

CLIMATIC DATA FOR WILLIAMS LAKE, HUBBARD COUNTY, MINNESOTA, 1985

By

A.M. Sturrock, D.O. Rosenberry, and T.C. Winter

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METRIC CONVERSION FACTORS

<i>Multiply</i>	<i>By</i>	<i>To obtain</i>
meter	3.281	feet
kilometer	0.621	mile
centimeter	0.394	inch
millibar	0.0145	pounds per square inch
millibar	1.0197	grams per square centimeter
mile per hour	1.609	kilometer per hour
calories per square centimeter per minute	1.433×10^{-3}	watts per square meter
calories per square centimeter per day	278.96	watts per square meter
calories per square centimeter per day	25.913	watts per square foot

To convert degree Celsius (°C) to degree Fahrenheit (°F) use the following formula:

$$(^{\circ}\text{C} \times 9/5) + 32 = ^{\circ}\text{F}.$$

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ABSTRACT

Research on the hydrology of Williams Lake, north-central Minnesota includes study of evaporation. Presented here are those climatic data needed for energy-budget and mass-transfer studies, including: water-surface temperature, dry-bulb and wet-bulb air temperatures, wind speed, precipitation, and solar and atmospheric radiation. Data are collected at raft and land stations.

INTRODUCTION

Climatic data are being collected at Williams Lake, Hubbard County, Minnesota, as part of a continuing study by the U.S. Geological Survey of the hydrology of the lake. Williams Lake is one of several lakes in different parts of the United States that have been selected for intensive study of hydrological, and related chemical and biological processes. The rationale for selection of Williams Lake is given by Siegel and Winter (1980). Climatic data collected in 1983 and 1984 are presented in Sturrock and others (1984, 1986). Data from the 1982 season are as yet unpublished and are available on request to T.C. Winter.

DATA COLLECTION AND PRESENTATION

Data presented here are being collected principally for studies of evaporation. Therefore, the period of record includes only the time when the lake is ice-free. The period of record for 1985 is from April 27 (Julian day 117) to October 23 (Julian day 296). The interval from Julian day 117 to Julian day 296 is the part of the year for which evaporation will be determined by the energy-budget method. Within each table the data are grouped into energy-budget periods, which are defined by the dates thermal surveys of the lake were made. For example, the first energy-budget period is from Julian day 117 through Julian day 132.

Climatic instruments are located on a raft in the middle of the lake, and at a land station located near the northwest shore of the lake. Instruments on the raft include anemometers at 1, 2, and 4 meters above the water surface, a thermistor psychrometer with wet- and dry-bulb temperature sensors fixed at 2 meters above the water surface, and a water-temperature sensor located beneath the raft at a depth of about 1 centimeter. Data from the above sensors are recorded by a Campbell CR-21¹ digital data logger located on the raft. The data logger scans the sensors every minute and calculates hourly and daily averages. In addition, for selected sensors, the daily output includes maximum and minimum values and the time they occur. An analog surface-water temperature probe and a totalizing anemometer also are present on the raft as backup.

The land station, located in a field 135 meters northwest of the lake, consists of long- and short-wave radiometers; an anemometer and thermistor psychrometer, both at 2 meters above the land surface; and a tipping-bucket rain gage. Data from these sensors (as well as a probe that provides backup humidity and air-temperature data) are recorded by a data logger, identical to that on the raft, which records hourly totals and averages, and daily totals, averages, and selected maximum and minimum values and the associated times of occurrence. Additional backup instruments include an analog hygrothermograph, a second tipping-bucket rain gage connected to an event recorder, and a manually read rain gage.

Calibration checks are made with independent laboratory thermometers, and both a spring-driven and motorized psychrometer, every few days at both stations.

Data presented here are daily summaries. Raft-station data along with land-station precipitation, and solar and atmospheric radiation data are considered primary. For periods that the primary instruments were not operating properly, daily values were obtained by regression using data from backup instruments, provided a satisfactory statistical relationship could be established. Data used to establish regressions were selected so they bracketed the period of missing or inadequate data. Only table 1, which is considered to be the primary source of data for evaporation studies, includes values obtained by regression.

Although only daily values are reported here, hourly values also were recorded. Hourly values are voluminous and expensive to reproduce, but they are available for all or part of the period of record on request.

¹The use of brand names in this report is for identification only, and does not constitute endorsement by the U.S. Geological Survey.

ADJUSTMENT OF WET-BULB AIR TEMPERATURES AT THE RAFT STATION

During the normal processing of the Williams Lake climatic data, which includes comparisons of primary data with backup data, as well as data-comparison programs that investigate data integrity, it was discovered that the wet-bulb sensor on the raft was indicating consistently lower temperatures than one would expect. For example, during times when backup instruments at the land station indicated 100-percent humidity and fog was rising off of Williams Lake, primary instruments at the raft indicated humidity was less than 100 percent. Also, comparisons of wet-bulb temperatures recorded at the raft with backup wet-bulb temperatures obtained from a portable psychrometer at the raft, indicated that the primary wet-bulb sensor was in error.

To isolate this problem and determine the magnitude of error in the wet-bulb air temperature, the following procedure was used. Periods when the thermistor psychrometer at the land station indicated 100-percent humidity were determined and the air temperatures measured by the wet- and dry-bulb sensors at the raft station for these periods were compared. During those periods it was assumed that near 100-percent humidity also would exist at the raft and that both sensors on the thermistor psychrometer should indicate nearly identical temperatures. Any difference between the two values would be the error of the wet-bulb sensor. Data were available for 358 hourly comparisons. The mean difference between the dry- and wet-bulb values was 0.968 °C. Differences ranged from 0 to 3.0 °C, the standard deviation of the data set was 0.313 and the variance was 0.098. A histogram of the differences was then made that indicated the majority (67.5 percent) of the differences ranged from 0.7 to 1.1 °C. Within this range, which accounted for 235 of the 358 comparisons, the mean difference was 0.910 °C.

Therefore, it was decided to adjust all the air temperatures measured by the wet-bulb sensor on the raft by +0.9 degrees C for the 1985 period of record. All raft wet-bulb values in the following tables, and all other data in the tables that are affected by these temperatures (atmospheric vapor pressure and bowen ratio) reflect this adjustment.

ACKNOWLEDGMENT

We are especially indebted to Ken Chase for allowing us to place climatic instruments on his property.

REFERENCES

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- Sturrock, A.M., Rosenberry, D.O., Scarborough, J.L., and Winter, T.C., 1986, Climatic data for Williams Lake, Hubbard County, Minnesota, 1984: U.S. Geological Survey Open-File Report 86-64, 63 p.

Table 1.--Summary of 1985 energy-budget data

[(C, degrees Celsius; mb, millibars; mi/h, miles per hour; (cal/cm²)/d, calories per square centimeter per day). Footnote reference numbers 1-3 apply to all pages of table 1]

JULIAN DAY	DAILY AVERAGES AT RAFT STATION										DAILY AVERAGES AT LAND STATION									
	LAKE-SURFACE WATER TEMPERATURE (C)	LAKE-SURFACE WATER VAPOR PRESSURE (mb)	WET-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	ROWEN RATIO					
117	8.56	11.139	15.82	15.82	7.766	7.766	7.90	7.90	5.00	5.00	6.873	6.873	6.873	0.078						
118	9.71	12.037	10.64	10.64	9.695	9.695	15.41	15.41	9.99	9.99	8.779	8.779	8.779	-1.448						
119	10.94	13.069	13.88	13.88	13.193	13.193	18.20	18.20	13.69	13.69	12.747	12.747	12.747	33.443						
120	12.02	14.038	9.58	9.58	9.644	9.644	12.74	12.74	8.72	8.72	8.678	8.678	8.678	-0.150						
121	13.05	15.020	7.13	7.13	6.974	6.974	11.37	11.37	6.03	6.03	5.950	5.950	5.950	0.075						
122	13.58	15.83	9.81	9.81	8.247	8.247	15.24	15.24	8.71	8.71	7.058	7.058	7.058	-0.181						
123	14.25	16.43	11.08	11.08	9.745	9.745	16.16	16.16	10.65	10.65	9.272	9.272	9.272	-0.197						
124	14.59	16.601	14.16	14.16	13.076	13.076	18.54	18.54						-0.720						
125	15.04	17.090	8.89	8.89	7.992	7.992	13.46	13.46						0.056						
126	14.94	16.980	8.76	8.76	8.695	8.695	11.81	11.81						0.152						
127	15.38	17.468	8.92	8.92	8.991	8.991	11.85	11.85	5/	5/	5/	5/	5/	0.187						
128	15.87	18.025	13.36	13.36	12.247	12.247	17.79	17.79						-0.230						
129	17.42	19.891	16.19	16.19	15.029	15.029	21.10	21.10						-0.480						
130	17.35	19.804	15.21	15.21	15.304	15.304	17.53	17.53						-0.119						
131	17.34	19.791	16.19	16.19	17.555	17.555	17.24	17.24						-0.039						
132	16.87	19.211	10.91	10.91	12.560	12.560	10.50	10.50	9.77	9.77	11.617	11.617	11.617	0.460						

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION				
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AT 8 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	PRECIPITATION (inches)	SOLAR RADIATION [(col/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(col/cm ²)/d]	
117	4.414	4.559	4.845	4.603	4.603	0.00	448.0	588.9	588.9	
118	5.512	5.705	6.122	5.774	5.774	0.00	614.6	602.5	602.5	
119	7.570	8.270	8.970	8.250	8.250	0.15	511.1	680.0	680.0	
120	5.408	5.530	5.940	5.621	5.621	0.00	574.0	605.2	605.2	
121	2.776	2.817	3.002	2.863	2.863	0.00	637.0	553.4	553.4	
122	4.368	4.609	4.974	4.644	4.644	0.00	566.0	643.3	643.3	
123	6.242	7.100	8.190	7.133	7.133	0.00	455.5	666.4	666.4	
124	9.210	9.610	10.340	9.709	9.709	0.05	419.3	699.4	699.4	
125	4.635	4.624	4.756	4.671	4.671	0.12	410.0	641.9	641.9	
126	6.565	6.610	6.926	6.698	6.698	0.00	549.3	595.3	595.3	
127	3.179	3.022	3.134	3.111	3.111	0.00	663.2	581.3	581.3	
128	6.867	7.470	8.140	7.474	7.474	0.07	614.2	673.6	673.6	
129	3.704	3.646	3.850	3.732	3.732	0.00	551.7	695.0	695.0	
130	5.525	5.615	6.197	5.771	5.771	0.01	145.4	728.0	728.0	
131	6.040	6.865	7.690	6.832	6.832	0.78	240.8	765.0	765.0	
132	7.120	7.420	7.940	7.486	7.486	0.04	166.7	671.9	671.9	

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION					ROWEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	
133	16.68	12.52	8.95	18.980	9.143	11.82	8.19	8.532	8.532	0.249	
134	16.40	11.73	10.53	18.645	11.944	10.88	9.70	11.271	11.271	0.410	
135	15.72	11.83	11.73	17.853	13.707	11.32	10.96	12.854	12.854	0.552	
136	15.33	12.58	10.49	17.412	11.338	12.26	9.94	10.732	10.732	0.266	
137	15.65	14.40	10.18	17.773	9.708	13.24	8.72	8.357	8.357	0.091	
138	16.84	16.88	11.26	19.174	9.729	15.99	10.12	8.596	8.596	-0.002	
139	16.73	13.49	8.09	19.041	7.323	13.02	7.40	6.688	6.688	0.163	
140	16.24	7.93	5.43	18.456	7.397	7.10	4.26	6.472	6.472	0.442	
141	17.07	11.80	7.90	19.456	8.147	11.11	6.90	7.256	7.256	0.274	
142	17.27	14.98	12.32	19.704	12.602	14.53	11.74	11.982	11.982	0.190	
143	18.61	18.27	13.80	21.437	12.885	17.81	13.11	12.045	12.045	0.023	
144	19.64	18.84	15.05	22.859	14.649	18.58	14.50	13.867	13.867	0.057	
145	19.13	14.51	13.93	22.145	15.532	13.90	13.19	14.700	14.700	0.411	
146	18.05	12.23	11.00	20.697	12.329	11.66	10.14	11.412	11.412	0.409	
147	17.93	12.93	8.62	20.542	8.416	12.15	7.83	7.827	7.827	0.242	
148	17.93	13.64	11.44	20.542	12.092	13.23	10.89	11.519	11.519	0.298	
149	17.39	13.83	12.92	19.854	14.305	12.89	12.04	13.508	13.508	0.377	
150	17.16	14.53	14.27	19.567	16.093	14.36	13.69	15.227	15.227	0.445	

