

Meteorological Data for Four Sites at Surface-Disruption Features in Yucca Flat, Nevada Test Site, Nye County, Nevada, 1985–86

By R.L. Carman

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GORDON P. EATON, Director



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**For additional information
write to:**

**District Chief
U.S. Geological Survey
333 W. Nye Lane, Room 203
Carson City, NV 89706-0866**

**Copies of this report can be
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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
centimeter	0.3937	inch
kilometer	0.6214	mile
meter	3.281	foot
meter per second	2.237	mile per hour
watt per square meter	0.005287	British thermal unit per minute per square foot

Temperature: Degrees Celsius (°C) may 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 leveling networks of the United States and Canada.

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Abstract

Surface-disruption features, or craters, resulting from underground nuclear testing at the Nevada Test Site may increase the potential for ground-water recharge in an area that would normally produce little, if any, recharge. This report presents selected meteorological data resulting from a study of two surface-disruption features during May 1985 through June 1986. The data were collected at four adjacent sites in Yucca Flat, about 56 kilometers north of Mercury, Nev. Three sites (one in each of two craters and one at an undisturbed site at the original land surface) were instrumented to collect meteorological data for calculating bare-soil evaporation. These data include (1) long-wave radiation, (2) short-wave radiation, (3) net radiation, (4) air temperature, and (5) soil surface temperature. Meteorological data also were collected at a weather station at an undisturbed site near the study craters. Data collected at this site include (1) air temperature, (2) relative humidity, (3) wind velocity, and (4) wind direction.

INTRODUCTION

Since nuclear-weapons testing began at the Nevada Test Site in southern Nevada, questions have arisen regarding how the testing may affect natural physical processes in the testing areas. It is important to understand the changes that may occur, their effects, and future implications, if any.

One result of underground nuclear testing is the formation of surface-disruption features, or craters. Concern exists that the craters could increase the amount of infiltration and ground-water recharge in an area that normally would produce little, if any, recharge. Normally, precipitation in the area would be evaporated, taken up by plants, or held as soil moisture because of the low precipitation and high evaporation potential. The surface-disruption sites may increase the potential for ground-water recharge by acting as catchments for precipitation and overland flow. Such recharge could create problems from subsurface radio-nuclide migration.

A study was initiated in January 1985 to determine whether the surface-disruption features, which resulted from underground nuclear testing, are increasing the potential for ground-water recharge. This report presents the meteorological data collected during the study. By June 1985 bare-soil evaporation data (long- and short-wave radiation, air and soil surface temperature, net radiation) were being collected at three sites. One station was at an undisturbed site, and the other two stations were in the bottoms of craters. Data collection was discontinued after June 1986.

STUDY SITE

Two craters at the Nevada Test Site were chosen for study because of their proximity to each other and to Mercury, Nev., and because they appear to be representative of most craters in the area. The craters, referred to as craters 1 and 3, are in Yucca Flat, approximately 56 kilometers north of Mercury (figs. 1 and 2).

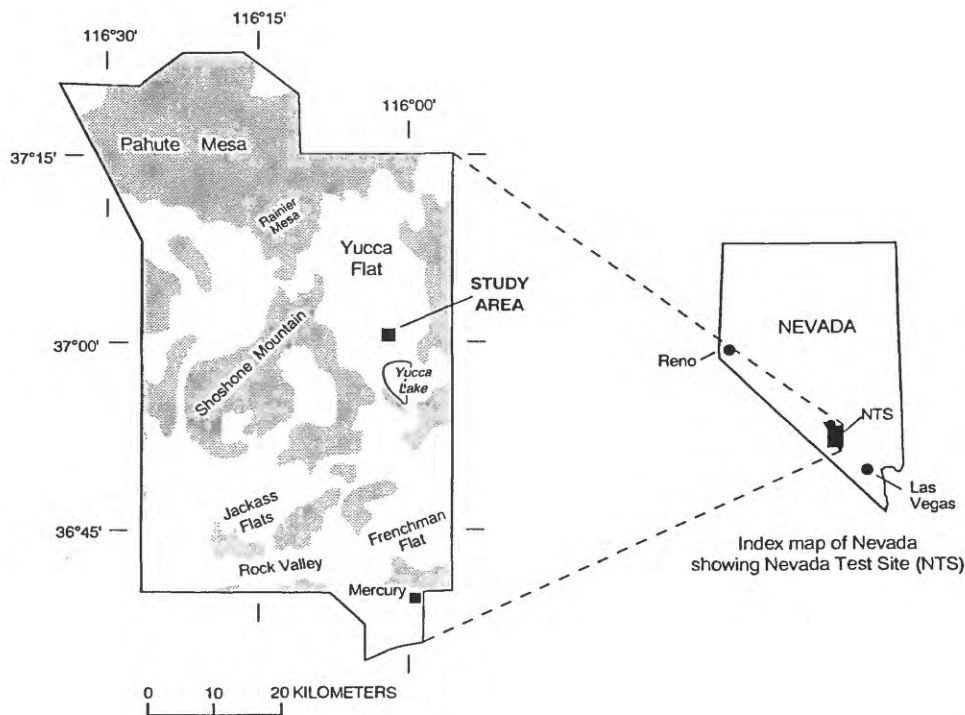


Figure 1. Location of study area within Nevada Test Site. Shading indicates higher altitude areas.

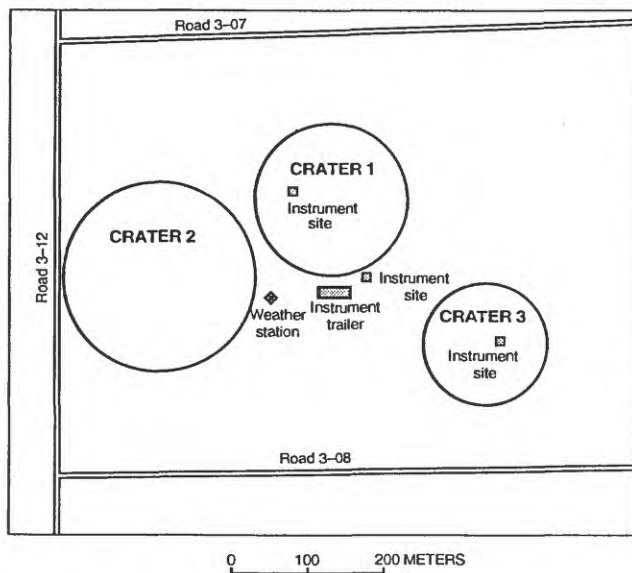


Figure 2. Location of U.S. Geological Survey instrument sites and weather station within study area (fig. 1).

Altitude of the undisturbed land surface is approximately 1,210 meters. The climate is arid. Precipitation in the area is 15 to 18 centimeters per year, and temperatures range from -10 to 41°C. The area is underlain by alluvial deposits. The depth to water is about 460 meters.

Crater 1 is approximately 13 meters in depth and 190 meters in diameter; crater 3 is approximately 22 meters in depth and 153 meters in diameter (fig. 2). The craters exhibit extensive erosional features with deep gullies down the sides and depositional fans in the bottom. An aerial view of the craters at the Nevada Test Site is shown in figure 3. The study sites have sparse vegetation, consisting of desert lowland shrubs and grasses. In this study, vegetation was assumed to be negligible and the area was considered to be bare soil.

INSTRUMENTATION

The weather-station instruments were erected at an undisturbed site near the southwest edge of crater 1 (fig. 2) and at a height of approximately 2 meters. Data on wind velocity and direction, relative humidity, and air temperature were collected. Instruments included a cup anemometer and wind vane for measuring wind velocity and direction and a relative-humidity probe with an attached thermistor (both enclosed in a fan-aspirated radiation shield) for measuring relative humidity and air temperature (fig. 4A). The instruments were connected to a programmable-data-logger system that processed and recorded the data (fig. 4B). The sensors were scanned every 60 seconds and data values recorded. These values were integrated over a period of 60 minutes, and the hourly average value was recorded.

Meteorological data for calculating bare-soil evaporation were recorded continuously at three stations. One station was at an undisturbed site just outside the south edge of crater 1; the other two were at the bottoms of craters 1 and 3 (fig. 2). Data collected include incoming and outgoing short- and long-wave radiation, air temperature, soil surface temperature, and net radiation. The instruments were approximately 1

meter above the land surface. Instruments at the undisturbed site and in crater 1 included two precision pyranometers for measuring incoming and outgoing short-wave radiation, two precision pyrgeometers for measuring incoming and outgoing long-wave radiation, a thermistor psychrometer for measuring air temperature, a net radiometer for measuring net radiation, and an infrared thermometer for measuring soil surface temperature (fig. 5). The site in crater 3 was equipped with pyranometers, a thermistor psychrometer, and an infrared thermometer; it had no pyrgeometers or net radiometer. All the instruments from the stations were connected to a central data-logger system that processed and stored the data (fig. 4B). Measurements were taken every 60 seconds, the values integrated over 60 minutes, and the hourly average value recorded.

DATA SUMMARY

The daily meteorological data, summarized from the hourly field data, are presented in tables 1 through 3. The daily weather-station data are summarized in table 4.



Figure 3. Surface-disruption features. View southeast, toward Yucca Lake. (Photograph courtesy of U.S. Department of Energy.)

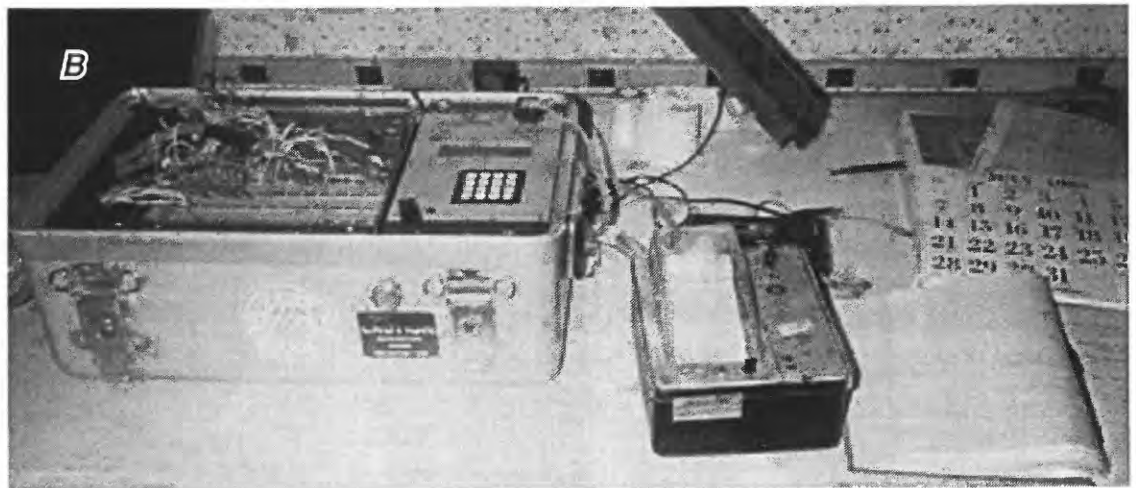


Figure 4. Weather-station instruments. A, Measuring devices: wind vane (a), cup anemometer (b), rain gage (c), relative-humidity probe with temperature sensor (d). Instrument trailer in left background. B, CR 7 data logger with printer attached.

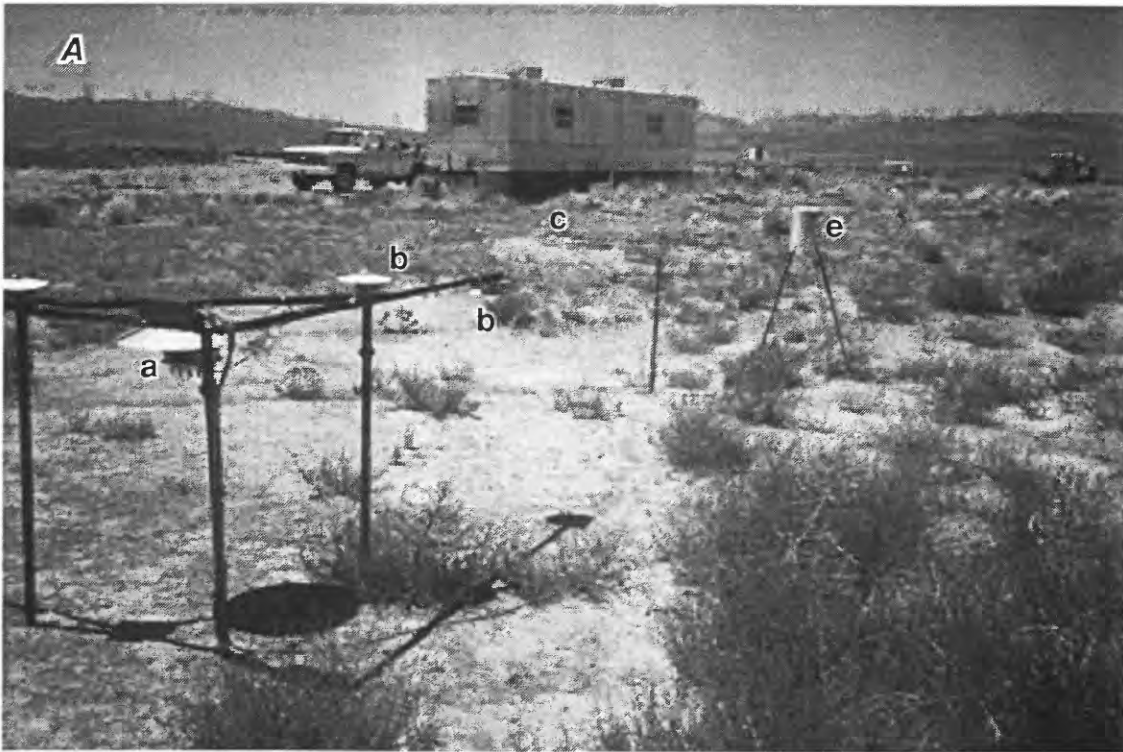


Figure 5. Instruments for collecting bare-soil evaporation data: thermistor psychrometers (a), Eppley pyranometers (b), net radiometer (c), pyrgeometers (d), I-R gun shelter (e). A, Station at original land surface. Instrument trailer in background. B, Station in crater 1.

