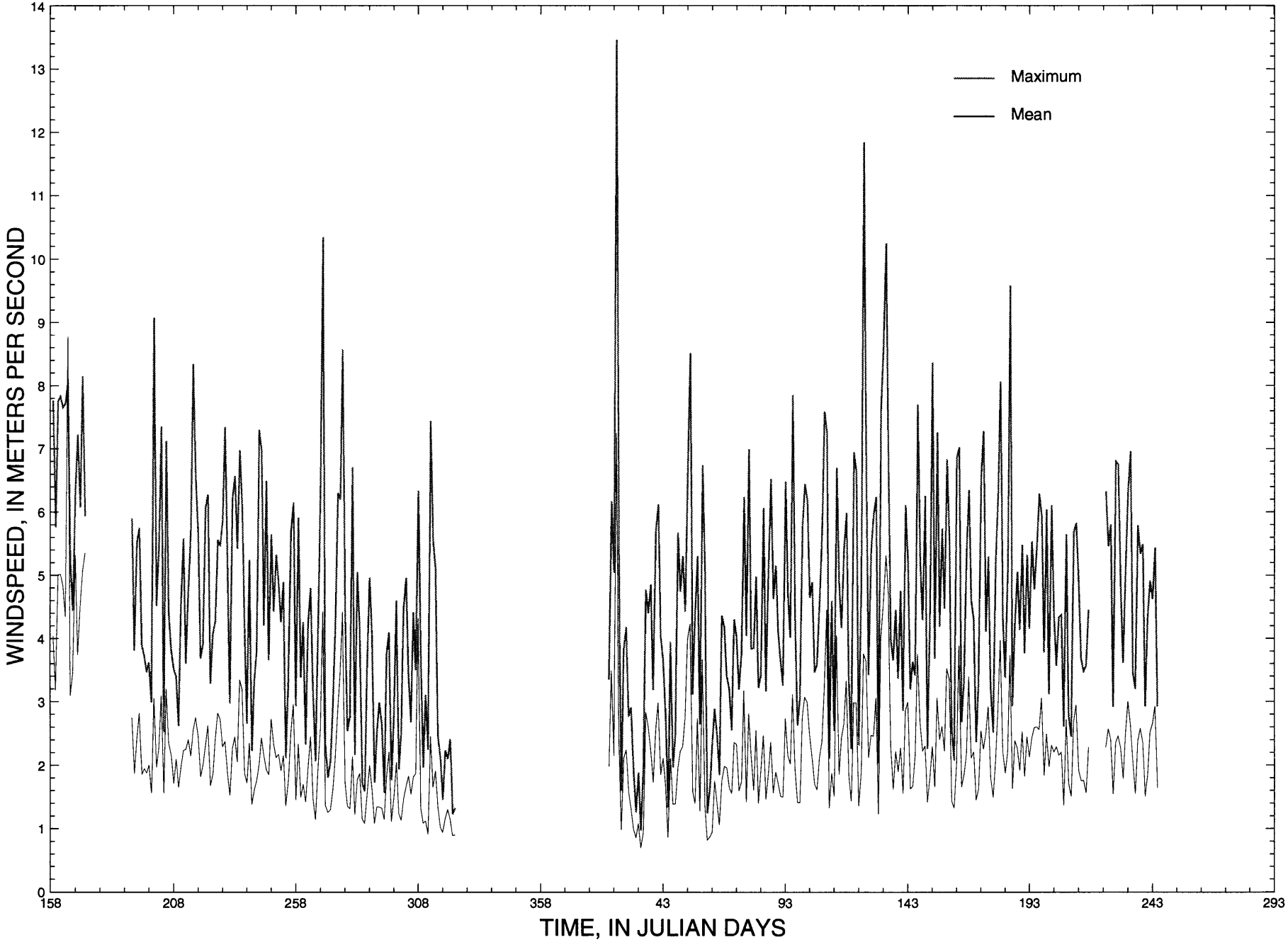

Figure 3. Daily maximum and mean windspeed from June 6, 1992 (Julian day 158), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

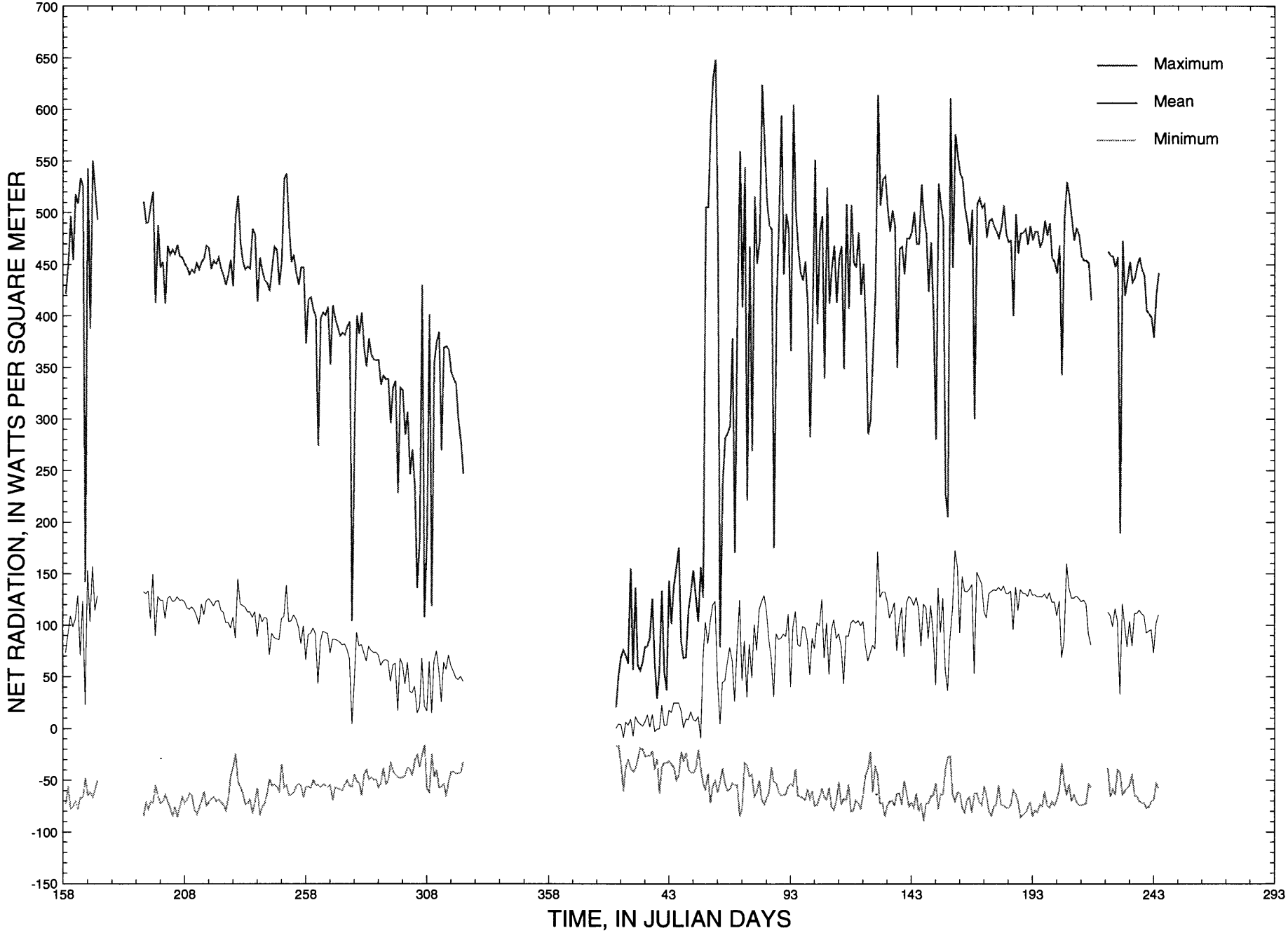

Figure 4. Daily maximum, mean, and minimum net radiation from June 6, 1992 (Julian day 158), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

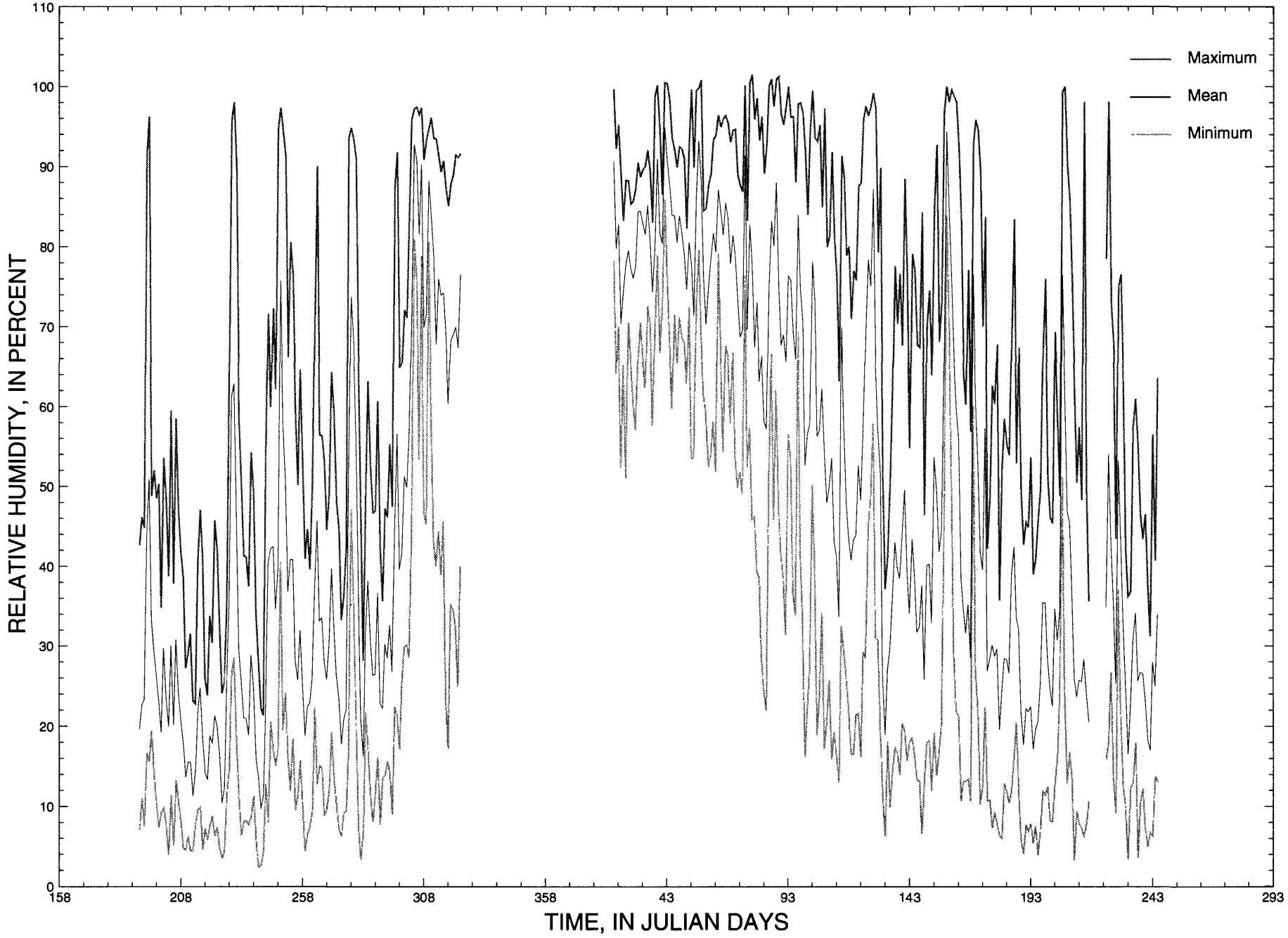

Figure 5. Daily maximum, mean, and minimum relative humidity from July 8, 1992 (Julian day 190), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

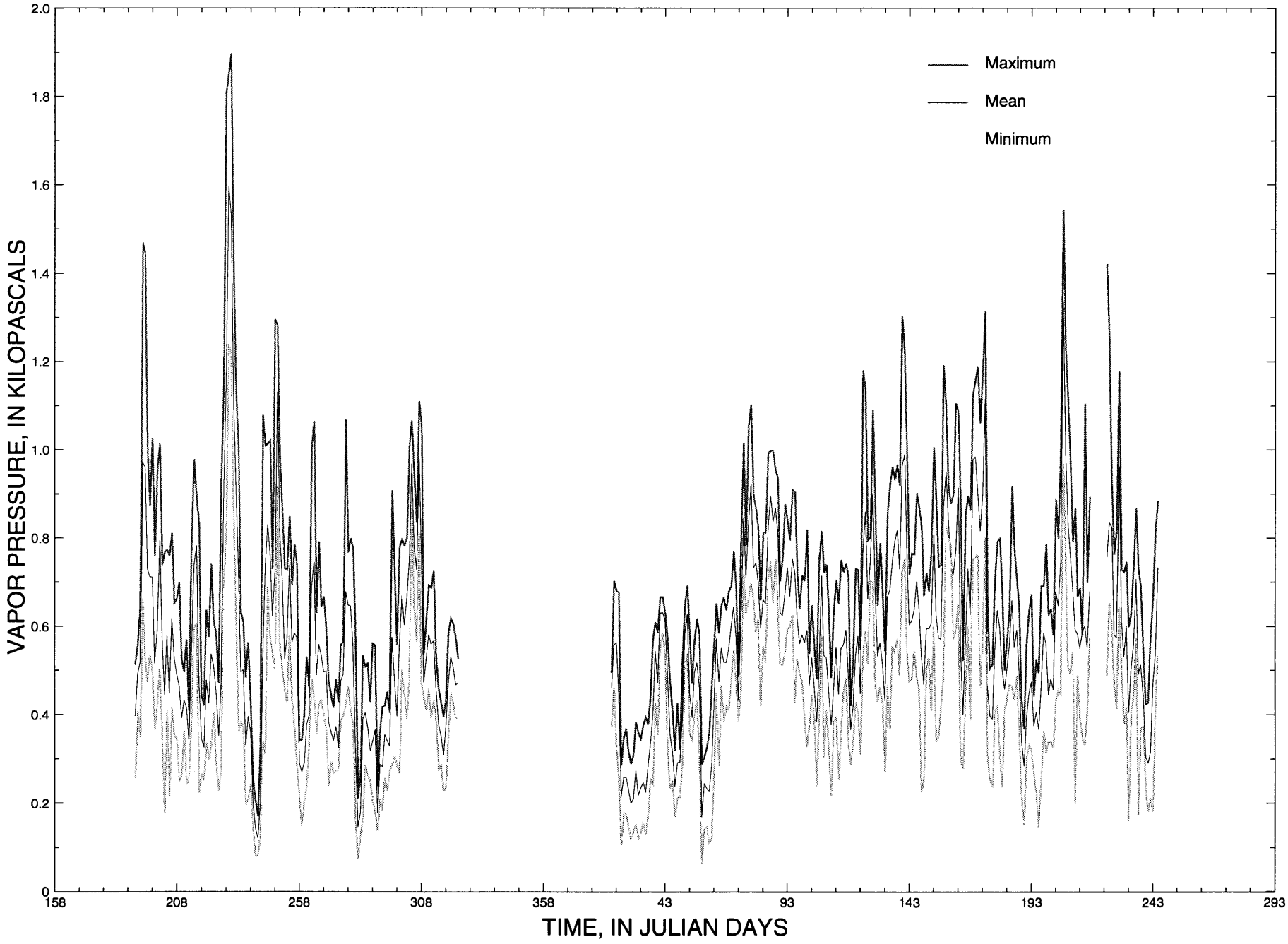

Figure 6. Daily maximum, mean, and minimum vapor pressure from July 8, 1992 (Julian day 190), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