JULIAN DAY	DAILY AVERAGES AT RAFT STATION			DAILY AVERAGES AT LAND STATION		
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm ²)/d]
133	3.358	3.312	3.358	0.00	551.0	614.6
134	3.501	3.468	3.645	0.14	123.0	709.0
135	5.314	5.442	5.933	0.04	102.6	734.0
136	7.340	7.640	8.250	0.00	378.4	657.0
137	4.967	5.048	5.337	0.00	549.8	607.4
138	4.681	4.761	4.959	0.00	528.2	621.1
139	8.010	8.360	9.000	0.00	664.0	570.6
140	5.082	5.045	5.354	0.00	621.2	548.8
141	2.662	2.547	2.438	0.00	703.0	585.0
142	3.090	3.356	3.479	0.00	363.4	697.2
143	2.304	2.276	2.227	0.00	685.7	649.8
144	2.964	2.931	2.935	0.00	567.7	705.0
145	4.178	4.434	4.793	0.00	150.1	747.0
146	3.579	3.523	3.694	0.00	262.1	677.8
147	3.523	3.422	3.607	0.00	667.0	603.1
148	4.781	4.998	5.666	0.00	321.5	689.7
149	5.737	6.409	7.310	0.40	76.9	733.0
150	3.836	3.999	4.376	1.57	169.1	760.0

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION					ROMEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	ROMEN RATIO		
151	16.92	13.58	11.70	19.272	12.532	12.94	10.88	11.690	0.291		
152	16.76	10.50	8.01	19.077	9.132	9.65	6.91	8.206	0.370		
153	16.35	8.37	5.79	18.586	7.527	7.22	4.49	6.677	0.426		
154	16.71	11.13	7.75	19.016	8.383	10.49	7.07	7.870	0.308		
155	16.56	10.97	8.59	18.836	9.633	9.93	7.38	8.643	0.357		
156	17.42	12.32	8.79	19.891	9.046	11.45	7.63	8.005	0.276		
157	17.26	17.15	13.83	19.691	13.658	16.17	13.23	13.299	0.011		
158	17.83	20.96	16.04	20.413	15.035	20.60	15.50	14.302	-0.342		
159	18.74	21.50	16.33	21.612	15.212	20.99	15.50	14.049	-0.253		
160	17.94	15.65	10.99	20.555	10.111	15.10	9.99	8.979	0.129		
161	18.36	13.59	11.10	21.104	11.605	12.70	9.97	10.493	0.295		
162	17.86	10.42	9.62	20.451	11.450	9.31	8.56	10.657	0.486		
163	17.58	13.55	9.54	20.093	9.322	12.69	8.44	8.319	0.220		
164	18.45	14.52	10.72	21.224	10.432	13.76	9.55	9.202	0.214		

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				LAND STATION		DAILY TOTALS AT LAND STATION		
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	DAILY AVERAGE WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(col/cm ²)/d]	ROMEN RATIO
151	8.590	8.920	9.590	9.024	5.738	0.65	167.1	664.1	0.251
152	8.640	8.980	9.510	9.036	5.479	0.00	315.5	594.0	0.526
153	3.943	3.913	3.899	3.918	2.452	0.00	344.2	616.4	0.557
154	2.777	2.713	2.562	2.682	1.634	0.00	540.1	597.5	0.905
155	6.019	6.053	6.192	6.088	4.255	0.00	454.5	608.5	0.747
156	2.774	2.596	2.465	2.609	2.059	0.00	571.6	580.3	0.983
157	5.668	6.327	7.070	6.329	2.392	0.01	91.0	724.0	0.126
158	5.492	5.617	5.943	5.681	4.469	0.00	365.7	688.3	0.531
159	9.220	9.740	10.500	9.806	6.947	0.00	275.3	740.0	0.368
160	11.430	11.930	12.780	12.034	8.110	0.00	679.4	605.4	1.121
161	2.319	2.140	2.045	2.165	1.975	0.00	407.6	673.0	0.604
162	2.831	2.624	2.564	2.671	3.118	1.01	104.3	683.7	0.148
163	4.926	4.939	5.089	4.984	3.119	0.00	646.7	607.0	1.065
164	2.613	2.416	2.454	2.493	1.830	0.00	555.2	619.7	0.421

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION						DAILY AVERAGES AT LAND STATION					
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	BOWEN RATIO
165	18.14	14.76	13.38	20.815	14.456	14.08	12.58	13.597	14.08	12.58	13.597	0.312
166	18.22	16.14	14.91	20.920	16.152	15.95	14.21	15.073	15.95	14.21	15.073	0.256
167	18.65	17.70	14.08	21.491	13.723	17.15	13.15	12.536	17.15	13.15	12.536	0.072
168	18.30	13.79	10.44	21.025	10.484	13.14	9.42	9.414	13.14	9.42	9.414	0.252
169	18.14	14.44	12.11	20.815	12.619	14.05	11.37	11.721	14.05	11.37	11.721	0.265
170	18.55	14.41	11.03	21.357	10.970	13.78	9.90	9.696	13.78	9.90	9.696	0.234
171	19.07	17.72	13.47	22.063	12.693	17.64	13.02	12.008	17.64	13.02	12.008	0.085
172	19.40	18.81	17.06	22.521	18.309	18.33	16.51	17.597	18.33	16.51	17.597	0.082
173	18.70	14.28	11.09	21.558	11.145	13.66	5/	5/	13.66	5/	5/	0.249
174	18.66	12.97	9.64	21.505	9.840	12.83	5/	5/	12.83	5/	5/	0.287
175	19.07	16.39	12.67	22.063	12.250	16.10	16.10	16.10	16.10	16.10	16.10	0.161

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				LAND STATION DAILY AVERAGE		DAILY TOTALS AT LAND STATION			
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(col/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(col/cm ²)/d]
165	4.328	4.437	4.664	4.474	1.485	0.11	233.7	722.0	233.7	722.0
166	4.173	4.153	4.354	4.226	2.423	0.01	373.7	724.0	373.7	724.0
167	7.610	8.070	8.750	8.130	4.603	0.00	386.8	683.4	386.8	683.4
168	8.920	9.180	9.770	9.283	6.452	0.06	435.0	649.3	435.0	649.3
169	6.725	6.880	7.330	6.974	3.675	0.12	527.4	672.5	527.4	672.5
170	3.084	2.940	3.058	3.027	2.194	0.00	601.3	631.2	601.3	631.2
171	6.223	6.615	7.540	6.771	2.865	0.00	685.7	677.6	685.7	677.6
172	7.420	7.660	8.330	7.794	4.682	0.35	260.3	756.0	260.3	756.0
173	12.130	12.550	13.530	12.723	9.650	0.01	658.1	638.1	658.1	638.1
174	6.962	7.100	7.580	7.209	4.372	0.00	740.0	571.9	740.0	571.9
175	4.989	5.267	5.798	5.341	3.458	0.00	558.4	687.3	558.4	687.3

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION					BOWEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)		
176	19.01	19.48	18.14	21.980	19.945	19.01	17.48	18.974	18.974	-0.136	
177	19.01	16.06	14.90	21.980	16.186	15.84	14.27	15.246	15.246	0.299	
178	18.84	13.77	13.32	21.748	14.997	13.05	12.40	13.974	13.974	0.441	
179	18.58	12.44	10.84	21.397	11.952	11.69	9.85	10.968	10.968	0.382	
180	19.47	15.60	12.58	22.619	12.616	15.25	11.69	11.441	11.441	0.227	
181	20.95	19.01	15.95	24.786	16.136	18.94	15.37	15.146	15.146	0.132	
182	21.75	20.56	17.39	26.032	17.797	19.91	16.59	16.720	16.720	0.085	
183	21.91	19.07	15.72	26.288	15.684	18.91	15.03	14.569	14.569	0.157	
184	22.54	21.75	18.26	27.315	18.706	21.27	17.46	17.470	17.470	0.054	
185	22.40	18.96	16.69	27.084	17.521	18.47	15.92	16.431	16.431	0.211	
186	22.44	20.94	17.41	27.150	17.589	20.69	16.74	16.492	16.492	0.092	
187	23.40	22.90	18.91	28.775	19.251	22.14	18.29	18.512	18.512	0.031	
188	23.92	25.10	20.36	29.690	20.817	24.83	19.83	19.878	19.878	-0.078	
189	24.82	22.92	18.74	31.334	18.897	22.38	17.96	17.711	17.711	0.090	

JULIAN DAY	DAILY AVERAGES AT RAFT STATION			DAILY AVERAGES AT LAND STATION		
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	LONG-WAVE ATMOS. RADIATION [(cal/cm ²)/d]
176	6.282	6.975	7.930	4.485	2.04	813.0
177	4.823	4.852	5.308	3.192	0.04	754.0
178	5.515	5.569	5.986	3.811	0.34	744.0
179	4.146	4.021	4.251	2.719	0.01	683.3
180	2.242	2.225	2.419	1.944	0.00	651.0
181	2.328	2.472	2.636	1.788	0.00	685.6
182	4.482	4.586	4.947	3.048	0.00	728.0
183	3.603	3.585	3.946	2.350	0.00	654.7
184	5.220	5.423	5.900	2.612	0.00	743.0
185	7.450	7.730	8.480	4.469	0.51	735.0
186	4.246	4.342	4.749	2.627	0.43	713.0
187	3.039	3.300	3.624	1.408	0.01	751.0
188	4.038	4.086	4.443	2.782	0.00	732.0
189	3.751	3.815	4.082	2.420	0.00	716.0

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				DAILY AVERAGES AT LAND STATION				DOWNEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	
190	24.76	19.96	16.19	31.222	15.955	19.34	15.29	14.746	0.185
191	23.70	16.16	14.44	29.300	15.329	14.55	13.04	14.035	0.317
192	23.54	16.43	13.15	29.019	13.001	15.38	11.93	11.730	0.261
193	23.68	21.00	17.12	29.264	17.001	20.80	16.74	16.421	0.128
194	24.00	23.24	20.71	29.833	22.776	22.39	19.76	21.320	0.063
195	23.78	19.20	16.44	29.441	16.904	17.68	14.85	15.052	0.215
196	23.32	16.87	13.92	28.636	13.990	15.65	12.40	12.297	0.259
197	23.48	20.03	16.19	28.914	15.910	19.39	15.32	14.767	0.156
198	23.20	19.79	18.86	28.429	21.171	19.25	18.14	20.094	0.276
199	23.25	21.68	19.87	28.515	22.010	21.14	19.10	20.778	0.142
200	23.43	18.79	15.67	28.827	15.776	18.12	14.72	14.542	0.209
201	23.70	20.48	16.38	29.300	15.965	19.55	15.47	14.928	0.142
202	23.59	17.73	13.66	29.106	13.001	16.70	12.61	11.954	0.214
203	23.70	17.06	12.96	29.300	12.285	15.89	11.90	11.355	0.229
204	23.32	22.59	18.13	28.636	17.906	21.93	17.51	17.137	0.040
205	23.19	18.60	17.20	28.412	18.709	17.81	16.24	17.439	0.278
206	23.22	17.43	14.60	28.464	14.782	16.52	13.39	13.336	0.249

JULIAN DAY	DAILY AVERAGES AT RAFT STATION			DAILY AVERAGES AT LAND STATION		
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm ²)/d]
190	5.666	5.729	6.309	0.12	646.4	697.7
191	3.506	3.366	3.666	0.12	88.2	691.8
192	2.241	1.994	2.171	0.00	427.6	668.5
193	3.676	3.967	4.549	0.00	604.3	716.0
194	5.047	5.105	5.587	0.00	334.5	752.0
195	4.455	4.532	4.951	0.00	381.7	706.0
196	5.180	5.282	5.780	0.00	568.0	664.5
197	4.245	4.614	4.971	0.17	558.1	716.0
198	5.132	5.448	6.132	1.82	195.9	795.0
199	4.336	4.359	4.729	0.97	493.4	779.0
200	5.891	5.993	6.571	0.00	687.1	651.4
201	5.416	5.408	5.699	0.34	588.6	729.0
202	6.308	6.433	6.942	0.00	523.8	641.9
203	3.131	3.242	3.379	0.00	677.8	647.8
204	9.750	9.900	10.105	0.00	475.9	732.0
205	4.571	4.599	5.043	0.98	316.9	748.0
206	3.548	3.430	3.644	0.00	610.2	670.8