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986

[Daily mean radiation: Pyranometer measured short-wave radiation; pyrgeometer measured long-wave radiation; net radiometer measured net radiation. In, incoming radiation; Out, outgoing radiation. --, no data or not calculated]

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
May 1985									
1.....	275	410	324	102	69	18.8	21.0	43.7	3.7
2.....	295	405	277	88	55	20.0	21.4	43.6	6.6
3.....	285	407	332	109	77	21.3	22.2	39.6	9.4
4.....	263	400	331	108	68	17.5	19.9	41.9	3.8
5.....	278	394	284	92	55	16.6	19.3	39.9	4.8
6.....	275	--	512	168	163	21.6	26.2	38.4	9.0
7.....	257	384	343	114	81	16.3	18.3	38.0	3.4
8.....	277	379	285	93	62	18.5	18.8	36.8	6.5
9.....	300	373	250	57	76	18.0	19.3	36.2	11.7
10.....	274	347	252	58	77	12.9	14.4	31.0	5.5
11.....	262	375	333	81	103	13.0	17.1	37.7	3.7
12.....	269	383	336	83	99	16.1	18.9	41.6	6.5
13.....	--	--	--	--	--	--	--	--	--
14.....	--	--	--	--	--	--	--	--	--
15.....	--	--	--	--	--	--	--	--	--
16.....	--	--	--	--	--	--	--	--	--
17.....	--	--	--	--	--	--	--	--	--
18.....	--	--	--	--	--	--	--	--	--
19.....	--	--	--	--	--	--	--	--	--
20.....	--	--	--	--	--	--	--	--	--
21.....	278	419	399	100	115	20.2	24.9	47.8	6.9
22.....	285	416	323	79	81	19.7	23.8	50.4	6.6
23.....	285	422	342	87	91	20.8	24.9	48.2	6.8
24.....	295	420	336	85	94	22.1	25.3	47.0	9.4
25.....	281	403	306	79	77	20.1	22.4	47.4	7.7
26.....	261	396	348	90	96	18.4	20.9	41.6	4.3
27.....	260	393	328	85	84	19.1	20.7	41.0	5.1
28.....	259	396	345	90	90	19.9	21.4	42.5	6.9
29.....	255	396	359	94	99	19.2	21.5	42.3	6.7
30.....	262	389	286	73	60	16.8	19.6	46.4	2.6
31.....	267	391	350	92	105	17.3	21.1	40.9	5.2
Mean.....	274	395	330	92	86	18.4	21.0	41.9	6.2
June 1985									
1.....	255	390	356	92	99	16.0	20.8	43.6	4.9
2.....	276	376	270	68	66	15.3	19.1	38.3	4.3
3.....	310	--	277	51	106	16.2	16.8	29.8	8.7
4.....	287	405	338	76	105	20.7	22.0	45.3	5.9
5.....	304	425	353	82	107	23.7	25.9	48.5	9.4
6.....	305	434	351	83	102	24.7	27.4	48.9	10.4
7.....	302	433	345	85	--	25.6	27.7	48.9	10.4
8.....	300	439	350	86	--	25.8	28.3	51.6	10.9
9.....	297	444	352	86	--	25.8	28.6	52.6	9.4
10.....	294	415	267	62	--	24.5	24.0	52.8	12.6
11.....	302	458	348	82	84	28.3	30.3	54.7	14.1
12.....	305	452	350	83	91	26.5	29.7	55.0	10.8
13.....	308	453	347	83	93	26.9	30.0	54.4	12.9
14.....	306	457	347	82	90	26.9	30.4	55.0	12.0
15.....	304	457	350	84	92	26.9	29.5	45.4	11.8

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
June 1985—Continued									
16.....	304	457	356	86	--	26.6	30.1	46.5	12.5
17.....	305	462	354	84	67	27.5	31.1	48.4	12.1
18.....	323	467	318	73	72	29.0	32.4	51.3	14.9
19.....	320	465	353	85	97	28.6	31.6	46.2	14.3
20.....	295	446	357	88	95	25.5	28.6	41.9	13.6
21.....	276	444	360	88	88	24.0	27.6	45.3	8.8
22.....	285	438	357	88	97	24.8	27.6	41.5	12.0
23.....	295	426	305	74	78	24.1	26.5	40.4	10.8
24.....	314	414	232	53	56	23.1	25.2	36.5	17.0
25.....	247	413	369	92	99	20.9	23.7	35.8	11.6
26.....	208	426	367	89	86	20.8	24.8	40.4	9.1
27.....	238	433	365	89	94	21.7	25.3	42.1	5.6
28.....	254	422	312	76	78	22.8	25.3	41.2	7.2
29.....	277	403	207	49	35	22.4	24.3	35.7	13.4
30.....	238	422	369	91	101	20.5	23.9	40.0	5.8
Mean.....	288	434	333	80	87	23.9	26.6	45.3	10.6
July 1985									
1.....	242	443	357	88	95	23.1	26.7	44.6	7.6
2.....	199	454	361	89	90	25.5	29.4	47.8	10.0
3.....	181	460	356	89	92	27.4	30.7	48.3	10.7
4.....	241	467	353	89	97	28.6	31.7	47.4	13.2
5.....	251	472	335	83	86	29.4	32.7	51.3	15.0
6.....	282	475	291	73	76	31.4	34.2	46.5	21.8
7.....	279	456	296	70	88	28.2	31.4	46.6	17.7
8.....	278	459	294	69	81	28.8	32.0	48.8	15.8
9.....	307	485	309	74	100	31.3	34.2	46.8	23.6
10.....	298	485	305	71	96	31.1	34.4	45.0	24.1
11.....	274	480	331	81	101	29.9	33.2	44.8	18.9
12.....	260	477	327	78	95	29.7	33.2	45.8	21.6
13.....	--	469	341	83	98	28.0	31.3	46.8	14.5
14.....	--	457	315	78	88	27.1	29.9	44.6	15.0
15.....	--	454	299	75	80	27.3	30.0	43.7	14.3
16.....	--	439	201	47	43	25.9	28.1	39.9	16.3
17.....	--	463	314	77	99	27.3	30.3	42.0	16.4
18.....	--	416	191	37	62	23.0	25.3	36.4	18.4
19.....	--	430	238	50	78	21.9	25.0	39.4	16.9
20.....	--	427	247	45	82	21.7	24.6	38.6	18.1
21.....	--	422	274	56	75	22.5	25.4	36.2	17.3
22.....	--	442	337	78	109	24.1	27.1	40.1	14.0
23.....	--	454	315	72	97	26.0	29.2	41.8	14.8
24.....	--	467	318	73	86	27.7	31.6	46.3	18.7
25.....	--	458	298	69	86	26.1	29.2	44.1	17.4
26.....	--	460	302	69	84	26.1	29.6	45.1	15.8
27.....	--	460	307	71	88	26.7	29.9	43.9	15.4
28.....	--	455	331	80	100	25.5	28.6	41.7	16.6
29.....	--	439	339	83	104	24.2	26.6	38.1	13.7
30.....	--	439	341	83	93	23.2	26.5	38.1	15.7
31.....	--	427	345	86	102	22.0	24.4	37.9	7.6
Mean.....	258	455	309	73	89	26.5	29.6	43.5	16.0

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation, (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
August 1985									
1.....	--	428	344	87	103	22.8	25.0	36.2	10.0
2.....	--	436	340	84	93	22.1	25.6	39.3	9.9
3.....	--	443	337	82	89	22.4	25.9	43.4	8.7
4.....	--	442	338	83	92	23.4	26.3	41.6	9.3
5.....	--	442	338	83	87	23.1	26.3	44.1	8.5
6.....	--	442	336	84	89	23.1	26.0	44.6	8.3
7.....	--	435	317	79	83	23.2	25.5	40.5	9.3
8.....	--	436	319	81	89	24.1	26.2	39.3	12.0
9.....	--	450	329	81	80	24.8	27.8	45.5	13.7
10.....	--	439	327	82	93	24.1	26.2	40.6	9.6
11.....	--	447	317	78	75	24.5	27.5	44.0	11.4
12.....	--	443	320	80	79	24.3	27.3	40.4	16.0
13.....	--	435	322	81	85	22.1	24.9	41.4	8.4
14.....	--	435	291	71	68	22.4	25.2	43.8	8.3
15.....	--	442	314	78	83	23.2	26.0	43.5	10.2
16.....	--	440	301	74	83	23.6	26.0	41.6	11.5
17.....	--	431	281	70	77	23.4	25.4	38.6	11.9
18.....	--	422	323	83	90	21.4	23.5	37.5	9.5
19.....	--	416	265	67	67	21.0	23.4	39.1	6.6
20.....	--	429	324	82	89	23.1	26.0	39.8	11.1
21.....	--	421	284	71	69	22.1	24.7	38.4	11.7
22.....	--	429	295	73	81	21.5	25.0	43.0	8.1
23.....	--	446	303	73	75	24.2	28.3	49.4	9.0
24.....	--	453	301	73	73	25.9	29.7	50.5	10.7
25.....	--	453	293	73	79	26.5	29.6	47.5	12.8
26.....	--	455	287	71	81	27.3	30.2	44.2	16.6
27.....	--	445	298	74	82	25.3	28.4	43.1	15.1
28.....	--	431	303	76	79	23.4	26.3	43.1	10.7
29.....	--	429	296	73	74	23.1	26.5	44.8	9.3
30.....	--	426	286	70	78	24.3	27.1	43.3	10.7
31.....	--	400	292	72	78	25.0	28.0	43.5	13.5
Mean.....	--	436	310	77	82	23.6	26.5	42.5	10.7
September 1985									
1.....	--	--	286	72	24	81.4	26.8	39.6	13.5
2.....	--	--	291	73	25	76.8	27.2	38.0	17.4
3.....	--	--	293	74	20	80.8	23.5	36.8	11.4
4.....	--	--	229	54	16	54.5	18.7	32.2	6.6
5.....	--	--	200	46	16	41.7	18.9	34.4	9.1
6.....	--	--	196	45	14	41.9	16.4	32.2	5.4
7.....	--	--	262	63	16	76.5	18.5	32.2	3.9
8.....	--	--	243	59	18	69.8	20.2	32.8	8.6
9.....	--	--	282	71	18	77.3	20.2	28.9	12.7
10.....	--	--	277	70	15	77.0	17.4	30.1	4.5
11.....	--	--	205	50	12	44.0	13.8	25.0	4.5
12.....	--	--	273	67	13	65.1	16.8	36.9	.2
13.....	--	--	263	66	16	67.4	18.6	36.5	2.9
14.....	--	--	264	67	17	67.6	20.0	36.4	3.9
15.....	--	--	260	66	18	68.5	20.3	35.7	6.9

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
September 1985--Continued									
16.....	--	--	266	67	17	67.6	19.4	34.4	5.3
17.....	--	--	263	67	17	72.9	18.8	30.9	5.2
18.....	--	--	70	12	15	-8.3	16.4	22.1	11.8
19.....	--	--	182	37	14	52.3	16.6	27.7	8.1
20.....	--	--	251	59	14	70.5	17.6	36.3	4.5
21.....	--	--	253	61	15	66.9	17.1	34.8	1.0
22.....	--	--	252	62	16	63.0	18.9	36.3	4.3
23.....	--	--	244	58	16	56.6	19.7	41.3	3.0
24.....	290	--	246	60	18	59.7	21.4	41.4	5.0
25.....	287	--	244	59	19	51.4	22.5	42.8	5.9
26.....	283	--	240	57	18	56.5	20.7	38.4	5.0
27.....	313	--	162	37	18	33.7	19.7	33.0	9.0
28.....	282	--	230	53	18	55.0	21.2	39.0	7.4
29.....	250	--	230	54	14	46.2	17.4	35.5	1.4
30.....	275	--	223	53	15	55.2	18.0	32.8	4.5
Mean.....	283	--	239	58	17	59.7	19.4	34.5	6.4
October 1985									
1.....	282	--	208	49	43	16.8	20.2	39.7	6.2
2.....	262	--	227	56	45	15.9	18.7	38.2	2.5
3.....	275	--	227	55	47	18.6	21.5	41.0	5.8
4.....	281	--	219	54	40	20.0	23.2	40.6	9.2
5.....	270	--	225	55	50	17.0	19.7	38.1	3.6
6.....	301	--	211	53	57	18.4	20.2	33.6	10.2
7.....	287	--	210	54	55	14.9	17.2	28.0	5.5
8.....	286	--	77	11	4	9.5	11.4	18.5	4.8
9.....	278	--	107	20	29	7.7	9.4	21.2	3.1
10.....	270	--	130	27	32	10.7	12.6	23.6	4.6
11.....	239	--	213	48	57	9.2	11.5	26.3	-1.0
12.....	246	--	187	42	32	9.9	12.3	26.8	-0.8
13.....	239	--	209	50	45	12.1	14.4	26.6	6.8
14.....	214	--	214	52	33	11.2	13.2	27.3	3.3
15.....	221	--	211	51	38	11.7	14.2	30.3	1.0
16.....	228	--	205	48	36	9.9	12.8	34.8	-2.1
17.....	236	--	200	46	35	11.4	14.1	35.1	-2.1
18.....	239	--	198	46	39	11.1	13.6	31.6	-1.2
19.....	244	--	193	45	40	10.8	13.3	30.3	-0.6
20.....	263	--	153	35	25	12.3	14.0	27.9	1.7
21.....	--	--	--	--	--	--	--	--	--
22.....	--	--	--	--	--	--	--	--	--
23.....	239	--	186	42	33	8.4	11.0	29.2	-3.5
24.....	252	--	182	41	22	11.9	14.4	33.1	.0
25.....	250	--	182	41	27	11.8	14.2	32.1	.7
26.....	248	--	181	41	28	12.1	14.6	35.4	.0
27.....	247	--	178	41	28	11.7	14.0	34.4	-0.3
28.....	270	--	90	18	-6	10.9	12.7	31.9	3.2
29.....	244	--	174	40	25	10.8	13.5	32.6	.1
30.....	252	--	159	37	23	10.3	12.5	28.7	-1.6
31.....	245	--	193	48	34	13.3	14.7	23.2	9.1
Mean.....	255	--	184	43	34	12.4	14.8	31.0	2.4

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
November 1985									
1.....	--	--	--	--	--	--	--	--	--
2.....	--	--	--	--	--	--	--	--	--
3.....	--	--	--	--	--	--	--	--	--
4.....	--	--	--	--	--	--	--	--	--
5.....	--	--	--	--	--	--	--	--	--
6.....	--	--	--	--	--	--	--	--	--
7.....	237	--	152	35	16	8.5	10.5	27.9	-2.8
8.....	234	--	142	34	13	7.4	9.2	23.9	-2.4
9.....	207	--	153	37	7	6.3	8.2	22.8	-1.8
10.....	224	--	138	36	5	8.0	9.1	14.6	5.3
11.....	--	--	--	--	--	--	--	--	--
12.....	238	--	81	55	-10	--	.1	7.3	-7.8
13.....	177	--	171	31	45	--	-2.5	10.8	-11.4
14.....	183	--	157	30	42	--	-1.1	9.0	-6.3
15.....	198	--	168	27	54	--	1.6	14.7	-7.4
16.....	208	--	124	19	29	--	3.4	17.8	-4.6
17.....	230	--	154	33	49	--	3.9	18.1	-4.8
18.....	178	--	151	41	21	--	1.3	6.8	-4.8
19.....	168	--	148	40	13	--	-1.0	12.7	-9.3
20.....	191	--	138	33	20	--	-1.1	14.7	-11.8
21.....	183	--	146	40	12	--	1.0	14.6	-7.8
22.....	202	--	135	35	8	--	.9	14.6	-8.1
23.....	240	--	60	12	-11	--	3.5	16.5	-4.1
24.....	268	--	70	15	-2	--	6.1	16.1	-.9
25.....	284	--	25		-17	--	7.7	11.7	5.2
26.....	230	--	136	20	49	4.0	6.4	18.4	-.2
27.....	244	--	107	18	26	3.6	5.5	15.6	-1.1
28.....	245	--	77	12	11	3.4	5.5	15.7	.1
29.....	260	--	61	13	1	4.8	6.0	14.7	.9
30.....	206	--	131	24	25	4.0	5.7	16.0	-1.4
Mean.....	219	--	123	28	18	5.6	3.9	15.4	-3.8
December 1985									
1.....	238	--	95	16	17	2.5	4.4	14.3	-2.3
2.....	281	--	4	--	-27	4.7	6.0	7.9	3.9
3.....	266	--	63	6	2	5.7	8.1	17.2	.5
4.....	230	--	131	19	38	3.4	5.8	20.5	-2.5
5.....	238	292	93	16	18	3.4	5.4	17.9	-.5
6.....	221	291	129	24	29	3.0	5.1	20.6	-3.8
7.....	207	286	116	24	17	2.9	4.6	17.1	-2.7
8.....	184	282	130	33	11	2.7	4.3	11.4	-5.0
9.....	--	--	--	--	--	--	--	--	--
10.....	--	--	--	--	--	--	--	--	--
11.....	--	--	--	--	--	--	--	--	--
12.....	--	--	--	--	--	--	--	--	--
13.....	183	268	120	28	11	-1.6	.3	15.4	-10.3
14.....	199	274	120	28	13	-.5	2.1	18.8	-8.7
15.....	199	278	112	24	9	2.2	4.3	21.6	-7.6
16.....	197	288	123	30	5	5.1	6.6	17.9	-2.3
17.....	198	295	124	30	4	6.1	7.5	19.3	-2.7
18.....	222	303	125	33	12	7.3	9.1	23.9	-2.5
19.....	217	293	123	31	14	4.4	6.1	26.6	-6.5
20.....	210	277	127	33	21	-.4	.3	24.6	-6.3