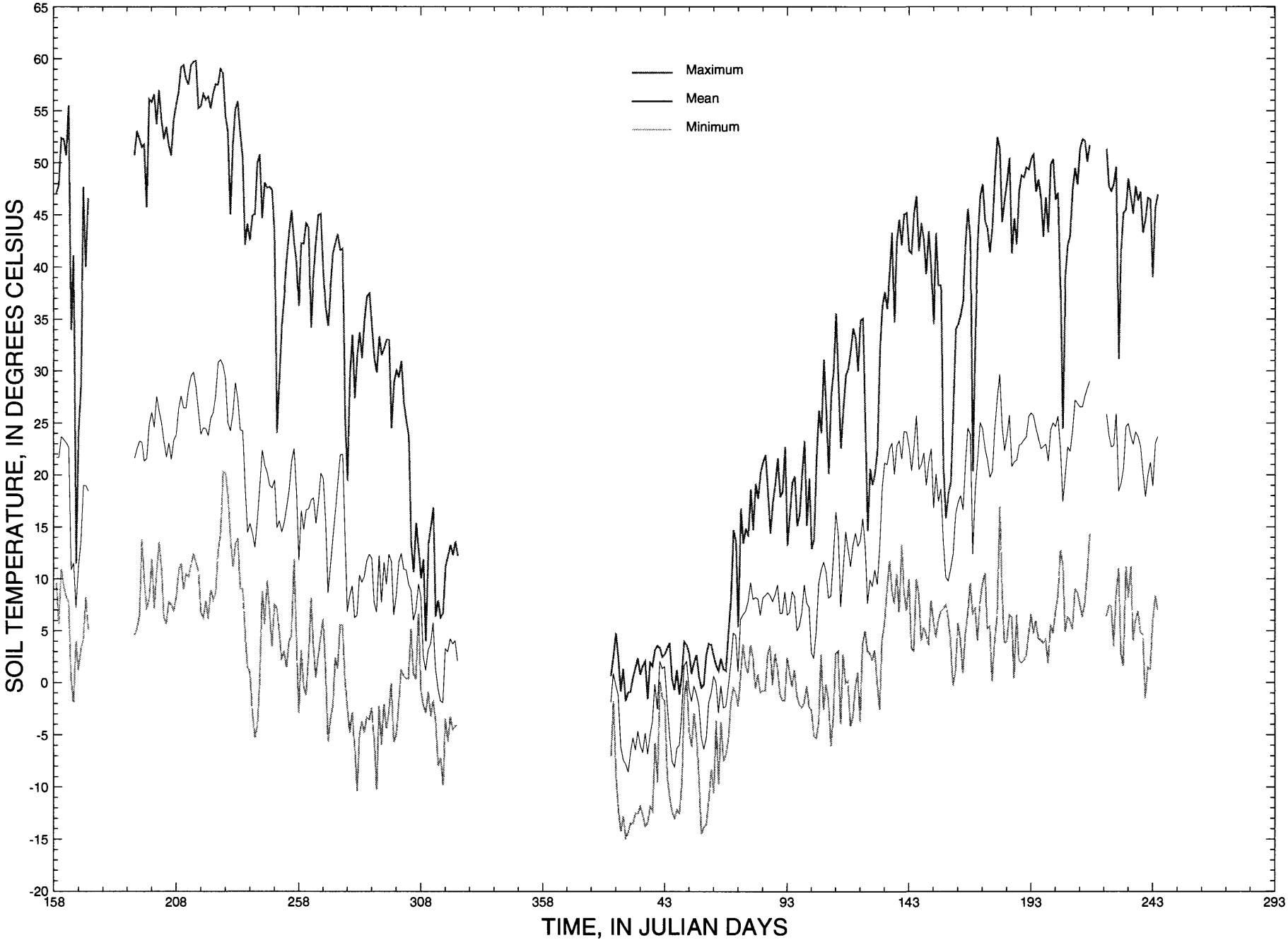

Figure 7. Daily maximum, mean, and minimum soil-surface temperature from June 6, 1992 (Julian day 158), through August 31, 1992 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

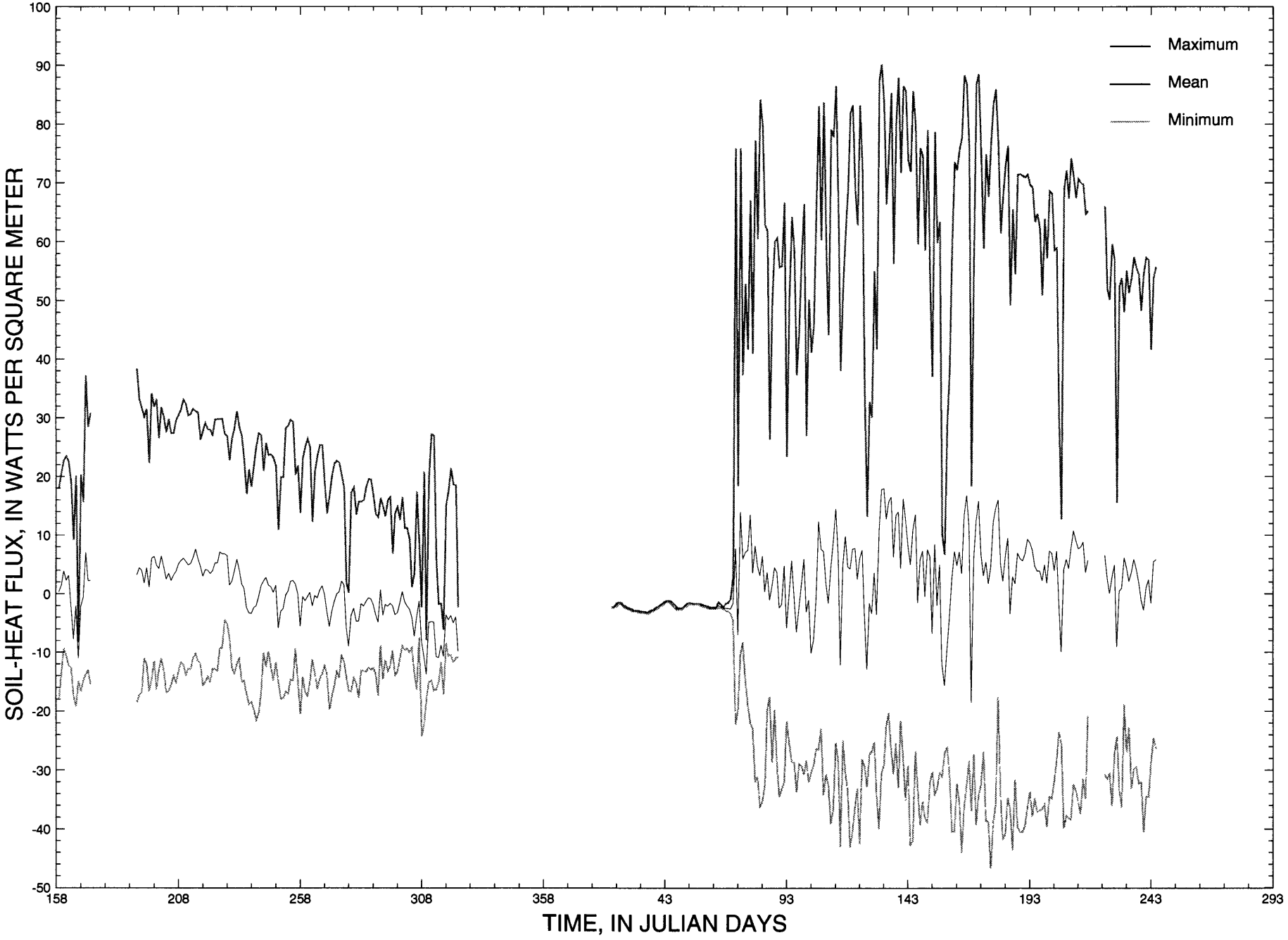

Figure 8. Daily maximum, mean, and minimum soil-heat flux from June 6, 1992 (Julian day 158), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

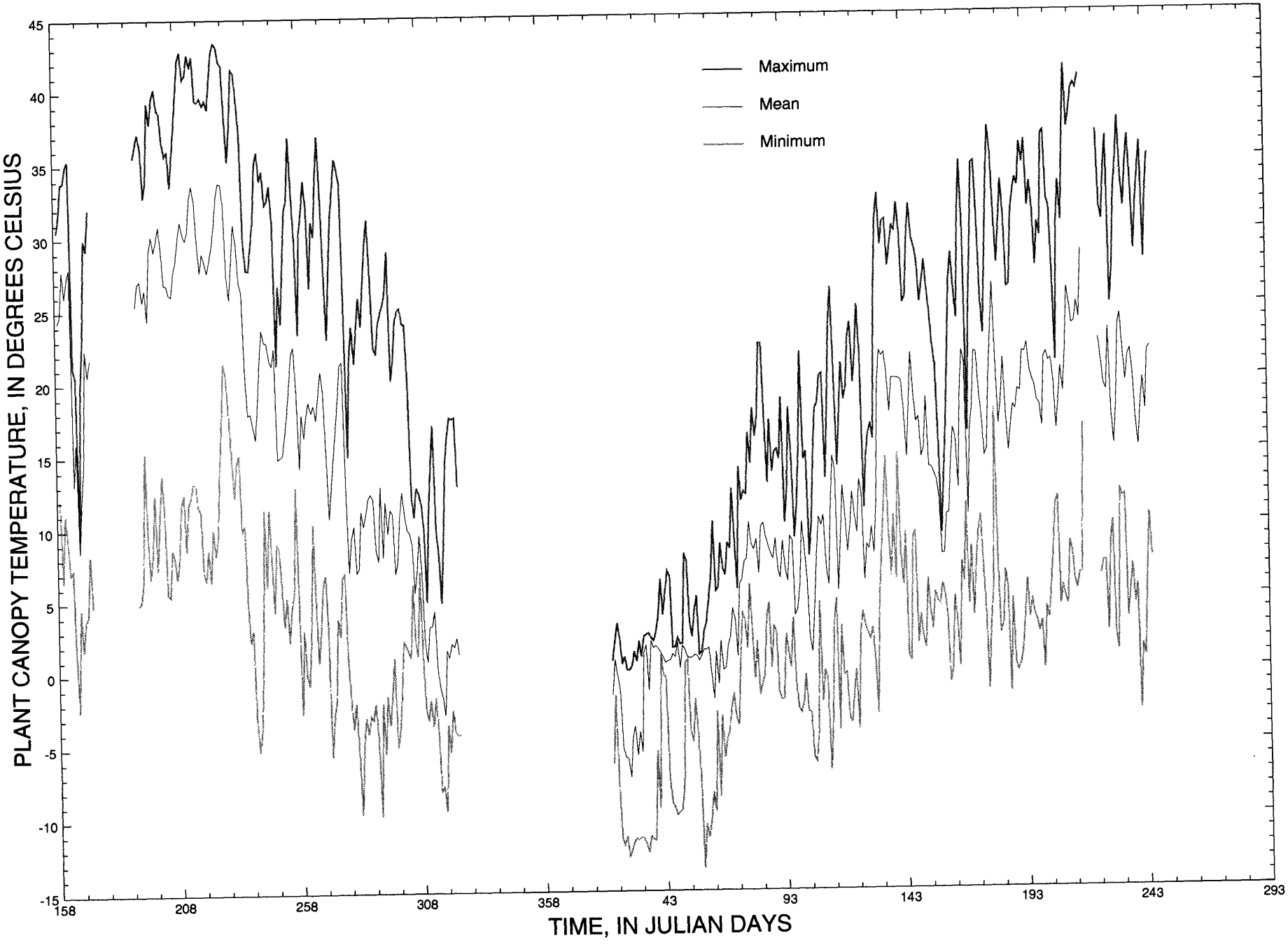

Figure 9. Daily maximum, mean, and minimum plant-canopy temperature from June 6, 1992 (Julian day 158), through August 31, 1993 (Julian day 243), from 60-minute averages, Boulder Valley, Nev.

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993

[Data are from 60-minute averages]

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
					1992				
158	June 6	26.70	12.28	20.14	7.76	4.04	421.4	-73.0	73.4
159	June 7	27.68	7.78	20.66	5.76	3.18	448.9	-55.6	91.3
160	June 8	29.55	11.40	22.13	7.75	5.01	496.9	-77.9	109.1
161	June 9	29.19	10.46	21.96	7.83	5.02	454.0	-75.7	98.5
162	June 10	30.92	7.82	21.91	7.65	4.83	517.6	-70.7	105.9
163	June 11	30.99	8.43	17.57	7.71	4.34	508.6	-77.8	128.9
164	June 12	18.28	2.31	9.89	8.04	8.77	533.3	-66.6	70.6
165	June 13	16.01	-2.71	9.03	5.18	3.10	525.0	-67.4	123.4
166	June 14	8.16	4.14	6.00	4.44	3.45	142.0	-48.2	23.1
167	June 15	15.99	.55	9.04	6.33	5.31	542.9	-64.2	153.1
168	June 16	19.58	3.43	12.04	7.22	3.74	387.7	-61.7	103.7
169	June 17	25.25	4.84	16.37	6.07	4.51	550.3	-66.4	157.2
170	June 18	25.43	8.97	16.90	8.15	5.08	521.6	-58.9	114.2
171	June 19	25.44	4.66	16.44	5.93	5.35	492.9	-50.4	128.8
190	July 8	30.76	5.82	20.60	5.90	2.74	510.7	-84.8	132.4
191	July 9	30.47	5.50	20.61	3.81	1.87	489.9	-72.1	130.7
192	July 10	32.06	6.62	21.46	5.50	2.40	490.8	-78.5	133.3
193	July 11	29.44	13.95	20.99	5.75	2.82	507.0	-70.7	106.4
194	July 12	26.88	10.51	18.75	3.89	1.86	520.1	-71.8	149.5
195	July 13	28.96	7.24	19.80	3.72	1.95	412.7	-54.7	89.5
196	July 14	32.40	8.08	22.58	3.46	1.88	487.7	-65.5	127.9
197	July 15	32.36	12.54	24.07	3.62	2.00	447.2	-72.7	124.3
198	July 16	33.41	7.96	22.92	2.98	1.56	452.5	-70.7	124.2
199	July 17	33.98	12.77	25.36	9.07	3.05	412.0	-64.4	106.6
200	July 18	33.52	12.98	24.15	4.51	1.97	468.0	-70.6	125.9
201	July 19	33.17	11.17	23.33	5.42	2.28	459.2	-76.7	128.1
202	July 20	31.79	6.68	21.36	7.35	3.09	464.2	-85.3	123.3
203	July 21	29.35	6.29	19.52	2.52	1.56	460.1	-76.0	123.6
204	July 22	30.21	10.31	21.35	7.12	3.20	468.9	-85.7	127.6
205	July 23	27.59	9.76	19.27	4.42	2.35	458.0	-75.7	124.2
206	July 24	30.18	7.02	20.98	3.83	2.17	456.8	-66.3	124.6
207	July 25	32.00	10.08	22.34	3.52	1.71	450.7	-72.2	122.8
208	July 26	34.02	13.17	24.49	3.40	2.10	447.4	-68.8	117.0
209	July 27	35.70	14.06	26.22	2.62	1.65	440.6	-63.0	115.4
210	July 28	36.37	11.70	25.18	4.52	1.98	444.9	-64.7	117.8
211	July 29	35.74	13.17	25.16	5.58	2.23	441.7	-78.2	114.8
212	July 30	35.91	14.33	26.71	3.60	2.25	451.6	-83.2	109.0
213	July 31	36.61	16.61	28.12	4.75	2.40	445.1	-77.2	101.1
214	Aug. 1	37.21	13.64	28.20	5.70	2.15	452.4	-69.8	120.7
215	Aug. 2	37.24	12.74	26.92	8.34	2.56	455.7	-60.9	110.2
216	Aug. 3	35.18	13.01	25.06	6.54	2.75	468.4	-75.1	123.8
217	Aug. 4	34.61	8.19	22.65	5.64	2.46	466.4	-71.5	125.8
218	Aug. 5	34.32	7.92	22.87	3.68	1.82	445.4	-67.9	122.9
219	Aug. 6	33.69	11.20	23.13	3.90	2.01	453.5	-66.3	118.7
220	Aug. 7	33.99	6.63	22.07	6.06	2.30	450.6	-70.2	123.5