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION						DAILY AVERAGES AT LAND STATION					
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	ROMEN RATIO	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	ROMEN RATIO	ROMEN RATIO	
207	23.45	18.07	14.66	28.862	14.471	0.220	17.36	13.61	13.157	0.220	0.220	
208	23.59	20.81	18.31	29.106	19.415	0.169	20.27	17.66	18.502	0.169	0.169	
209	23.80	19.43	16.33	29.476	16.554	0.199	18.29	15.06	15.022	0.199	0.199	
210	23.74	16.80	14.02	29.370	14.203	0.269	16.00	13.14	13.262	0.269	0.269	
211	23.43	17.38	15.75	28.827	16.832	0.296	16.06	14.61	15.685	0.296	0.296	
212	23.64	18.78	15.89	29.194	16.176	0.219	17.98	14.86	14.875	0.219	0.219	
213	23.81	19.32	15.42	29.494	14.988	0.182	18.26	14.48	14.040	0.182	0.182	
214	23.53	19.96	16.53	29.001	16.577	0.169	18.74	15.51	15.523	0.169	0.169	
215	23.48	21.88	18.59	28.914	19.273	0.098	21.54	18.15	18.627	0.098	0.098	
216	23.37	20.53	18.38	28.723	19.734	0.186	19.95	17.72	18.825	0.186	0.186	
217	23.33	20.59	18.64	28.653	20.211	0.191	19.63	17.53	18.668	0.191	0.191	
218	23.53	20.60	17.81	29.001	18.576	0.165	19.14	16.37	16.815	0.165	0.165	
219	23.63	20.63	16.60	29.176	16.272	0.137	19.23	15.14	14.554	0.137	0.137	

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				LAND STATION DAILY AVERAGE		DAILY TOTALS AT LAND STATION		
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOB. RADIATION [(cal/cm ²)/d]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]
207	2.788	2.643	2.775	2.735	1.972	0.00	678.2	661.3	661.3
208	5.004	5.206	5.629	5.273	2.352	0.09	344.0	752.0	752.0
209	4.998	5.045	5.422	5.152	2.960	0.00	658.7	687.0	687.0
210	2.795	2.654	2.926	2.789	1.833	0.00	368.4	661.8	661.8
211	1.852	1.724	2.012	1.859	1.592	0.01	209.0	743.0	743.0
212	2.170	2.008	2.268	2.146	1.713	0.00	458.1	688.0	688.0
213	3.348	3.497	3.886	3.570	1.482	0.00	558.8	678.6	678.6
214	6.663	6.902	7.480	7.007	2.297	0.00	436.0	725.0	725.0
215	7.330	8.140	8.990	8.125	2.641	0.00	467.9	764.0	764.0
216	6.652	7.170	7.398	7.158	2.336	0.03	264.5	787.0	787.0
217	4.908	4.992	5.328	5.073	3.564	0.01	405.9	758.0	758.0
218	5.269	5.300	5.750	5.435	3.852	0.00	351.1	725.0	725.0
219	4.068	4.002	4.414	4.157	3.142	0.00	581.9	705.0	705.0

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION						DAILY AVERAGES AT LAND STATION					
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	WET-BULB AIR TEMPERATURE (C)	ROMEN RATIO
220	23.93	22.42	18.73	29.708	19.202	18.360	21.65	19.202	18.360	18.05	0.084	
221	23.55	18.70	15.74	29.036	15.959	14.926	17.74	15.959	14.926	14.80	0.218	
222	22.80	14.08	11.62	27.749	12.086	11.008	13.30	12.086	11.008	10.58	0.327	
223	22.50	16.52	13.86	27.249	14.116	13.454	15.93	14.116	13.454	13.23	0.268	
224	21.89	17.26	16.85	26.255	18.920	17.956	16.45	18.920	17.956	16.04	0.371	
225	21.18	16.54	13.37	25.139	13.290	12.200	15.53	13.290	12.200	12.29	0.230	
226	20.78	15.70	12.35	24.529	13.185	10.958	14.57	13.185	10.958	11.09	0.242	
227	21.26	16.40	13.23	25.263	13.151	12.027	15.09	13.151	12.027	12.00	0.236	
228	21.15	18.48	16.01	24.574	16.587	15.914	17.78	16.587	15.914	15.38	0.185	
229	20.81	16.63	14.80	24.574	15.644	14.604	15.79	15.644	14.604	13.87	0.275	
230	19.66	11.60	9.83	22.888	10.996	9.774	10.62	10.996	9.774	8.53	0.398	
231	18.98	11.73	10.36	21.939	11.691	10.837	10.97	11.691	10.837	9.44	0.416	
232	18.81	13.17	11.52	21.707	12.518	11.755	12.28	12.518	11.755	10.64	0.361	
233	18.59	14.76	13.34	21.411	14.390	13.776	14.35	14.390	13.776	12.80	0.321	
234	18.63	17.15	16.36	21.464	18.086	17.583	16.97	18.086	17.583	16.02	0.257	
235	18.69	16.86	16.18	21.545	17.945	17.371	16.05	17.945	17.371	15.57	0.299	
236	18.54	15.42	14.76	21.344	16.358	15.266	14.74	16.358	15.266	13.86	0.368	
237	19.39	17.06	14.60	22.507	15.021	13.566	15.91	15.021	13.566	13.29	0.183	
238	19.47	17.28	15.01	22.619	15.588	14.478	16.14	15.588	14.478	13.93	0.183	

JULIAN DAY	DAILY AVERAGES AT RAFT STATION			DAILY AVERAGES AT LAND STATION			
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(cal/cm2)/d]	LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm2)/d]
220	6.869	7.530	8.350	7.559	0.00	342.6	754.0
221	7.240	7.450	7.970	7.547	0.08	232.4	743.0
222	5.383	5.461	5.774	5.537	0.01	559.2	619.2
223	5.170	5.657	6.380	5.714	0.12	468.9	709.0
224	7.720	8.430	9.260	8.447	1.03	74.0	764.0
225	10.350	10.760	11.510	10.863	0.00	78.8	660.3
226	6.649	6.826	7.270	6.910	0.00	521.2	606.8
227	3.258	3.258	3.281	3.288	0.15	485.3	681.9
228	5.879	6.643	7.520	6.647	0.15	407.1	735.0
229	11.430	11.940	12.780	12.037	0.10	225.0	739.0
230	11.080	11.640	12.470	11.716	0.00	239.8	679.7
231	4.553	4.617	4.910	4.691	0.00	244.6	686.5
232	2.344	2.297	2.567	2.400	0.00	264.8	677.8
233	5.362	6.165	7.160	6.186	0.00	261.7	737.0
234	4.571	5.159	5.861	5.170	0.15	185.4	770.0
235	3.095	3.123	3.495	3.233	1.09	186.2	775.0
236	3.420	3.426	3.729	3.522	0.02	187.0	733.0
237	2.048	1.990	2.215	2.082	0.00	548.4	666.8
238	4.506	4.620	4.945	4.687	0.00	451.5	690.9

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				DAILY AVERAGES AT LAND STATION				BOWEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	BOWEN RATIO	
239	19.84	17.19	14.50	23.145	14.766	16.03	13.554	0.186	
240	19.30	13.49	12.60	22.381	14.009	11.89	12.700	0.408	
241	18.78	14.11	13.38	21.667	14.876	13.54	14.250	0.404	
242	19.07	16.91	14.68	22.063	15.256	14.41	14.877	0.187	
243	18.86	17.63	17.06	21.775	16.78	16.38	18.201	0.268	
244	18.93	15.40	13.44	21.871	14.142	14.17	12.667	0.268	
245	18.68	14.73	14.31	21.531	16.032	13.55	15.237	0.422	
246	18.45	16.29	15.52	21.224	17.127	14.86	16.473	0.310	
247	18.61	17.21	16.07	21.437	17.518	16.68	16.750	0.210	
248	18.86	18.80	17.05	21.775	18.296	18.69	17.937	0.010	
249	19.39	18.68	16.48	22.507	17.315	18.21	16.726	0.080	
250	19.77	17.25	14.91	23.044	15.434	16.65	15.183	0.195	
251	19.34	14.39	12.97	22.437	14.025	13.62	13.590	0.346	
252	19.13	14.91	12.93	22.145	13.624	14.69	13.395	0.291	
253	18.88	11.42	9.69	21.802	10.909	10.50	10.159	0.403	
254	18.90	11.43	9.14	21.830	10.113	9.90	8.945	0.375	

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				DAILY AVERAGES AT LAND STATION			
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AT 8 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION ((cal/cm ²)/d)	LONG-WAVE ATMOS. RADIATION ((cal/cm ²)/d)	BOWEN RATIO
239	2.021	1.933	2.148	2.032	0.00	449.9	671.0	0.671
240	2.956	2.928	3.342	3.070	0.78	134.9	712.0	0.190
241	2.946	2.908	3.303	3.047	0.20	207.6	746.0	0.278
242	4.230	4.656	5.108	4.651	0.00	515.7	682.0	0.756
243	5.091	5.454	5.849	5.456	0.03	68.1	771.0	0.088
244	3.613	3.612	3.933	3.716	0.01	516.3	648.9	0.796
245	4.603	5.232	6.032	5.257	0.60	58.7	754.0	0.078
246	4.168	4.130	4.513	4.267	0.16	152.5	778.0	0.195
247	4.441	4.469	4.780	4.561	0.00	236.6	739.0	0.324
248	5.883	6.590	7.430	6.604	0.81	436.4	731.0	0.624
249	4.059	4.094	4.340	4.162	0.23	314.2	705.0	0.446
250	3.225	3.183	3.515	3.304	0.00	306.9	690.3	0.446
251	3.852	3.825	4.195	3.954	0.28	101.9	743.0	0.137
252	3.098	2.983	3.314	3.129	0.20	416.3	711.0	0.586
253	2.940	2.839	3.119	2.964	0.03	296.1	645.3	0.459
254	2.287	2.113	2.241	2.212	0.00	430.3	589.8	0.746

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION					ROWEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	LAKE-SURFACE WATER VAPOR PRESSURE (mb)	WET-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	LAKE-SURFACE WATER TEMPERATURE (C)	LAKE-SURFACE WATER VAPOR PRESSURE (mb)	WET-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	
255	18.47	11.77	9.24	21.250	10.037	10.56	8.23	9.396	0.351		
256	18.15	12.51	9.74	20.828	10.280	12.26	9.65	10.311	0.314		
257	17.97	14.81	12.12	20.593	12.396	14.20	11.69	12.117	0.227		
258	17.80	16.65	13.33	20.374	13.153	16.09	12.93	12.863	0.094		
259	17.64	18.04	16.92	20.170	18.546	17.28	16.35	17.983	-0.145		
260	17.94	19.61	17.99	20.555	19.568	19.00	17.48	18.981	-0.995		
261	17.98	19.94	19.39	20.606	22.149	19.36	18.91	21.551	0.747		
262	18.45	19.70	18.72	21.224	20.949	19.09	18.42	20.749	-2.674		
263	17.37	6.97	5.67	19.829	8.300	5.87	4.48	7.518	0.530		
264	16.77	7.83	6.26	19.089	8.511	6.92	5.38	7.970	0.497		
265	16.43	11.24	10.48	18.681	12.185	10.59	9.86	11.690	0.470		
266	15.83	6.77	5.64	17.979	8.400	5.69	4.46	7.616	0.556		
267	14.71	3.22	1.44	16.730	5.644	1.68	-0.21	4.807	0.609		

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION				
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	DAILY AVERAGE WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm ²)/d]		
255	5.037	5.510	6.029	5.510	2.786	0.00	473.6	598.4		
256	5.843	6.455	6.954	6.401	2.252	0.00	410.1	615.3		
257	6.813	7.180	7.560	7.178	2.283	0.00	318.6	676.2		
258	9.140	10.420	11.350	10.263	3.158	0.00	288.5	706.0		
259	8.130	8.670	9.150	8.640	2.861	0.02	41.3	795.0		
260	4.185	4.371	4.711	4.417	1.699	0.00	169.7	746.0		
261	4.344	4.597	4.927	4.617	2.530	0.00	142.1	796.0		
262	8.630	9.060	9.650	9.104	4.708	0.15	92.2	795.0		
263	8.430	8.780	9.210	8.801	6.432	0.02	168.2	637.1		
264	5.525	5.741	5.980	5.746	1.825	0.00	295.5	577.7		
265	4.839	4.568	4.639	4.681	1.874	0.00	114.8	707.0		
266	11.000	11.470	12.250	11.562	6.736	0.13	53.7	639.2		
267	7.300	7.600	7.950	7.612	5.324	0.00	232.9	501.9		