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
December 1985—Continued									
21.....	--	--	--	--	--	--	--	--	--
22.....	--	--	--	--	--	--	--	--	--
23.....	209	292	121	31	4	5.1	6.3	23.3	-5.6
24.....	212	306	121	30	-4	9.0	10.3	22.2	1.5
25.....	211	308	115	27	-12	8.7	10.6	24.6	-6
26.....	201	291	120	27	-7	2.9	5.1	24.7	-6.5
27.....	196	287	122	29	-8	1.9	4.0	23.3	-7.6
28.....	199	286	118	28	-5	1.4	3.3	21.1	-7.2
29.....	270	298	55	8	-7	3.6	5.6	15.0	-2.6
30.....	275	309	52	9	-13	6.5	8.5	18.8	1.9
31.....	235	294	78	15	-5	3.6	5.8	19.6	-2.0
Mean.....	220	290	105	24	5	3.7	5.6	19.5	-3.5
January 1986									
1.....	215	287	107	24	6	1.8	3.9	19.8	-5.6
2.....	231	287	93	18	2	1.9	3.9	16.5	-5.4
3.....	217	294	129	28	11	3.3	5.8	22.6	-4.8
4.....	277	314	83	17	3	7.2	9.3	19.2	2.3
5.....	284	310	39	4	-13	6.5	8.6	15.0	3.1
6.....	221	290	125	29	19	--	6.2	16.3	-4
7.....	181	280	132	33	4	--	4.5	15.0	-5.7
8.....	186	274	118	26	-2	--	1.9	21.7	-9.5
9.....	201	290	148	33	17	--	5.5	26.9	-7.2
10.....	207	297	125	28	0	--	7.5	28.7	-4.5
11.....	209	298	125	28	-3	--	7.4	27.5	-4.5
12.....	240	299	129	29	-1	--	7.1	28.0	-5.0
13.....	--	--	--	--	--	--	--	--	--
14.....	248	294	58	10	-18	--	5.5	17.2	-2.9
15.....	261	305	66	13	-8	--	7.5	14.6	1.2
16.....	226	293	95	20	-3	--	5.2	18.6	-2.0
17.....	221	294	118	26	9	--	5.3	20.8	-4.5
18.....	222	307	132	29	5	--	9.0	28.7	-1.8
19.....	223	302	116	26	0	--	7.6	24.9	-3.9
20.....	205	302	140	35	2	--	8.6	20.7	.0
21.....	--	--	--	--	--	--	--	--	--
22.....	--	--	--	--	--	--	--	--	--
23.....	--	--	--	--	--	--	--	--	--
24.....	199	304	164	41	13	--	8.3	21.5	-1.8
25.....	204	302	151	38	7	--	7.7	23.2	-3.3
26.....	205	299	151	36	6	--	7.0	27.8	-7.2
27.....	205	301	151	36	-6	--	6.7	28.3	-6.7
28.....	209	302	151	37	-7	4.2	6.9	25.3	-5.9
29.....	227	305	134	32	-6	5.3	7.2	23.8	-5.2
30.....	291	308	16	--	-27	7.0	8.6	11.3	6.8
31.....	271	316	85	9	0	8.5	10.2	17.0	7.3
Mean.....	225	298	114	26	0	5.1	6.8	21.5	-2.8

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
February 1986									
1.....	232	306	146	19	18	7.1	10.0	22.4	2.3
2.....	216	292	157	26	20	4.6	6.6	16.1	-8
3.....	200	295	185	29	33	3.5	5.8	18.3	-2.2
4.....	--	--	--	--	--	--	--	--	--
5.....	--	--	--	--	--	--	--	--	--
6.....	--	--	--	--	--	--	--	--	--
7.....	--	--	--	--	--	--	--	--	--
8.....	--	--	--	--	--	--	--	--	--
9.....	--	--	--	--	--	--	--	--	--
10.....	164	267	166	37	-4	-2.0	.0	12.4	-11.0
11.....	201	261	88	18	-24	-2.3	-.5	11.0	-9.3
12.....	243	270	40	4	-26	.1	1.9	9.3	-5.7
13.....	269	306	93	16	0	7.5	9.1	16.2	4.6
14.....	280	309	30	2	-31	8.3	9.8	16.0	7.1
15.....	270	311	116	17	17	8.3	9.6	15.7	7.1
16.....	235	304	109	15	-3	8.2	9.6	16.1	3.6
17.....	244	305	95	14	-11	8.5	9.8	18.3	1.8
18.....	271	319	94	15	-8	12.0	13.4	22.5	8.4
19.....	259	314	79	12	-23	11.8	12.9	17.6	6.3
20.....	200	298	172	36	-2	5.9	8.7	22.5	-2.2
21.....	195	302	197	45	5	6.0	8.9	25.8	-2.6
22.....	209	305	183	41	6	5.8	8.4	24.6	-2.9
23.....	228	322	191	43	11	10.0	12.3	31.9	-1.2
24.....	232	306	146	35	-1	9.3	10.7	28.6	2.8
25.....	--	--	--	--	--	--	--	--	--
26.....	240	346	203	46	9	13.9	--	--	--
27.....	245	346	205	50	10	14.7	--	--	--
28.....	230	340	207	49	10	12.6	--	--	--
Mean.....	232	306	138	27	0	7.3	8.2	19.2	.3
March 1986									
1.....	243	340	197	47	12	12.0	14.6	31.9	0.1
2.....	270	322	88	16	-20	10.5	12.1	23.8	5.5
3.....	260	343	202	49	18	12.9	15.7	31.0	5.8
4.....	242	344	207	49	11	13.0	16.4	35.1	4.3
5.....	242	347	217	51	15	12.6	16.0	36.0	.5
6.....	244	341	202	48	14	11.3	14.2	30.6	1.1
7.....	252	331	152	35	1	10.2	12.7	27.4	2.6
8.....	272	320	104	22	-5	10.8	12.1	20.1	5.6
9.....	239	308	204	45	34	7.2	9.5	18.6	-.7
10.....	284	290	36	0	-19	5.1	6.5	9.6	4.1
11.....	233	295	200	32	51	6.6	8.9	20.1	.9
12.....	218	285	120	19	-5	5.0	6.7	16.4	.9
13.....	233	284	151	29	15	3.5	6.1	18.8	-2.3
14.....	226	292	223	32	54	5.1	8.4	22.1	.9
15.....	222	288	211	39	50	3.9	6.2	18.6	-3.1
16.....	244	285	130	15	19	4.0	5.9	13.7	2.5
17.....	215	259	87	11	-16	1.3	2.6	11.7	-.5
18.....	--	--	--	--	--	--	--	--	--
19.....	--	--	--	--	--	--	--	--	--
20.....	214	319	252	56	28	9.7	13.6	32.8	.6

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
March 1986—Continued									
21.....	212	321	259	58	35	9.2	12.7	29.3	-1.0
22.....	215	326	260	60	35	9.7	13.1	30.1	-1.4
23.....	241	325	200	44	17	11.0	13.6	29.7	-3
24.....	248	334	212	49	22	12.6	15.1	27.0	5.6
25.....	237	340	256	61	29	12.9	16.5	35.0	.9
26.....	239	345	256	59	18	13.3	17.1	36.8	2.0
27.....	235	346	258	60	30	13.6	17.3	37.0	1.5
28.....	267	346	214	48	21	15.2	18.0	37.3	2.8
29.....	296	323	98	17	-14	16.8	18.9	28.8	12.7
30.....	252	329	250	58	36	14.8	17.9	32.0	5.1
31.....	268	314	147	30	6	14.2	16.6	31.7	5.2
Mean.....	244	319	186	39	17	9.9	12.6	26.7	2.1
April 1986									
1.....	--	--	226	55	36	14.9	17.4	28.0	7.8
2.....	--	--	272	71	34	7.9	10.7	21.6	3.4
3.....	--	--	277	70	31	11.1	14.8	31.7	3.1
4.....	--	--	248	62	29	9.6	12.8	26.5	-7
5.....	--	--	208	51	16	10.7	13.1	24.6	.8
6.....	--	--	87	15	-17	7.2	9.3	20.7	3.6
7.....	--	--	228	50	46	8.4	11.2	21.6	3.6
8.....	--	--	253	55	46	9.8	13.3	26.7	3.6
9.....	--	--	257	57	36	11.8	15.9	35.3	.8
10.....	--	--	227	51	30	12.4	15.7	32.5	3.4
11.....	--	--	286	67	47	12.5	16.2	33.3	1.5
12.....	--	--	289	72	54	12.1	14.2	26.6	3.6
13.....	--	--	309	84	38	9.0	12.6	25.9	2.1
14.....	--	--	--	--	--	--	--	--	--
15.....	--	--	--	--	--	--	--	--	--
16.....	--	--	--	--	--	--	--	--	--
17.....	--	--	--	--	--	--	--	--	--
18.....	--	--	--	--	--	--	--	--	--
19.....	--	--	--	--	--	--	--	--	--
20.....	--	--	--	--	--	--	--	--	--
21.....	--	--	--	--	--	--	--	--	--
22.....	--	373	289	73	45	17.3	20.1	35.0	5.4
23.....	--	358	286	73	50	15.1	17.6	29.8	3.2
24.....	--	348	196	47	10	14.6	17.6	30.6	8.8
25.....	--	352	303	79	56	14.1	17.0	26.8	4.2
26.....	--	333	313	83	47	10.3	13.7	24.8	4.3
27.....	--	357	320	82	53	12.3	16.5	35.1	.9
28.....	--	373	343	90	71	16.4	19.6	34.3	2.8
29.....	--	380	311	80	48	17.8	22.0	40.1	7.5
30.....	--	368	294	74	41	15.6	19.3	36.0	4.1
Mean.....	--	360	265	66	38	12.3	15.5	29.5	3.5

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
May 1986									
1.....	--	370	263	67	37	17.3	20.2	33.6	5.8
2.....	--	375	331	88	62	17.7	20.8	35.2	6.2
3.....	--	368	333	90	70	17.8	20.1	31.0	7.5
4.....	--	355	301	79	47	12.8	16.5	28.3	6.2
5.....	--	347	263	67	40	11.7	14.7	27.6	-1.5
6.....	--	303	73	8	-16	6.7	8.9	14.9	5.3
7.....	--	331	335	82	80	9.9	13.6	28.6	2.4
8.....	--	337	289	69	44	11.3	14.7	28.8	2.3
9.....	--	355	338	82	58	13.0	17.3	34.3	2.0
10.....	--	356	324	80	66	13.8	18.2	30.9	4.8
11.....	--	365	334	83	61	--	18.9	32.1	4.0
12.....	--	378	335	82	54	--	21.0	40.1	3.3
13.....	--	387	327	80	58	18.3	22.4	38.6	6.6
14.....	--	390	297	71	52	19.4	22.8	38.7	7.8
15.....	--	402	311	76	50	21.2	25.0	40.2	16.2
16.....	--	389	343	86	52	19.3	23.0	37.4	10.7
17.....	--	386	351	87	56	17.3	22.0	40.2	6.6
18.....	--	--	--	--	--	--	--	--	--
19.....	--	--	--	--	--	--	--	--	--
20.....	--	405	325	84	68	21.7	24.3	41.5	3.4
21.....	--	394	338	89	75	20.6	23.1	32.3	15.1
22.....	--	381	324	84	53	16.9	21.0	39.6	9.0
23.....	--	390	312	80	58	17.2	21.0	36.3	3.0
24.....	--	405	332	85	58	20.3	24.6	43.4	5.9
25.....	--	416	339	85	60	22.4	26.5	45.7	7.1
26.....	--	415	338	86	63	23.1	26.6	44.5	8.6
27.....	--	417	336	84	60	24.0	27.7	44.7	10.6
28.....	--	414	306	77	58	24.5	27.6	43.8	12.0
29.....	--	420	286	67	38	25.6	29.5	48.9	12.2
30.....	--	411	338	82	68	24.2	27.3	46.5	13.9
31.....	--	--	--	--	--	--	--	--	--
Mean.....	--	381	312	78	55	18.0	21.4	36.7	7.1
June 1986									
1.....	--	447	330	78	55	28.7	33.1	49.1	19.5
2.....	--	430	290	70	52	27.1	30.3	43.1	18.7
3.....	--	428	336	81	62	25.8	29.4	43.4	14.6
4.....	--	414	297	70	48	25.1	27.8	41.3	13.3
5.....	--	405	358	90	66	23.2	26.4	37.3	14.5
6.....	--	401	352	88	62	20.3	24.0	39.0	8.3
7.....	--	396	351	88	68	20.7	23.7	36.0	9.1
8.....	--	403	337	85	59	22.6	25.7	37.4	16.8
9.....	--	408	356	89	53	22.6	26.6	42.9	10.7
10.....	--	414	351	85	55	22.4	27.0	42.9	10.7
11.....	--	418	350	85	59	22.9	27.0	44.2	8.9
12.....	--	412	350	87	60	22.9	26.3	41.2	10.0
13.....	--	419	352	87	57	22.9	27.1	45.2	8.8
14.....	--	409	330	83	54	23.4	26.3	40.1	9.3
15.....	--	404	308	77	46	22.4	25.6	40.3	9.8

Table 1. Radiation and temperature field data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
June 1986—Continued									
16.....	--	--	--	--	--	--	--	--	--
17.....	--	413	365	94	70	23.1	26.4	40.8	8.7
18.....	--	413	359	92	70	22.8	25.9	40.3	8.7
19.....	--	418	359	92	62	22.7	26.6	43.6	9.5
20.....	--	412	363	93	68	21.5	25.3	41.4	8.2
21.....	--	417	355	90	59	22.5	26.7	46.2	7.3
22.....	--	425	356	89	59	23.9	28.1	46.7	7.7
23.....	--	425	318	78	53	24.8	28.2	47.2	9.4
24.....	--	441	351	91	74	26.0	29.6	45.7	11.8
25.....	--	450	349	89	69	27.8	31.6	46.3	15.7
26.....	--	438	340	88	60	26.7	29.7	45.0	13.8
27.....	--	421	264	67	29	26.6	28.6	40.7	13.6
28.....	--	431	309	79	53	27.1	29.5	42.2	14.4
29.....	--	436	359	94	67	26.7	29.7	41.3	14.2
30.....	--	--	--	--	--	--	--	--	--
Mean.....	--	420	339	85	59	24.1	27.6	42.5	11.6

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986

[Daily mean radiation: Pyranometer measured short-wave radiation; pyrgeometer measured long-wave radiation; net radiometer measured net radiation. In, incoming radiation; Out, outgoing radiation. Daily mean air temperature: Values were obtained from thermistor. --, no data or not calculated]