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1992—Continued					
221	Aug. 8	34.04	10.69	23.93	6.27	2.62	456.9	-68.9	123.8
222	Aug. 9	34.60	9.63	24.07	3.28	1.68	445.8	-71.4	114.4
223	Aug. 10	36.46	11.47	25.88	4.07	1.86	439.3	-73.8	112.5
224	Aug. 11	37.41	16.70	28.83	4.26	2.42	429.9	-79.7	102.5
225	Aug. 12	37.81	16.83	29.21	5.56	2.82	440.1	-67.4	102.8
226	Aug. 13	36.33	21.36	28.40	5.47	2.72	454.4	-45.9	97.4
227	Aug. 14	35.08	20.03	26.97	5.86	2.29	428.9	-37.1	107.9
228	Aug. 15	31.99	16.95	22.86	7.34	2.37	497.1	-24.5	87.4
229	Aug. 16	30.46	14.21	22.20	5.11	1.86	516.3	-51.8	144.9
230	Aug. 17	32.99	11.92	23.70	2.97	1.53	470.9	-57.1	120.4
231	Aug. 18	35.83	15.41	26.76	6.20	2.26	452.8	-62.7	119.2
232	Aug. 19	36.36	16.61	25.96	6.57	2.45	445.1	-73.4	117.4
233	Aug. 20	33.84	10.53	22.61	5.42	2.05	448.3	-73.2	113.0
234	Aug. 21	32.46	10.55	22.49	6.98	3.34	446.0	-67.5	113.0
235	Aug. 22	24.03	5.90	17.00	6.05	3.19	484.2	-82.3	107.6
236	Aug. 23	21.48	4.23	13.04	4.23	1.87	479.2	-71.5	113.1
237	Aug. 24	22.23	2.76	13.85	2.65	1.72	413.9	-57.3	88.8
238	Aug. 25	24.45	-1.59	13.34	5.24	2.35	456.6	-83.8	111.1
239	Aug. 26	26.57	-1.49	12.44	2.22	1.38	444.0	-75.9	103.3
240	Aug. 27	30.48	-2.08	15.09	3.32	1.61	434.6	-73.2	107.8
241	Aug. 28	31.48	1.87	17.90	3.78	1.76	431.8	-62.8	106.3
242	Aug. 29	29.02	12.05	20.68	7.30	2.02	424.1	-48.4	71.3
243	Aug. 30	28.63	5.91	18.64	6.98	2.43	446.1	-55.6	91.9
244	Aug. 31	25.91	10.57	18.15	4.20	2.15	467.3	-53.9	87.7
245	Sept. 1	26.60	8.79	17.34	6.49	1.93	463.8	-56.3	86.6
246	Sept. 2	28.34	5.93	17.86	3.65	1.85	430.2	-60.8	85.6
247	Sept. 3	26.09	10.87	18.02	5.65	2.73	453.4	-34.2	106.3
248	Sept. 4	19.42	8.46	13.59	4.42	2.33	532.7	-57.0	108.5
249	Sept. 5	23.59	5.15	14.14	5.32	2.12	537.7	-54.9	138.8
250	Sept. 6	21.07	3.58	13.36	4.88	2.18	487.5	-64.3	103.6
251	Sept. 7	23.80	5.44	13.91	4.25	1.91	452.3	-64.1	104.3
252	Sept. 8	27.55	1.73	15.63	4.89	2.15	459.2	-61.9	110.0
253	Sept. 9	27.54	5.47	17.58	2.12	1.36	441.4	-56.2	105.9
254	Sept. 10	31.27	7.09	20.18	3.29	1.75	430.3	-53.5	98.0
255	Sept. 11	29.08	12.63	21.30	5.70	2.51	447.4	-55.8	81.7
256	Sept. 12	25.62	4.64	17.08	6.15	2.96	447.0	-67.1	99.4
257	Sept. 13	19.71	-1.66	11.22	2.93	1.45	372.9	-56.2	66.3
258	Sept. 14	26.35	4.46	15.55	5.91	2.34	416.1	-56.4	90.6
259	Sept. 15	26.43	.74	13.95	3.38	1.50	418.4	-58.3	92.0
260	Sept. 16	28.95	.54	15.98	4.26	1.70	406.4	-49.8	97.1
261	Sept. 17	27.30	3.81	16.02	2.32	1.42	399.7	-54.6	91.5
262	Sept. 18	22.55	11.53	16.70	4.23	1.98	274.1	-54.7	43.2
263	Sept. 19	27.43	6.49	16.98	4.79	2.45	397.6	-57.1	83.8
264	Sept. 20	26.33	.86	14.36	3.16	1.47	403.4	-53.8	93.8
265	Sept. 21	28.72	3.18	16.19	2.06	1.14	400.6	-55.1	92.8

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1992—Continued					
266	Sept. 22	32.70	7.05	19.57	4.04	1.96	409.2	-56.5	91.6
267	Sept. 23	29.44	7.31	18.81	6.49	2.59	352.7	-55.1	72.9
268	Sept. 24	24.44	4.70	15.58	10.34	4.42	410.5	-69.7	85.9
269	Sept. 25	18.15	-6.19	7.65	2.31	1.37	397.6	-57.0	86.1
270	Sept. 26	23.30	-2.00	10.46	1.80	1.26	389.3	-57.6	85.1
271	Sept. 27	26.64	-1.17	13.22	2.06	1.29	380.5	-59.0	83.5
272	Sept. 28	28.63	5.63	16.26	2.92	1.62	383.4	-59.9	80.7
273	Sept. 29	31.62	6.19	19.12	4.15	2.16	381.3	-54.4	81.6
274	Sept. 30	31.26	7.91	21.17	6.30	2.86	389.6	-50.5	76.4
275	Oct. 1	29.91	9.17	21.25	6.20	3.44	394.4	-55.3	67.6
276	Oct. 2	23.18	.46	13.58	8.57	4.42	103.8	-56.8	4.3
277	Oct. 3	12.71	-2.87	5.53	4.54	1.73	291.6	-44.6	46.1
278	Oct. 4	17.78	-4.41	6.95	2.54	1.35	400.5	-51.7	92.8
279	Oct. 5	20.45	-1.79	8.40	2.76	1.31	382.4	-52.7	79.8
280	Oct. 6	18.32	-4.92	6.07	6.71	2.14	403.4	-64.9	81.0
281	Oct. 7	19.16	-7.82	6.12	2.16	1.22	367.8	-44.9	72.6
282	Oct. 8	22.60	-3.80	9.99	5.05	1.77	350.6	-39.8	65.2
283	Oct. 9	20.36	-2.55	9.60	4.18	1.87	378.4	-49.3	79.3
284	Oct. 10	23.06	-4.04	9.37	1.72	1.15	362.4	-47.4	75.3
285	Oct. 11	25.98	-2.21	11.37	1.58	1.08	357.6	-49.9	73.4
286	Oct. 12	28.12	-1.40	12.17	3.46	1.53	357.0	-49.4	73.5
287	Oct. 13	23.98	-.85	11.88	4.96	2.00	357.5	-56.8	70.9
288	Oct. 14	18.65	-3.92	7.89	4.04	1.60	333.2	-53.0	60.7
289	Oct. 15	18.32	-8.89	5.97	1.72	1.08	342.1	-38.0	65.3
290	Oct. 16	20.38	-.57	11.30	2.52	1.34	338.6	-53.9	66.4
291	Oct. 17	20.52	-5.30	7.07	2.98	1.34	339.1	-50.3	64.9
292	Oct. 18	21.62	1.56	11.20	2.63	1.32	295.6	-32.4	45.4
293	Oct. 19	22.61	-2.65	8.92	1.56	1.14	331.1	-41.2	61.2
294	Oct. 20	25.94	-.41	12.30	3.75	1.85	336.8	-44.9	63.0
295	Oct. 21	17.60	1.03	10.91	4.10	2.21	227.9	-47.4	17.3
296	Oct. 22	17.95	-4.42	6.00	1.76	1.11	330.4	-47.9	67.7
297	Oct. 23	20.41	-3.29	8.19	2.80	1.49	327.9	-47.6	61.7
298	Oct. 24	21.34	.68	11.35	4.60	2.04	284.8	-45.4	42.7
299	Oct. 25	21.01	2.99	11.58	1.93	1.24	307.1	-38.1	63.8
300	Oct. 26	20.49	2.83	10.19	2.51	1.13	246.4	-38.9	35.5
301	Oct. 27	19.97	1.04	9.98	4.48	1.47	270.6	-45.7	34.5
302	Oct. 28	15.93	.59	7.90	4.95	1.67	234.2	-30.9	40.6
303	Oct. 29	10.42	5.44	7.60	3.41	1.83	135.9	-25.1	15.0
304	Oct. 30	7.68	1.24	4.73	2.68	1.54	182.9	-37.6	21.1
305	Oct. 31	11.00	-.33	5.54	4.41	1.82	430.3	-25.5	67.7
306	Nov. 1	11.27	5.25	8.12	3.49	1.87	107.8	-16.0	21.6
307	Nov. 2	10.94	.89	7.60	6.33	4.32	186.0	-58.4	17.0
308	Nov. 3	7.01	-3.24	1.47	3.86	1.33	401.5	-61.2	64.5
309	Nov. 4	2.77	-4.16	-.46	1.96	1.09	118.3	-24.7	14.8
310	Nov. 5	9.23	-3.21	1.90	3.10	1.12	354.4	-46.8	64.8

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1992—Continued					
311	Nov. 6	11.66	-4.86	2.37	2.24	0.91	375.1	-40.2	74.8
312	Nov. 7	15.70	-1.47	4.94	7.44	2.46	384.4	-57.2	55.8
313	Nov. 8	7.44	-4.85	.07	5.57	1.65	269.7	-56.6	25.8
314	Nov. 9	5.08	-9.00	-2.12	5.09	1.91	369.2	-53.8	63.8
315	Nov. 10	2.59	-8.35	-3.09	2.45	1.35	370.6	-65.8	56.8
316	Nov. 11	6.44	-10.39	-3.33	2.12	1.03	367.3	-51.6	70.8
317	Nov. 12	12.17	-3.69	2.10	1.45	.94	345.7	-42.4	60.3
318	Nov. 13	14.10	-5.35	2.45	2.23	1.15	339.2	-42.0	55.1
319	Nov. 14	15.28	-2.38	3.90	2.10	1.30	334.3	-43.9	48.8
320	Nov. 15	15.21	-3.45	3.22	2.41	1.14	298.6	-43.1	47.2
321	Nov. 16	15.10	-4.76	3.14	1.23	.89	278.7	-42.7	50.1
322	Nov. 17	10.04	-4.83	.65	1.32	.90	246.8	-31.1	45.4
				1993					
19	Jan. 19	-.46	-5.53	-2.53	3.34	1.98	20.6	-17.1	.3
20	Jan. 20	4.38	-1.57	1.79	6.17	3.49	50.3	-16.8	4.6
21	Jan. 21	4.82	-7.56	1.36	5.04	2.15	68.4	-34.4	3.8
22	Jan. 22	4.48	-7.75	.30	13.46	7.25	75.6	-60.6	-8.8
23	Jan. 23	-5.48	-20.19	-10.45	5.32	2.40	70.2	-36.8	6.3
24	Jan. 24	-1.33	-13.77	-8.12	1.60	.98	62.7	-30.5	3.3
25	Jan. 25	-2.39	-14.41	-8.65	3.82	2.11	155.2	-38.5	9.2
26	Jan. 26	-3.95	-16.45	-9.70	4.18	2.24	56.4	-41.9	-7.2
27	Jan. 27	-3.91	-18.61	-11.37	2.76	1.58	136.4	-39.0	11.4
28	Jan. 28	-3.07	-16.81	-10.90	2.91	1.31	61.0	-29.0	6.7
29	Jan. 29	-2.90	-16.21	-8.62	1.87	.99	55.7	-18.9	4.4
30	Jan. 30	-3.98	-18.34	-11.95	1.26	.85	63.8	-20.3	2.5
31	Jan. 31	-2.89	-17.59	-10.56	1.88	1.08	78.5	-27.0	6.6
32	Feb. 1	-.76	-15.76	-9.58	.96	.70	79.2	-26.5	13.2
33	Feb. 2	-4.08	-17.54	-11.73	1.99	.94	87.7	-26.1	1.6
34	Feb. 3	-2.09	-14.73	-7.46	4.77	2.83	125.8	-22.5	13.6
35	Feb. 4	1.57	-9.08	-4.07	4.40	2.60	63.9	-39.4	-2.6
36	Feb. 5	.73	-9.87	-3.24	4.85	2.23	28.6	-29.6	-.4
37	Feb. 6	2.18	-4.13	-.33	3.18	1.73	55.2	-63.0	.0
38	Feb. 7	3.93	-6.43	-.91	5.70	2.55	133.6	-36.5	22.3
39	Feb. 8	5.66	1.93	3.43	6.12	2.98	55.2	-33.2	3.2
40	Feb. 9	2.52	.44	1.20	4.04	1.85	36.7	-33.4	3.4
41	Feb. 10	3.95	-.37	1.45	3.66	2.11	143.2	-31.2	17.8
42	Feb. 11	4.30	-7.61	-1.09	2.81	1.67	101.4	-34.8	15.7
43	Feb. 12	2.66	-11.32	-4.99	1.33	.86	138.4	-37.4	24.8
44	Feb. 13	-.93	-10.39	-6.62	3.94	2.11	155.9	-49.7	24.7
45	Feb. 14	-3.57	-15.00	-9.66	1.96	1.38	175.5	-45.4	24.8
46	Feb. 15	-2.29	-12.21	-7.70	2.50	1.39	84.5	-22.3	17.2
47	Feb. 16	-3.82	-12.23	-7.13	5.67	1.96	67.9	-31.5	1.0
48	Feb. 17	1.27	-7.89	-3.01	4.74	2.22	68.5	-23.4	9.1
49	Feb. 18	6.42	.27	3.34	5.30	2.29	114.5	-39.8	8.9
50	Feb. 19	6.07	.66	3.39	4.42	2.75	131.6	-42.1	16.5
51	Feb. 20	1.58	-4.39	-.85	6.69	3.99	153.4	-43.0	8.7

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1993—Continued					
52	Feb. 21	1.58	-4.17	-1.31	8.51	4.23	128.6	-39.0	7.4
53	Feb. 22	1.34	-2.33	-.88	3.11	1.59	103.5	-20.4	11.8
54	Feb. 23	2.70	-4.03	-1.37	4.36	1.40	156.3	-38.2	-9.2
55	Feb. 24	-.13	-6.40	-2.48	5.30	2.73	126.8	-52.8	66.8
56	Feb. 25	-4.70	-25.39	-14.26	2.64	1.28	505.5	-59.6	103.4
57	Feb. 26	-3.05	-16.39	-7.71	6.74	3.67	505.3	-43.4	82.0
58	Feb. 27	-1.50	-16.26	-9.06	5.05	1.37	587.9	-72.2	103.9
59	Feb. 28	.05	-19.52	-10.65	1.24	.82	631.0	-55.4	119.6
60	Mar. 1	2.40	-18.66	-8.53	1.61	.86	648.3	-50.8	123.4
61	Mar. 2	5.96	-9.78	-1.91	2.34	.94	472.4	-62.0	46.8
62	Mar. 3	3.86	-2.48	.92	2.88	1.75	78.7	-51.8	4.6
63	Mar. 4	4.40	-9.18	-1.33	2.48	1.41	239.0	-38.5	44.6
64	Mar. 5	7.79	-2.86	1.65	1.84	1.06	281.8	-53.3	46.3
65	Mar. 6	5.98	-5.72	-.15	4.36	1.76	286.2	-60.1	63.7
66	Mar. 7	5.92	-4.28	.21	4.18	1.98	293.5	-58.7	78.3
67	Mar. 8	8.82	-4.30	2.03	3.40	1.96	378.7	-53.2	65.7
68	Mar. 9	7.48	-2.69	2.65	3.19	1.65	170.2	-54.5	26.2
69	Mar. 10	10.48	-.71	4.26	2.54	1.56	407.9	-54.5	77.7
70	Mar. 11	7.66	-1.89	3.63	4.30	2.36	559.7	-84.8	124.4
71	Mar. 12	4.44	-3.31	.59	4.03	2.33	408.8	-77.2	46.4
72	Mar. 13	11.31	.51	4.90	3.19	1.60	544.3	-33.4	84.8
73	Mar. 14	10.23	3.73	5.83	3.73	1.74	221.2	-35.5	30.3
74	Mar. 15	11.59	3.87	7.46	6.24	3.17	467.8	-46.7	81.5
75	Mar. 16	10.59	2.51	7.14	4.04	1.42	269.0	-44.3	49.2
76	Mar. 17	16.40	6.20	10.00	6.99	2.81	515.7	-65.9	100.8
77	Mar. 18	13.12	3.42	8.52	3.84	2.13	450.8	-61.1	75.7
78	Mar. 19	15.50	-.40	7.86	3.85	1.61	472.3	-50.2	115.4
79	Mar. 20	14.57	2.60	9.20	4.98	2.55	624.2	-68.8	123.3
80	Mar. 21	14.72	-.85	6.52	3.22	1.40	566.4	-73.2	129.1
81	Mar. 22	20.11	.69	9.95	3.41	1.94	510.9	-67.4	113.2
82	Mar. 23	20.33	.97	10.59	6.06	2.47	487.8	-62.3	86.8
83	Mar. 24	14.43	4.35	8.60	3.16	1.46	484.0	-37.0	67.6
84	Mar. 25	11.95	4.19	8.19	5.08	1.87	174.8	-51.5	30.9
85	Mar. 26	15.47	1.26	7.98	6.52	2.36	411.8	-52.6	91.8
86	Mar. 27	11.99	2.85	6.93	4.62	1.56	493.5	-61.5	86.2
87	Mar. 28	13.27	4.44	8.56	5.15	1.89	594.4	-64.8	87.5
88	Mar. 29	13.59	-1.87	6.66	4.10	1.72	440.6	-64.8	91.3
89	Mar. 30	12.65	-1.75	6.28	3.64	1.51	499.0	-63.0	89.0
90	Mar. 31	16.96	-1.24	8.52	3.26	1.50	483.0	-55.7	110.8
91	Apr. 1	10.76	2.10	6.63	6.48	2.73	365.9	-53.8	40.3
92	Apr. 2	10.16	1.17	5.52	4.70	2.16	604.7	-55.8	98.6
93	Apr. 3	16.60	.86	8.88	4.01	2.02	499.6	-38.7	113.5
94	Apr. 4	13.59	3.89	8.47	7.85	3.11	465.5	-64.9	81.4
95	Apr. 5	5.54	-.47	2.61	4.36	1.93	442.3	-65.6	79.3
96	Apr. 6	9.67	-2.70	3.58	2.62	1.41	434.7	-67.3	99.0