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION						DAILY AVERAGES AT LAND STATION					
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	ROMEN RATIO	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	ROMEN RATIO		
268	14.28	4.74	2.52	16.272	5.914	0.541	2.73	0.37	4.777	0.541		
269	14.05	6.00	3.30	16.031	6.015	0.472	4.05	1.38	5.051	0.472		
270	13.51	7.54	5.31	15.478	7.490	0.439	6.53	4.21	6.767	0.439		
271	12.89	4.98	3.69	14.863	7.129	0.601	4.12	2.63	6.436	0.601		
272	12.48	5.21	4.40	14.469	7.848	0.645	4.47	3.64	7.395	0.645		
273	11.98	2.96	2.85	14.001	7.435	0.807	2.17	1.99	6.938	0.807		
274	11.49	4.57	2.72	13.555	6.251	0.557	3.46	1.61	5.681	0.557		
275	11.31	7.62	5.63	13.394	7.846	0.391	6.69	4.73	7.313	0.391		
276	11.32	9.02	7.38	13.403	9.234	0.324	7.63	6.16	8.515	0.324		
277	11.06	8.72	6.79	13.173	8.645	0.304	8.04	6.06	8.122	0.304		
278	10.66	4.95	3.66	12.827	7.117	0.587	3.96	2.62	6.514	0.587		
279	10.45	5.63	3.90	12.649	6.973	0.498	4.58	2.70	6.215	0.498		
280	10.12	4.06	3.87	12.373	7.945	0.804	3.07	2.69	7.168	0.804		
281	9.76	4.27	4.01	12.078	7.975	0.786	3.54	3.01	7.241	0.786		
282	9.22	-0.04	-0.22	11.647	5.897	0.947	-0.61	-1.57	4.840	0.947		

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				LAND STATION DAILY AVERAGE		DAILY TOTALS AT LAND STATION			
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE ATMOS. RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm ²)/d]	
268	3.499	3.450	3.104	3.346	2.304	0.01	373.2	504.8	504.8	
269	4.838	4.840	4.768	4.822	2.352	0.00	424.1	518.5	518.5	
270	8.970	9.380	9.990	9.437	5.765	0.00	164.8	605.2	605.2	
271	6.961	7.230	7.550	7.243	4.901	0.00	105.7	625.7	625.7	
272	5.183	5.341	5.502	5.340	2.551	0.02	109.1	634.9	634.9	
273	6.139	6.385	6.652	6.389	3.145	0.43	119.2	632.5	632.5	
274	5.969	6.110	6.329	6.134	4.453	0.02	266.2	543.1	543.1	
275	5.310	5.397	5.426	5.377	2.034	0.00	242.0	553.7	553.7	
276	2.713	2.587	2.276	2.518	1.404	0.03	194.3	611.7	611.7	
277	9.480	9.950	10.620	10.006	5.127	0.00	205.0	610.9	610.9	
278	7.680	7.980	8.330	7.992	4.959	0.00	100.6	611.5	611.5	
279	5.486	5.581	5.601	5.556	3.228	0.00	290.9	548.1	548.1	
280	6.123	6.341	6.855	6.432	7.180	0.71	53.8	631.7	631.7	
281	9.930	10.420	10.920	10.415	7.270	0.03	98.1	636.7	636.7	
282	5.608	5.788	5.798	5.731	3.576	0.00	238.4	551.0	551.0	

Table 1.--Summary of 1985 energy-budget data--Continued

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					DAILY AVERAGES AT LAND STATION					WOMEN RATIO
	LAKE-SURFACE WATER TEMPERATURE (C)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	WATER VAPOR PRESSURE (mb)	ATMOSPHERIC VAPOR PRESSURE (mb)	DRY-BULB AIR TEMPERATURE (C)	WET-BULB AIR TEMPERATURE (C)	ATMOSPHERIC VAPOR PRESSURE (mb)	WOMEN RATIO		
283	9.04	1.72	0.40	11.506	5.455	0.37	-1.20	4.595	0.711		
284	8.96	7.48	4.55	11.444	6.587	7.01	4.07	6.299	0.179		
285	8.91	7.83	7.57	11.406	10.246	7.20	6.84	9.685	0.547		
286	8.88	7.63	5.76	11.383	8.000	6.55	4.73	7.397	0.217		
287	8.88	7.41	4.74	11.383	6.856	6.58	3.73	6.163	0.191		
288	8.72	1.66	0.10	11.260	5.158	0.04	-1.37	4.627	0.679		
289	8.47	2.44	0.72	11.071	5.343	1.09	-0.70	4.661	0.618		
290	8.39	9.08	7.06	11.011	8.769	7.76	5.82	7.992	-0.181		
291	8.46	7.60	4.89	11.063	6.929	5.81	3.01	5.804	0.122		
292	8.53	6.26	3.57	11.116	6.176	3.75	1.27	5.116	0.270		
293	8.43	9.15	5.92	11.041	7.238	7.62	4.64	6.606	-0.111		
294	8.53	9.05	7.86	11.116	9.867	8.70	7.35	9.392	-0.245		
295	8.80	13.49	11.91	11.321	12.918	12.85	11.30	12.386	1.727		
296	9.19	12.80	9.52	11.623	9.776	12.11			-1.148		

JULIAN DAY	DAILY AVERAGES AT RAFT STATION			DAILY AVERAGES AT LAND STATION			
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 4 METERS (mi/h)	WIND SPEED AT 2 METERS (mi/h)	PRECIPITATION (inches)	SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm ²)/d]
283	4.447	4.443	4.121	2.243	0.00	362.5	472.7
284	5.736	6.138	6.455	2.506	0.08	290.7	558.3
285	5.690	5.984	6.275	4.114	0.45	78.4	663.0
286	4.565	4.559	4.590	3.127	0.01	219.9	571.2
287	7.510	7.720	8.110	4.735	0.01	322.3	552.4
288	4.403	4.394	4.479	2.534	0.00	277.1	480.2
289	4.923	5.359	5.633	2.494	0.00	220.2	514.2
290	7.370	7.800	8.230	3.851	0.00	219.5	557.7
291	3.820	3.877	3.891	2.714	0.00	305.8	550.0
292	2.974	2.943	2.845	1.395	0.00	311.3	516.0
293	5.858	6.169	6.483	1.667	0.00	293.0	525.7
294	6.199	6.914	7.060	2.126	0.00	237.2	614.5
295	9.440	11.180	12.950	3.765	0.04	45.0	736.0
296	8.020	8.370	8.980	3.823	0.01	253.0	604.8

Footnotes to table 1

¹Measured at 2 meters above water or land surface.

²Water-vapor pressure is calculated using surface water-temperature data and assuming the air is completely saturated at the air-water interface.

³Elevation above water or land surface.

⁴Calculated from regression equation (see below), which was determined at the land station by using relative-humidity data from the backup humidity probe and temperature data from the dry-bulb sensor at the raft station.

⁵Missing wet-bulb air temperature and atmospheric vapor pressure at the land station are not filled in.

Regression	Data points	r ² value
$Y = 0.978X - 0.258$	20	0.97

Y = calculated wet-bulb air temperature at raft station.
X = land wet-bulb temperature, determined from the land station backup humidity probe, and psychrometric tables.

Table 2.--Summary of 1985 temperature data at the raft station

[C, degrees Celsius; h, hour; blank, no data]

JULIAN DAY	DAILY LAKE-SURFACE WATER TEMPERATURE		DAILY AVERAGE DRY-BULB AIR TEMPERATURE		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE		TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE		DAILY MINIMUM DRY-BULB AIR TEMPERATURE		TIME OF MINIMUM DRY-BULB AIR TEMPERATURE		DAILY AVERAGE WET-BULB AIR TEMPERATURE	
	(C)	(C)	(C)	(C)	(C)	(C)	(h)	(h)	(C)	(C)	(h)	(h)	(C)	(C)
117	8.560		8.110	14.100	1728	3.898		0233	5.820					
118	9.710		15.480	23.690	1423	4.954		0439	10.640					
119	10.940		18.000	23.600	1551	11.630		0536	13.880					
120	12.020		13.140	17.530	1458	5.921		2359	9.580					
121	13.050		12.020	20.250	1627	1.523		0459	7.134					
122	13.580		15.830	23.600	1430	9.700		0658	9.810					
123	14.250		16.430	23.070	1714	8.030		0543	11.080					
124	14.590		18.910	26.150	1553	12.510		2143	14.160					
125	15.040		14.180	19.990	1310	5.921		0514	8.890					
126	14.940		12.800	19.730	1513	6.185		0457	8.760					
127	15.380		12.690	20.610	1852	4.074		0541	8.920					
128	15.870		18.130	27.290	1737	7.500		0311	13.360					
129	17.420		21.390	27.640	1729	16.210		2043	16.190					
130	17.350		18.260	21.750	1425	13.480		0400	15.210					
131	17.340		17.490	22.190	1317	14.450		2359	16.190					
132	16.870		11.660	16.560	0829	7.320		2346	10.910					

JULIAN DAY	DAILY LAKE-SURFACE WATER TEMPERATURE		DAILY AVERAGE DRY-BULB AIR TEMPERATURE		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE		TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE		DAILY MINIMUM DRY-BULB AIR TEMPERATURE		TIME OF MINIMUM DRY-BULB AIR TEMPERATURE		DAILY AVERAGE WET-BULB AIR TEMPERATURE	
	(C)	(C)	(C)	(C)	(C)	(C)	(h)	(h)	(C)	(C)	(h)	(h)	(C)	(C)
133	16.680		12.520	18.580	1427	5.394		0529	8.950					
134	16.400		11.730	13.660	0223	9.520		0026	10.530					
135	15.720		11.830	13.480	1427	10.400		0434	11.730					
136	15.330		12.580	16.910	1823	7.760		2343	10.490					
137	15.650		14.400	21.400	1731	4.866		0505	10.180					
138	16.840		16.880	23.690	1703	6.449		0454	11.260					
139	16.730		13.490	18.670	0234	7.150		2359	8.090					
140	16.240		7.930	13.480	1900	3.283		0456	5.439					
141	17.070		11.800	19.990	1818	2.139		0444	7.900					
142	17.270		14.980	18.850	1532	9.350		0318	12.320					
143	18.610		18.270	25.360	1731	9.350		0432	13.800					
144	19.640		18.840	25.180	1538	13.830		0404	15.050					
145	19.130		14.510	18.140	1418	10.930		2400	13.930					
146	18.050		12.230	18.060	1814	8.640		2356	11.000					
147	17.930		12.930	17.790	1554	6.977		0451	8.620					
148	17.930		13.640	18.410	1608	8.730		0042	11.440					
149	17.390		13.830	15.860	0327	10.930		2356	12.920					
150	17.160		14.530	18.230	1620	10.840		0008	14.270					

Table 2.--Summary of 1985 temperature data at the raft station--Continued

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	MAXIMUM	MINIMUM	TEMPERATURE	TEMPERATURE
151	16.920	13.580	16.910	1451	10.580	2139	11.700					
152	16.760	10.500	15.590	0804	3.195	2358	8.010					
153	16.350	8.370	12.870	1644	2.227	0422	5.795					
154	16.710	11.130	15.500	1609	4.162	0443	7.757					
155	16.560	10.970	14.710	1530	5.921	2359	8.590					
156	17.420	12.320	20.780	1808	4.162	0437	8.790					
157	17.260	17.150	21.660	1855	11.190	0004	13.830					
158	17.830	20.960	28.260	1912	14.980	2317	16.040					
159	18.740	21.500	28.790	1200	13.660	0504	16.330					
160	17.940	15.650	19.730	1700	9.610	2321	10.990					
161	18.360	13.590	18.580	1508	7.500	0413	11.100					
162	17.860	10.420	13.750	0035	8.470	0912	9.620					
163	17.580	13.550	19.200	1722	6.097	0454	9.540					
164	18.450	14.520	21.660	1720	6.713	0408	10.720					