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
May 1985									
1.....	259	367	320	82	103	--	23.0	52.8	1.3
2.....	282	367	273	70	89	22.2	22.9	50.9	4.2
3.....	270	372	329	86	119	20.1	23.0	47.2	6.2
4.....	252	366	330	86	109	16.6	21.3	52.4	1.0
5.....	265	360	281	73	88	16.0	20.9	51.6	2.2
6.....	254	360	330	87	115	16.1	21.0	48.7	1.9
7.....	245	357	337	91	117	15.8	20.1	48.2	.8
8.....	263	357	281	74	94	18.0	19.8	45.5	3.2
9.....	284	348	232	49	94	17.4	19.9	42.6	10.2
10.....	259	324	237	49	101	12.4	15.2	37.4	3.7
11.....	247	349	328	74	125	12.7	19.4	46.4	1.5
12.....	254	357	327	76	126	15.5	20.4	51.2	4.7
13.....	--	--	--	--	--	--	--	--	--
14.....	--	--	--	--	--	--	--	--	--
15.....	--	--	--	--	--	--	--	--	--
16.....	--	--	--	--	--	--	--	--	--
17.....	--	--	--	--	--	--	--	--	--
18.....	--	--	--	--	--	--	--	--	--
19.....	--	--	--	--	--	--	--	--	--
20.....	--	--	--	--	--	--	--	--	--
21.....	267	385	394	91	151	18.5	26.6	56.7	4.0
22.....	272	377	316	72	108	19.1	25.6	61.1	3.7
23.....	277	383	335	78	117	20.2	26.6	58.0	3.7
24.....	283	387	331	78	121	21.2	27.2	57.7	6.6
25.....	266	373	301	71	102	19.3	23.7	56.3	4.9
26.....	259	365	342	82	123	17.9	22.7	51.2	.9
27.....	246	364	325	77	113	18.1	22.6	51.0	1.3
28.....	245	369	340	80	121	19.4	24.4	53.0	5.1
29.....	242	370	354	84	129	18.7	24.5	52.9	4.4
30.....	248	359	284	67	83	16.4	22.2	57.6	-1.4
31.....	254	362	346	82	133	16.8	24.0	55.7	2.8
Mean.....	261	364	316	77	112	17.6	22.5	51.6	3.3
June 1985									
1.....	242	358	353	82	127	15.0	22.4	53.3	1.4
2.....	259	348	268	62	87	15.1	20.2	46.4	1.4
3.....	276	313	270	39	125	15.6	17.2	33.0	7.6
4.....	276	365	336	65	139	20.6	23.4	52.8	5.1
5.....	288	386	347	71	137	23.1	28.4	57.9	8.1
6.....	289	394	346	73	131	22.8	28.9	57.4	8.8
7.....	285	395	348	74	131	24.7	28.5	54.3	8.7
8.....	285	399	351	76	130	24.9	29.5	58.2	9.0
9.....	283	401	353	76	127	25.0	29.8	59.2	7.5
10.....	282	374	265	59	75	26.2	23.6	57.8	9.7
11.....	290	411	342	73	117	28.0	31.6	61.0	11.4
12.....	289	404	343	74	121	25.3	30.4	60.8	8.3
13.....	295	408	340	74	122	26.0	31.3	59.9	10.8
14.....	292	408	341	74	120	25.8	30.7	59.7	10.0
15.....	291	408	344	75	122	25.9	32.4	62.6	9.5

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986--
Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
June 1985—Continued									
16.....	284	406	350	77	124	26.4	31.8	63.3	8.1
17.....	289	410	347	76	119	27.4	32.6	65.3	8.0
18.....	306	414	312	67	104	28.2	33.3	66.7	10.2
19.....	305	417	346	77	--	27.5	33.4	62.8	10.2
20.....	280	404	351	79	--	24.3	30.7	61.0	9.7
21.....	263	396	353	79	--	23.2	29.6	63.3	4.7
22.....	276	399	350	79	--	24.3	29.7	60.4	7.1
23.....	285	387	298	65	--	24.1	27.6	60.6	6.8
24.....	300	375	227	45	--	21.8	25.9	56.4	12.0
25.....	254	378	362	80	121	19.8	27.3	58.6	6.2
26.....	242	378	362	79	101	21.6	27.1	61.1	2.0
27.....	255	387	360	79	103	21.6	28.2	63.0	2.4
28.....	272	383	308	68	84	24.3	26.1	59.1	3.5
29.....	290	372	205	43	41	20.8	23.7	47.0	9.4
30.....	253	381	361	80	105	25.5	24.6	53.0	3.1
Mean.....	279	389	328	71	113	23.5	28.0	57.9	7.4
July 1985									
1.....	271	394	351	78	102	--	27.5	57.7	5.1
2.....	274	401	354	78	101	--	29.2	59.5	5.7
3.....	287	409	350	78	100	--	31.0	60.3	6.7
4.....	299	419	346	78	102	--	32.3	58.7	9.6
5.....	305	419	329	73	94	--	32.6	60.2	11.2
6.....	331	425	285	63	82	--	33.6	56.8	16.7
7.....	328	406	295	60	97	--	29.8	58.6	13.9
8.....	325	412	289	59	92	--	31.0	59.5	11.4
9.....	355	436	305	65	108	--	35.6	60.2	20.0
10.....	349	431	296	63	102	--	35.6	58.8	19.2
11.....	332	404	325	71	108	--	32.7	55.8	14.8
12.....	326	384	316	70	103	--	33.9	58.0	16.0
13.....	309	394	334	74	106	--	32.2	58.6	11.4
14.....	309	389	309	69	97	--	30.9	57.2	11.8
15.....	320	382	296	66	93	--	31.0	54.8	11.2
16.....	330	--	199	41	47	--	28.2	51.9	13.6
17.....	336	--	309	68	109	--	32.3	56.2	13.5
18.....	338	--	187	30	76	--	25.2	38.3	17.7
19.....	330	--	233	45	83	--	25.7	53.9	14.4
20.....	333	--	243	34	123	--	23.3	37.7	16.5
21.....	325	--	257	45	120	--	24.9	42.2	15.5
22.....	304	--	328	68	131	--	28.3	53.2	12.0
23.....	320	--	309	64	109	--	30.4	56.8	11.7
24.....	317	--	312	64	104	--	32.0	60.5	13.6
25.....	320	--	289	61	96	--	30.8	60.9	14.8
26.....	314	--	296	62	100	--	30.8	60.4	12.3
27.....	316	--	302	64	101	--	31.2	62.6	12.1
28.....	306	--	324	70	115	--	30.0	58.8	12.7
29.....	293	--	331	74	120	--	28.1	53.9	10.0
30.....	275	--	--	75	108	--	27.2	56.0	7.4
31.....	272	--	339	77	120	--	25.6	52.8	5.1
Mean.....	314	407	301	64	102	--	30.1	55.8	12.5

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
August 1985									
1.....	278	--	338	77	122	--	25.3	51.7	5.2
2.....	273	--	333	75	108	--	26.7	57.6	5.4
3.....	277	--	330	73	105	--	27.6	60.0	4.9
4.....	281	--	331	75	108	--	27.9	58.1	5.4
5.....	277	--	330	75	103	--	27.8	60.0	4.7
6.....	278	--	328	75	105	--	27.8	60.7	5.4
7.....	280	--	311	72	98	--	26.8	56.5	5.6
8.....	288	--	308	72	104	--	26.9	57.3	6.8
9.....	287	--	323	72	103	--	28.9	60.5	7.0
10.....	286	--	320	73	112	--	27.5	56.2	6.2
11.....	282	--	310	69	99	--	28.8	60.6	7.0
12.....	--	--	315	71	96	--	28.3	58.8	8.6
13.....	--	--	312	72	99	--	26.9	59.2	4.8
14.....	--	--	284	64	83	--	26.4	60.5	4.8
15.....	--	--	302	70	97	--	27.8	59.4	6.6
16.....	--	--	283	66	98	--	27.7	59.3	7.6
17.....	--	--	255	62	94	--	26.7	56.0	8.8
18.....	--	--	292	75	79	--	24.7	53.3	4.9
19.....	--	--	261	62	69	--	22.4	68.0	3.4
20.....	--	--	315	74	106	--	25.8	55.4	5.8
21.....	--	--	278	64	84	--	24.4	55.3	5.7
22.....	--	--	289	65	91	--	25.9	57.6	5.1
23.....	--	--	295	65	95	--	28.4	62.2	5.8
24.....	--	--	294	65	93	--	29.5	62.5	6.9
25.....	--	--	288	66	96	--	30.0	61.2	9.2
26.....	--	--	281	64	98	--	30.6	58.8	12.5
27.....	--	--	291	66	99	--	29.2	58.2	11.2
28.....	--	--	296	68	95	--	26.8	58.2	7.0
29.....	--	--	289	66	73	--	27.0	59.5	5.7
30.....	--	--	292	63	94	--	28.1	58.5	7.5
31.....	--	--	284	65	93	--	28.9	59.4	9.0
Mean.....	281	--	302	69	97	--	27.4	58.7	6.6
September 1985									
1.....	--	--	275	65	98	--	27.9	54.0	10.3
2.....	--	--	284	66	93	--	27.0	54.3	10.2
3.....	--	--	285	67	95	--	24.9	54.0	5.9
4.....	--	--	227	50	65	--	20.8	51.1	3.5
5.....	--	--	196	42	48	--	19.9	54.3	4.8
6.....	--	--	193	41	51	--	17.5	51.6	2.8
7.....	--	--	257	58	87	--	20.4	49.4	1.5
8.....	--	--	237	52	84	--	21.1	48.6	5.7
9.....	--	--	262	64	94	--	20.1	44.7	6.5
10.....	--	--	272	63	90	--	18.6	48.1	.7
11.....	--	--	196	46	55	--	14.9	45.8	2.1
12.....	--	--	265	61	83	--	17.7	51.1	-3.2
13.....	--	--	250	59	82	--	19.6	51.3	-2
14.....	--	--	212	60	81	--	20.1	49.4	1.2
15.....	--	--	254	59	83	--	20.9	51.0	2.9

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
September 1985—Continued									
16.....	--	--	254	61	81	--	19.8	49.4	0.8
17.....	276	--	253	61	89	--	19.4	46.5	1.0
18.....	312	--	68	9	-3	--	15.8	27.9	9.2
19.....	287	--	176	31	62	--	15.4	33.6	4.9
20.....	250	--	214	52	93	--	16.5	46.2	-5
21.....	247	--	--	54	81	--	16.7	46.2	-2.2
22.....	262	--	--	54	84	--	18.6	48.3	.9
23.....	256	--	--	52	71	--	19.2	50.9	-2
24.....	270	374	--	53	73	--	20.8	52.1	1.1
25.....	268	374	--	52	73	--	21.4	53.6	2.1
26.....	266	365	--	52	69	--	20.5	50.8	1.6
27.....	295	360	--	33	42	--	19.3	48.3	5.5
28.....	266	362	--	47	77	--	19.7	49.9	3.5
29.....	240	342	--	49	60	--	16.4	47.8	-3.5
30.....	266	352	--	54	64	--	18.5	47.4	1.2
Mean.....	269	361	232	52	74	--	19.6	48.6	2.7
October 1985									
1.....	271	357	--	50	55	--	19.8	54.3	2.7
2.....	252	349	--	54	64	--	18.0	48.9	-1.5
3.....	266	360	--	54	67	--	19.8	51.1	.9
4.....	272	367	--	52	56	--	20.6	50.7	3.8
5.....	263	355	--	54	61	--	19.1	49.6	.4
6.....	294	362	--	52	68	--	20.5	47.7	6.8
7.....	277	348	--	53	65	--	18.8	45.0	2.2
8.....	271	306	--	8	10	--	10.7	22.6	1.3
9.....	267	294	--	18	34	--	7.6	26.3	-1.1
10.....	261	306	--	23	36	--	8.7	27.3	.6
11.....	237	310	--	46	73	--	10.3	35.0	-3.7
12.....	239	314	--	42	49	--	11.6	36.5	-4.1
13.....	233	321	--	47	61	--	12.9	39.0	.3
14.....	211	313	--	50	--	--	10.3	37.6	-4.6
15.....	219	316	--	49	--	--	10.8	38.8	-4.9
16.....	222	313	--	47	--	--	11.3	41.8	-6.0
17.....	230	320	--	45	--	--	12.3	43.0	-5.5
18.....	230	320	--	45	--	--	12.4	41.3	-4.6
19.....	236	317	--	44	--	--	12.3	40.8	-4.0
20.....	254	322	--	34	--	--	12.6	39.0	-1.0
21.....	--	--	--	--	--	--	--	--	--
22.....	--	--	--	--	--	--	--	--	--
23.....	228	305	--	42	--	--	11.8	40.3	-5.1
24.....	245	320	--	41	--	--	14.7	44.5	-2.3
25.....	239	320	--	42	--	--	14.5	43.4	-1.9
26.....	237	319	--	41	--	--	14.7	46.2	-2.5
27.....	237	316	--	40	--	--	14.3	44.6	-2.6
28.....	260	309	--	18	--	--	11.2	41.7	1.5
29.....	234	316	--	43	--	--	11.4	38.7	-3.9
30.....	244	313	--	40	--	--	11.0	38.7	-5.5
31.....	241	319	--	53	--	--	12.0	30.7	-.6
Mean.....	247	324	--	42	54	--	13.7	40.9	-1.5

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
November 1985									
1.....	--	--	--	--	--	--	--	--	--
2.....	--	--	--	--	--	--	--	--	--
3.....	--	--	--	--	--	--	--	--	--
4.....	--	--	--	--	--	--	--	--	--
5.....	--	--	--	--	--	--	--	--	--
6.....	--	--	--	--	--	--	--	--	--
7.....	224	302	--	39	--	--	10.6	37.7	-4.1
8.....	221	293	--	37	--	--	9.2	34.9	-3.6
9.....	199	285	--	40	--	--	7.7	33.6	-5.7
10.....	214	285	--	37	--	--	7.1	21.4	-1.0
11.....	265	264	--	--	--	--	2.3	6.3	-1.8
12.....	233	247	--	55	--	--	-2.4	1.0	-13.4
13.....	174	242	--	27	--	--	-3.1	9.0	-9.7
14.....	179	251	--	28	--	--	-1.8	10.5	-7.7
15.....	196	261	--	26	--	--	-1	14.8	-8.3
16.....	223	262	--	18	--	--	1.3	18.5	-6.0
17.....	225	266	--	30	--	--	2.2	19.3	-6.0
18.....	173	249	--	37	--	--	-1.2	10.2	-9.8
19.....	162	248	--	37	--	--	-3.8	14.4	-12.8
20.....	184	251	--	32	--	--	-3.2	16.0	-13.3
21.....	176	256	--	37	--	--	-1.8	18.7	-11.8
22.....	194	259	--	32	--	--	-1.8	19.0	-10.1
23.....	235	258	--	11	--	--	.8	19.5	-6.1
24.....	260	275	--	14	--	--	4.7	21.6	-3.8
25.....	--	--	--	--	--	--	--	--	--
26.....	226	274	--	19	--	--	3.4	18.2	-2.5
27.....	236	267	--	17	--	--	3.1	15.9	-3.9
28.....	243	264	--	11	--	--	3.5	18.8	-2.8
29.....	256	270	--	11	--	--	3.8	24.6	-2.4
30.....	202	267	--	21	--	--	2.4	15.2	-3.6
Mean.....	213	265	--	28	--	--	1.9	18.2	-6.5
December 1985									
1.....	233	266	--	15	--	--	2.4	15.9	-5.2
2.....	280	274	--	--	--	--	4.2	6.0	1.4
3.....	253	276	--	5	--	--	5.8	19.9	-2.6
4.....	218	268	--	17	--	6.9	2.7	19.2	-5.7
5.....	231	266	--	14	--	3.0	3.0	17.5	-3.8
6.....	214	265	--	24	--	5.8	1.3	19.1	-7.7
7.....	205	263	--	23	--	6.8	1.1	19.3	-6.9
8.....	178	260	--	31	--	3.8	-1.5	14.5	-11.1
9.....	--	--	--	--	--	--	--	--	--
10.....	--	--	--	--	--	--	--	--	--
11.....	--	--	--	--	--	--	--	--	--
12.....	--	--	--	--	--	--	--	--	--
13.....	179	243	90	28	--	--	-4.1	18.9	-14.9
14.....	194	249	82	28	--	--	-2.0	20.9	-13.8
15.....	192	255	90	24	--	--	-1.1	22.4	-12.7
16.....	192	265	103	30	--	--	.3	19.7	-10.6
17.....	192	268	104	30	--	--	1.3	20.4	-11.6
18.....	214	290	104	32	--	--	--	--	--
19.....	209	280	92	30	--	--	--	--	--
20.....	201	263	107	34	--	--	--	--	--