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1993—Continued					
97	Apr. 7	12.86	-2.83	5.15	3.04	1.41	453.2	-69.6	97.6
98	Apr. 8	20.38	.19	10.34	5.78	2.76	410.3	-58.4	84.9
99	Apr. 9	12.78	2.15	8.16	6.44	3.07	282.4	-68.2	51.9
100	Apr. 10	12.47	-2.84	5.32	6.18	2.99	394.7	-60.4	87.4
101	Apr. 11	5.63	-2.33	1.56	4.64	2.47	551.7	-74.6	77.3
102	Apr. 12	8.00	-4.84	.99	4.89	2.11	392.4	-74.0	102.8
103	Apr. 13	10.68	-6.13	3.34	3.46	1.70	481.0	-66.7	99.5
104	Apr. 14	14.83	-4.32	6.69	3.58	1.61	496.8	-58.2	125.4
105	Apr. 15	15.24	5.38	9.54	4.54	2.12	339.3	-66.0	68.2
106	Apr. 16	16.36	-2.30	8.64	5.67	2.37	524.5	-69.2	102.7
107	Apr. 17	17.63	-.16	9.83	7.59	3.20	412.3	-57.1	52.5
108	Apr. 18	10.01	.98	5.98	7.26	4.45	447.0	-75.7	96.0
109	Apr. 19	12.67	-6.03	4.15	2.11	1.33	468.7	-79.0	105.7
110	Apr. 20	20.22	-2.37	10.22	4.59	1.87	413.4	-69.8	87.2
111	Apr. 21	20.87	3.63	13.45	2.55	1.51	456.1	-51.7	92.0
112	Apr. 22	17.03	4.81	12.35	6.70	4.05	468.4	-73.3	79.5
113	Apr. 23	10.03	-5.10	3.88	4.88	1.86	348.7	-67.9	43.3
114	Apr. 24	13.33	2.63	7.52	4.16	2.43	508.8	-69.8	89.8
115	Apr. 25	18.18	.06	11.20	5.42	2.65	407.3	-54.5	89.1
116	Apr. 26	15.16	.92	9.78	5.99	3.32	507.7	-80.4	102.3
117	Apr. 27	15.56	-2.77	7.22	3.36	1.84	452.5	-79.0	105.1
118	Apr. 28	18.80	-2.00	8.82	2.26	1.43	447.5	-69.2	102.2
119	Apr. 29	20.62	.17	11.49	6.94	2.98	481.2	-72.2	104.7
120	Apr. 30	16.62	.33	9.57	6.64	2.98	421.0	-77.4	99.6
121	May 1	18.26	-4.16	8.34	2.31	1.36	450.9	-63.7	103.9
122	May 2	19.71	3.66	11.87	4.74	1.89	391.8	-45.2	80.2
123	May 3	19.80	3.34	11.36	11.84	3.75	285.4	-39.4	65.4
124	May 4	9.08	2.15	4.83	6.53	3.64	299.2	-22.8	73.1
125	May 5	12.61	2.83	7.47	3.42	2.12	363.8	-61.7	80.7
126	May 6	13.98	2.59	7.50	5.41	2.47	425.2	-35.9	76.9
127	May 7	14.24	3.10	8.67	5.96	2.46	614.3	-44.8	171.8
128	May 8	12.12	1.39	6.69	6.24	3.06	507.1	-72.7	127.2
129	May 9	20.34	-1.21	10.31	2.03	1.23	532.1	-71.9	132.5
130	May 10	28.37	9.77	19.45	7.58	3.99	535.6	-85.2	132.6
131	May 11	30.45	11.28	21.91	8.64	4.55	504.6	-74.7	123.6
132	May 12	27.16	13.50	21.38	10.25	5.31	481.9	-70.7	107.2
133	May 13	28.86	15.88	21.29	6.62	4.70	502.4	-69.4	114.0
134	May 14	28.34	10.93	19.90	3.98	2.28	488.1	-74.6	122.3
135	May 15	25.48	9.06	17.74	3.65	1.62	349.9	-63.1	75.1
136	May 16	26.34	11.66	19.20	4.46	2.22	465.4	-62.5	103.4
137	May 17	27.19	7.98	18.96	3.36	1.90	467.5	-73.8	117.4
138	May 18	27.06	15.30	19.67	4.75	2.28	440.9	-50.4	69.3
139	May 19	28.78	8.87	19.66	2.86	1.56	475.5	-62.4	121.7
140	May 20	27.87	6.92	18.94	6.11	2.86	474.9	-75.4	128.4
141	May 21	22.41	10.68	16.51	5.19	2.99	481.4	-71.4	125.5

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1993—Continued					
142	May 22	22.08	2.01	13.71	3.19	1.63	500.9	-76.5	119.5
143	May 23	26.76	2.08	16.88	3.63	1.67	470.2	-62.6	127.4
144	May 24	29.08	9.88	21.01	3.41	2.17	469.8	-80.0	116.2
145	May 25	26.97	9.89	18.55	7.70	3.75	527.5	-72.1	80.0
146	May 26	27.11	3.03	16.44	5.20	2.68	494.3	-89.4	120.7
147	May 27	25.06	5.59	16.96	4.29	2.22	480.0	-72.5	117.3
148	May 28	23.14	2.94	14.42	6.26	2.30	424.0	-72.5	87.0
149	May 29	23.60	2.38	14.64	2.26	1.42	471.8	-65.8	119.6
150	May 30	27.00	7.60	18.75	4.20	1.81	400.5	-64.2	93.0
151	May 31	24.77	5.72	14.12	8.36	2.30	280.1	-52.8	42.2
152	June 1	21.54	3.29	12.71	3.68	1.66	528.6	-78.6	136.4
153	June 2	18.81	7.65	12.52	7.26	3.06	508.1	-63.3	92.8
154	June 3	18.35	5.53	11.90	4.19	2.40	491.1	-64.3	126.5
155	June 4	14.50	5.91	11.40	5.74	2.61	227.0	-40.0	56.9
156	June 5	8.65	4.85	7.06	4.47	2.23	204.9	-28.0	36.6
157	June 6	10.88	4.15	6.94	6.83	3.52	611.0	-26.5	86.9
158	June 7	14.88	3.45	6.94	5.54	3.36	446.9	-63.6	115.2
159	June 8	17.42	-.75	9.53	2.54	1.43	576.3	-70.6	172.7
160	June 9	22.40	.55	12.88	2.08	1.32	554.9	-61.4	156.5
161	June 10	25.79	6.83	16.14	6.85	2.05	537.9	-63.0	92.6
162	June 11	23.30	4.68	15.13	7.02	3.89	532.8	-76.4	147.4
163	June 12	19.36	2.30	11.18	2.68	1.66	504.3	-81.4	133.3
164	June 13	27.04	7.66	17.31	3.32	1.86	490.9	-69.0	132.5
165	June 14	31.22	6.46	21.04	5.37	2.20	469.5	-66.8	135.2
166	June 15	27.39	11.96	20.59	6.35	3.39	503.3	-81.8	139.6
167	June 16	15.19	6.24	10.66	4.60	2.11	299.9	-63.1	53.2
168	June 17	22.85	8.41	15.52	4.31	2.21	508.4	-62.3	151.6
169	June 18	26.47	3.93	17.05	2.36	1.45	514.1	-70.9	145.8
170	June 19	31.52	8.60	21.16	3.28	1.62	504.9	-74.2	140.2
171	June 20	31.73	11.68	21.62	6.53	2.54	508.3	-55.4	113.3
172	June 21	27.61	10.66	18.13	7.28	2.26	476.0	-64.8	107.1
173	June 22	23.43	8.05	16.25	4.11	2.50	492.1	-80.0	130.8
174	June 23	20.67	7.51	13.49	5.30	2.92	494.3	-84.3	132.9
175	June 24	25.56	-.22	14.32	3.21	1.81	486.9	-75.8	134.6
176	June 25	30.51	4.89	19.54	2.51	1.49	482.3	-73.8	133.8
177	June 26	34.26	6.56	22.78	5.23	2.10	475.8	-55.1	136.9
178	June 27	33.11	18.76	25.87	6.29	2.88	486.6	-74.0	133.7
179	June 28	28.50	8.51	20.42	8.06	3.97	507.2	-74.6	138.3
180	June 29	25.22	4.39	16.10	4.34	2.21	479.8	-76.7	131.1
181	June 30	28.19	5.76	17.97	3.37	1.88	471.7	-76.6	130.9
182	July 1	30.99	7.44	20.51	5.06	2.21	473.2	-73.9	133.4
183	July 2	28.58	5.90	16.69	9.58	3.73	399.9	-59.9	95.6
184	July 3	22.73	-1.35	13.35	2.93	1.63	498.9	-63.7	137.0
185	July 4	22.78	7.37	16.23	4.19	2.39	460.9	-71.2	114.4
186	July 5	27.79	1.32	16.75	5.06	2.27	480.1	-85.5	134.8
187	July 6	28.76	2.12	17.33	4.14	1.92	480.7	-83.7	131.3
188	July 7	29.45	1.55	18.23	5.48	2.53	484.0	-82.3	130.9
189	July 8	28.72	2.20	18.01	3.76	1.82	469.1	-77.2	128.2
190	July 9	32.75	5.46	21.05	5.32	2.44	487.4	-70.9	135.4
191	July 10	30.49	7.16	21.08	4.15	2.13	473.7	-84.8	129.3

Table 1. Summary of air temperature, windspeed, and net radiation values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Air temperature, in degrees Celsius			Windspeed[1], in meters per second		Net radiation, in watts per square meter		
		Maximum	Minimum	Mean	Maximum	Mean	Maximum	Minimum	Mean
				1993—Continued					
192	July 11	32.73	5.85	21.89	5.54	2.42	481.7	-79.4	129.6
193	July 12	27.12	7.37	19.39	4.77	2.59	481.6	-81.2	127.6
194	July 13	28.34	5.00	18.48	5.43	2.60	466.5	-73.5	127.8
195	July 14	27.79	4.74	18.34	6.29	2.56	473.0	-75.4	127.6
196	July 15	24.64	3.75	16.37	5.94	3.06	492.6	-60.7	130.6
197	July 16	23.99	4.81	16.08	3.78	1.84	477.7	-74.4	125.9
198	July 17	26.24	1.54	15.58	6.04	2.49	489.9	-76.9	131.8
199	July 18	29.60	6.58	19.36	3.11	1.98	456.2	-70.6	122.5
200	July 19	30.89	5.57	20.15	6.11	2.31	452.6	-74.6	122.8
201	July 20	26.30	7.77	18.91	4.38	2.21	441.5	-68.8	109.3
202	July 21	25.79	10.47	19.37	3.56	2.29	468.5	-59.4	123.9
203	July 22	22.51	12.52	18.41	4.33	2.16	342.7	-33.5	68.6
204	July 23	19.02	11.99	15.68	4.37	2.20	495.1	-51.9	84.4
205	July 24	25.15	4.45	15.83	2.61	1.37	529.9	-64.5	159.8
206	July 25	28.97	7.12	18.79	5.65	2.72	516.2	-53.8	136.4
207	July 26	24.42	6.21	16.48	2.77	1.71	493.8	-70.1	126.6
208	July 27	29.62	5.90	19.34	2.44	1.51	473.2	-64.2	126.5
209	July 28	36.93	10.37	25.09	5.68	2.68	485.4	-70.5	128.7
210	July 29	33.39	9.64	23.50	5.82	2.95	478.0	-74.0	126.2
211	July 30	33.03	7.74	21.95	4.88	1.92	458.6	-74.1	122.9
212	July 31	34.04	8.25	22.55	3.68	1.76	453.7	-73.5	124.6
213	Aug. 1	34.23	7.92	23.72	3.48	1.76	453.8	-72.4	120.8
214	Aug. 2	33.80	8.01	22.56	3.56	1.56	451.2	-53.9	91.5
215	Aug. 3	34.66	16.49	26.78	4.45	2.28	415.5	-57.2	80.8
222	Aug. 10	31.30	7.01	20.41	6.33	2.28	462.7	-38.3	113.0
223	Aug. 11	27.90	7.69	19.58	5.46	2.57	458.6	-65.9	109.4
224	Aug. 12	25.16	8.50	18.00	5.80	2.40	457.9	-58.6	99.0
225	Aug. 13	28.36	3.63	17.21	2.91	1.54	447.6	-64.1	116.1
226	Aug. 14	31.10	9.49	21.35	6.80	2.35	457.2	-40.2	104.1
227	Aug. 15	21.68	10.62	16.25	6.75	2.46	189.1	-43.1	33.0
228	Aug. 16	22.90	3.07	13.85	4.80	2.27	472.9	-64.2	121.0
229	Aug. 17	27.84	2.66	16.43	3.60	1.79	420.1	-60.7	100.4
230	Aug. 18	30.54	14.46	22.01	5.07	2.49	435.0	-57.4	79.0
231	Aug. 19	33.41	11.52	23.89	6.35	3.00	452.7	-54.4	104.1
232	Aug. 20	26.74	11.21	20.05	6.96	2.64	432.9	-43.5	80.0
233	Aug. 21	26.42	4.05	17.93	3.45	2.03	437.0	-65.2	111.5
234	Aug. 22	29.07	6.35	19.50	3.19	1.55	448.7	-65.5	111.5
235	Aug. 23	32.56	7.11	21.02	5.79	2.38	456.8	-70.3	114.9
236	Aug. 24	28.34	5.18	18.54	5.34	2.58	445.0	-71.8	111.2
237	Aug. 25	24.44	6.39	15.70	5.49	2.37	439.9	-72.0	109.4
238	Aug. 26	26.81	-.89	14.06	2.92	1.51	405.8	-77.2	92.4
239	Aug. 27	29.41	1.74	16.90	4.32	1.85	402.0	-75.8	94.1
240	Aug. 28	31.86	1.38	18.74	4.91	2.52	398.4	-70.7	95.7
241	Aug. 29	23.91	8.84	16.65	4.62	2.65	378.8	-69.3	72.9
242	Aug. 30	27.47	10.34	19.28	5.44	2.92	421.6	-53.1	101.8
243	Aug. 31	29.41	10.15	20.64	2.92	1.64	441.9	-58.2	110.4

[1] All minimum windspeed values equal zero.