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	MAXIMUM	MINIMUM	TEMPERATURE	TEMPERATURE
165	18.140	14.760	17.530	1113	9.700	0033	13.380					
166	18.220	16.140	20.340	1848	12.340	2352	14.910					
167	18.650	17.700	25.180	1403	12.430	0025	14.080					
168	18.300	13.790	16.380	1837	10.930	1509	10.440					
169	18.140	14.440	18.940	1721	9.790	2357	12.110					
170	18.550	14.410	20.690	1635	8.200	0413	11.030					
171	19.070	17.720	23.950	1612	7.940	0358	13.470					
172	19.400	18.810	22.010	1440	13.130	2352	17.060					
173	18.700	14.280	19.110	1803	10.310	0809	11.090					
174	18.660	12.970	18.670	1833	7.150	0503	9.640					
175	19.070	16.390	22.190	1821	6.713	0419	12.670					

Table 2.--Summary of 1985 temperature data at the raft station--Continued

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	DRY-BULB	AIR	TEMPERATURE	TEMPERATURE	DRY-BULB	AIR	TEMPERATURE	TEMPERATURE
	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
176	19.010	19.480	21.130	1820	17.790	0339	18.140					
177	19.010	16.060	19.900	1627	13.750	0905	14.900					
178	18.840	13.770	15.680	1642	11.720	2357	13.320					
179	18.580	12.440	19.730	1817	9.520	2340	10.840					
180	19.470	15.600	22.450	1837	7.240	0539	12.580					
181	20.950	19.010	25.180	1709	11.990	0418	15.950					
182	21.750	20.560	26.240	1526	15.590	0414	17.390					
183	21.910	19.070	24.390	1658	13.920	0518	15.720					
184	22.540	21.750	29.490	1456	14.540	0341	18.260					
185	22.400	18.960	22.190	1714	15.500	0501	16.690					
186	22.440	20.940	26.410	1419	15.500	0441	17.410					
187	23.400	22.900	28.350	1230	15.240	0459	18.910					
188	23.920	25.100	32.040	1820	18.500	0521	20.360					
189	24.820	22.920	27.380	1506	18.320	2206	18.740					

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	DRY-BULB	AIR	TEMPERATURE	TEMPERATURE	DRY-BULB	AIR	TEMPERATURE	TEMPERATURE
	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)
190	24.760	19.960	23.510	1531	13.750	2358	16.190					
191	23.700	16.160	19.900	1937	12.600	0339	14.440					
192	23.540	16.430	22.370	1416	9.080	0445	13.150					
193	23.680	21.000	26.760	1700	11.630	0451	17.120					
194	24.000	23.240	27.200	1629	18.060	2348	20.710					
195	23.780	19.200	22.890	1533	13.660	2328	16.440					
196	23.320	16.870	21.930	1806	12.510	0445	13.920					
197	23.480	20.030	25.970	1431	11.550	0506	16.190					
198	23.200	19.790	25.090	1130	17.530	0454	18.860					
199	23.250	21.680	25.800	1631	18.850	0555	19.870					
200	23.430	18.790	23.510	1819	14.710	0524	15.670					
201	23.700	20.480	26.760	1709	13.750	0437	16.380					
202	23.590	17.730	21.220	1443	11.110	2357	13.660					
203	23.700	17.060	22.720	1651	8.730	0447	12.960					
204	23.320	22.590	27.560	1636	16.820	0044	18.130					
205	23.190	18.600	23.770	0003	13.660	2353	17.200					
206	23.220	17.430	23.070	1848	11.630	0451	14.600					

Table 2.--Summary of 1985 temperature data at the raft station--Continued

JULIAN DAY	DAILY AVERAGE			DAILY MAXIMUM			DAILY MINIMUM			TIME OF			DAILY AVERAGE		
	LAKE-SURFACE WATER TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	
207	23.450	18.070	25.180	26.240	18.310	0451	13.130	14.980	14.660						
208	23.590	20.810	26.240	22.540	18.310	0008	14.980	14.980	18.310						
209	23.800	19.430	22.540	22.540	14.34	2354	14.190	14.190	16.330						
210	23.740	16.800	22.370	22.370	15.45	0539	11.720	11.720	14.020						
211	23.430	17.380	20.690	20.690	13.27	0533	14.270	14.270	15.750						
212	23.640	18.780	25.270	25.270	17.22	0524	12.430	12.430	15.890						
213	23.810	19.320	24.480	24.480	15.08	0432	13.040	13.040	15.420						
214	23.530	19.960	23.600	23.600	15.27	0257	14.620	14.620	16.530						
215	23.480	21.880	25.880	25.880	15.38	0422	17.880	17.880	18.590						
216	23.370	20.530	25.000	25.000	14.18	0726	18.140	18.140	18.380						
217	23.330	20.590	24.650	24.650	15.54	0457	17.530	17.530	18.640						
218	23.530	20.600	26.240	26.240	10.34	2354	15.060	15.060	17.810						
219	23.630	20.630	27.120	27.120	17.49	0508	12.950	12.950	16.600						

JULIAN DAY	DAILY AVERAGE			DAILY MAXIMUM			DAILY MINIMUM			TIME OF			DAILY AVERAGE		
	LAKE-SURFACE WATER TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	LAKE-SURFACE WET-BULB TEMPERATURE (C)	LAKE-SURFACE DRY-BULB TEMPERATURE (C)	LAKE-SURFACE AIR TEMPERATURE (C)	
220	23.930	22.420	26.760	26.760	13.10	0516	16.380	16.380	18.730						
221	23.550	18.700	24.390	24.390	0030	2358	12.510	12.510	15.740						
222	22.800	14.080	19.550	19.550	18.40	0542	10.400	10.400	11.620						
223	22.500	16.520	21.220	21.220	14.00	0106	9.960	9.960	13.860						
224	21.890	17.260	21.220	21.220	15.05	0058	14.980	14.980	16.850						
225	21.180	16.540	19.550	19.550	17.43	0531	13.920	13.920	13.370						
226	20.780	15.700	21.130	21.130	17.32	0532	11.280	11.280	12.350						
227	21.260	16.400	23.420	23.420	16.47	0417	9.880	9.880	13.230						
228	21.150	18.480	22.890	22.890	14.10	0144	12.430	12.430	16.010						
229	20.810	16.630	20.610	20.610	0335	2354	11.460	11.460	14.800						
230	19.660	11.600	14.450	14.450	15.39	0813	9.170	9.170	9.830						
231	18.980	11.730	14.890	14.890	15.26	0400	9.080	9.080	10.360						
232	18.810	13.170	16.470	16.470	14.27	2400	10.490	10.490	11.520						
233	18.590	14.760	18.410	18.410	15.27	0035	10.400	10.400	13.340						
234	18.630	17.150	20.250	20.250	10.11	0538	14.620	14.620	16.360						
235	18.690	16.860	19.990	19.990	15.25	0843	14.980	14.980	16.180						
236	18.540	15.420	20.080	20.080	18.15	2234	13.130	13.130	14.760						
237	19.390	17.060	23.950	23.950	17.54	0524	10.930	10.930	14.600						
238	19.470	17.280	22.540	22.540	17.10	0547	10.230	10.230	15.010						

Table 2.--Summary of 1985 temperature data at the raft station--Continued

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	MAXIMUM	MINIMUM	TEMPERATURE	TEMPERATURE
239	19.840	17.190	22.450	1823	11.370	2352	14.500					
240	19.300	13.490	16.740	1202	9.520	0347	12.600					
241	18.780	14.110	17.000	1133	11.460	0559	13.380					
242	19.070	16.910	21.490	1705	12.780	0047	14.680					
243	18.860	17.630	20.780	1823	14.010	0212	17.060					
244	18.930	15.400	20.780	1822	11.190	2400	13.440					
245	18.680	14.730	17.620	2337	11.020	0014	14.310					
246	18.450	16.290	17.350	0507	14.100	2357	15.520					
247	18.610	17.210	23.070	1349	12.600	0454	16.070					
248	18.860	18.800	23.950	1547	13.830	0624	17.050					
249	19.390	18.680	23.600	1722	14.100	2239	16.480					
250	19.770	17.250	23.690	1418	11.720	0552	14.910					
251	19.340	14.390	17.090	0113	12.870	2345	12.970					
252	19.130	14.910	19.020	1658	11.810	0159	12.930					
253	18.880	11.420	16.740	1727	6.977	2338	9.690					
254	18.900	11.430	20.610	1620	5.130	0431	9.140					

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE	MAXIMUM	MINIMUM	TEMPERATURE	TEMPERATURE
255	18.470	11.770	16.820	1611	6.801	0250	9.240					
256	18.150	12.510	16.820	1552	7.850	0536	9.740					
257	17.970	14.810	19.290	1533	11.810	0627	12.120					
258	17.800	16.650	20.690	1512	11.810	0616	13.330					
259	17.640	18.040	20.340	1600	16.820	0533	16.920					
260	17.940	19.610	24.740	1721	14.710	2357	17.990					
261	17.980	19.940	25.710	1639	14.190	0250	19.390					
262	18.450	19.700	25.360	1506	9.520	2400	18.720					
263	17.370	6.978	9.960	0007	4.778	2019	5.671					
264	16.770	7.830	13.130	1714	2.315	0434	6.260					
265	16.430	11.240	13.390	1556	9.080	0110	10.480					
266	15.830	6.772	10.750	0007	3.107	2350	5.646					
267	14.710	3.223	7.320	1709	0.732	0609	1.442					

Table 2.---Summary of 1985 temperature data at the raft station--Continued

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)		TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	LAKE-SURFACE WATER TEMPERATURE (C)	TEMPERATURE (C)	AVERAGE DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MAXIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MINIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MAXIMUM DRY-BULB AIR TEMPERATURE (C)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MINIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)
268	14.280		4.744		11.280		-1.020		1705		0600		2.529	
269	14.050		6.003		12.070		-1.110		1602		0610		3.302	
270	13.510		7.540		10.670		5.042		1030		2358		5.315	
271	12.890		4.983		6.361		3.370		1649		0722		3.690	
272	12.480		5.212		7.060		3.898		1510		0518		4.404	
273	11.980		2.962		4.426		1.435		0001		2329		2.859	
274	11.490		4.574		10.310		1.699		1651		0037		2.726	
275	11.310		7.620		13.480		0.644		1408		0206		5.637	
276	11.320		9.020		15.590		2.843		1234		0631		7.385	
277	11.060		8.720		11.110		6.097		1148		2359		6.798	
278	10.660		4.954		6.801		2.931		1550		2250		3.665	
279	10.450		5.637		12.430		1.171		1259		2353		3.908	
280	10.120		4.060		8.030		0.028		2400		0218		3.878	
281	9.760		4.271		10.580		-1.110		0658		2400		4.015	
282	9.220		-0.041		3.546		-2.080		1653		0640		-0.220	

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C)		DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C)		DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C)		DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C)		TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)		TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)		DAILY AVERAGE WET-BULB AIR TEMPERATURE (C)	
	LAKE-SURFACE WATER TEMPERATURE (C)	TEMPERATURE (C)	AVERAGE DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MAXIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MINIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MAXIMUM DRY-BULB AIR TEMPERATURE (C)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)	MINIMUM DRY-BULB AIR TEMPERATURE (C)	TEMPERATURE (C)
283	9.040		1.722		7.590		-3.920		1627		0653		0.407	
284	8.960		7.480		13.660		1.171		1507		0449		4.558	
285	8.910		7.830		9.520		6.449		1229		2358		7.570	
286	8.880		7.630		13.570		2.667		1439		2226		5.763	
287	8.880		7.410		15.500		1.611		1438		2400		4.740	
288	8.720		1.666		5.745		-0.587		1541		2057		0.101	
289	8.470		2.447		6.713		-3.480		2335		0638		0.726	
290	8.390		9.080		16.120		1.523		1049		2339		7.066	
291	8.460		7.600		17.880		-0.059		1555		0350		4.897	
292	8.530		6.263		15.590		-1.110		1540		0706		3.577	
293	8.430		9.150		16.470		1.787		1535		0710		5.928	
294	8.530		9.050		13.750		3.107		1404		0554		7.867	
295	8.800		13.490		17.000		10.490		2343		0122		11.910	
296	9.190		12.800		16.910		8.290		0151		0716		9.520	

Table 3.--Summary of 1985 wind-speed data at the raft station

[mi/h, miles per hour; h, hour; blank, no data]