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
December 1985--Continued									
21.....	--	--	--	--	--	--	--	--	--
22.....	--	--	--	--	--	--	--	--	--
23.....	203	272	86	31	--	--	--	--	--
24.....	208	278	89	29	--	--	4.0	23.7	-8.4
25.....	207	280	96	27	--	--	4.3	26.7	-7.6
26.....	196	265	99	28	--	--	.3	25.7	-11.4
27.....	191	261	85	29	--	--	-4	25.2	-12.5
28.....	194	259	85	28	--	--	-4	24.2	-11.9
29.....	259	268	45	7	--	--	4.1	18.1	-7.4
30.....	261	278	44	8	--	--	6.3	26.7	-3.1
31.....	233	266	66	15	--	--	3.4	26.0	-6.8
Mean.....	213	267	86	24	--	5.3	1.7	20.5	-8.3
January 1986									
1.....	213	258	89	23	--	--	1.6	23.8	-9.2
2.....	230	261	57	18	--	--	1.8	20.4	-9.4
3.....	214	268	99	28	--	--	3.7	24.9	-8.7
4.....	265	289	69	18	--	--	7.4	16.4	.6
5.....	269	278	33	2	--	--	8.7	12.6	6.8
6.....	212	267	95	26	--	--	8.0	15.8	-6.5
7.....	171	256	110	33	--	--	-7	16.7	-10.5
8.....	176	248	102	26	--	--	-2.5	22.8	-14.0
9.....	197	266	111	32	--	--	-3.1	25.4	-12.2
10.....	204	271	90	28	--	--	1.9	28.1	-10.2
11.....	207	272	104	28	--	--	2.2	28.8	-9.8
12.....	204	273	108	30	--	--	2.1	29.3	-9.9
13.....	--	--	--	--	--	--	--	--	--
14.....	241	266	21	10	--	--	2.5	19.2	-8.3
15.....	254	277	55	12	--	--	5.3	22.6	-4.4
16.....	220	264	100	20	--	--	2.5	25.0	-7.0
17.....	216	267	111	25	--	--	2.3	26.0	-8.7
18.....	218	283	103	30	--	--	4.7	30.8	-8.1
19.....	217	275	96	26	--	--	3.3	28.4	-9.6
20.....	199	274	118	34	--	--	3.1	25.2	-8.1
21.....	--	--	--	--	--	--	--	--	--
22.....	--	--	--	--	--	--	--	--	--
23.....	--	--	--	--	--	--	--	--	--
24.....	196	276	--	41	--	--	3.5	27.0	-9.6
25.....	199	274	--	38	--	--	2.5	27.2	-12.2
26.....	199	274	--	36	--	--	2.3	31.2	-12.7
27.....	199	274	--	36	--	--	2.6	32.1	-12.6
28.....	207	276	--	37	--	--	3.5	30.5	-11.1
29.....	224	278	--	32	--	--	4.8	30.4	-10.1
30.....	279	274	--	--	--	--	7.2	11.1	4.1
31.....	264	282	--	8	--	--	8.3	17.3	4.4
Mean.....	218	271	88	26	--	--	3.3	24.0	-7.7

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
February 1986									
1.....	227	282	--	15	--	--	7.5	20.5	-0.1
2.....	210	263	--	22	--	--	4.1	17.4	-1.7
3.....	203	257	--	24	--	--	4.0	18.4	-4.3
4.....	--	--	--	--	--	--	--	--	--
5.....	--	--	--	--	--	--	--	--	--
6.....	--	--	--	--	--	--	--	--	--
7.....	--	--	--	--	--	--	--	--	--
8.....	--	--	--	--	--	--	--	--	--
9.....	--	--	--	--	--	--	--	--	--
10.....	155	207	--	43	--	-0.5	-2.4	20.9	-14.8
11.....	189	245	--	18	-17	-2.2	-2.9	20.4	-13.4
12.....	237	254	--	4	-19	1.1	.2	9.5	-10.0
13.....	259	277	--	13	11	8.0	6.6	18.1	2.6
14.....	277	278	--	--	-25	8.3	7.3	16.9	3.1
15.....	264	277	--	12	30	8.5	7.5	18.1	2.4
16.....	228	276	--	10	23	7.9	5.5	18.4	-2.3
17.....	236	271	--	9	0	8.6	5.7	18.6	-2.5
18.....	260	286	--	12	3	9.2	9.4	26.9	1.6
19.....	248	283	--	11	-5	--	9.1	18.6	1.2
20.....	194	270	--	37	14	--	7.3	18.4	-4
21.....	189	275	--	46	22	--	15.2	26.9	3.2
22.....	206	276	--	42	22	--	1.6	15.1	-10.7
23.....	223	294	--	43	27	--	7.3	13.2	-3.2
24.....	--	--	--	--	--	--	--	--	--
25.....	--	--	--	--	--	--	--	--	--
26.....	234	318	--	48	25	--	12.9	41.0	-3.2
27.....	234	321	--	51	26	--	12.5	38.6	-1.1
28.....	225	314	--	50	25	--	12.1	40.4	-4.3
Mean.....	225	276	--	27	10	5.4	6.5	21.8	-2.9
March 1986									
1.....	236	315	--	48	26	--	12.5	39.2	-4.3
2.....	253	298	--	16	-10	--	9.4	29.7	1.1
3.....	245	320	--	49	37	--	12.9	37.0	-2
4.....	217	320	--	50	26	--	13.1	41.0	-2.8
5.....	194	322	--	53	33	--	12.6	41.3	-4.4
6.....	207	316	--	50	30	--	11.9	40.0	-4.2
7.....	216	305	--	35	16	--	10.5	37.5	-2.7
8.....	237	297	--	21	7	--	8.9	29.8	.3
9.....	203	291	--	43	59	--	8.8	30.2	-3.9
10.....	247	273	--	--	-14	--	5.8	12.5	2.2
11.....	--	279	--	29	68	--	5.7	23.0	-2.9
12.....	--	267	--	16	4	--	2.8	25.8	-5.6
13.....	--	267	--	31	25	--	4.9	25.3	-6.8
14.....	--	273	--	31	68	--	6.7	24.7	-3.9
15.....	--	270	--	43	63	--	6.2	29.1	-6.6
16.....	--	258	--	13	34	--	5.3	20.2	-.3
17.....	--	--	--	--	--	--	--	--	--
18.....	--	--	--	--	--	--	--	--	--
19.....	--	--	--	--	--	--	--	--	--
20.....	--	302	215	57	50	--	10.9	39.6	-5.3

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
March 1986—Continued									
21.....	--	302	212	60	59	--	11.1	40.2	-5.9
22.....	--	306	200	62	57	--	11.7	40.9	-6.6
23.....	--	304	166	45	35	--	11.4	39.2	-5.5
24.....	--	311	168	50	43	--	13.3	39.1	.7
25.....	--	320	165	61	56	--	13.8	44.6	-4.7
26.....	--	325	211	61	44	--	15.1	46.0	-3.5
27.....	--	326	196	62	20	--	15.6	47.1	-3.8
28.....	--	330	178	49	42	--	16.9	49.5	-2.2
29.....	--	322	84	16	0	--	14.8	33.9	5.2
30.....	--	330	214	57	61	--	17.0	45.0	-.6
31.....	--	311	124	25	27	--	13.1	40.9	-.6
Mean.....	226	302	178	42	34	--	10.8	35.4	-2.8
April 1986									
1.....	269	322	192	49	69	14.7	15.4	37.7	3.3
2.....	204	296	230	69	64	7.9	10.5	31.9	-2.7
3.....	212	309	215	69	63	10.5	12.7	34.9	-3.4
4.....	225	307	189	61	57	9.7	13.5	39.2	-4.0
5.....	233	306	169	50	40	10.6	12.2	38.6	-2.5
6.....	256	281	74	15	-5	7.1	8.4	26.9	-1.2
7.....	242	290	193	43	76	8.5	10.7	30.9	.0
8.....	237	304	215	53	77	10.0	13.0	43.7	-.4
9.....	236	319	196	56	64	11.8	14.9	44.9	-2.6
10.....	250	322	183	50	54	12.3	15.2	45.4	.7
11.....	232	--	235	68	75	12.7	16.2	46.6	-2.2
12.....	227	--	209	73	81	12.0	12.7	39.4	-2.3
13.....	202	--	245	80	74	9.0	11.9	39.5	-6.0
14.....	244	--	169	47	37	10.2	12.4	41.5	-3.6
15.....	237	331	221	72	74	12.5	14.4	38.6	-3.0
16.....	230	301	128	37	16	7.7	9.2	32.9	-4.7
17.....	215	308	216	60	58	8.5	11.4	44.9	-8.1
18.....	203	312	257	77	75	8.9	11.7	40.6	-5.1
19.....	219	326	236	74	72	11.1	14.2	44.9	-6.8
20.....	253	353	249	74	77	17.2	18.8	47.9	-1.0
21.....	251	331	187	67	63	18.1	14.3	48.5	.6
22.....	255	352	233	72	75	16.9	19.5	48.7	1.0
23.....	247	342	243	72	78	16.0	15.0	33.6	-1.2
24.....	254	330	156	46	34	14.4	16.6	28.7	--
25.....	237	334	259	76	87	14.2	--	--	--
26.....	210	319	266	80	82	10.1	--	--	--
27.....	229	338	274	79	86	12.3	--	--	--
28.....	248	357	295	87	107	16.2	--	--	--
29.....	252	357	255	77	82	17.4	--	--	--
30.....	240	345	236	72	73	15.6	--	--	--
Mean.....	235	323	214	64	66	12.1	13.5	39.6	-2.4

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)					Temperature (degrees Celsius)			
	Long wave		Short wave		Net	Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
May 1986									
1.....	263	349	190	65	65	--	--	--	--
2.....	251	358	242	84	100	--	--	--	--
3.....	252	351	249	86	107	--	19.8	45.0	1.3
4.....	233	336	237	71	86	--	18.1	48.6	.5
5.....	242	327	190	64	54	--	15.8	47.4	-5.7
6.....	254	283	58	6	-6	--	7.9	23.2	2.0
7.....	228	311	289	72	121	--	13.7	40.6	-1.9
8.....	224	315	240	64	79	--	14.9	45.6	-3.5
9.....	219	333	281	76	97	14.1	18.3	49.6	-3.1
10.....	238	335	256	74	104	16.1	18.2	45.2	-.2
11.....	233	342	248	78	97	15.1	20.0	49.8	-.5
12.....	241	353	275	78	93	16.0	21.7	52.8	-1.6
13.....	253	366	282	77	92	18.5	23.4	54.6	.4
14.....	272	368	247	68	82	19.6	23.7	55.9	2.7
15.....	275	379	266	70	87	21.2	25.9	56.3	9.1
16.....	239	362	295	81	91	19.3	23.3	52.2	3.7
17.....	235	362	290	82	92	17.1	22.5	52.9	.1
18.....	247	371	298	82	42	18.3	23.5	55.7	-.8
19.....	--	--	--	--	--	--	--	--	--
20.....	281	385	280	82	100	22.7	25.1	51.2	5.1
21.....	268	379	291	86	108	20.6	24.0	47.7	8.8
22.....	243	363	279	82	83	17.1	21.6	52.1	2.2
23.....	258	366	269	78	86	16.5	22.0	51.5	-1.2
24.....	262	383	286	83	90	20.0	25.2	56.4	1.2
25.....	270	388	291	84	92	22.1	26.8	58.4	2.7
26.....	272	392	290	84	92	23.2	27.6	57.7	4.4
27.....	267	394	297	84	91	24.0	27.1	58.5	6.2
28.....	252	395	264	77	82	25.5	28.5	57.9	7.2
29.....	264	394	247	66	65	25.8	29.7	62.3	8.0
30.....	265	389	294	82	100	26.6	27.8	59.2	8.8
31.....	--	--	--	--	--	--	--	--	--
Mean.....	252	360	259	75	85	20.0	22.1	51.4	2.1
June 1986									
1.....	--	420	285	77	87	29.1	34.1	61.1	13.2
2.....	--	408	251	69	80	27.2	31.7	59.2	14.6
3.....	--	405	289	78	98	26.1	31.2	59.1	10.2
4.....	--	394	256	74	77	25.5	28.5	55.7	8.8
5.....	--	382	308	87	102	23.0	26.8	52.9	6.0
6.....	--	375	304	82	96	20.7	26.0	55.9	2.9
7.....	--	372	302	83	102	21.4	25.3	50.8	4.4
8.....	--	383	289	81	102	22.8	26.8	52.3	12.2
9.....	--	385	307	86	92	22.8	27.0	56.4	4.4
10.....	--	385	303	84	91	22.4	27.7	57.0	4.7
11.....	--	389	302	84	94	23.0	28.2	57.2	4.5
12.....	--	385	301	85	95	22.9	27.2	56.3	5.7
13.....	--	391	304	86	91	22.9	27.8	58.6	3.7
14.....	--	384	287	82	87	23.4	26.6	54.5	4.5
15.....	--	379	266	77	74	23.4	25.0	54.6	3.8

Table 2. Radiation and temperature field data for crater 1, May 1985 through June 1986—
Continued

Date	Daily mean radiation (watts per square meter)				Net	Temperature (degrees Celsius)			
	Long wave		Short wave			Daily mean air temperature	Soil surface temperature		
	In	Out	In	Out			Mean	Maximum	Minimum
June 1986—Continued									
16.....	--	--	--	--	--	--	--	--	--
17.....	--	389	314	92	104	23.4	26.8	53.5	3.4
18.....	--	388	309	91	107	23.2	27.2	54.5	4.3
19.....	--	390	309	90	98	22.4	27.2	56.8	4.1
20.....	--	388	312	92	101	19.8	26.2	55.5	3.2
21.....	--	390	306	88	93	--	27.2	56.7	2.4
22.....	--	396	306	88	93	--	28.5	58.4	3.3
23.....	--	396	274	78	85	--	28.6	59.0	4.6
24.....	--	418	304	90	110	--	30.8	59.4	7.4
25.....	--	423	302	88	104	--	32.1	60.4	10.3
26.....	--	416	294	87	101	--	30.4	57.6	8.5
27.....	--	402	228	67	66	--	28.1	51.3	8.8
28.....	--	412	268	78	94	--	29.7	56.3	8.8
29.....	--	415	311	93	113	--	30.4	56.7	9.0
30.....	--	--	--	--	--	--	--	--	--
Mean.....	--	395	293	83	94	23.4	28.3	56.4	6.5

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
 [Short-wave radiation measured by pyranometer. In, incoming radiation; Out, outgoing radiation. --, no data or not calculated]