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993

[Data are from 60-minute averages; --, no data available]

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1992					
158	June 6	--	--	--	--	--	--	47.11	9.62	21.66
159	June 7	--	--	--	--	--	--	47.85	5.67	21.68
160	June 8	--	--	--	--	--	--	52.40	10.94	23.70
161	June 9	--	--	--	--	--	--	52.24	9.17	23.40
162	June 10	--	--	--	--	--	--	50.71	8.25	23.12
163	June 11	--	--	--	--	--	--	55.51	7.73	22.63
164	June 12	--	--	--	--	--	--	33.94	.29	10.84
165	June 13	--	--	--	--	--	--	41.08	-2.16	11.51
166	June 14	--	--	--	--	--	--	11.43	4.05	7.22
167	June 15	--	--	--	--	--	--	24.10	1.18	11.13
168	June 16	--	--	--	--	--	--	28.56	3.26	13.67
169	June 17	--	--	--	--	--	--	47.66	4.19	18.98
170	June 18	--	--	--	--	--	--	39.98	8.24	18.98
171	June 19	--	--	--	--	--	--	46.59	5.11	18.46
190	July 8	42.60	7.1	19.62	0.51	0.26	0.40	50.73	4.56	21.61
191	July 9	46.14	11.0	22.67	.56	.41	.49	53.05	5.17	22.49
192	July 10	44.77	7.5	23.33	.64	.35	.52	52.28	6.43	23.24
193	July 11	91.30	16.6	43.61	1.47	.66	.97	51.51	13.80	23.15
194	July 12	96.20	15.6	50.91	1.45	.53	.96	51.74	9.97	21.31
195	July 13	48.78	19.4	33.39	1.01	.47	.73	45.69	7.03	21.58
196	July 14	52.00	13.7	29.28	.87	.53	.71	56.13	8.13	24.90
197	July 15	48.47	10.4	26.27	1.02	.50	.71	55.83	11.88	26.00
198	July 16	50.26	7.3	23.16	.76	.36	.52	56.57	7.13	24.61
199	July 17	34.77	9.2	19.20	.95	.42	.59	53.70	10.73	27.55
200	July 18	53.53	9.8	29.71	1.01	.51	.79	56.98	13.55	26.21
201	July 19	48.34	7.6	23.41	.74	.35	.57	54.15	10.83	25.03
202	July 20	38.74	3.8	19.92	.77	.18	.44	52.25	6.28	23.26
203	July 21	59.50	11.4	30.04	.77	.41	.58	53.43	5.64	21.72
204	July 22	37.79	5.1	20.14	.76	.22	.45	51.70	7.73	23.05
205	July 23	58.47	13.2	30.83	.81	.42	.62	50.70	7.53	21.50
	July 24	46.83	10.5	24.15	.65	.35	.53	54.11	6.90	23.31
206										
207	July 25	41.62	8.0	20.61	.66	.35	.49	55.55	8.16	23.84
208	July 26	38.58	4.7	17.88	.70	.25	.46	56.80	10.84	26.37
209	July 27	27.17	4.5	13.60	.52	.26	.39	59.20	11.43	27.59
210	July 28	28.89	6.2	15.52	.50	.36	.43	59.38	8.98	26.46
	July 29	31.54	4.4	15.52	.57	.24	.41	58.07	10.44	26.41
211										
212	July 30	23.16	4.4	11.33	.41	.26	.34	57.49	10.17	28.31
213	July 31	22.79	7.7	14.33	.78	.38	.53	59.38	11.36	29.50
214	Aug. 1	40.68	9.5	21.68	.98	.60	.74	59.71	12.42	29.88
215	Aug. 2	47.06	9.9	24.77	.89	.61	.78	59.78	11.50	28.47
216	Aug. 3	40.72	4.6	18.48	.83	.22	.47	55.25	10.67	26.11

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1992—Continued					
217	Aug. 4	25.84	7.2	14.16	0.44	0.27	0.35	55.41	6.76	23.90
218	Aug. 5	23.81	5.8	13.34	.42	.25	.33	56.62	6.22	24.53
219	Aug. 6	33.78	7.5	18.81	.64	.34	.48	56.06	7.84	24.60
220	Aug. 7	30.37	8.8	17.87	.58	.30	.43	56.39	6.11	23.77
	Aug. 8	45.74	6.2	21.30	.74	.33	.54	55.21	9.02	25.46
221										
222	Aug. 9	42.02	7.4	19.94	.61	.40	.51	56.65	7.95	26.00
223	Aug. 10	32.55	4.7	16.17	.58	.28	.45	57.54	8.62	27.58
224	Aug. 11	24.08	3.5	10.41	.47	.23	.35	57.47	12.67	30.82
225	Aug. 12	25.41	4.3	12.21	.93	.28	.47	59.04	14.56	31.08
	Aug. 13	34.62	11.4	24.78	1.13	.69	.91	58.57	20.31	30.53
226										
227	Aug. 14	62.79	14.4	35.12	1.81	.81	1.15	54.53	20.14	29.25
228	Aug. 15	95.65	26.2	61.17	1.85	1.24	1.60	52.90	17.78	24.97
229	Aug. 16	98.01	28.5	62.85	1.90	1.22	1.53	44.97	13.75	24.22
230	Aug. 17	89.63	17.6	45.37	1.43	.86	1.13	51.68	11.14	25.86
	Aug. 18	58.59	11.0	29.62	1.14	.63	.91	55.12	13.35	28.84
231										
232	Aug. 19	50.12	6.3	25.54	1.00	.36	.73	55.87	13.81	27.27
233	Aug. 20	41.29	8.1	21.02	.63	.38	.50	52.87	9.00	24.31
234	Aug. 21	41.14	8.1	20.91	.61	.37	.50	50.42	9.02	24.22
235	Aug. 22	37.49	7.7	18.91	.48	.20	.33	42.09	4.82	18.71
	Aug. 23	54.27	8.6	28.82	.56	.21	.40	44.14	1.48	14.46
236										
237	Aug. 24	49.01	11.3	24.96	.43	.24	.36	42.49	1.01	15.30
238	Aug. 25	34.03	5.8	15.84	.25	.14	.20	44.87	-3.04	14.33
239	Aug. 26	28.29	2.4	13.62	.21	.08	.14	45.03	-5.27	13.01
240	Aug. 27	22.22	2.6	9.71	.17	.08	.12	49.95	-4.16	15.76
	Aug. 28	21.32	4.0	11.36	.34	.13	.20	50.75	-.02	18.98
241										
242	Aug. 29	54.11	12.9	22.10	1.08	.34	.52	44.61	8.93	22.36
243	Aug. 30	71.61	7.9	40.41	1.01	.31	.74	48.07	5.62	20.89
244	Aug. 31	59.92	20.6	42.22	1.01	.69	.83	47.56	9.79	20.20
245	Sept.. 1	72.26	17.0	42.45	1.02	.58	.76	47.65	6.91	18.96
	Sept. 2	62.17	15.0	34.64	.73	.54	.62	47.37	3.39	18.72
246										
247	Sept. 3	94.63	17.2	39.75	1.30	.50	.72	43.47	7.49	19.48
248	Sept. 4	97.30	40.6	75.76	1.28	.92	1.13	24.00	7.12	14.88
249	Sept. 5	94.38	19.5	57.50	.98	.56	.80	29.28	4.90	15.56
250	Sept. 6	91.29	24.1	50.37	.86	.50	.70	34.41	2.13	14.48
	Sept. 7	66.12	16.0	36.78	.73	.45	.53	37.19	3.01	15.39
251										
252	Sept. 8	80.60	11.9	40.80	.73	.43	.57	40.64	1.35	16.88
253	Sept. 9	76.52	18.9	40.83	.85	.58	.74	43.18	3.93	18.53
254	Sept. 10	59.87	9.5	28.21	.69	.43	.56	45.38	4.52	21.30
255	Sept. 11	50.12	11.4	25.75	.78	.37	.58	42.45	11.89	22.48
256	Sept. 12	64.59	15.7	31.96	.74	.28	.57	40.47	4.43	18.34

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1992—Continued					
257	Sept. 13	52.86	9.9	25.09	0.34	0.22	0.29	36.22	-2.93	11.75
258	Sept. 14	40.89	4.3	18.82	.34	.15	.27	42.23	3.10	16.53
259	Sept. 15	44.65	6.4	22.41	.40	.20	.29	42.18	-.39	14.74
260	Sept. 16	39.58	7.5	22.88	.53	.24	.38	44.15	-1.24	16.62
	Sept. 17	49.91	9.3	26.01	.46	.34	.40	43.78	2.36	16.74
261										
262	Sept. 18	70.34	22.3	37.05	1.00	.48	.69	34.16	8.15	17.57
263	Sept. 19	90.06	12.7	45.67	1.06	.44	.75	39.01	3.63	17.76
264	Sept. 20	56.38	15.0	33.10	.63	.35	.49	42.36	.43	15.31
265	Sept. 21	56.36	14.7	33.54	.79	.42	.56	44.91	2.53	17.38
	Sept. 22	53.12	8.8	28.03	.64	.43	.53	45.07	4.44	20.13
266										
267	Sept. 23	44.56	9.6	25.85	.67	.40	.50	39.86	6.13	19.62
268	Sept. 24	48.99	12.0	30.07	.60	.37	.50	35.99	1.44	15.53
269	Sept. 25	64.33	19.3	39.74	.48	.24	.38	34.32	-5.67	8.64
270	Sept. 26	59.38	13.3	32.52	.45	.29	.36	37.92	-3.53	11.31
	Sept. 27	48.04	10.2	26.28	.41	.27	.34	41.28	-2.22	14.00
271										
272	Sept. 28	44.75	7.1	23.50	.48	.27	.37	42.23	2.37	16.52
273	Sept. 29	33.27	6.2	17.76	.43	.27	.33	43.12	1.26	19.22
274	Sept. 30	36.18	9.2	20.85	.56	.39	.48	41.60	5.54	21.90
275	Oct. 1	42.15	9.4	22.05	.57	.40	.49	41.72	5.51	21.93
	Oct. 2	93.56	17.4	51.88	1.07	.42	.68	25.51	.33	14.07
276										
277	Oct. 3	94.81	47.2	73.76	.77	.46	.65	19.40	-2.40	6.82
278	Oct. 4	93.36	36.2	67.98	.80	.41	.65	29.60	-4.86	8.34
279	Oct. 5	91.00	21.7	56.39	.77	.38	.56	33.44	-2.91	9.31
280	Oct. 6	66.47	7.9	38.16	.58	.16	.31	27.34	-6.14	6.25
	Oct. 7	45.96	3.3	20.84	.21	.07	.15	31.49	-10.40	6.47
281										
282	Oct. 8	28.13	6.8	16.20	.26	.13	.18	33.72	-5.03	10.34
283	Oct. 9	49.50	21.7	31.67	.53	.17	.39	31.18	-3.73	9.65
284	Oct. 10	63.19	16.9	38.15	.51	.29	.40	34.83	-4.81	10.20
285	Oct. 11	52.45	11.4	31.00	.51	.26	.37	37.17	-3.40	11.70
	Oct. 12	46.73	7.8	26.36	.43	.25	.32	37.44	-3.60	12.34
286										
287	Oct. 13	46.96	11.7	26.44	.56	.20	.34	34.27	-2.45	11.96
288	Oct. 14	60.72	16.1	36.70	.56	.18	.37	31.14	-5.36	7.72
289	Oct. 15	42.13	7.6	22.80	.24	.13	.18	29.82	-10.33	6.78
290	Oct. 16	35.68	13.6	22.23	.36	.21	.29	33.30	-2.28	12.21
	Oct. 17	47.20	13.8	30.22	.42	.18	.28	31.47	-5.99	7.72
291										
292	Oct. 18	46.12	15.6	28.51	.42	.26	.36	32.16	-2.12	11.54
293	Oct. 19	55.29	14.2	32.64	.45	.23	.34	32.96	-4.44	9.46
294	Oct. 20	47.44	9.0	26.81	.40	.27	.33	32.94	-2.86	12.35
295	Oct. 21	87.59	22.4	45.00	.91	.29	.58	24.48	-.11	11.61
296	Oct. 22	91.77	21.4	56.59	.72	.31	.48	28.88	-5.70	6.52

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1992—Continued					
297	Oct. 23	64.85	17.1	39.61	0.56	0.28	0.40	30.02	-5.00	8.38
298	Oct. 24	65.40	25.3	41.67	.78	.27	.56	29.37	-2.26	11.61
299	Oct. 25	72.09	29.7	51.24	.80	.50	.67	30.93	1.26	12.40
300	Oct. 26	71.13	30.2	49.88	.78	.45	.60	26.92	.61	10.90
	Oct. 27	84.01	28.5	56.63	.80	.39	.66	25.16	.35	10.84
301										
302	Oct. 28	95.88	44.8	70.77	1.01	.48	.75	23.70	.35	9.44
303	Oct. 29	97.22	80.9	92.77	1.07	.87	.97	13.33	5.20	8.90
304	Oct. 30	97.45	75.7	90.78	.94	.65	.78	10.63	.83	6.00
305	Oct. 31	96.47	53.3	81.56	.83	.57	.73	15.35	.29	6.99
	Nov. 1	97.32	78.8	90.29	1.11	.82	.98	12.78	6.76	9.48
306										
307	Nov. 2	90.84	46.7	69.89	1.06	.47	.75	10.02	-.67	8.19
308	Nov. 3	93.32	45.2	71.62	.53	.44	.47	11.83	-2.21	2.54
309	Nov. 4	94.73	80.6	88.22	.61	.41	.53	3.95	-2.93	1.16
310	Nov. 5	96.08	58.3	83.80	.69	.46	.58	13.32	-.92	3.12
	Nov. 6	93.55	43.0	78.91	.69	.39	.56	15.08	-3.25	3.75
311										
312	Nov. 7	93.41	40.0	67.79	.72	.43	.57	16.84	-1.76	5.76
313	Nov. 8	91.34	44.4	75.96	.53	.38	.46	6.34	-3.65	1.44
314	Nov. 9	89.29	38.9	73.95	.46	.27	.38	7.92	-7.96	-.59
315	Nov. 10	90.70	45.6	74.27	.43	.29	.35	6.27	-7.23	-1.77
	Nov. 11	87.17	23.3	69.04	.39	.22	.31	6.67	-9.84	-1.96
316										
317	Nov. 12	85.03	17.2	60.36	.43	.24	.38	11.17	-3.48	3.26
318	Nov. 13	87.86	35.1	68.28	.58	.36	.47	12.16	-5.68	2.96
319	Nov. 14	88.90	34.6	68.99	.62	.45	.53	13.25	-3.32	4.21
320	Nov. 15	91.46	32.4	69.92	.60	.42	.51	12.23	-4.52	3.72
321	Nov. 16	91.08	24.8	67.34	.58	.39	.47	13.59	-4.16	4.04
322	Nov. 17	91.59	40.0	76.55	.53	.39	.47	12.19	-4.16	2.06
					1993					
19	Jan. 19	99.68	78.3	90.64	.50	.37	.46	.62	-7.01	-1.88
20	Jan. 20	92.21	64.2	79.79	.70	.46	.56	2.47	-1.84	.88
21	Jan. 21	95.18	70.0	82.76	.68	.33	.56	4.79	-8.92	-.26
22	Jan. 22	88.97	52.1	70.40	.68	.25	.45	2.50	-12.16	-1.21
23	Jan. 23	83.22	65.2	74.39	.29	.10	.22	-.86	-14.33	-6.15
24	Jan. 24	88.29	51.0	77.75	.35	.18	.26	1.31	-12.85	-7.42
25	Jan. 25	88.24	70.6	79.53	.37	.18	.26	-1.80	-14.89	-7.83
26	Jan. 26	85.33	65.7	77.32	.32	.14	.23	-.96	-14.40	-8.56
27	Jan. 27	85.67	60.7	76.06	.29	.12	.20	-.91	-13.50	-6.71
28	Jan. 28	87.17	57.1	77.50	.31	.14	.21	.42	-13.52	-5.28
29	Jan. 29	90.47	65.8	84.35	.38	.15	.27	1.38	-12.56	-6.42
30	Jan. 30	88.69	70.6	84.44	.36	.12	.22	2.33	-12.57	-4.67
31	Jan. 31	89.60	65.7	82.82	.35	.13	.23	.77	-11.88	-6.03
32	Feb. 1	90.06	62.2	81.54	.38	.16	.25	1.57	-12.68	-6.68