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	117	4.414	15.180	1510	0.700	2347
	118	5.512	19.880	1238	0.700	0858
	119	7.570	23.730	2208	1.266	2302
	120	5.408	19.850	1412	0.700	2327
	121	2.776	12.240	0801	0.671	0426
	122	4.368	19.490	1248	0.671	2102
	123	6.242	18.160	1538	0.700	0531
	124	9.210	23.790	1802	0.700	2211
	125	4.635	19.630	2205		
	126	6.565	25.770	1244	0.700	2400
	127	3.179	14.220	1254	0.671	1931
	128	6.867	22.850	1607	0.700	2128
	129	3.704	12.330	1212	0.700	2358
	130	5.525	18.100	1912	0.700	2115
	131	6.040	23.170	1244	0.700	2143
	132	7.120	23.960	1653	0.700	2336
2	117	4.559	16.370	1604	0.700	2347
	118	5.705	20.250	1238	0.671	0110
	119	8.270	24.010	1023	0.983	2302
	120	5.530	19.460	0901	0.671	2258
	121	2.817	12.500	0801	0.671	2003
	122	4.609	19.260	1248	0.671	2306
	123	7.100	18.380	2305	0.700	1052
	124	9.610	25.770	0632	0.671	2120
	125	4.624	21.520	2205	0.671	1826
	126	6.610	25.770	1244	0.671	2334
	127	3.022	13.800	1254	0.671	1931
	128	7.470	28.740	1640	0.671	0017
	129	3.646	12.100	0106	0.700	2400
	130	5.615	18.720	1912	0.671	0020
	131	6.865	23.190	1244	0.700	2143
	132	7.420	25.570	1507	0.671	0819
4	117	4.845	16.320	1604	0.700	2347
	118	6.122	23.670	1404	0.671	0114
	119	8.970	25.010	1023	0.700	2302
	120	5.940	18.950	0953	0.671	2258
	121	3.002	12.350	0835	0.671	2003
	122	4.974	19.740	1248	0.671	2306
	123	8.190	20.190	1326	0.700	1052
	124	10.340	25.600	0645	0.671	2120
	125	4.756	20.990	2205	0.671	1826
	126	6.926	27.300	1244	0.671	2334
	127	3.134	14.170	1317	0.671	2050
	128	8.140	29.310	1640	0.671	0016
	129	3.850	12.410	0803	0.700	2359
	130	6.197	19.060	1920	0.700	2115
	131	7.690	26.280	1244	0.700	2143
	132	7.940	26.390	1507	0.700	2143

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	133	3.358	17.190	1622	0.671	2133
	134	3.501	14.480	0839	0.700	2317
	135	5.314	15.750	2256	0.671	0149
	136	7.340	28.290	1531	0.700	2400
	137	4.967	20.960	1510	0.700	2400
	138	4.681	19.490	1518	0.671	0618
	139	8.010	22.260	1719	0.671	2250
	140	5.082	17.280	1726	0.700	2339
	141	2.662	12.580	1305	0.671	0831
	142	3.090	13.230	1438	0.671	2037
	143	2.304	10.520	1336	0.671	0637
	144	2.964	14.000	1328	0.671	0520
	145	4.178	13.460	0514	0.700	2240
	146	3.579	10.970	0654	0.700	2400
	147	3.523	12.580	1152	0.700	2359
	148	4.781	14.000	1533	0.700	0415
	149	5.737	20.050	0340	0.700	2400
150	3.836	15.550	2253	0.671	1744	
2	133	3.312	14.820	1640	0.671	2133
	134	3.468	14.790	0839	0.700	2317
	135	5.442	16.320	2038	0.700	1226
	136	7.640	26.450	1531	0.671	2353
	137	5.048	21.300	1538	0.671	2118
	138	4.761	18.950	1518	0.671	0623
	139	8.360	22.340	1719	0.671	2250
	140	5.045	18.500	1726	0.671	2327
	141	2.547	12.720	1305	0.671	0831
	142	3.356	12.440	1438	0.671	2037
	143	2.298	10.120	1213	0.671	2001
	144	2.931	14.820	1328	0.671	1920
	145	4.434	14.850	0511	0.671	0024
	146	3.523	11.280	0944	0.671	2139
	147	3.422	12.950	1224	0.671	2205
	148	4.998	14.170	1533	0.671	0158
	149	6.409	23.390	0642	0.700	2400
150	3.999	14.870	2255	0.671	1744	
4	133	3.358	15.780	1629	0.671	2133
	134	3.645	15.690	1121	0.700	2317
	135	5.933	18.500	2301	0.700	1226
	136	8.250	26.420	1348	0.671	2353
	137	5.337	21.890	1538	0.700	0622
	138	4.959	22.970	1712	0.671	0624
	139	9.000	28.880	1610	0.700	2257
	140	5.354	20.250	1048	0.671	2327
	141	2.438	12.130	1305	0.671	2031
	142	3.479	13.490	0805	0.671	2037
	143	2.227	11.390	1141	0.671	2114
	144	2.935	15.130	1328	0.671	2101
	145	4.793	14.900	0511	0.700	2200
	146	3.694	11.480	0944	0.671	2139
	147	3.607	13.430	1140	0.671	2205
	148	5.666	17.140	1534	0.671	0157
	149	7.310	27.470	0642	0.700	2358
150	4.376	17.560	2255	0.671	1744	

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND (h)
1	151	8.590	23.190	1553	0.700	2233
	152	8.640	27.130	1313	0.700	2335
	153	3.943	13.800	1050	0.671	2212
	154	2.777	10.320	1524	0.700	2337
	155	6.019	19.850	1748	0.700	2355
	156	2.774	11.110	0937	0.671	0023
	157	5.668	25.570	1318	0.700	1752
	158	5.492	21.210	1538	0.671	2330
	159	9.220	30.780	2121	0.671	0346
	160	11.430	30.720	0629	0.671	2238
	161	2.319	10.660	1214	0.671	1918
	162	2.831	11.220	0749	0.671	1907
	163	4.926	17.620	1249	0.671	2031
	164	2.613	11.280	1011	0.700	2400
2	151	8.920	24.920	1110	0.671	2121
	152	8.980	29.360	1313	0.700	2351
	153	3.913	14.590	0917	0.671	2215
	154	2.713	10.830	1409	0.671	0346
	155	6.053	20.310	1748	0.671	0003
	156	2.594	10.880	1506	0.671	2056
	157	6.327	24.580	1318	0.700	1752
	158	5.617	21.300	1538	0.671	2330
	159	9.740	31.850	2242	0.671	0346
	160	11.930	33.070	0629	0.671	2238
	161	2.140	10.260	1214	0.671	2339
	162	2.624	11.190	0749	0.671	1907
	163	4.939	17.840	1249	0.671	2031
	164	2.416	11.680	1011	0.671	2256
4	151	9.590	25.850	1110	0.671	2121
	152	9.510	28.540	1313	0.671	2213
	153	3.899	15.980	0917	0.671	2217
	154	2.562	12.160	1424	0.671	2400
	155	6.192	22.540	1609	0.671	2159
	156	2.465	10.910	1506	0.671	2056
	157	7.070	24.070	1318	0.700	1610
	158	5.943	22.010	1201	0.671	2330
	159	10.500	38.530	2242	0.671	0346
	160	12.780	36.240	1116	0.671	2238
	161	2.045	10.460	1214	0.671	2339
	162	2.564	11.170	1000	0.671	1907
	163	5.089	19.680	1743	0.671	2031
	164	2.454	12.040	1701	0.671	2256

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	165	4.328	11.900	1449	0.700	2116
	166	4.173	14.000	1702	0.671	2146
	167	7.610	26.310	1506	0.700	0526
	168	8.920	25.120	0521	2.313	2308
	169	6.725	19.770	1300	0.700	2359
	170	3.084	12.670	1009	0.700	2353
	171	6.223	19.490	2319	0.700	0610
	172	7.420	29.620	2341	0.700	1747
	173	12.130	32.760	1432	1.209	2246
	174	6.962	17.510	1542	0.700	2357
175	4.989	21.070	1810	0.700	2054	
2	165	4.437	11.170	1534	0.700	2258
	166	4.153	15.270	1702	0.671	2146
	167	8.070	28.830	1454	0.700	2109
	168	9.180	25.940	0521	1.973	0121
	169	6.880	20.140	1229	0.671	2219
	170	2.940	12.720	1143	0.700	2354
	171	6.615	18.840	1605	0.671	0140
	172	7.660	28.710	2341	0.700	1747
	173	12.550	32.960	1432	0.700	2254
	174	7.100	19.090	1109	0.671	2054
175	5.267	22.510	1815	0.700	2021	
4	165	4.664	13.400	1449	0.700	2257
	166	4.354	16.970	1535	0.671	2146
	167	8.750	32.110	1506	0.700	2216
	168	9.770	28.490	0522	1.662	2308
	169	7.330	23.840	1036	0.671	2219
	170	3.058	13.740	1143	0.671	2249
	171	7.540	23.080	1509	0.671	0140
	172	8.330	29.190	1618	0.700	1747
	173	13.530	32.160	1143	0.700	2250
	174	7.580	20.250	1109	0.671	2224
175	5.798	25.370	1815	0.671	0044	

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	176	6.282	23.110	1626	0.700	1731
	177	4.823	12.750	1434	0.700	2256
	178	5.515	12.810	1438	0.700	0443
	179	4.146	11.450	0745	0.671	2359
	180	2.242	11.620	1235	0.671	2233
	181	2.328	12.020	1404	0.671	0157
	182	4.482	16.030	1844	0.700	1029
	183	3.603	14.680	1037	0.671	1950
	184	5.220	20.900	1340	0.700	2359
	185	7.450	23.790	0251	0.671	0425
	186	4.246	20.450	0004	0.671	2230
	187	3.039	12.100	1229	0.671	0939
	188	4.038	16.970	1345	0.700	2400
189	3.751	14.960	1103	0.700	2400	
2	176	6.975	23.250	1626	0.700	1830
	177	4.852	13.320	1434	0.700	2329
	178	5.569	12.840	1438	0.700	0443
	179	4.021	12.580	0745	0.671	2400
	180	2.225	10.180	1235	0.671	2233
	181	2.472	11.340	1407	0.671	1313
	182	4.586	17.050	1844	0.700	2014
	183	3.585	14.450	1037	0.671	2343
	184	5.423	21.350	1302	0.671	2310
	185	7.730	25.260	0251	0.671	0425
	186	4.342	20.510	0004	0.671	2229
	187	3.300	13.430	1229	0.671	0940
	188	4.086	15.950	1345	0.671	2240
189	3.815	15.640	1103	0.671	1309	
4	176	7.930	26.050	1626	0.700	1712
	177	5.308	14.870	1434	0.700	2256
	178	5.986	14.590	0755	0.700	0055
	179	4.251	13.200	0745	0.671	2400
	180	2.419	12.380	1130	0.671	2233
	181	2.636	11.730	1455	0.671	2151
	182	4.947	18.180	1804	0.700	1029
	183	3.946	14.820	1037	0.671	2134
	184	5.900	22.010	1307	0.671	2314
	185	8.480	26.670	2313	0.671	0425
	186	4.749	21.010	0004	0.671	2230
	187	3.624	12.780	1229	0.671	0940
	188	4.443	15.690	1345	0.671	2238
189	4.082	15.010	1103	0.671	2256	

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	190	5.666	18.780	1822	0.700	2348
	191	3.506	14.420	0728	0.671	0208
	192	2.241	10.660	1606	0.671	0559
	193	3.676	12.210	1239	0.700	1127
	194	5.047	15.950	1341	0.671	2059
	195	4.455	18.350	1614	0.671	0249
	196	5.180	21.380	1213	0.671	2129
	197	4.245	17.140	2110	0.700	2329
	198	5.132	19.030	0237	0.700	2312
	199	4.336	15.640	1546	0.671	2016
	200	5.891	18.720	1227	0.671	2308
	201	5.416	17.730	1536	0.671	2133
	202	6.308	21.160	1231	0.700	2344
	203	3.131	13.400	1358	0.671	0708
	204	9.750	24.180	1156	2.454	2354
	205	4.571	13.740	0152	0.700	2244
	206	3.548	15.380	1116	0.700	2359
2	190	5.729	21.890	1106	0.671	2233
	191	3.366	13.200	0728	0.671	0204
	192	1.994	9.950	1606	0.671	1301
	193	3.967	12.040	1254	0.671	1119
	194	5.105	16.710	1359	0.671	2059
	195	4.532	17.960	1614	0.671	2237
	196	5.282	21.300	1213	0.671	2208
	197	4.614	15.780	1615	0.700	2329
	198	5.448	21.160	0236	0.671	1117
	199	4.359	15.270	1401	0.671	2016
	200	5.993	19.460	1227	0.671	2308
	201	5.408	19.340	1401	0.671	2352
	202	6.433	19.830	1138	0.700	2400
	203	3.242	13.630	1358	0.671	0912
	204	9.900	24.670	1014	2.398	2354
	205	4.599	15.210	1524	0.671	2146
	206	3.430	14.310	1116	0.671	2303
4	190	6.309	23.020	1642	0.671	2233
	191	3.666	15.750	0727	0.671	2146
	192	2.171	10.800	1606	0.671	1301
	193	4.549	13.520	1322	0.671	1119
	194	5.587	17.840	1359	0.671	2059
	195	4.951	19.120	1614	0.671	2238
	196	5.780	22.230	1213	0.671	2208
	197	4.971	16.910	1304	0.671	0102
	198	6.132	20.530	0236	0.671	1117
	199	4.729	17.140	1401	0.558	0822
	200	6.571	20.590	1227	0.671	2104
	201	5.699	20.080	1401	0.671	0632
	202	6.942	23.190	1214	0.671	2349
	203	3.379	13.540	1358		
	204	10.690	25.600	0929	1.294	2354
	205	5.043	15.300	0151	0.671	2148
	206	3.644	15.070	1133	0.671	2303