Date	Daily mean short-wave radiation (watts per square meter)		Temperature (degrees Celsius)			
	In	Out	Daily mean air temperature	Soil surface temperature		
				Mean	Maximum	Minimum
June 1985						
1.....	--	--	--	--	--	--
2.....	--	--	--	--	--	--
3.....	--	--	--	--	--	--
4.....	--	--	--	--	--	--
5.....	--	--	--	--	--	--
6.....	344	58	23.5	27.4	53.8	8.0
7.....	346	59	23.9	27.8	55.0	7.7
8.....	350	60	24.1	28.4	56.6	7.9
9.....	351	60	24.3	28.6	57.8	6.8
10.....	263	48	19.9	21.9	55.1	8.7
11.....	340	57	26.7	30.4	58.5	.0
12.....	342	58	24.9	25.9	53.4	7.6
13.....	339	59	25.1	25.1	48.8	7.8
14.....	339	59	25.3	25.9	55.6	7.4
15.....	343	61	25.1	21.2	47.7	7.4
16.....	348	62	24.7	20.0	39.0	3.1
17.....	347	61	25.6	26.7	53.3	3.1
18.....	315	56	27.1	30.6	49.9	12.1
19.....	345	67	27.2	30.4	52.6	11.3
20.....	350	69	23.5	26.6	44.2	-2.1
21.....	352	69	22.1	--	--	--
22.....	350	69	23.7	--	--	--
23.....	298	58	22.3	--	--	--
24.....	223	41	21.6	--	--	--
25.....	360	74	19.7	25.9	56.8	5.5
26.....	359	70	18.4	25.7	59.8	1.4
27.....	357	69	19.7	27.0	61.4	2.0
28.....	304	58	20.5	23.7	59.1	2.7
29.....	200	37	21.1	20.8	37.8	4.1
30.....	355	68	19.1	19.0	39.7	.2
Mean.....	329	60	23.2	25.7	52.2	5.4
July 1985						
1.....	294	58	18.4	21.1	60.3	2.0
2.....	353	70	23.3	28.8	63.1	3.9
3.....	353	70	24.9	30.1	64.5	5.2
4.....	346	70	26.4	30.9	61.0	8.0
5.....	329	66	27.5	32.0	62.3	10.3
6.....	284	55	29.6	33.2	62.4	16.2
7.....	287	54	26.5	25.9	48.0	12.4
8.....	287	54	27.1	25.2	47.1	2.3
9.....	301	60	31.4	33.4	46.7	19.3
10.....	299	58	31.2	33.7	45.4	20.5
11.....	322	64	29.2	32.4	45.8	15.0
12.....	318	63	28.8	32.1	46.4	17.1
13.....	334	67	26.5	30.1	49.7	10.4
14.....	307	64	25.8	29.1	49.4	10.5
15.....	293	58	26.0	30.2	50.0	10.9

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Daily mean air temperature	Temperature (degrees Celsius)		
	In	Out		Soil surface temperature		
				Mean	Maximum	Minimum
July 1985—Continued						
16.....	194	34	24.8	28.1	52.3	13.1
17.....	308	59	27.0	32.2	57.0	13.4
18.....	187	26	23.7	23.8	38.2	--
19.....	234	42	22.1	--	--	--
20.....	245	34	22.4	--	--	--
21.....	263	38	22.7	--	--	--
22.....	330	60	23.3	21.6	34.6	.1
23.....	311	58	25.5	26.9	38.6	11.6
24.....	313	59	26.6	29.2	42.9	13.7
25.....	295	58	25.0	27.7	43.1	13.4
26.....	295	56	25.0	27.8	44.0	12.3
27.....	298	56	25.5	28.5	43.7	11.6
28.....	324	65	24.2	27.0	41.4	12.2
29.....	331	67	23.6	25.6	37.7	11.0
30.....	332	67	21.9	24.9	38.1	10.7
31.....	337	70	21.1	23.3	38.1	5.4
Mean.....	300	57	25.4	28.4	48.3	10.8
August 1985						
1.....	335	70	20.6	22.8	37.2	5.6
2.....	331	68	20.2	23.6	39.3	5.7
3.....	329	67	20.7	24.0	42.4	3.8
4.....	330	68	21.6	24.6	41.9	4.4
5.....	330	68	21.3	26.3	47.7	4.3
6.....	328	70	21.3	26.6	50.1	4.4
7.....	307	63	22.1	26.4	45.6	5.9
8.....	309	63	22.1	26.4	44.7	7.4
9.....	321	64	22.9	28.2	50.0	7.9
10.....	319	65	22.9	27.1	45.7	6.0
11.....	308	61	23.1	27.6	48.9	7.4
12.....	313	63	24.2	28.9	47.1	11.2
13.....	314	64	20.5	25.5	47.6	4.4
14.....	284	57	20.6	23.2	46.9	3.1
15.....	306	63	21.7	24.2	46.6	5.0
16.....	291	58	22.5	23.8	41.4	7.1
17.....	274	55	22.0	29.8	41.6	16.0
18.....	315	68	19.7	25.9	41.0	8.5
19.....	258	57	19.7	22.5	39.3	5.9
20.....	314	68	21.4	24.1	40.2	7.5
21.....	272	56	20.2	22.5	38.4	6.6
22.....	288	58	20.0	22.6	42.6	4.5
23.....	295	60	22.0	24.8	45.8	5.0
24.....	294	60	23.8	26.4	48.2	6.0
25.....	288	60	24.5	27.0	46.8	8.3
26.....	280	57	25.8	29.4	47.0	13.3
27.....	290	61	24.1	28.2	46.4	12.0
28.....	294	62	21.7	25.8	46.5	7.5
29.....	287	60	21.4	25.8	48.0	5.0
30.....	278	58	23.1	26.7	46.9	7.2
31.....	283	58	23.7	27.7	47.0	10.3
Mean.....	302	62	22.0	25.7	44.8	7.0

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Temperature (degrees Celsius)			
	In	Out	Daily mean air temperature	Soil surface temperature		
				Mean	Maximum	Minimum
September 1985						
1.....	278	57	23.9	26.9	43.0	10.2
2.....	282	60	24.1	27.2	41.0	11.3
3.....	284	53	20.0	23.6	40.1	7.9
4.....	221	41	14.7	18.2	35.9	3.0
5.....	190	33	14.7	18.2	36.8	4.4
6.....	187	33	12.5	15.7	34.9	2.1
7.....	254	47	15.0	18.4	35.8	.8
8.....	232	41	17.1	20.0	35.4	6.4
9.....	272	52	18.3	20.6	31.8	9.7
10.....	267	52	13.7	17.0	33.0	1.0
11.....	197	38	10.4	12.8	26.9	1.0
12.....	264	50	11.2	15.7	39.0	-3.6
13.....	254	48	13.5	17.3	40.2	-1.9
14.....	254	50	16.3	19.9	39.8	1.8
15.....	250	49	12.6	19.8	39.1	4.2
16.....	255	49	15.1	18.9	38.0	1.9
17.....	252	52	15.6	18.1	33.7	.5
18.....	65	8	14.9	16.6	24.1	11.1
19.....	172	25	13.9	16.7	30.0	4.9
20.....	242	44	12.1	16.0	37.5	.9
21.....	246	45	12.2	16.4	38.6	-2.8
22.....	244	45	11.4	17.3	37.3	1.0
23.....	236	43	12.3	18.4	42.7	-1.0
24.....	238	44	16.7	20.5	44.9	1.2
25.....	236	43	16.8	20.5	43.4	1.8
26.....	231	43	15.4	19.7	42.1	1.6
27.....	155	25	14.7	19.4	36.2	6.4
28.....	221	39	16.9	20.4	39.4	4.5
29.....	221	40	11.5	15.6	37.5	-3.5
30.....	215	41	13.9	17.4	36.6	1.0
Mean.....	230	43	15.0	18.8	37.2	3.0
October 1985						
1.....	201	38	15.4	19.4	40.7	2.3
2.....	218	43	13.4	16.8	39.0	-2.2
3.....	218	42	15.8	19.2	42.7	1.2
4.....	210	41	18.0	21.8	43.8	4.8
5.....	217	42	14.6	18.9	41.6	.0
6.....	205	40	17.7	20.4	36.6	6.6
7.....	201	41	15.6	17.7	31.2	2.6
8.....	69	5	9.2	11.6	20.9	2.8
9.....	103	13	7.5	9.3	22.2	1.6
10.....	122	16	10.2	12.3	25.4	.6
11.....	205	36	7.6	11.0	30.0	-3.3
12.....	181	33	8.2	11.6	31.2	-4.5
13.....	201	37	12.1	14.4	28.0	1.4
14.....	204	38	9.0	11.4	29.5	-4.0
15.....	201	39	8.6	11.9	32.7	-4.4
16.....	195	35	5.1	11.7	38.7	-6.1
17.....	190	34	7.3	12.6	38.6	-5.9
18.....	188	34	8.3	12.5	35.2	-4.9
19.....	183	33	8.3	11.9	34.7	-4.8
20.....	145	26	11.1	13.6	32.5	-.3

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986

—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Temperature (degrees Celsius)			
	In	Out	Daily mean air temperature	Soil surface temperature		
				Mean	Maximum	Minimum
October 1985—Continued						
21.....	--	--	--	--	--	--
22.....	--	--	--	--	--	--
23.....	174	32	6.5	10.2	33.3	-6.2
24.....	172	31	9.2	12.9	37.3	-4.1
25.....	171	32	7.9	12.7	36.3	-4.0
26.....	170	31	9.2	13.1	38.8	-3.6
27.....	167	31	--	12.7	37.7	-4.3
28.....	84	14	--	11.2	36.1	-.3
29.....	163	36	--	12.2	36.8	-4.0
30.....	148	34	6.3	11.4	33.3	-5.1
31.....	180	42	13.6	14.7	24.8	6.8
Mean.....	175	33	10.6	13.8	34.1	-1.4
November 1985						
1.....	--	--	--	--	--	--
2.....	--	--	--	--	--	--
3.....	--	--	--	--	--	--
4.....	--	--	--	--	--	--
5.....	185	42	12.4	14.9	31.2	-1.5
6.....	--	--	--	--	--	--
7.....	142	31	7.9	9.9	33.2	-5.3
8.....	133	29	5.1	8.6	28.8	-4.6
9.....	143	31	5.0	7.0	26.0	-7.2
10.....	130	26	8.5	9.5	17.0	4.0
11.....	--	--	--	--	--	--
12.....	--	57	-9	1.2	12.6	-8.2
13.....	154	40	-3.5	-1.2	19.3	-12.0
14.....	149	27	-1.1	.4	12.5	-7.4
15.....	148	22	-1.1	2.7	27.7	-9.0
16.....	113	17	-.4	2.9	21.3	-7.6
17.....	143	21	--	4.2	21.1	-7.4
18.....	140	26	-.4	.9	8.1	-6.9
19.....	138	25	-3.8	-1.6	15.2	-11.4
20.....	128	22	--	-1.3	20.2	-14.3
21.....	141	25	-2.8	.7	19.3	-10.3
22.....	122	22	-2.3	.4	19.1	-9.8
23.....	55	8	1.1	3.2	19.7	-7.2
24.....	64	9	4.9	6.5	19.8	-2.0
25.....	21	0	6.0	8.0	13.7	4.6
26.....	129	14	3.0	5.0	--	-5.3
27.....	99	12	2.8	3.9	16.5	.0
28.....	69	7	2.8	5.2	19.3	-2.0
29.....	55	7	4.4	5.7	16.9	.1
30.....	119	14	3.5	5.5	19.8	-3.5
Mean.....	118	22	2.3	4.2	19.9	-5.6

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Daily mean air temperature	Temperature (degrees Celsius)		
	In	Out		Soil surface temperature		
				Mean	Maximum	Minimum
December 1985						
1.....	86	10	2.0	4.5	19.0	-4.9
2.....	--	--	4.6	6.0	7.8	.2
3.....	57	4	5.3	7.9	20.7	-1.8
4.....	119	12	2.2	5.7	26.4	-5.5
5.....	85	9	2.3	4.9	22.5	-3.2
6.....	116	15	.8	4.7	25.2	-5.7
7.....	103	16	.5	3.9	21.3	-5.2
8.....	118	24	2.3	3.7	13.1	-9.2
9.....	--	--	--	--	--	--
10.....	--	--	--	--	--	--
11.....	--	--	--	--	--	--
12.....	--	--	--	--	--	--
13.....	110	23	--	-1.0	18.0	-12.7
14.....	110	22	-.7	1.2	23.9	-11.8
15.....	104	19	.2	3.5	26.7	-10.9
16.....	111	23	3.2	5.4	20.6	-8.3
17.....	112	23	2.5	6.7	21.8	-8.5
18.....	114	25	--	8.3	26.4	-7.4
19.....	115	24	--	4.9	31.6	-9.2
20.....	119	29	--	-.8	29.2	-9.5
21.....	--	--	--	--	--	--
22.....	--	--	--	--	--	--
23.....	110	24	--	4.0	26.4	-10.0
24.....	109	23	7.2	9.0	24.4	-4.5
25.....	105	22	6.6	9.1	26.9	-6.8
26.....	110	22	--	3.4	29.8	-10.0
27.....	113	23	--	2.8	28.1	-10.9
28.....	109	22	--	2.0	26.9	-10.8
29.....	49	7	--	5.4	17.5	-6.2
30.....	46	8	--	7.8	22.7	-2.7
31.....	71	11	--	4.9	24.6	-5.8
Mean.....	100	18	2.8	4.7	23.3	-7.2
January 1986						
1.....	98	19	--	2.6	24.9	-8.2
2.....	81	17	--	3.0	22.7	-8.7
3.....	114	24	--	4.7	27.4	-8.3
4.....	76	16	--	9.3	22.9	-.5
5.....	36	2	--	8.2	17.6	.0
6.....	112	22	--	6.3	18.6	-2.5
7.....	120	27	2.0	3.7	16.4	-9.5
8.....	113	22	-1.2	1.2	25.5	-12.4
9.....	141	29	2.2	4.5	31.3	-10.6
10.....	116	24	2.8	5.5	33.4	-8.5
11.....	116	24	2.8	5.7	32.9	-8.5
12.....	120	25	2.6	5.4	32.2	-7.7
13.....	--	--	--	--	--	--
14.....	53	10	2.8	4.5	20.4	-6.8
15.....	60	10	4.9	7.1	16.6	-1.9
16.....	87	17	1.5	4.1	44.4	-5.8
17.....	108	22	1.9	4.7	26.0	-6.8
18.....	124	26	4.7	7.9	32.4	-5.3
19.....	107	24	3.2	5.8	30.3	-8.0
20.....	129	30	4.7	6.5	23.2	-4.4

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986

—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Daily mean air temperature	Temperature (degrees Celsius)		
	In	Out		Soil surface temperature		
				Mean	Maximum	Minimum
January 1986—Continued						
21.....	--	--	--	--	--	--
22.....	--	--	--	--	--	--
23.....	--	--	--	--	--	--
24.....	151	35	4.1	7.0	24.6	-4.1
25.....	139	33	3.1	5.5	25.6	-9.3
26.....	138	31	2.5	5.7	31.3	-10.6
27.....	138	31	1.8	4.8	32.4	-10.6
28.....	140	32	1.9	5.0	31.5	-10.4
29.....	123	28	3.8	6.3	29.8	-7.9
30.....	--	--	7.6	8.7	11.4	6.7
31.....	77	6	8.6	10.5	20.7	5.8
Mean.....	108	23	3.3	5.7	26.1	-6.1
February 1986						
1.....	135	14	6.6	10.3	27.3	-0.2
2.....	148	18	3.3	6.2	20.7	-3.3
3.....	171	22	3.5	6.4	23.0	-4.8
4.....	--	--	--	--	--	--
5.....	--	--	--	--	--	--
6.....	--	--	--	--	--	--
7.....	--	--	--	--	--	--
8.....	--	--	--	--	--	--
9.....	--	--	--	--	--	--
10.....	168	38	--	2.7	16.1	-11.2
11.....	81	13	-3.0	-1.2	14.5	-11.7
12.....	36	3	-1.2	1.5	10.4	-9.3
13.....	83	9	6.9	9.1	19.3	4.5
14.....	25	1	7.9	9.8	18.2	5.4
15.....	109	13	8.4	10.1	18.4	7.1
16.....	100	10	8.1	9.9	19.2	1.0
17.....	88	8	7.9	9.7	20.8	-1.1
18.....	87	9	12.0	13.9	25.9	7.5
19.....	72	6	11.7	13.1	19.4	5.0
20.....	164	23	4.9	8.3	26.9	-4.5
21.....	188	30	4.5	7.5	27.7	-4.7
22.....	172	29	4.4	7.8	29.1	-5.9
23.....	181	33	8.7	11.5	33.3	-4.3
24.....	136	29	7.5	9.1	29.9	.1
25.....	--	--	--	--	--	--
26.....	195	41	11.4	15.6	40.5	-1.8
27.....	195	44	12.3	15.1	34.5	1.5
28.....	197	45	10.4	14.6	38.5	-2.4
Mean.....	130	21	6.8	9.1	24.5	-1.6