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1993—Continued					
33	Feb. 2	92.02	72.5	85.13	0.39	0.13	0.22	2.02	-13.81	-4.84
34	Feb. 3	89.39	70.2	80.50	.38	.17	.29	-1.57	-13.42	-6.81
35	Feb. 4	82.98	57.6	74.38	.44	.26	.34	1.94	-11.89	-4.97
36	Feb. 5	98.74	70.0	80.13	.57	.24	.40	1.54	-12.31	-3.68
37	Feb. 6	100.15	78.9	90.92	.61	.42	.54	3.15	-5.72	-.17
38	Feb. 7	94.71	66.7	81.69	.59	.35	.47	3.55	-9.59	-2.55
39	Feb. 8	86.46	72.4	80.45	.67	.55	.63	3.33	.06	2.03
40	Feb. 9	100.49	85.9	94.93	.67	.59	.63	2.44	-1.46	1.35
41	Feb. 10	100.37	76.0	90.77	.63	.53	.61	2.69	-1.79	1.54
42	Feb. 11	98.46	67.8	87.73	.58	.32	.50	3.30	-8.97	-1.84
43	Feb. 12	93.57	59.7	83.96	.48	.23	.36	3.82	-11.02	-5.12
44	Feb. 13	92.12	71.5	83.86	.41	.25	.31	.30	-12.40	-7.58
45	Feb. 14	89.91	65.3	80.54	.32	.17	.24	-.73	-13.02	-8.08
46	Feb. 15	92.45	71.2	83.85	.43	.21	.29	1.22	-12.19	-6.27
47	Feb. 16	92.21	68.6	81.74	.32	.21	.29	-1.16	-12.58	-5.98
48	Feb. 17	90.99	67.9	79.08	.50	.29	.39	.76	-9.52	-2.80
49	Feb. 18	82.25	62.9	74.68	.65	.50	.58	3.93	-1.39	1.62
50	Feb. 19	92.70	72.4	80.56	.69	.54	.63	3.63	.17	2.05
51	Feb. 20	99.64	53.5	77.76	.59	.35	.45	2.82	-4.74	-.63
52	Feb. 21	89.87	53.6	71.40	.47	.34	.39	.80	-6.16	-1.81
53	Feb. 22	99.51	73.0	86.30	.57	.40	.49	1.89	-2.88	-.32
54	Feb. 23	99.81	79.5	93.25	.62	.43	.52	2.61	-5.32	-1.08
55	Feb. 24	100.79	68.2	88.20	.58	.28	.46	.59	-9.44	-2.23
56	Feb. 25	84.50	61.6	76.43	.29	.06	.17	-.55	-14.56	-5.32
57	Feb. 26	84.71	59.2	70.34	.30	.14	.24	-.19	-13.83	-6.37
58	Feb. 27	87.70	52.5	74.90	.32	.15	.23	2.70	-13.61	-5.27
59	Feb. 28	89.07	53.9	78.63	.36	.11	.23	3.75	-11.11	-1.93
60	Mar. 1	93.41	58.2	81.72	.45	.12	.29	3.65	-8.33	-.99
61	Mar. 2	93.87	51.8	79.38	.55	.27	.42	2.54	-10.59	.63
62	Mar. 3	96.38	79.2	87.11	.65	.45	.57	1.66	-3.67	-.02
63	Mar. 4	94.93	66.2	84.40	.58	.28	.47	1.12	-9.76	-2.90
64	Mar. 5	95.93	54.3	81.46	.65	.47	.55	2.30	-3.80	-.31
65	Mar. 6	96.38	67.6	85.45	.67	.38	.52	1.26	-7.60	-2.43
66	Mar. 7	95.41	66.3	83.53	.64	.42	.52	1.11	-6.82	-2.27
67	Mar. 8	93.03	57.9	77.91	.68	.41	.55	4.71	-5.43	-.44
68	Mar. 9	94.53	66.7	81.44	.69	.47	.60	7.94	-1.99	1.69
69	Mar. 10	94.63	53.6	78.75	.77	.55	.64	14.69	-.55	4.80
70	Mar. 11	89.01	49.9	73.60	.69	.47	.58	13.61	-1.05	4.57
71	Mar. 12	87.66	51.8	68.72	.49	.39	.43	5.35	-2.31	1.03
72	Mar. 13	86.83	49.1	69.56	.80	.46	.60	16.77	.63	6.11

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1993—Continued					
73	Mar. 14	100.19	76.4	91.34	1.02	0.72	0.85	13.42	3.65	6.56
74	Mar. 15	83.22	52.5	69.60	.78	.63	.71	14.83	1.61	6.89
75	Mar. 16	100.49	57.4	82.72	1.05	.66	.83	14.07	.87	7.83
76	Mar. 17	101.51	45.9	77.72	1.10	.70	.92	18.60	3.62	9.65
77	Mar. 18	95.86	46.2	67.45	.89	.67	.73	14.70	2.49	8.01
78	Mar. 19	98.56	39.5	73.07	.87	.58	.74	19.13	-.60	8.20
79	Mar. 20	93.27	38.5	63.13	.82	.62	.70	17.69	.78	8.06
80	Mar. 21	96.28	28.5	66.32	.66	.42	.60	20.18	-.98	6.49
81	Mar. 22	89.09	24.3	58.27	.81	.55	.66	21.24	-.80	8.16
82	Mar. 23	92.68	21.9	57.24	.81	.52	.65	21.88	-.79	8.41
83	Mar. 24	100.07	50.9	74.98	.99	.71	.82	18.22	2.72	8.66
84	Mar. 25	100.92	66.6	83.18	1.00	.75	.90	14.37	3.55	8.37
85	Mar. 26	97.53	45.8	80.15	1.00	.65	.84	17.33	-.33	7.82
86	Mar. 27	100.89	62.1	88.02	.95	.75	.87	19.11	2.84	8.48
87	Mar. 28	101.23	47.6	75.33	.94	.65	.81	21.59	1.41	9.41
88	Mar. 29	96.56	41.2	67.70	.70	.51	.63	17.87	-1.10	6.68
89	Mar. 30	95.21	38.6	68.98	.75	.51	.62	18.38	-1.71	6.71
90	Mar. 31	97.37	31.4	65.61	.88	.54	.67	22.70	-1.75	8.74
91	Apr. 1	99.98	56.6	76.43	.84	.59	.73	13.20	2.39	6.53
92	Apr. 2	96.16	53.6	75.83	.79	.60	.67	16.18	.94	6.78
93	Apr. 3	96.26	36.6	69.23	.91	.63	.75	19.29	-.38	8.78
94	Apr. 4	88.05	33.9	65.95	.90	.43	.72	19.83	1.23	8.28
95	Apr. 5	97.82	69.3	84.01	.72	.53	.62	15.09	-1.32	5.02
96	Apr. 6	97.99	41.4	74.63	.64	.49	.56	16.13	-2.11	5.45
97	Apr. 7	96.77	33.9	70.70	.72	.48	.58	20.02	-2.43	6.77
98	Apr. 8	91.94	16.2	52.66	.70	.39	.56	23.29	-1.93	9.43
99	Apr. 9	83.97	22.1	56.55	.82	.33	.59	15.14	-.34	7.70
100	Apr. 10	94.37	27.3	57.81	.54	.38	.47	19.65	-2.32	7.26
101	Apr. 11	99.52	50.3	78.19	.65	.44	.53	12.89	-2.70	2.94
102	Apr. 12	93.56	39.5	73.17	.56	.39	.46	13.77	-5.05	2.35
103	Apr. 13	93.14	18.9	56.26	.48	.24	.38	21.57	-5.39	4.97
104	Apr. 14	95.15	23.9	57.08	.75	.40	.50	26.21	-3.77	9.60
105	Apr. 15	84.93	34.2	62.26	.82	.59	.72	24.04	2.74	10.91
106	Apr. 16	97.23	17.2	54.29	.72	.30	.53	31.08	-2.66	11.61
107	Apr. 17	79.94	20.4	47.94	.74	.41	.53	26.25	-.13	10.65
108	Apr. 18	81.25	25.7	50.09	.63	.32	.45	20.11	-1.61	8.15
109	Apr. 19	91.79	15.8	53.52	.48	.21	.38	27.57	-6.05	8.37
110	Apr. 20	80.98	19.3	43.11	.64	.38	.46	30.00	-3.37	12.23
111	Apr. 21	76.13	16.1	41.09	.71	.39	.55	35.57	2.78	16.44
112	Apr. 22	63.16	13.0	33.69	.65	.25	.45	28.85	3.07	14.19

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1993—Continued					
113	Apr. 23	91.34	32.6	69.90	0.75	0.37	0.55	22.55	-3.95	7.33
114	Apr. 24	88.66	29.4	57.31	.72	.45	.56	26.34	2.72	10.94
115	Apr. 25	78.90	26.1	48.02	.74	.48	.59	29.57	-.09	14.55
116	Apr. 26	80.03	21.9	43.47	.71	.33	.49	30.24	.19	12.83
117	Apr. 27	70.98	16.5	40.78	.42	.29	.37	31.97	-4.16	11.20
118	Apr. 28	77.02	16.5	43.36	.52	.34	.42	34.13	-3.31	13.29
119	Apr. 29	75.82	21.4	43.87	.73	.43	.53	33.18	-.43	14.42
120	Apr. 30	87.52	21.6	52.64	.73	.40	.58	29.96	.95	13.17
121	May 1	87.98	16.2	48.30	.55	.31	.45	34.87	-3.75	13.70
122	May 2	95.94	29.2	57.80	1.18	.52	.77	35.08	3.73	15.82
123	May 3	97.54	28.5	69.24	1.14	.59	.86	24.96	5.01	13.21
124	May 4	96.34	44.7	78.39	.79	.52	.66	14.64	3.07	7.66
125	May 5	97.47	48.7	75.15	.80	.70	.75	20.59	2.81	9.94
126	May 6	99.21	58.0	87.20	1.09	.70	.90	19.06	2.17	9.30
127	May 7	97.25	31.1	65.03	.87	.47	.69	20.16	3.13	10.88
128	May 8	79.28	30.8	56.81	.65	.43	.53	22.48	.03	9.48
129	May 9	89.84	19.5	51.73	.79	.46	.56	32.12	-2.56	13.25
130	May 10	51.08	11.0	26.31	.68	.43	.52	36.26	4.13	18.86
131	May 11	37.14	6.2	18.97	.54	.27	.43	37.63	5.68	21.18
132	May 12	41.13	18.1	26.95	.86	.47	.67	36.00	8.96	21.01
133	May 13	50.20	9.8	29.59	.92	.37	.68	39.18	11.80	22.53
134	May 14	61.95	14.5	35.86	.96	.55	.75	43.29	8.88	23.08
135	May 15	77.57	17.3	43.00	.93	.54	.79	34.70	7.61	20.09
136	May 16	70.36	16.8	39.77	.97	.57	.82	42.39	10.51	22.83
137	May 17	76.63	13.9	38.47	.92	.49	.73	44.55	6.78	23.33
138	May 18	67.64	20.3	43.95	1.30	.73	.96	42.10	13.31	21.55
139	May 19	88.45	19.5	49.59	1.22	.75	.99	45.05	8.77	24.21
140	May 20	75.85	15.7	39.44	.98	.54	.75	45.18	6.88	24.15
141	May 21	54.78	18.1	34.14	.72	.48	.60	41.54	9.97	22.62
142	May 22	79.07	18.5	43.36	.76	.48	.61	41.29	3.36	20.41
143	May 23	76.96	16.2	38.63	.76	.55	.64	45.11	3.03	22.75
144	May 24	67.72	13.2	31.74	.90	.48	.70	46.77	9.95	25.68
145	May 25	67.36	13.2	32.36	.87	.46	.64	41.50	8.49	20.52
146	May 26	84.29	6.5	37.58	.83	.22	.53	44.20	4.00	21.01
147	May 27	46.44	13.3	25.82	.67	.26	.47	42.58	5.33	22.12
148	May 28	70.04	18.0	40.07	.72	.51	.60	39.32	4.63	18.99
149	May 29	74.54	18.2	40.30	.68	.53	.59	43.42	3.61	21.21
150	May 30	63.90	11.9	32.92	.77	.41	.61	40.01	7.92	22.50
151	May 31	84.84	19.2	53.64	1.01	.60	.81	34.52	5.95	16.81
152	June 1	92.65	13.8	49.31	.88	.34	.63	43.24	4.34	20.06

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1993—Continued					
153	June 2	68.09	16.9	41.82	0.73	0.35	0.57	38.24	5.99	17.45
154	June 3	72.93	20.2	44.35	.74	.42	.57	38.26	6.82	18.66
155	June 4	96.54	43.4	64.51	1.19	.48	.87	20.65	7.08	13.64
156	June 5	99.97	83.9	94.34	1.10	.83	.95	15.83	7.53	10.18
157	June 6	98.07	69.2	84.33	.91	.80	.83	18.17	6.27	9.80
158	June 7	99.57	49.5	76.03	.88	.78	.75	19.31	3.88	10.97
159	June 8	98.80	29.1	66.17	.90	.57	.72	26.19	-.30	12.40
160	June 9	98.03	21.7	59.89	1.11	.59	.77	34.05	.94	16.24
161	June 10	92.26	21.2	55.74	1.09	.65	.91	34.52	5.73	17.37
162	June 11	83.03	10.6	38.42	.86	.29	.56	35.46	4.11	18.02
163	June 12	64.36	13.1	34.68	.52	.28	.40	36.80	.89	16.66
164	June 13	60.23	13.1	31.64	.85	.44	.56	42.12	4.62	21.17
165	June 14	77.11	13.4	35.21	.90	.60	.73	45.58	6.54	24.52
166	June 15	56.77	10.6	28.58	.86	.39	.63	42.64	9.62	23.91
167	June 16	92.83	60.1	76.54	1.12	.75	.98	20.32	6.68	12.39
168	June 17	95.81	27.1	61.21	1.16	.75	.98	33.53	7.12	18.60
169	June 18	94.50	22.3	53.10	1.19	.76	.90	42.29	4.09	21.59
170	June 19	89.18	10.2	41.65	1.06	.46	.82	46.81	7.74	25.05
171	June 20	70.00	12.5	39.54	1.17	.55	.90	47.93	9.59	24.44
172	June 21	83.69	22.5	57.27	1.31	.80	1.12	44.38	10.56	22.47
173	June 22	42.17	10.6	26.87	.66	.30	.47	43.68	5.18	21.42
174	June 23	48.61	10.8	28.34	.50	.25	.40	41.40	5.42	19.77
175	June 24	62.60	7.2	30.11	.51	.24	.39	43.72	.14	20.36
176	June 25	60.33	9.3	28.72	.71	.41	.55	48.55	3.87	24.40
177	June 26	67.74	7.8	29.64	.79	.42	.64	52.49	6.31	27.37
178	June 27	35.71	6.4	19.56	.80	.31	.60	51.38	16.91	29.68
179	June 28	52.21	6.0	24.29	.68	.23	.50	44.30	8.92	24.74
180	June 29	58.44	12.8	28.43	.50	.41	.46	46.37	3.86	22.34
181	June 30	55.26	11.8	28.31	.57	.44	.50	48.18	3.94	23.81
182	July 1	53.87	10.4	26.63	.64	.47	.56	50.47	6.50	25.74
183	July 2	68.59	11.9	38.91	.92	.46	.66	41.29	6.31	20.81
184	July 3	83.38	16.2	42.37	.77	.43	.55	44.64	.40	21.26
185	July 4	52.90	20.4	33.62	.70	.49	.59	42.15	6.58	21.42
186	July 5	67.34	11.6	32.06	.65	.35	.50	47.31	2.10	22.84
187	July 6	49.05	5.8	21.57	.43	.22	.34	48.79	1.92	23.02
188	July 7	42.70	4.0	17.68	.37	.15	.28	48.57	2.12	23.39
189	July 8	45.50	7.7	22.20	.56	.30	.39	49.56	2.58	23.66
190	July 9	44.88	6.9	21.77	.63	.33	.45	49.33	4.58	25.63
191	July 10	53.60	7.8	22.44	.67	.32	.47	50.39	6.63	25.98
192	July 11	38.97	5.4	17.17	.44	.26	.37	50.80	4.73	25.70
193	July 12	40.82	7.6	19.58	.52	.22	.41	47.23	5.96	24.50
194	July 13	45.64	3.9	20.61	.49	.15	.37	48.38	4.27	23.54
195	July 14	49.57	7.1	25.34	.69	.26	.46	46.57	4.11	22.50
196	July 15	66.94	11.8	35.48	.69	.37	.59	42.89	3.84	22.74
197	July 16	75.96	11.4	35.42	.79	.31	.56	46.69	4.14	22.95