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	207	2.788	13.600	1101	0.671	1927
	208	5.004	21.720	0513	0.671	2033
	209	4.998	18.610	1257	0.700	2349
	210	2.795	10.490	1227	0.700	2400
	211	1.852	8.760	1051	0.671	2217
	212	2.170	9.130	1536	0.671	1943
	213	3.348	12.920	1225	0.671	0714
	214	6.663	21.670	1107	0.700	1951
	215	7.330	20.390	1420	1.152	0141
	216	6.652	18.040	0028	0.841	2005
	217	4.908	15.380	1532	0.671	2201
	218	5.269	18.920	1038	0.671	0324
	219	4.068	18.270	1134	0.700	2400
2	207	2.643	14.990	1101	0.671	2232
	208	5.206	21.810	0524	0.671	2033
	209	5.045	20.760	1641	0.671	0549
	210	2.654	10.830	1117	0.671	2157
	211	1.724	9.300	1057	0.671	2219
	212	2.008	8.700	1217	0.671	1943
	213	3.497	15.610	1330	0.671	0713
	214	6.902	21.580	1107	0.700	1951
	215	8.140	23.020	1514	0.784	0134
	216	7.170	18.210	0016	0.700	2359
	217	4.992	18.040	1613	0.671	2201
	218	5.300	19.880	1527	0.671	2308
	219	4.002	18.330	1134	0.671	2217
4	207	2.775	14.870	1101	0.671	2232
	208	5.629	27.980	0515	0.671	2309
	209	5.422	21.670	1641	0.700	2349
	210	2.926	11.850	1117	0.671	2157
	211	2.012	9.640	1114	0.671	2212
	212	2.268	13.090	1139	0.671	0530
	213	3.886	15.670	1330	0.671	0359
	214	7.480	23.190	1225	0.700	0423
	215	8.990	25.090	1514	0.700	0526
	216	7.690	19.200	0030	0.700	2400
	217	5.328	20.360	1625	0.671	2201
	218	5.750	23.190	1527	0.671	2308
	219	4.414	19.030	1134	0.671	0328

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	220	6.869	24.070	1453	0.700	0907
	221	7.240	22.570	1258	0.700	1915
	222	5.383	17.960	1021	0.671	2232
	223	5.170	19.740	1314	0.700	1829
	224	7.720	20.960	1916	1.039	2238
	225	10.350	30.240	1628	2.341	0216
	226	6.649	21.040	1156	0.671	2258
	227	3.325	21.470	1843	0.700	2341
	228	5.879	21.210	2146	0.671	0101
	229	11.430	28.000	2219	1.973	0253
	230	11.080	27.920	0607	3.331	2241
	231	4.553	12.640	1117	0.700	2400
	232	2.344	8.220	1544	0.700	2047
	233	5.362	15.130	1614	0.700	0046
	234	4.571	13.060	0438	0.700	2241
	235	3.095	12.100	0343	0.671	1919
	236	3.420	11.650	0708	0.700	2400
	237	2.048	9.070	1117	0.700	2234
	238	4.506	17.960	1431	0.671	1941
2	220	7.530	24.180	1453	0.671	0256
	221	7.450	27.180	1258	0.700	1915
	222	5.461	18.240	1021	0.671	2232
	223	5.657	21.210	1324	0.671	0413
	224	8.430	21.180	1916	0.700	2217
	225	10.760	28.600	1628	2.086	0331
	226	6.826	21.300	1111	0.671	2258
	227	3.258	22.180	1843		
	228	6.643	24.270	2336	0.671	0101
	229	11.940	27.840	2219	1.605	0253
	230	11.640	28.290	0607	3.416	2109
	231	4.617	13.490	0859	0.671	1922
	232	2.297	10.030	1537	0.700	1704
	233	6.165	17.530	1147	1.435	0427
	234	5.159	16.060	0439	0.700	1751
	235	3.123	11.680	0304	0.671	1919
	236	3.426	12.160	1406	0.671	2318
	237	1.990	9.520	1304	0.700	2234
	238	4.620	17.820	1431	0.700	2351
4	220	8.350	25.830	1453	0.671	0250
	221	7.970	29.140	1258	0.700	0639
	222	5.774	18.610	1118	0.671	2232
	223	6.380	20.930	1324	0.700	1829
	224	9.260	24.520	0409	1.322	2238
	225	11.510	31.230	1254	2.596	0244
	226	7.270	27.300	1111	0.671	2258
	227	3.281	26.700	1856	0.671	1130
	228	7.520	26.280	2139	0.671	0101
	229	12.780	30.300	1620	2.086	0253
	230	12.470	27.350	0607	3.558	2109
	231	4.910	13.710	0026	0.700	2357
	232	2.567	10.350	1537	0.700	2349
	233	7.160	19.400	1147	1.747	0143
	234	5.861	16.830	1631	0.700	1900
	235	3.495	11.850	0304	0.671	1919
	236	3.729	13.180	1442	0.671	2319
	237	2.215	9.500	1304	0.700	2233
	238	4.945	18.890	1045	0.700	2351

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	239	2.021	10.540	1517	0.671	2117
	240	2.956	13.350	2155	0.671	2002
	241	2.946	13.970	0117	0.700	2359
	242	4.230	15.690	2242	0.700	0851
	243	5.091	21.780	0620	0.671	2316
	244	3.613	13.540	1114	0.671	2233
	245	4.603	15.950	1701	0.700	2344
	246	4.168	10.260	1449	0.700	2256
	247	4.441	15.300	1300	0.671	1759
	248	5.883	34.770	2211	0.700	2349
	249	4.059	15.610	1312	0.700	2325
	250	3.225	14.080	0842	0.671	2231
	251	3.852	12.670	0902	0.671	0627
	252	3.098	11.140	1248	0.700	2325
	253	2.940	9.780	1153	0.671	2205
	254	2.287	9.470	1103	0.671	1447
2	239	1.933	10.910	1518	0.671	2332
	240	2.928	14.340	2155	0.643	1740
	241	2.908	12.410	0117	0.700	2400
	242	4.656	14.990	2242	0.671	0040
	243	5.454	23.390	0620	0.671	2316
	244	3.612	14.850	1306	0.671	2233
	245	5.232	17.000	1131	0.700	2344
	246	4.130	10.200	1449	0.700	2244
	247	4.469	15.690	1300	0.671	2209
	248	6.590	36.690	2211	0.671	0502
	249	4.094	15.780	1312	0.671	2158
	250	3.183	13.370	0842	0.671	2231
	251	3.825	12.580	0917	0.671	1956
	252	2.983	11.850	0938	0.671	1955
	253	2.839	9.980	1153	0.671	2004
	254	2.113	9.920	1110	0.671	2020
4	239	2.148	11.110	1521	0.671	2330
	240	3.342	13.740	2155	0.671	1956
	241	3.303	14.450	0117	0.700	2400
	242	5.108	17.870	2242	0.700	1417
	243	5.849	22.290	0620	0.473	1831
	244	3.933	15.550	1306	0.671	2234
	245	6.032	20.190	1211	0.700	2344
	246	4.513	11.020	1206	0.700	2244
	247	4.780	15.330	1039	0.671	2209
	248	7.430	39.950	2211	0.700	2355
	249	4.340	17.220	0003	0.671	2158
	250	3.515	13.660	1043	0.671	2231
	251	4.195	13.120	0902	0.700	2358
	252	3.314	12.040	0938	0.700	2344
	253	3.119	11.360	1328	0.671	1407
	254	2.241	9.750	1409	0.671	1447

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	255	5.037	19.060	1232	0.671	0341
	256	5.843	18.100	0945	1.266	0014
	257	6.813	18.380	1525	1.888	0011
	258	9.140	23.310	1925	2.765	0242
	259	8.130	20.620	1356	2.086	1418
	260	4.185	26.560	0204	0.671	2000
	261	4.344	13.430	1250	0.700	1428
	262	8.630	22.340	2301	2.398	0102
	263	8.430	25.490	0541	0.700	2335
	264	5.525	15.330	1345	0.700	1302
	265	4.839	10.570	1350	1.011	1119
	266	11.000	28.800	2046	2.313	0017
	267	7.300	20.900	1001	0.700	2250
2	255	5.510	22.150	1232	0.671	1942
	256	6.455	20.680	0925	1.067	1905
	257	7.180	22.910	1303	1.379	0011
	258	10.420	23.590	1514	2.850	0136
	259	8.670	21.010	1348	2.115	1418
	260	4.371	27.330	0219	0.671	2254
	261	4.597	17.280	1453	0.700	1428
	262	9.060	22.740	2249	2.256	0158
	263	8.780	24.580	0541	0.671	1922
	264	5.741	17.760	1052	0.671	0455
	265	4.568	11.450	0140	0.700	2202
	266	11.470	32.590	2046	2.115	0017
	267	7.600	22.660	1001	0.700	2349
4	255	6.029	21.750	1232	0.671	1945
	256	6.954	21.100	0910	0.700	2354
	257	7.560	22.880	1303	0.700	0011
	258	11.350	26.700	1525	2.454	0242
	259	9.150	22.090	1352	2.001	1017
	260	4.711	28.200	0219	0.671	2254
	261	4.927	17.590	1453	0.700	1422
	262	9.650	23.450	0940	2.369	0158
	263	9.210	28.770	0541	0.671	1922
	264	5.980	19.340	1103	0.671	0455
	265	4.639	13.800	0136	0.700	2207
	266	12.250	34.740	2046	1.916	0015
	267	7.950	23.620	1001	0.700	2357

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	268	3.499	12.550	1622	0.671	0759
	269	4.838	16.910	1655	0.643	0319
	270	8.970	19.060	1228	1.181	0947
	271	6.961	17.080	1239	1.407	2239
	272	5.183	14.620	1029	0.841	1727
	273	6.139	19.910	0825	0.728	2154
	274	5.969	16.460	1529	0.700	2400
	275	5.310	19.800	0933	0.700	2349
	276	2.713	11.390	1445	0.671	1919
	277	9.480	25.660	1200	0.700	0223
	278	7.680	20.480	0019	0.700	2344
	279	5.486	18.520	1401	0.671	2258
	280	6.123	20.900	1736	0.671	0335
	281	9.930	23.730	1237	0.813	0555
282	5.608	16.060	0426	0.700	2357	
2	268	3.450	13.090	1549	0.671	2229
	269	4.860	17.650	1655	0.671	0329
	270	9.380	20.000	1020	0.700	0947
	271	7.230	16.910	1239	0.841	2227
	272	5.341	14.000	1029	0.700	1731
	273	6.385	19.430	0825	0.700	2154
	274	6.110	16.600	1529	0.671	2135
	275	5.397	18.860	0933	0.671	0241
	276	2.587	11.820	1445	0.671	1919
	277	9.950	27.610	1200	0.700	0335
	278	7.980	21.520	0019	0.671	2313
	279	5.581	20.170	1401	0.671	2258
	280	6.341	20.250	1715	0.671	0332
	281	10.420	26.930	1237	0.700	0320
282	5.788	16.800	0426	0.700	2357	
4	268	3.104	14.310	1448	0.671	2231
	269	4.768	17.530	1527	0.671	0403
	270	9.990	21.270	1020	0.700	0947
	271	7.550	16.320	0452	0.700	2257
	272	5.502	16.290	0902	0.700	0840
	273	6.652	17.760	0825	0.756	2154
	274	6.329	19.030	1428	0.671	2136
	275	5.426	19.060	1205	0.671	0243
	276	2.276	15.040	1447	0.671	1919
	277	10.620	26.760	1515	0.700	0227
	278	8.330	23.080	0019	0.671	2315
	279	5.601	21.520	1414	0.671	2258
	280	6.855	25.710	1455	0.671	0406
	281	10.920	29.310	1237	0.700	0554
282	5.798	16.940	0011	0.700	2400	