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Daily mean air temperature	Temperature (degrees Celsius)		
	In	Out		Soil surface temperature		
				Mean	Maximum	Minimum
March 1986						
1.....	189	45	10.1	13.9	37.1	-3.4
2.....	82	15	9.4	11.3	25.3	3.0
3.....	197	50	11.3	14.7	32.6	1.2
4.....	199	51	10.8	15.0	37.8	-4
5.....	209	53	10.5	14.7	38.8	-3.1
6.....	194	50	9.7	13.4	36.1	-2.9
7.....	144	34	8.9	11.8	31.7	-1.0
8.....	96	21	10.0	11.6	22.3	4.5
9.....	195	46	7.1	10.1	22.3	-3.0
10.....	32	0	5.0	6.7	9.6	4.0
11.....	194	29	6.0	8.8	22.8	-.1
12.....	102	14	3.7	5.7	19.0	-3.0
13.....	147	21	3.7	6.8	23.8	-4.3
14.....	212	31	5.3	9.0	24.6	-1.9
15.....	204	34	3.7	6.7	21.8	-5.7
16.....	124	14	4.1	6.4	16.9	1.8
17.....	--	--	--	--	--	--
18.....	--	--	--	--	--	--
19.....	--	--	--	--	--	--
20.....	243	57	8.1	12.6	34.6	-2.5
21.....	247	62	7.8	12.2	33.8	-4.8
22.....	250	66	8.1	12.6	35.2	-5.5
23.....	192	48	9.3	12.9	34.6	-4.1
24.....	203	54	11.9	15.1	32.4	4.4
25.....	247	68	11.7	15.5	36.6	-2.3
26.....	247	68	11.7	16.4	39.1	-.8
27.....	249	69	11.7	16.4	40.5	-2.6
28.....	206	55	14.2	17.7	40.5	-1.1
29.....	91	18	16.2	19.0	32.6	9.0
30.....	240	66	13.6	17.8	36.6	1.4
31.....	140	29	13.8	16.5	34.4	1.8
Mean.....	181	42	9.2	12.5	30.5	-.8
April 1986						
1.....	216	47	15.0	17.8	31.0	5.8
2.....	258	49	8.7	10.9	23.0	-.9
3.....	267	47	10.3	14.3	33.0	-1.3
4.....	239	42	8.7	12.7	30.6	-3.5
5.....	196	33	10.0	13.2	27.9	-1.6
6.....	80	8	6.5	8.8	22.3	.9
7.....	221	30	8.1	11.7	24.7	-.2
8.....	242	35	9.5	14.0	31.0	1.4
9.....	252	38	10.1	15.7	37.1	-1.7
10.....	219	33	10.9	15.3	35.5	.5
11.....	275	56	11.5	16.1	37.4	-1.9
12.....	281	75	11.5	14.2	29.7	-.2
13.....	299	90	9.4	12.3	27.6	-.8
14.....	193	53	9.9	13.3	30.3	.5
15.....	270	82	12.2	15.1	30.2	-1.3
16.....	145	42	8.1	10.7	22.7	-1.6
17.....	246	66	8.5	11.3	28.2	-5.4
18.....	295	82	8.7	11.9	28.4	-2.1
19.....	290	79	10.1	14.3	36.4	-3.8
20.....	292	78	15.8	--	--	--

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Daily mean air temperature	Temperature (degrees Celsius)		
	In	Out		Soil surface temperature		
				Mean	Maximum	Minimum
April 1986—Continued						
21.....	250	70	11.5	--	--	--
22.....	280	76	16.1	--	--	--
23.....	278	79	15.0	--	--	--
24.....	187	50	13.8	--	--	--
25.....	294	85	13.9	--	--	--
26.....	300	87	10.6	--	--	--
27.....	311	87	11.1	--	--	--
28.....	334	95	15.4	--	--	--
29.....	302	84	16.4	--	--	--
30.....	284	78	14.7	--	--	--
Mean.....	253	62	11.4	13.4	29.8	- .9
May 1986						
1.....	256	71	16.7	--	--	--
2.....	323	91	16.0	--	--	--
3.....	326	94	--	--	--	--
4.....	289	81	--	--	--	--
5.....	254	70	--	--	--	--
6.....	--	--	--	--	--	--
7.....	323	86	--	--	--	--
8.....	276	74	--	--	--	--
9.....	329	91	--	--	--	--
10.....	315	88	--	--	--	--
11.....	325	90	--	--	--	--
12.....	327	90	--	--	--	--
13.....	319	88	17.5	--	--	--
14.....	288	79	18.5	--	--	--
15.....	302	83	21.5	--	--	--
16.....	334	93	20.0	--	--	--
17.....	342	94	16.8	--	--	--
18.....	338	94	16.8	--	--	--
19.....	--	--	--	--	--	--
20.....	316	91	21.7	--	--	--
21.....	329	98	21.2	--	--	--
22.....	316	94	16.9	--	--	--
23.....	304	89	15.8	--	--	--
24.....	324	94	18.8	--	--	--
25.....	329	95	20.8	--	--	--
26.....	329	95	21.8	--	--	--
27.....	327	94	22.7	--	--	--
28.....	298	86	23.9	--	--	--
29.....	281	76	24.8	--	--	--
30.....	333	93	23.1	--	--	--
31.....	--	--	--	--	--	--
Mean.....	313	88	19.7	--	--	--

Table 3. Radiation and temperature field data for crater 3, June 1985 through June 1986
—Continued

Date	Daily mean short-wave radiation (watts per square meter)		Temperature (degrees Celsius)			
	In	Out	Daily mean air temperature	Soil surface temperature		
				Mean	Maximum	Minimum
June 1986						
1.....	318	86	--	--	--	--
2.....	281	78	--	--	--	--
3.....	326	87	25.0	--	--	--
4.....	288	78	24.8	--	--	--
5.....	348	98	22.2	--	--	--
6.....	343	95	19.8	--	--	--
7.....	341	96	20.4	--	--	--
8.....	324	89	23.5	--	--	--
9.....	346	96	23.0	--	--	--
10.....	341	94	20.7	--	--	--
11.....	340	94	21.6	--	--	--
12.....	339	96	22.0	--	--	--
13.....	343	96	21.9	--	--	--
14.....	320	91	22.5	--	--	--
15.....	299	85	21.0	--	--	--
16.....	--	--	--	--	--	--
17.....	355	103	22.0	--	--	--
18.....	350	101	22.1	--	--	--
19.....	350	101	21.1	--	--	--
20.....	352	103	20.5	--	--	--
21.....	345	99	21.3	--	--	--
22.....	346	99	22.2	--	--	--
23.....	308	88	23.2	--	--	--
24.....	343	100	24.7	--	--	--
25.....	341	99	26.8	--	--	--
26.....	331	97	25.9	--	--	--
27.....	254	73	25.6	--	--	--
28.....	299	86	26.1	--	--	--
29.....	340	99	25.9	--	--	--
30.....	--	--	--	--	--	--
Mean.....	329	93	22.9	--	--	--

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986

[Footnotes on this page apply to entire table. --, no data or not calculated]

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity ¹ (meters per second)		Wind direction ² (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
May 1985						
1.....	--	26.7	1.73	0.47	292	200
2.....	--	27.2	2.90	.16	285	246
3.....	--	19.7	3.86	.14	291	256
4.....	--	20.2	2.66	.29	257	210
5.....	--	24.3	2.16	.32	295	232
6.....	--	17.6	4.77	.11	300	276
7.....	--	21.2	3.68	.15	304	252
8.....	--	16.3	4.39	.10	310	311
9.....	--	40.5	4.92	.07	309	310
10.....	--	43.8	4.87	.34	263	232
11.....	--	37.2	2.09	.24	292	276
12.....	--	28.1	2.95	.49	218	139
13.....	--	--	--	--	--	--
14.....	--	--	--	--	--	--
15.....	--	--	--	--	--	--
16.....	--	--	--	--	--	--
17.....	--	--	--	--	--	--
18.....	--	--	--	--	--	--
19.....	--	--	--	--	--	--
20.....	--	--	--	--	--	--
21.....	--	28.2	3.17	.20	196	158
22.....	--	30.0	1.59	.45	282	220
23.....	--	24.7	1.97	.29	252	258
24.....	--	22.4	2.86	.35	290	256
25.....	--	20.9	2.97	.20	296	253
26.....	--	18.9	3.41	.35	291	247
27.....	--	16.3	3.31	.18	299	263
28.....	--	15.1	4.11	.14	309	297
29.....	--	13.8	4.30	.16	301	265
30.....	--	11.7	3.28	.13	250	215
31.....	--	21.6	3.38	.24	267	254
Mean.....	--	23.7	3.27	.24	280	245
June 1985						
1.....	--	28.3	2.43	0.23	286	259
2.....	--	24.5	2.89	.21	293	232
3.....	--	52.2	2.20	.44	233	205
4.....	--	46.0	1.49	.36	280	252
5.....	--	34.4	2.20	.23	286	259
6.....	--	30.5	2.04	.38	300	207
7.....	--	25.8	2.38	.36	239	--
8.....	--	20.9	2.27	.28	266	--
9.....	--	20.0	2.04	.39	256	223
10.....	--	16.2	2.21	.62	193	101
11.....	--	12.4	2.45	.23	230	208
12.....	--	16.2	1.87	.30	282	256
13.....	--	17.4	1.99	.27	281	232
14.....	--	16.4	1.69	.28	284	234
15.....	--	16.1	1.76	.24	279	238

¹Daily maximum values are means of hourly maximum values for a given day; daily mean values were derived from all velocity readings for a given day.

²Maximum mean values are daily means of hourly azimuth readings that correspond to hourly maximum wind velocities; daily mean values were derived from all azimuth readings for a given day.

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
June 1985—Continued						
16.....	--	14.8	1.70	0.32	272	257
17.....	--	13.3	1.46	.36	293	227
18.....	--	14.3	1.64	.40	286	216
19.....	--	15.5	2.38	.29	283	242
20.....	--	14.6	2.45	.35	270	224
21.....	--	10.5	1.74	.26	294	233
22.....	--	11.8	2.87	.30	295	232
23.....	--	15.0	2.60	.14	252	261
24.....	--	21.5	2.73	.18	278	256
25.....	--	16.4	3.82	.43	169	158
26.....	--	10.5	2.07	.34	214	199
27.....	--	11.6	1.78	.48	245	183
28.....	--	11.1	2.40	.35	276	238
29.....	--	11.6	2.74	.31	289	224
30.....	--	9.8	2.35	.37	278	241
Mean.....	--	19.3	2.22	.32	266	225
July 1985						
1.....	--	11.9	1.58	0.39	273	228
2.....	--	11.1	1.26	.41	279	232
3.....	--	10.3	1.75	.37	292	220
4.....	--	11.2	2.03	.26	268	249
5.....	--	12.4	1.68	.28	282	250
6.....	--	12.4	2.28	.23	292	267
7.....	--	24.6	2.04	.44	251	211
8.....	--	28.4	1.59	.30	264	257
9.....	--	19.0	2.59	.31	290	272
10.....	--	23.1	2.30	.18	290	284
11.....	--	21.7	2.22	.28	276	245
12.....	--	23.0	2.29	.31	260	231
13.....	--	18.5	1.84	.45	288	240
14.....	--	16.8	2.35	.27	294	249
15.....	--	18.1	2.52	.23	272	236
16.....	--	27.9	2.25	.15	293	238
17.....	--	31.6	2.64	.21	296	238
18.....	--	--	--	--	--	--
19.....	--	67.9	1.68	.35	279	192
20.....	--	75.8	1.88	.23	253	201
21.....	--	69.3	1.68	.21	272	269
22.....	--	49.5	1.80	.30	270	250
23.....	--	32.4	2.12	.34	268	221
24.....	--	26.6	1.70	.27	263	239
25.....	--	29.7	1.93	.32	258	234
26.....	--	27.9	1.47	.40	245	227
27.....	--	25.3	1.97	.22	299	256
28.....	--	24.1	2.54	.20	294	250
29.....	--	21.4	3.58	.22	278	271
30.....	--	16.9	2.51	.19	301	275
31.....	--	19.6	3.68	.20	277	286
Mean.....	--	26.9	2.13	.28	277	244

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
August 1985						
1.....	--	15.8	3.84	0.15	297	285
2.....	--	17.5	1.95	.41	251	251
3.....	--	17.2	1.50	.47	298	211
4.....	--	16.7	2.07	.31	278	205
5.....	--	15.4	1.75	.51	264	209
6.....	--	15.0	2.02	.28	284	246
7.....	--	13.0	2.82	.34	284	231
8.....	--	12.8	3.07	.27	269	224
9.....	--	13.5	2.51	.33	202	181
10.....	--	15.0	3.29	.27	286	244
11.....	--	16.2	2.30	.44	230	189
12.....	--	13.5	2.54	.50	219	185
13.....	--	15.7	1.83	.23	302	239
14.....	--	14.3	1.34	.38	270	267
15.....	24.2	14.8	1.69	.38	270	225
16.....	24.8	16.3	2.09	.34	279	229
17.....	24.5	22.5	2.81	.34	239	225
18.....	22.6	18.4	3.14	.34	290	216
19.....	22.1	13.9	2.47	.25	266	268
20.....	24.4	13.3	3.29	.21	267	249
21.....	23.3	14.5	2.81	.29	287	248
22.....	--	--	--	--	--	--
23.....	--	--	--	--	--	--
24.....	--	--	--	--	--	--
25.....	--	--	--	--	--	--
26.....	--	--	--	--	--	--
27.....	26.4	24.5	2.21	.42	273	212
28.....	24.5	16.9	2.22	.40	253	231
29.....	24.0	15.2	1.68	.46	258	204
30.....	25.3	17.5	2.21	.35	287	227
31.....	26.2	20.7	2.26	.34	266	231
Mean.....	24.3	16.2	2.37	.35	268	228
September 1985						
1.....	25.6	21.1	3.45	0.23	266	258
2.....	25.9	22.0	3.65	.20	307	276
3.....	21.7	29.1	2.91	.26	286	275
4.....	16.7	37.1	1.82	.32	296	277
5.....	16.8	41.1	1.63	.24	286	275
6.....	14.7	49.0	1.96	.36	262	206
7.....	16.7	44.7	2.35	.26	268	232
8.....	19.0	38.1	3.17	.23	302	248
9.....	19.1	32.4	4.87	.10	307	307
10.....	15.5	35.2	2.84	.26	279	237
11.....	12.6	38.8	2.99	.36	274	273
12.....	13.3	29.3	1.30	.38	258	203
13.....	16.5	20.8	1.80	.35	283	209
14.....	18.4	15.7	2.50	.46	292	208
15.....	18.8	20.2	2.21	.50	296	202