Table 2. Summary of relative humidity, vapor pressure, and soil-surface temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Relative humidity, in percent			Vapor pressure, in kilopascals			Soil-surface temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
					1993—Continued					
198	July 17	51.11	12.4	28.24	0.63	0.34	0.44	43.31	1.87	21.32
199	July 18	46.14	8.2	24.68	.64	.34	.48	49.85	5.58	24.36
200	July 19	45.33	8.1	22.49	.58	.32	.46	50.35	4.71	25.01
201	July 20	69.32	12.8	34.67	.89	.43	.68	46.43	6.74	24.65
202	July 21	58.73	16.2	30.76	.80	.46	.65	47.13	8.34	25.66
203	July 22	48.77	23.9	34.29	1.01	.45	.74	38.11	12.75	22.54
204	July 23	99.29	51.3	76.42	1.54	.97	1.34	24.44	11.40	17.43
205	July 24	99.96	23.9	62.55	1.23	.74	.99	38.89	4.88	19.98
206	July 25	90.26	12.8	46.89	1.12	.51	.83	42.06	6.34	22.68
207	July 26	85.60	16.7	45.48	.97	.49	.76	42.98	5.95	22.26
208	July 27	75.44	13.5	36.50	.79	.54	.68	47.43	5.15	24.27
209	July 28	62.33	3.2	25.87	.87	.20	.59	49.49	9.01	27.22
210	July 29	50.43	9.5	23.64	.67	.49	.58	47.92	8.65	26.88
211	July 30	57.40	7.7	25.69	.69	.39	.55	51.35	7.49	26.54
212	July 31	48.28	7.3	25.55	.58	.34	.59	52.25	6.29	26.55
213	Aug. 1	98.06	6.1	28.30	1.10	.33	.60	52.09	7.71	27.59
214	Aug. 2	49.13	7.8	24.03	.70	.41	.55	50.10	10.52	28.35
215	Aug. 3	35.59	10.6	20.52	.89	.58	.68	51.67	14.30	29.01
222	Aug. 10	78.43	15.8	34.87	1.42	.49	.76	51.34	6.42	25.87
223	Aug. 11	98.06	18.0	53.98	1.25	.65	.84	47.74	7.44	23.82
224	Aug. 12	72.78	26.6	42.38	.92	.60	.83	47.25	7.33	22.68
225	Aug. 13	67.74	13.2	35.49	.76	.47	.58	47.95	3.56	22.84
226	Aug. 14	43.40	9.1	25.29	.82	.41	.58	49.59	8.55	25.88
227	Aug. 15	75.00	37.0	53.20	1.18	.65	.96	31.14	11.02	18.43
228	Aug. 16	76.50	21.2	43.08	.73	.51	.61	41.33	2.82	19.19
229	Aug. 17	63.20	12.4	33.00	.72	.38	.53	45.13	1.58	20.55
230	Aug. 18	41.96	9.6	25.11	.75	.42	.60	45.47	11.18	24.64
231	Aug. 19	36.20	3.4	16.50	.60	.16	.40	48.50	8.19	24.95
232	Aug. 20	36.73	12.3	22.79	.63	.40	.50	46.72	11.16	23.74
233	Aug. 21	57.36	12.9	30.72	.74	.44	.56	45.08	4.06	22.94
234	Aug. 22	60.95	17.9	34.14	.87	.57	.71	47.74	5.98	24.15
235	Aug. 23	55.04	3.5	25.64	.73	.17	.49	46.37	6.87	23.70
236	Aug. 24	46.46	10.4	26.68	.69	.37	.51	47.20	4.88	22.70
237	Aug. 25	43.38	12.1	26.53	.55	.37	.44	43.25	4.63	20.15
238	Aug. 26	46.48	7.2	23.32	.42	.23	.31	44.50	-1.54	17.92
239	Aug. 27	37.51	4.9	18.33	.43	.18	.29	46.62	1.44	19.99
240	Aug. 28	31.23	6.7	16.99	.57	.21	.32	46.50	1.24	21.20
241	Aug. 29	56.47	6.2	27.97	.66	.18	.47	39.01	5.86	18.93
242	Aug. 30	40.71	13.8	24.97	.82	.42	.54	45.64	8.36	23.06
243	Aug. 31	63.59	13.0	34.00	.88	.53	.73	46.96	7.03	23.67

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993

[Data are from 60-minute averages]

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
				1992			
158	June 6	18.05	-18.05	0.36	30.50	12.09	24.33
159	June 7	20.57	-13.67	1.40	31.57	6.50	24.84
160	June 8	22.77	-9.26	3.88	33.85	11.08	27.84
161	June 9	23.39	-10.58	2.29	33.89	9.29	26.05
162	June 10	22.48	-12.25	3.12	35.04	7.01	27.37
163	June 11	18.96	-12.58	-2.15	35.40	7.27	28.02
164	June 12	9.16	-17.58	-7.71	21.23	1.49	13.13
165	June 13	20.08	-19.19	-2.08	20.48	-2.40	15.97
166	June 14	-8.29	-14.82	-10.97	9.36	4.59	8.55
167	June 15	20.26	-16.65	-2.15	19.73	1.74	12.05
168	June 16	15.61	-14.88	-.62	22.84	3.80	14.40
169	June 17	37.18	-13.76	7.02	29.96	4.11	22.41
170	June 18	28.45	-13.12	2.23	29.24	8.24	20.63
171	June 19	30.80	-15.45	2.28	32.05	4.77	21.78
190	July 8	38.34	-18.50	3.22	35.55	4.86	25.40
191	July 9	33.05	-17.27	4.42	36.49	5.14	26.95
192	July 10	31.70	-16.89	3.95	37.20	6.53	27.15
193	July 11	30.09	-11.07	1.80	36.16	15.28	25.74
194	July 12	31.45	-12.05	4.39	32.81	9.50	26.55
195	July 13	22.25	-16.65	1.15	33.99	6.65	24.40
196	July 14	34.10	-14.62	6.02	39.33	8.28	29.15
197	July 15	31.84	-11.49	6.35	37.86	12.45	30.18
198	July 16	33.15	-16.36	4.86	39.64	7.26	29.11
199	July 17	26.45	-13.03	4.29	40.28	11.00	29.94
200	July 18	31.79	-11.11	6.41	38.87	13.75	30.84
201	July 19	30.14	-13.19	4.53	38.61	11.07	29.25
202	July 20	27.47	-16.82	2.50	36.61	5.59	26.90
203	July 21	29.73	-16.58	3.47	35.69	5.44	26.83
204	July 22	27.33	-15.54	2.28	36.03	8.65	26.18
205	July 23	27.36	-14.05	3.19	33.54	8.10	26.06
206	July 24	29.54	-15.15	3.79	35.69	6.58	27.72
207	July 25	30.41	-13.27	5.08	37.69	8.07	28.48
208	July 26	31.38	-11.72	5.64	40.03	11.71	29.98
209	July 27	33.00	-12.06	6.03	42.28	12.44	31.18
210	July 28	32.36	-13.89	5.49	42.82	8.58	30.43
211	July 29	30.39	-12.84	4.93	40.96	11.63	29.90
212	July 30	30.58	-12.94	5.13	41.24	12.22	30.38
213	July 31	31.54	-11.00	6.17	42.64	13.16	32.70
214	Aug. 1	31.09	-10.26	7.58	41.74	13.12	33.63
215	Aug. 2	30.89	-11.43	5.92	42.50	11.57	32.66

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1992—Continued				
216	Aug. 3	26.22	-12.15	4.62	39.43	11.22	29.70
217	Aug. 4	27.68	-15.62	2.98	39.37	7.08	27.71
218	Aug. 5	29.12	-15.08	4.08	39.66	6.48	28.98
219	Aug. 6	27.99	-14.13	4.01	39.14	8.59	28.35
220	Aug. 7	27.94	-15.06	3.44	39.47	6.41	27.65
221	Aug. 8	26.96	-12.85	3.87	38.85	10.03	28.52
222	Aug. 9	29.66	-12.89	5.25	40.95	8.22	29.44
223	Aug. 10	29.76	-13.17	5.26	42.87	9.35	30.82
224	Aug. 11	29.78	-9.35	7.12	43.39	13.92	32.76
225	Aug. 12	29.82	-9.29	6.79	43.18	17.07	33.81
226	Aug. 13	27.21	-4.53	6.79	42.17	21.47	33.73
227	Aug. 14	26.82	-5.10	6.49	41.88	20.56	32.33
228	Aug. 15	22.74	-7.54	1.48	38.50	18.16	27.35
229	Aug. 16	26.41	-12.68	2.10	35.23	15.09	25.83
230	Aug. 17	28.18	-13.68	3.88	37.63	12.19	28.40
231	Aug. 18	31.07	-11.94	5.86	41.57	14.50	30.95
232	Aug. 19	28.42	-11.12	4.01	41.34	15.13	29.63
233	Aug. 20	26.84	-15.05	1.67	39.50	9.82	26.99
234	Aug. 21	22.92	-14.90	.88	37.17	10.36	26.34
235	Aug. 22	16.97	-17.11	-2.36	29.72	5.03	20.68
236	Aug. 23	21.16	-18.96	-3.27	27.79	2.12	17.85
237	Aug. 24	18.20	-18.40	-3.37	27.75	3.08	17.95
238	Aug. 25	21.76	-19.85	-2.37	29.52	-3.02	17.11
239	Aug. 26	25.11	-21.53	-2.05	31.22	-5.24	16.20
240	Aug. 27	27.35	-20.29	-.49	35.11	-3.82	18.48
241	Aug. 28	27.01	-16.89	1.39	35.88	.65	21.54
242	Aug. 29	20.92	-10.11	2.16	33.92	11.30	23.69
243	Aug. 30	25.66	-12.56	2.78	34.59	6.04	22.86
244	Aug. 31	23.62	-9.85	1.47	32.25	11.35	22.80
245	Sept. 1	23.72	-12.47	1.17	32.55	7.78	21.61
246	Sept. 2	23.16	-14.88	.21	33.57	4.30	21.23
247	Sept. 3	21.73	-11.73	1.42	30.97	9.01	22.40
248	Sept. 4	10.84	-15.01	-5.80	21.24	8.55	14.80
249	Sept. 5	19.84	-17.92	-3.00	26.71	5.80	14.93
250	Sept. 6	19.82	-17.82	-2.53	24.11	3.32	15.06
251	Sept. 7	28.25	-16.73	-.25	28.20	5.26	16.32
252	Sept. 8	28.56	-17.12	.45	31.84	2.24	17.82
253	Sept. 9	29.69	-14.71	2.12	32.65	4.60	19.75
254	Sept. 10	29.30	-14.82	2.25	36.90	5.48	22.00
255	Sept. 11	20.24	-9.42	1.63	33.10	12.85	22.49
256	Sept. 12	21.81	-14.74	-.03	29.73	4.91	19.45
257	Sept. 13	13.77	-20.49	-5.54	23.36	-2.71	14.17
258	Sept. 14	23.03	-14.19	-.48	30.26	3.00	17.83
259	Sept. 15	25.01	-16.88	-1.20	31.73	-.09	16.26
260	Sept. 16	26.38	-17.45	-.50	33.86	-.78	17.81

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1992—Continued				
261	Sept. 17	24.96	-15.06	0.21	32.09	2.87	18.69
262	Sept. 18	12.23	-11.26	-2.07	26.54	10.31	17.96
263	Sept. 19	20.83	-13.51	-.28	31.04	4.78	18.47
264	Sept. 20	23.42	-16.31	-.72	30.04	.76	17.48
265	Sept. 21	25.32	-14.54	.64	34.04	3.09	19.10
266	Sept. 22	25.28	-13.73	1.32	36.92	6.12	20.78
267	Sept. 23	18.70	-12.30	-.17	32.78	6.82	19.54
268	Sept. 24	13.68	-13.81	-3.11	27.55	3.21	15.52
269	Sept. 25	16.70	-19.94	-5.59	23.01	-5.60	10.70
270	Sept. 26	20.08	-17.52	-3.01	27.45	-3.00	12.80
271	Sept. 27	22.19	-15.77	-1.33	31.26	-1.81	14.88
272	Sept. 28	22.64	-13.28	-.05	33.20	3.89	16.71
273	Sept. 29	22.32	-14.38	.32	35.35	2.59	18.74
274	Sept. 30	20.22	-10.60	2.13	34.65	6.60	21.19
275	Oct. 1	18.00	-11.43	1.52	33.66	6.93	21.45
276	Oct. 2	1.88	-14.25	-5.73	24.87	1.21	12.66
277	Oct. 3	.15	-16.53	-9.02	14.92	-1.63	7.00
278	Oct. 4	17.23	-16.69	-3.72	21.53	-3.76	9.26
279	Oct. 5	18.08	-14.42	-2.48	23.89	-2.02	10.16
280	Oct. 6	13.45	-15.34	-4.65	21.31	-5.65	6.94
281	Oct. 7	15.68	-17.78	-4.65	23.71	-9.59	7.25
282	Oct. 8	15.70	-13.11	-1.68	25.85	-4.94	11.14
283	Oct. 9	15.90	-13.18	-2.10	23.83	-3.03	10.13
284	Oct. 10	18.19	-13.42	-1.30	26.88	-4.10	10.96
285	Oct. 11	19.48	-12.65	-.72	29.55	-2.89	12.02
286	Oct. 12	19.46	-13.02	-.86	31.16	-3.18	12.33
287	Oct. 13	16.76	-12.66	-1.84	27.10	-2.02	12.00
288	Oct. 14	13.52	-13.71	-3.54	22.39	-4.63	8.52
289	Oct. 15	13.05	-17.39	-4.84	21.92	-9.71	7.72
290	Oct. 16	16.32	-8.81	.66	24.06	-2.00	12.84
291	Oct. 17	14.84	-14.70	-3.67	24.74	-5.45	8.00
292	Oct. 18	13.19	-11.17	-1.84	25.27	-1.53	11.80
293	Oct. 19	15.96	-13.26	-2.13	26.19	-3.49	9.63
294	Oct. 20	16.43	-12.41	-1.65	28.97	-1.46	11.24
295	Oct. 21	6.82	-9.72	-2.08	20.13	1.08	10.98
296	Oct. 22	13.76	-14.01	-3.56	21.52	-5.04	6.87
297	Oct. 23	14.83	-13.31	-3.24	24.26	-3.90	7.73
298	Oct. 24	12.57	-11.14	-1.54	24.91	-1.37	10.91
299	Oct. 25	16.45	-8.98	.34	25.08	2.20	12.44
300	Oct. 26	11.20	-9.67	-1.36	24.05	1.90	10.97

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1992—Continued				
301	Oct. 27	11.19	-9.34	-2.09	23.94	1.51	9.88
302	Oct. 28	9.26	-10.03	-2.60	19.72	1.08	9.67
303	Oct. 29	1.12	-9.27	-4.01	12.14	6.10	8.89
304	Oct. 30	3.48	-13.65	-7.20	10.72	2.13	5.57
305	Oct. 31	17.43	-16.38	-3.89	12.73	1.17	6.97
306	Nov. 1	8.34	-7.48	-1.26	12.36	6.95	9.51
307	Nov. 2	-2.30	-24.26	-8.21	11.63	.98	6.54
308	Nov. 3	20.75	-22.21	-10.80	9.83	-2.34	2.18
309	Nov. 4	-7.93	-18.08	-13.77	4.89	-3.25	.81
310	Nov. 5	19.89	-15.07	-4.88	10.97	-1.86	3.19
311	Nov. 6	27.16	-14.84	-4.75	14.36	-3.63	3.28
312	Nov. 7	26.91	-16.51	-4.80	17.03	-1.68	4.29
313	Nov. 8	5.70	-16.35	-10.74	9.83	-4.10	.42
314	Nov. 9	-1.74	-15.15	-10.91	8.15	-8.13	-.89
315	Nov. 10	-1.67	-11.72	-8.80	4.82	-7.68	-1.64
316	Nov. 11	-6.11	-17.15	-10.67	9.20	-9.43	-2.87
317	Nov. 12	15.11	-8.49	-3.57	14.45	-3.54	1.58
318	Nov. 13	17.49	-10.69	-4.43	16.28	-5.42	1.09
319	Nov. 14	21.36	-10.47	-3.70	17.53	-2.52	2.05
320	Nov. 15	18.64	-11.74	-4.96	17.46	-4.02	1.79
321	Nov. 16	18.44	-11.07	-3.94	17.55	-4.27	2.41
322	Nov. 17	-2.30	-10.78	-9.82	12.79	-4.20	1.30
			1993				
19	Jan. 19	-2.33	-2.46	-2.40	.70	-6.31	-1.62
20	Jan. 20	-2.25	-2.39	-2.36	2.14	-1.67	.78
21	Jan. 21	-1.60	-2.18	-1.81	3.32	-7.94	-.31
22	Jan. 22	-1.52	-1.67	-1.59	2.19	-11.39	-1.29
23	Jan. 23	-1.54	-1.96	-1.75	.48	-11.89	-5.17
24	Jan. 24	-1.97	-2.32	-2.12	1.02	-11.29	-5.85
25	Jan. 25	-2.22	-2.54	-2.38	.09	-12.74	-5.95
26	Jan. 26	-2.45	-2.70	-2.55	.07	-12.15	-7.22
27	Jan. 27	-2.59	-2.89	-2.73	.35	-11.68	-4.51
28	Jan. 28	-2.84	-3.09	-2.91	1.36	-11.43	-3.76
29	Jan. 29	-2.91	-3.05	-2.97	.67	-11.53	-5.71
30	Jan. 30	-2.91	-3.19	-3.01	2.08	-11.35	-4.14
31	Jan. 31	-2.99	-3.26	-3.12	.97	-11.43	-5.51
32	Feb. 1	-3.11	-3.28	-3.16	2.40	-11.80	1.23
33	Feb. 2	-3.13	-3.40	-3.24	2.49	-12.41	1.80
34	Feb. 3	-3.22	-3.48	-3.35	2.61	-11.26	-1.32
35	Feb. 4	-2.88	-3.26	-3.10	2.26	-11.51	2.08
36	Feb. 5	-2.81	-3.04	-2.93	2.09	-11.56	1.60