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
September 1985—Continued						
16.....	17.8	23.4	2.40	0.31	267	264
17.....	18.0	26.8	4.06	.19	279	275
18.....	15.8	56.5	2.07	.30	287	256
19.....	14.7	67.3	1.77	.41	222	144
20.....	14.8	49.9	1.65	.35	282	225
21.....	15.5	38.5	2.07	.33	281	217
22.....	17.0	31.8	2.49	.41	203	168
23.....	17.1	27.5	1.30	.26	273	225
24.....	19.2	30.0	1.82	.43	285	250
25.....	19.7	24.6	1.71	.45	236	166
26.....	18.4	25.2	1.40	.32	271	242
27.....	18.6	45.4	2.06	.40	271	203
28.....	18.6	45.9	1.80	.53	192	164
29.....	14.9	17.2	1.55	.33	285	275
30.....	16.1	30.8	1.70	.29	278	215
Mean.....	17.6	33.8	2.31	.33	272	232
October 1985						
1.....	17.3	39.9	1.43	0.32	289	230
2.....	16.6	27.4	1.91	.24	233	199
3.....	19.3	25.4	1.75	.32	263	238
4.....	20.7	22.5	1.86	.35	229	205
5.....	18.0	24.1	1.64	.30	259	237
6.....	19.6	30.7	3.99	.22	272	241
7.....	16.0	47.4	2.75	.31	270	252
8.....	10.4	87.3	1.31	.38	265	231
9.....	8.6	80.7	2.59	.24	233	157
10.....	11.5	57.7	2.98	.27	191	153
11.....	10.0	62.3	1.75	.47	291	214
12.....	10.9	52.9	1.73	.33	240	233
13.....	13.0	33.8	3.90	.23	186	132
14.....	12.0	22.6	3.44	.29	201	140
15.....	12.8	19.6	2.77	.24	207	185
16.....	10.7	23.4	1.19	.29	279	221
17.....	12.0	25.9	1.30	.44	280	200
18.....	11.9	27.5	1.37	.43	234	209
19.....	11.6	35.7	1.53	.35	259	210
20.....	13.3	36.1	2.32	.26	287	224
21.....	--	--	--	--	--	--
22.....	--	--	--	--	--	--
23.....	9.1	45.5	1.30	.42	261	197
24.....	12.6	40.0	1.20	.39	233	187
25.....	12.5	42.5	1.34	.41	263	194
26.....	12.7	37.9	1.24	.38	240	190
27.....	12.3	35.2	1.43	.45	277	226
28.....	11.7	36.7	1.17	.53	275	187
29.....	11.5	37.2	1.33	.31	243	229
30.....	11.2	32.9	1.72	.30	273	228
31.....	14.2	22.7	5.03	.41	223	97
Mean.....	13.2	38.4	2.04	.34	250	202

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
November 1985						
1.....	--	--	--	--	--	--
2.....	--	--	--	--	--	--
3.....	--	--	--	--	--	--
4.....	--	--	--	--	--	--
5.....	14.1	31.0	2.22	0.32	259	189
6.....	--	--	--	--	--	--
7.....	9.3	33.5	1.85	.24	266	245
8.....	8.3	38.2	1.84	.32	286	236
9.....	7.1	28.9	2.84	.43	256	188
10.....	9.0	34.6	7.78	.05	311	313
11.....	2.6	85.2	3.92	.34	258	232
12.....	-1.6	94.1	1.25	.57	253	253
13.....	-4.8	82.4	2.27	.47	217	112
14.....	-1.1	77.2	2.93	.47	173	127
15.....	.3	82.3	.89	.60	239	175
16.....	1.3	80.7	.94	.55	225	169
17.....	2.3	73.9	1.42	.66	206	185
18.....	.6	52.9	4.87	.48	144	101
19.....	-3.1	49.4	1.85	.72	184	92
20.....	-2.8	59.1	1.09	.23	259	250
21.....	-.6	60.1	1.36	.36	259	231
22.....	-1.1	67.5	1.54	.23	264	224
23.....	2.5	71.2	.81	.27	282	234
24.....	5.9	74.9	2.21	.23	300	240
25.....	7.1	--	.70	.24	263	252
26.....	4.7	--	1.02	.47	275	244
27.....	4.5	--	1.45	.27	268	264
28.....	4.1	--	.95	.52	263	229
29.....	5.9	--	3.98	.22	296	287
30.....	4.7	64.4	2.38	.51	232	121
Mean.....	3.2	62.1	2.18	.39	250	208
December 1985						
1.....	3.2	83.3	1.05	0.48	274	234
2.....	5.7	97.5	1.73	.31	284	268
3.....	6.6	90.8	1.06	.47	252	283
4.....	3.9	87.2	.75	.38	254	192
5.....	4.3	84.2	.99	.43	270	202
6.....	3.6	78.1	1.06	.31	265	232
7.....	3.8	77.3	1.72	.40	282	219
8.....	3.7	44.9	4.86	.66	136	91
9.....	--	--	--	--	--	--
10.....	--	--	--	--	--	--
11.....	--	--	--	--	--	--
12.....	--	--	--	--	--	--
13.....	-1.0	49.0	2.00	.34	208	186
14.....	.8	57.5	1.24	.36	249	225
15.....	2.4	52.3	.92	.44	255	216
16.....	5.9	37.3	3.23	.34	170	126
17.....	6.9	36.4	3.41	.50	158	116
18.....	8.1	38.0	3.09	.32	184	146
19.....	4.6	50.2	1.19	.39	250	229
20.....	-.4	63.2	.81	.43	269	143

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
December 1985—Continued						
21.....	--	--	--	--	--	--
22.....	--	--	--	--	--	--
23.....	5.7	33.0	1.92	0.20	233	200
24.....	9.8	32.2	3.05	.40	196	191
25.....	9.4	35.4	2.66	.49	201	138
26.....	3.2	51.3	1.01	.35	272	234
27.....	2.3	52.1	1.08	.53	257	191
28.....	1.8	52.6	1.09	.63	239	201
29.....	4.5	67.1	.88	.36	260	247
30.....	7.5	75.4	1.31	.42	257	247
31.....	4.3	82.8	.82	.35	270	236
Mean.....	4.4	60.4	1.72	.41	238	200
January 1986						
1.....	2.4	83.9	1.32	0.34	283	198
2.....	2.6	80.4	1.08	.45	251	170
3.....	3.9	75.6	1.01	.47	238	202
4.....	8.0	61.0	1.07	.39	284	219
5.....	7.2	--	.74	.58	247	201
6.....	5.5	61.3	3.66	.38	190	152
7.....	3.6	36.5	4.06	.08	174	156
8.....	.0	54.2	.87	.48	247	205
9.....	3.8	49.3	--	--	--	--
10.....	5.8	46.2	1.01	.42	243	192
11.....	5.8	52.5	.94	.39	269	230
12.....	5.4	52.4	1.04	.31	260	207
13.....	--	--	--	--	--	--
14.....	4.8	51.1	1.34	.35	232	217
15.....	6.6	68.4	1.63	.38	287	249
16.....	3.6	81.3	1.21	.53	272	208
17.....	3.6	77.8	1.06	.59	281	210
18.....	7.1	63.5	1.18	.47	253	174
19.....	6.2	59.1	1.36	.44	244	186
20.....	8.0	41.8	2.92	.54	178	149
21.....	--	--	--	--	--	--
22.....	--	--	--	--	--	--
23.....	--	--	--	--	--	--
24.....	6.6	33.7	2.53	.39	176	164
25.....	6.6	31.3	2.37	.38	192	165
26.....	4.8	33.0	.94	.23	238	210
27.....	4.7	34.7	1.17	.32	228	195
28.....	5.1	35.0	1.54	.29	253	220
29.....	5.9	36.4	1.60	.34	276	260
30.....	7.9	--	1.74	.35	260	248
31.....	9.5	89.7	2.71	.10	287	269
Mean.....	5.4	55.6	1.62	.38	244	202

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
February 1986						
1.....	7.5	--	1.05	0.44	249	184
2.....	5.4	81.4	1.94	.54	280	248
3.....	4.4	79.1	1.61	.49	297	230
4.....	--	--	--	--	--	--
5.....	--	--	--	--	--	--
6.....	--	--	--	--	--	--
7.....	--	--	--	--	--	--
8.....	--	--	--	--	--	--
9.....	--	--	--	--	--	--
10.....	-1.2	47.7	2.39	.20	266	246
11.....	--	61.1	1.64	.28	269	242
12.....	--	74.7	.81	.49	257	248
13.....	8.5	87.5	2.93	.27	307	302
14.....	9.2	88.1	2.13	.27	275	278
15.....	9.3	87.2	5.75	.06	309	312
16.....	9.2	75.9	3.58	.28	315	310
17.....	9.5	77.6	3.11	.16	286	296
18.....	13.0	70.9	3.40	.16	303	286
19.....	12.8	54.1	6.93	.09	304	310
20.....	6.7	55.5	1.61	.49	281	232
21.....	6.6	53.5	1.82	.42	248	202
22.....	6.6	57.6	1.41	.40	264	208
23.....	10.6	57.0	2.21	.32	210	171
24.....	10.2	61.1	2.37	.54	220	143
25.....	--	--	--	--	--	--
26.....	14.1	49.3	1.21	.32	256	224
27.....	15.6	36.1	2.71	.38	216	183
28.....	13.3	36.8	1.47	.49	251	210
Mean.....	9.0	64.6	2.48	.34	270	241
March 1986						
1.....	12.7	44.6	1.61	0.58	263	218
2.....	11.5	59.8	2.71	.64	172	134
3.....	13.7	56.4	2.17	.17	225	190
4.....	10.8	43.4	1.34	.40	267	228
5.....	--	44.1	1.28	.43	272	204
6.....	--	45.5	1.92	.50	267	183
7.....	11.3	51.1	1.93	.32	290	256
8.....	11.8	65.8	5.56	.17	302	298
9.....	8.2	58.6	3.49	.15	298	280
10.....	6.1	91.2	3.99	.19	291	284
11.....	7.4	68.9	2.23	.34	277	244
12.....	5.7	63.2	2.90	.33	200	188
13.....	4.3	64.9	2.16	.36	282	231
14.....	5.6	72.1	1.48	.33	277	244
15.....	4.9	73.9	3.35	.31	281	250
16.....	5.1	85.0	3.25	.24	287	279
17.....	--	--	--	--	--	--
18.....	--	--	--	--	--	--
19.....	--	--	--	--	--	--
20.....	10.4	54.9	1.67	.45	241	154
21.....	10.0	54.9	1.71	.36	246	224
22.....	10.6	49.3	1.88	.46	239	208
23.....	11.7	46.2	1.98	.31	263	235
24.....	13.6	38.6	2.42	.35	304	266
25.....	13.5	42.2	1.98	.57	250	146

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
March 1986—Continued						
26.....	13.9	46.8	1.37	0.38	246	220
27.....	14.2	44.2	1.46	.36	259	218
28.....	15.8	42.3	1.80	.30	274	214
29.....	17.5	48.0	1.88	.50	243	198
30.....	15.7	50.8	2.06	.50	274	206
31.....	15.0	49.5	2.15	.40	221	156
Mean.....	10.8	55.6	2.28	.37	261	220
April 1986						
1.....	16.0	52.1	4.21	0.23	286	262
2.....	9.0	29.7	7.76	.39	119	60
3.....	11.6	32.6	3.14	.38	218	181
4.....	10.4	41.5	2.07	.30	276	210
5.....	11.6	36.9	3.32	.43	250	191
6.....	8.1	64.1	2.12	.35	250	208
7.....	9.5	68.5	2.57	.26	281	265
8.....	10.6	62.2	1.81	.44	296	248
9.....	12.2	57.2	1.24	.29	268	266
10.....	13.0	50.8	1.60	.37	273	217
11.....	13.5	44.0	2.03	.28	264	244
12.....	13.2	36.0	5.67	.40	278	215
13.....	9.7	25.6	3.94	.45	169	128
14.....	10.9	25.6	2.13	.56	204	156
15.....	13.1	30.8	4.17	.25	260	239
16.....	8.9	53.6	3.64	.19	286	248
17.....	9.1	40.1	2.74	.61	242	145
18.....	10.2	30.7	3.66	.41	178	156
19.....	12.1	28.0	1.84	.18	251	209
20.....	18.0	31.0	2.36	.37	242	165
21.....	14.7	44.8	1.38	.27	250	236
22.....	18.2	28.6	2.96	.18	260	251
23.....	16.2	28.6	4.03	.21	261	262
24.....	15.4	30.6	2.72	.26	308	287
25.....	15.3	27.8	4.37	.36	258	246
26.....	11.3	25.5	4.83	.08	202	172
27.....	13.0	24.4	2.05	.33	292	243
28.....	--	24.6	2.89	.31	303	245
29.....	--	26.2	2.06	.35	252	227
30.....	--	27.0	2.11	.36	276	237
Mean.....	12.4	37.6	3.05	.33	252	214
May 1986						
1.....	--	22.2	2.85	0.36	286	251
2.....	18.8	23.7	3.28	.32	260	224
3.....	19.0	28.2	5.66	.12	304	--
4.....	13.5	30.9	3.86	.49	240	176
5.....	12.6	25.5	3.23	.13	294	286
6.....	7.9	65.4	2.78	.25	278	250
7.....	10.8	46.9	4.01	.41	182	152
8.....	12.1	39.2	3.02	.51	231	127
9.....	13.7	33.5	2.28	.36	267	158
10.....	17.1	25.8	4.87	.20	306	254

Table 4. Meteorological data for undisturbed-land-surface site, May 1985 through June 1986—Continued

Date	Daily mean air temperature (degrees Celsius)	Daily mean relative humidity (percent)	Wind velocity (meters per second)		Wind direction (degrees)	
			Daily maximum	Daily mean	Maximum mean	Daily mean
May 1986—Continued						
11.....	16.3	30.9	2.61	0.16	275	262
12.....	17.2	24.9	2.29	.35	245	204
13.....	19.1	21.3	1.99	.23	270	261
14.....	20.1	21.9	2.40	.29	276	232
15.....	22.1	21.0	3.70	.31	182	157
16.....	20.0	15.9	4.04	.40	158	115
17.....	17.9	16.8	2.54	.18	229	213
18.....	18.9	17.0	1.66	.39	284	209
19.....	--	--	--	--	--	--
20.....	22.8	20.0	4.13	.32	287	244
21.....	21.7	21.0	5.47	.20	292	274
22.....	17.5	14.3	3.24	.31	218	228
23.....	17.8	16.0	1.84	.65	216	221
24.....	20.8	14.6	1.45	.56	279	226
25.....	22.8	15.2	1.50	.44	287	187
26.....	24.1	15.9	2.03	.33	282	359
27.....	24.9	15.6	2.02	.33	247	225
28.....	25.7	20.0	2.53	.40	250	224
29.....	26.1	24.1	1.75	.52	286	212
30.....	24.7	22.1	1.89	.37	230	180
31.....	--	--	--	--	--	--
Mean.....	18.8	24.5	2.93	.34	257	218
June 1986						
1.....	29.1	22.7	2.28	0.34	298	220
2.....	28.2	25.5	2.76	.23	278	245
3.....	26.9	26.0	2.41	.47	272	215
4.....	26.1	19.3	3.10	.27	266	260
5.....	24.5	16.6	3.56	.26	297	265
6.....	21.4	20.3	2.47	.35	272	220
7.....	21.9	21.0	3.28	.39	248	236
8.....	23.5	24.1	4.48	.26	195	117
9.....	23.2	17.3	2.96	.13	206	185
10.....	23.0	21.2	1.98	.42	234	199
11.....	23.6	18.8	1.72	.37	274	233
12.....	23.9	15.3	2.49	.33	279	248
13.....	23.7	13.2	1.80	.52	267	224
14.....	24.5	14.3	3.00	.40	283	210
15.....	--	16.2	2.70	.29	273	226
16.....	--	--	--	--	--	--
17.....	24.3	15.6	3.20	.22	262	247
18.....	23.9	15.3	2.86	.24	284	256
19.....	23.6	14.5	2.23	.33	260	240
20.....	22.6	12.1	2.41	.23	284	246
21.....	23.2	12.0	1.68	.37	263	223
22.....	24.5	10.9	1.55	.37	253	224
23.....	25.7	13.9	2.47	.33	276	205
24.....	27.2	19.2	2.49	.40	258	252
25.....	29.1	15.5	2.59	.23	290	254
26.....	28.0	13.4	2.84	.30	266	239
27.....	27.8	14.4	3.51	.17	259	251
28.....	28.4	18.7	3.73	.31	294	274
29.....	28.0	18.7	3.64	.14	307	284
30.....	--	--	--	--	--	--
Mean.....	25.2	17.4	2.72	.31	268	232