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1993—Continued				
37	Feb. 6	-2.39	-2.83	-2.62	2.62	-5.44	1.74
38	Feb. 7	-2.25	-2.46	-2.36	3.80	-9.40	1.53
39	Feb. 8	-1.96	-2.25	-2.15	6.31	1.12	1.29
40	Feb. 9	-1.72	-1.96	-1.85	3.86	-.26	.93
41	Feb. 10	-1.30	-1.67	-1.44	5.42	-.50	.54
42	Feb. 11	-1.23	-1.38	-1.30	6.83	-7.30	.66
43	Feb. 12	-1.24	-1.52	-1.37	6.46	-9.02	.73
44	Feb. 13	-1.45	-1.96	-1.72	1.60	-9.32	1.17
45	Feb. 14	-1.88	-2.46	-2.22	1.63	-9.87	.93
46	Feb. 15	-2.34	-2.75	-2.58	2.27	-9.66	1.95
47	Feb. 16	-2.47	-2.69	-2.59	1.86	-9.47	.21
48	Feb. 17	-2.46	-2.68	-2.60	1.87	-7.80	1.75
49	Feb. 18	-2.17	-2.47	-2.37	8.06	.56	1.49
50	Feb. 19	-1.74	-2.10	-1.90	7.45	.78	.95
51	Feb. 20	-1.57	-1.74	-1.66	3.34	-4.16	.85
52	Feb. 21	-1.64	-1.78	-1.71	2.31	-4.89	.91
53	Feb. 22	-1.74	-1.90	-1.84	4.15	-1.91	1.10
54	Feb. 23	-1.68	-1.81	-1.76	5.13	-4.27	1.04
55	Feb. 24	-1.74	-1.81	-1.78	1.12	-7.60	.68
56	Feb. 25	-1.75	-2.16	-1.95	1.30	-13.51	1.06
57	Feb. 26	-1.98	-2.22	-2.15	2.68	-10.49	1.45
58	Feb. 27	-2.07	-2.32	-2.20	3.28	-11.42	1.44
59	Feb. 28	-2.18	-2.54	-2.34	4.85	-10.35	1.57
60	Mar. 1	-2.35	-2.61	-2.45	6.56	-8.30	-.25
61	Mar. 2	-2.32	-2.53	-2.45	10.26	-9.63	-1.92
62	Mar. 3	-2.31	-2.57	-2.38	5.43	-2.81	1.30
63	Mar. 4	-1.45	-2.34	-1.99	5.69	-8.58	-.91
64	Mar. 5	-1.83	-2.45	-2.20	8.72	-3.10	2.04
65	Mar. 6	-2.38	-2.57	-2.46	6.98	-5.96	.01
66	Mar. 7	-1.67	-2.90	-2.42	6.52	-4.73	.17
67	Mar. 8	-1.52	-3.05	-2.48	8.76	-4.17	1.71
68	Mar. 9	-.95	-3.33	-2.54	8.35	-2.64	2.39
69	Mar. 10	2.81	-4.57	-1.62	12.48	-1.58	4.25
70	Mar. 11	75.80	-22.23	7.70	8.76	-3.26	3.44
71	Mar. 12	18.39	-19.74	-6.94	5.59	-3.77	.98
72	Mar. 13	75.80	-10.57	13.97	13.95	.55	5.93
73	Mar. 14	37.29	-8.31	5.94	11.65	3.99	6.25
74	Mar. 15	52.82	-14.66	7.09	12.25	3.34	7.45
75	Mar. 16	41.63	-18.94	7.42	12.04	1.48	7.65
76	Mar. 17	67.01	-22.01	13.53	16.28	5.90	10.13
77	Mar. 18	40.97	-22.98	3.54	14.16	2.67	8.63
78	Mar. 19	77.20	-32.08	8.18	17.96	-.65	8.28
79	Mar. 20	60.48	-31.13	4.72	16.02	1.99	8.99
80	Mar. 21	84.20	-36.20	3.11	17.35	-1.70	6.64
81	Mar. 22	79.60	-35.37	6.47	22.40	-.98	9.84

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1993—Continued				
82	Mar. 23	62.81	-32.72	0.37	22.40	-0.36	10.08
83	Mar. 24	61.78	-19.79	3.67	17.10	3.59	9.14
84	Mar. 25	26.29	-17.58	-1.03	12.83	4.59	8.51
85	Mar. 26	49.76	-28.67	1.40	17.17	.14	8.01
86	Mar. 27	59.98	-19.82	4.49	13.59	3.02	7.63
87	Mar. 28	60.59	-29.20	3.66	14.93	2.65	9.03
88	Mar. 29	55.67	-34.56	-2.37	15.17	-1.58	6.88
89	Mar. 30	55.87	-33.23	-1.82	14.44	-2.07	6.31
90	Mar. 31	66.63	-32.03	4.75	18.67	-2.01	8.83
91	Apr. 1	23.36	-21.63	-5.79	10.10	2.45	6.94
92	Apr. 2	50.59	-25.51	.03	12.29	1.19	6.08
93	Apr. 3	64.20	-28.61	5.63	17.97	.15	9.18
94	Apr. 4	58.11	-28.69	-.50	14.41	3.59	8.85
95	Apr. 5	37.29	-33.71	-6.44	9.06	-.86	3.73
96	Apr. 6	44.56	-29.00	-2.56	11.30	-2.60	4.13
97	Apr. 7	57.77	-29.33	1.59	15.01	-2.95	5.74
98	Apr. 8	66.41	-30.75	5.92	21.80	-2.38	10.13
99	Apr. 9	26.92	-28.37	-3.07	14.40	-.34	8.27
100	Apr. 10	50.19	-32.00	-1.08	14.95	-2.88	6.18
101	Apr. 11	41.12	-30.39	-10.13	7.80	-2.97	2.15
102	Apr. 12	45.78	-29.07	-7.91	10.06	-5.98	1.22
103	Apr. 13	66.72	-26.36	-1.00	14.63	-6.29	4.22
104	Apr. 14	83.10	-26.51	12.35	17.91	-4.38	7.90
105	Apr. 15	60.31	-22.92	7.62	18.26	4.61	10.45
106	Apr. 16	83.70	-34.26	7.21	20.13	-2.23	9.86
107	Apr. 17	58.73	-30.72	1.74	20.28	-.06	10.56
108	Apr. 18	44.07	-32.49	-1.54	13.08	-.68	6.99
109	Apr. 19	79.10	-39.23	4.42	17.66	-6.91	5.80
110	Apr. 20	77.80	-36.72	9.11	23.51	-3.45	11.27
111	Apr. 21	86.50	-25.37	14.51	26.19	3.34	14.62
112	Apr. 22	65.03	-28.43	6.48	20.57	4.86	13.55
113	Apr. 23	38.04	-43.04	-12.17	13.95	-4.16	5.41
114	Apr. 24	51.89	-24.95	4.97	17.23	2.99	8.91
115	Apr. 25	61.34	-30.55	9.79	20.97	-.45	12.54
116	Apr. 26	68.86	-33.51	4.64	18.46	-.22	10.52
117	Apr. 27	81.96	-43.06	4.25	19.37	-3.34	8.05
118	Apr. 28	83.20	-40.61	7.62	22.85	-3.68	9.68
119	Apr. 29	68.84	-36.40	7.76	23.77	-1.70	12.13
120	Apr. 30	62.82	-33.10	2.52	19.62	-.06	10.50
121	May 1	83.20	-42.53	6.12	21.63	-4.14	9.37
122	May 2	72.60	-28.12	7.45	25.00	2.36	12.95
123	May 3	34.43	-29.38	-3.68	21.46	3.92	12.01
124	May 4	13.14	-32.81	-12.87	11.05	2.99	6.11
125	May 5	32.77	-27.30	-1.58	14.59	2.50	8.55
126	May 6	30.04	-26.80	-3.33	16.14	2.01	8.22

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1993—Continued				
127	May 7	55.06	-25.19	3.58	16.83	2.86	9.72
128	May 8	41.69	-34.30	-3.49	15.76	.78	7.95
129	May 9	87.30	-40.00	10.74	25.61	-3.11	11.49
130	May 10	90.20	-30.61	17.80	30.85	4.85	19.36
131	May 11	83.70	-29.22	17.95	32.58	8.13	21.80
132	May 12	66.32	-22.63	12.79	29.02	11.19	21.43
133	May 13	75.30	-20.33	15.77	30.66	14.52	21.68
134	May 14	85.30	-26.55	16.52	30.79	9.34	20.19
135	May 15	56.27	-30.61	6.31	27.62	6.36	17.60
136	May 16	80.10	-25.42	13.42	28.98	10.55	19.89
137	May 17	87.90	-33.07	14.01	30.39	6.16	19.94
138	May 18	71.70	-21.52	4.39	29.95	14.80	19.90
139	May 19	86.50	-28.14	16.24	31.90	7.88	19.87
140	May 20	85.60	-35.13	12.51	29.77	5.73	19.72
141	May 21	73.90	-29.16	8.12	25.08	9.40	17.58
142	May 22	71.90	-42.70	5.01	25.49	.76	14.52
143	May 23	85.60	-42.02	10.96	29.62	.56	18.00
144	May 24	79.80	-26.70	13.53	31.80	8.97	21.62
145	May 25	59.59	-33.19	-1.49	29.48	9.39	18.76
146	May 26	75.90	-39.34	5.89	28.86	1.71	16.89
147	May 27	74.60	-35.32	7.31	27.85	3.68	17.23
148	May 28	58.55	-38.01	-.42	25.11	2.10	14.50
149	May 29	79.00	-38.96	7.58	26.42	1.40	15.14
150	May 30	54.11	-32.18	6.37	27.97	6.15	18.57
151	May 31	37.02	-30.27	-6.72	25.90	4.00	13.84
152	June 1	78.70	-34.13	8.47	24.29	2.68	13.79
153	June 2	59.80	-33.21	-1.97	22.11	5.24	13.42
154	June 3	63.36	-30.38	4.95	20.78	4.63	12.94
155	June 4	10.31	-31.11	-11.95	15.47	4.39	11.72
156	June 5	6.64	-27.09	-15.64	9.25	5.87	7.84
157	June 6	28.72	-26.03	-9.69	13.20	5.01	7.86
158	June 7	37.91	-30.97	-3.91	16.53	3.63	10.56
159	June 8	59.95	-40.45	2.77	21.31	-.97	10.63
160	June 9	73.50	-40.44	7.20	26.58	-.10	14.12
161	June 10	72.20	-32.33	4.84	28.47	4.92	16.45
162	June 11	75.70	-35.38	7.17	25.98	3.28	15.82
163	June 12	77.70	-44.03	3.49	23.96	.06	12.36
164	June 13	88.30	-36.40	13.47	31.16	7.27	18.72
165	June 14	86.80	-32.61	16.78	34.73	5.90	21.74
166	June 15	76.30	-28.45	11.49	29.75	11.33	20.94
167	June 16	18.34	-37.03	-18.55	16.24	4.37	10.57
168	June 17	56.38	-27.10	6.16	24.52	8.38	16.36
169	June 18	86.70	-39.30	12.51	29.03	3.60	17.84
170	June 19	88.50	-34.47	15.80	34.54	7.20	21.68
171	June 20	74.80	-32.52	6.68	34.71	9.40	21.59

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1993—Continued				
172	June 21	58.82	-26.88	3.12	30.52	10.47	18.83
173	June 22	74.90	-38.61	5.42	25.30	6.69	17.15
174	June 23	67.61	-38.86	1.76	22.91	3.92	14.52
175	June 24	76.60	-46.80	4.70	28.04	-1.50	14.99
176	June 25	83.40	-38.92	12.34	33.34	2.96	19.80
177	June 26	85.90	-35.89	14.63	37.06	5.26	23.16
178	June 27	76.70	-17.37	16.01	35.27	17.71	26.36
179	June 28	61.44	-34.14	5.05	30.99	7.34	20.93
180	June 29	67.75	-41.82	2.17	27.71	2.32	16.71
181	June 30	73.10	-40.82	6.51	30.55	2.94	18.32
182	July 1	76.30	-34.65	9.49	33.40	6.66	21.17
183	July 2	49.22	-36.66	-3.39	30.90	5.39	17.40
184	July 3	65.51	-43.58	2.97	26.08	-1.68	14.84
185	July 4	54.52	-31.60	1.76	26.21	4.72	16.61
186	July 5	71.40	-39.64	6.95	31.00	.34	17.96
187	July 6	71.50	-40.48	6.01	32.50	-.25	17.67
188	July 7	71.20	-40.53	5.65	33.49	.17	19.07
189	July 8	70.90	-39.52	6.82	32.99	1.14	18.91
190	July 9	71.40	-36.42	9.30	35.93	3.51	21.66
191	July 10	69.62	-33.54	8.68	34.54	6.04	21.58
192	July 11	69.21	-37.93	7.42	36.13	3.36	22.21
193	July 12	63.34	-34.77	4.73	31.55	4.70	20.38
194	July 13	64.76	-37.07	3.92	33.25	3.59	19.78
195	July 14	62.24	-36.92	3.91	31.36	3.15	19.25
196	July 15	50.91	-36.61	2.24	27.51	2.40	18.24
197	July 16	63.89	-35.88	4.93	30.45	3.18	17.97
198	July 17	57.19	-39.63	1.85	29.53	-.13	16.50
199	July 18	68.62	-34.58	7.33	36.47	4.17	21.21
200	July 19	68.13	-34.87	6.91	36.70	3.33	21.58
201	July 20	58.54	-31.94	3.95	32.07	5.58	20.97
202	July 21	58.94	-28.36	7.29	31.56	8.10	21.12
203	July 22	30.50	-23.55	-1.45	26.88	11.20	19.62
204	July 23	12.75	-25.53	-9.92	20.96	11.68	16.33
205	July 24	68.90	-39.87	4.18	30.39	4.28	18.28
206	July 25	72.10	-37.80	5.90	33.28	5.60	20.53
207	July 26	67.32	-38.18	4.35	30.53	4.77	18.88
208	July 27	74.20	-38.36	7.76	36.43	4.27	21.61
209	July 28	71.10	-32.47	10.75	41.21	8.61	26.00
210	July 29	67.40	-33.48	9.02	36.94	7.90	24.88
211	July 30	70.70	-35.36	7.69	38.02	5.94	23.49
212	July 31	69.99	-37.47	7.95	39.52	5.32	23.62
213	Aug. 1	69.75	-31.51	8.82	39.92	6.42	25.00
214	Aug. 2	64.72	-34.79	3.66	39.57	6.42	23.91
215	Aug. 3	65.25	-20.81	5.73	40.56	16.62	28.54
222	Aug. 10	66.06	-30.76	6.59	36.70	6.31	22.47

Table 3. Summary of soil-heat flux and plant-canopy temperature values at study site, Boulder Valley, Nev., June 6, 1992, through August 31, 1993—Continued

Julian day	Date	Soil-heat flux, in watts per square meter			Plant-canopy temperature, in degrees Celsius		
		Maximum	Minimum	Mean	Maximum	Minimum	Mean
			1993—Continued				
223	Aug. 11	51.93	-31.51	2.66	31.48	7.24	20.93
224	Aug. 12	50.16	-30.67	.07	30.58	7.21	19.32
225	Aug. 13	59.62	-36.02	2.83	34.06	2.46	18.92
226	Aug. 14	56.92	-27.28	4.92	36.31	8.48	23.18
227	Aug. 15	15.53	-24.30	-9.04	24.91	9.99	17.52
228	Aug. 16	52.46	-33.56	.50	27.30	2.15	15.23
229	Aug. 17	53.83	-36.33	.93	32.46	1.14	17.82
230	Aug. 18	48.06	-18.91	6.13	34.69	12.16	23.34
231	Aug. 19	55.12	-26.98	4.41	37.59	11.59	24.14
232	Aug. 20	51.30	-22.76	2.13	33.46	11.72	21.56
233	Aug. 21	53.70	-33.26	3.66	31.48	3.36	19.56
234	Aug. 22	57.37	-29.75	5.88	34.30	5.10	21.22
235	Aug. 23	55.61	-29.53	4.27	36.32	6.98	21.68
236	Aug. 24	54.39	-32.26	1.95	33.10	4.32	19.91
237	Aug. 25	48.27	-31.90	-1.04	28.53	5.60	16.87
238	Aug. 26	54.62	-40.70	-2.77	31.76	-2.93	15.11
239	Aug. 27	57.34	-34.53	1.03	33.94	1.48	17.85
240	Aug. 28	56.91	-34.55	2.39	35.86	.69	19.74
241	Aug. 29	41.56	-28.51	-1.58	27.94	6.36	17.59
242	Aug. 30	53.75	-24.51	5.47	32.39	10.49	21.58
243	Aug. 31	55.75	-26.38	5.81	35.06	7.53	21.89