Table 3.--Summary of 1985 wind-speed data at the raft station--Continued

HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m)	JULIAN DAY	DAILY AVERAGE WIND SPEED (mi/h)	DAILY MAXIMUM WIND SPEED (mi/h)	TIME OF MAXIMUM WIND SPEED (h)	DAILY MINIMUM WIND SPEED (mi/h)	TIME OF MINIMUM WIND SPEED (h)
1	283	4.447	17.450	1601	0.700	1816
	284	5.736	16.660	1138	0.700	0834
	285	5.690	16.200	1553	0.700	0819
	286	4.565	17.000	1146	0.700	2233
	287	7.510	25.910	1311	0.700	2328
	288	4.403	18.160	1346	0.671	0020
	289	4.923	16.910	2045	0.700	1004
	290	7.370	22.740	1039	0.671	1752
	291	3.820	15.750	1345	0.671	2129
	292	2.974	11.590	1026	0.671	0259
	293	5.858	18.100	1301	1.379	1720
	294	6.199	17.790	2221	0.700	0538
	295	9.440	26.170	2023	2.850	0710
	296	8.020	25.090	0137	0.700	2247
2	283	4.443	18.100	1601	0.671	0606
	284	6.138	17.390	1158	0.700	0834
	285	5.984	16.910	1553	0.700	0828
	286	4.559	17.450	1146	0.671	2017
	287	7.720	27.920	1348	0.671	0653
	288	4.394	18.670	1346	0.671	2106
	289	5.359	18.550	2335	0.671	0704
	290	7.800	24.010	1154	0.671	1752
	291	3.877	16.150	1246	0.671	2129
	292	2.943	12.520	1113	0.671	0259
	293	6.169	18.860	1337	0.700	1744
	294	6.914	20.620	2240	0.700	0605
	295	11.180	26.080	1742	2.850	0710
	296	8.370	21.610	0137	0.700	2253
4	283	4.121	17.900	1601	0.671	0606
	284	6.455	17.990	1158	0.643	0601
	285	6.275	19.030	1553	0.700	2213
	286	4.590	18.670	1106	0.671	2017
	287	8.110	28.660	1348	0.700	2400
	288	4.479	19.340	1346	0.671	2106
	289	5.633	21.690	2335	0.700	1042
	290	8.230	26.620	1039	0.671	2243
	291	3.891	17.560	1246	0.671	2347
	292	2.845	13.710	1113	0.671	2013
	293	6.483	20.250	1305	0.700	1746
	294	7.060	21.240	2240	0.671	0616
	295	12.950	27.410	2023	5.143	0002
	296	8.980	23.530	1343	0.700	2253

Table 4.--Summary of 1985 radiation data at the land station

[(cal/cm²)/d, calories per square centimeter per day; h, hour;
(cal/cm²)/min, calories per square centimeter per minute]

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM	
	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]
117	448.0		1.785		588.9		0.474		1313		0.354		0204			
118	614.6		1.317		602.5		0.511		0836		0.354		0347			
119	511.1		1.488		680.0		0.587		1301		0.384		0533			
120	574.0		1.290		605.2		0.505		0001		0.332		2357			
121	637.0		1.307		553.4		0.440		1745		0.321		0351			
122	566.0		1.406		643.3		0.514		1425		0.380		0100			
123	455.5		1.527		666.4		0.537		1533		0.380		0353			
124	419.3		1.464		699.4		0.569		1654		0.415		2359			
125	410.0		1.462		641.9		0.518		1255		0.341		0453			
126	549.3		1.590		595.3		0.510		1343		0.348		2400			
127	663.2		1.323		581.3		0.442		1411		0.348		0016			
128	614.2		1.528		673.6		0.576		2002		0.380		0007			
129	551.7		1.839		695.0		0.605		0928		0.436		2202			
130	145.4		0.761		752.0		0.576		1423		0.416		0206			
131	240.8		1.659		765.0		0.566		0916		0.478		0742			
132	166.7		1.671		671.9		0.533		0942		0.355		2253			

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM	
	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]
133	551.0		1.429		614.6		0.524		1719		0.345		0244			
134	123.0		0.635		709.0		0.507		2158		0.417		0012			
135	102.6		0.448		734.0		0.521		1424		0.500		0218			
136	378.4		1.685		657.0		0.520		1419		0.360		2400			
137	549.8		1.509		607.4		0.505		1406		0.361		0005			
138	528.2		1.350		621.1		0.468		1320		0.368		0006			
139	664.0		1.590		570.6		0.497		0225		0.335		2359			
140	621.2		1.948		548.8		0.459		1346		0.328		0128			
141	703.0		1.363		585.0		0.440		2140		0.363		0715			
142	363.4		1.709		697.2		0.534		1405		0.393		0051			
143	685.7		1.366		649.8		0.508		1451		0.404		0127			
144	567.7		1.597		705.0		0.599		1424		0.423		0123			
145	150.1		1.595		747.0		0.556		1248		0.481		0556			
146	262.1		1.164		677.8		0.523		1343		0.374		2209			
147	667.0		1.553		603.1		0.462		2027		0.373		0628			
148	321.5		1.578		689.7		0.530		2003		0.377		0021			
149	76.9		0.227		733.0		0.547		1141		0.422		2155			
150	169.1		0.700		760.0		0.551		1403		0.484		1617			

Table 4.--Summary of 1985 radiation data at the land station--Continued

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]		DAILY MAXIMUM SHORT-WAVE SOLAR RADIATION [(col/cm ²)/min]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]		DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]		DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]		TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)		TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	
	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]	LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/min]	LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
151	167.1	664.1	2.014	664.1	664.1	0.540	1130	664.1	0.391	1116	2142			
152	315.5	594.0	1.893	594.0	594.0	0.515	1212	594.0	0.319	0818	2237			
153	344.2	616.4	1.911	616.4	616.4	0.489	1143	616.4	0.366	0904	0813			
154	540.1	597.5	1.693	597.5	597.5	0.487	1110	597.5	0.332	1649	0329			
155	454.5	608.5	1.885	608.5	608.5	0.518	1248	608.5	0.345	1014	2246			
156	571.6	580.3	1.399	580.3	580.3	0.455	1224	580.3	0.363	2400	0651			
157	91.0	724.0	0.633	724.0	724.0	0.561	0854	724.0	0.390	1224	0220			
158	365.7	688.3	1.427	688.3	688.3	0.540	1036	688.3	0.433	1009	0216			
159	275.3	740.0	1.657	740.0	740.0	0.616	1320	740.0	0.445	1212	0020			
160	679.4	605.4	1.400	605.4	605.4	0.482	1058	605.4	0.383	1656	0509			
161	407.6	673.0	1.334	673.0	673.0	0.513	1355	673.0	0.407	1422	0002			
162	104.3	683.7	0.380	683.7	683.7	0.498	1413	683.7	0.412	0100	2124			
163	646.7	607.0	1.792	607.0	607.0	0.511	1119	607.0	0.374	1607	2400			
164	555.2	619.7	1.637	619.7	619.7	0.513	1220	619.7	0.364	1220	0107			

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]		DAILY MAXIMUM SHORT-WAVE SOLAR RADIATION [(col/cm ²)/min]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]		DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]		DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]		TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)		TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	
	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/d]	LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(col/cm ²)/min]	LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(col/cm ²)/min]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
165	233.7	722.0	1.004	722.0	722.0	0.534	0852	722.0	0.423	2257	0003			
166	373.7	724.0	1.860	724.0	724.0	0.559	1253	724.0	0.415	1253	2225			
167	386.8	683.4	1.630	683.4	683.4	0.577	1103	683.4	0.394	1328	2228			
168	435.0	649.3	1.673	649.3	649.3	0.507	1018	649.3	0.389	2400	0306			
169	527.4	672.5	1.714	672.5	672.5	0.543	1318	672.5	0.378	1258	2210			
170	601.3	631.2	1.838	631.2	631.2	0.525	1226	631.2	0.387	1226	2256			
171	685.7	677.6	1.563	677.6	677.6	0.536	1313	677.6	0.410	2058	0651			
172	260.3	756.0	1.634	756.0	756.0	0.580	1333	756.0	0.481	1331	0249			
173	658.1	638.1	1.739	638.1	638.1	0.507	1022	638.1	0.383	0017	2347			
174	740.0	571.9	1.400	571.9	571.9	0.442	1150	571.9	0.351	1357	0500			
175	558.4	687.3	1.562	687.3	687.3	0.550	1231	687.3	0.419	1845	0800			

Table 4.--Summary of 1985 radiation data at the land station--Continued

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/d]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]		TIME OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)		TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)		DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]		DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	
	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)		
176	88.0	813.0	1.283	0.589	0.924	0.589	0.589	0.924	1812	0.494	0.016	0.494	0.016			
177	321.0	754.0	1.726	0.582	1.348	0.582	0.582	1.348	0010	0.459	1558	0.459	1558			
178	171.4	744.0	0.741	0.543	1.310	0.543	0.543	1.310	1424	0.465	2257	0.465	2257			
179	297.1	683.3	1.103	0.510	1.116	0.510	0.510	1.116	1441	0.386	2132	0.386	2132			
180	721.0	651.0	1.714	0.492	1.119	0.492	0.492	1.119	1124	0.420	0725	0.420	0725			
181	703.0	685.6	1.451	0.517	1.203	0.517	0.517	1.203	1613	0.435	0648	0.435	0648			
182	509.2	728.0	1.634	0.592	1.212	0.592	0.592	1.212	1559	0.427	2400	0.427	2400			
183	699.9	654.7	1.481	0.505	1.211	0.505	0.505	1.211	1348	0.407	0456	0.407	0456			
184	581.5	743.0	1.399	0.613	1.154	0.613	0.613	1.154	1436	0.452	2219	0.452	2219			
185	537.0	735.0	1.720	0.573	1.142	0.573	0.573	1.142	0228	0.448	0700	0.448	0700			
186	642.7	713.0	1.335	0.549	1.353	0.549	0.549	1.353	0013	0.458	2295	0.458	2295			
187	450.3	751.0	1.484	0.589	1.115	0.589	0.589	1.115	1314	0.479	0731	0.479	0731			
188	677.3	732.0	1.325	0.554	1.151	0.554	0.554	1.151	1138	0.453	0429	0.453	0429			
189	644.0	716.0	1.334	0.557	1.141	0.557	0.557	1.141	1701	0.459	2136	0.459	2136			

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/d]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]		DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]		TIME OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)		TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)		DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]		DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	
	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm ²)/min]	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)		
190	646.4	697.7	1.628	0.566	1.214	0.566	0.566	1.214	1041	0.406	2238	0.406	2238			
191	88.2	691.8	0.725	0.546	1.025	0.546	0.546	1.025	1431	0.394	2156	0.394	2156			
192	427.6	668.5	1.670	0.521	1.224	0.521	0.521	1.224	1229	0.409	0725	0.409	0725			
193	604.3	716.0	1.343	0.570	1.243	0.570	0.570	1.243	2311	0.436	0631	0.436	0631			
194	334.5	752.0	1.403	0.580	1.406	0.580	0.580	1.406	0935	0.461	2244	0.461	2244			
195	381.7	706.0	1.613	0.551	1.325	0.551	0.551	1.325	1610	0.404	2257	0.404	2257			
196	568.0	664.5	1.742	0.530	1.243	0.530	0.530	1.243	1434	0.410	2213	0.410	2213			
197	558.1	716.0	1.433	0.629	1.326	0.629	0.629	1.326	2221	0.442	0015	0.442	0015			
198	195.9	795.0	1.365	0.580	1.127	0.580	0.580	1.127	2100	0.492	0817	0.492	0817			
199	493.4	779.0	1.750	0.595	1.155	0.595	0.595	1.155	1317	0.474	2400	0.474	2400			
200	687.1	651.4	1.627	0.528	1.144	0.528	0.528	1.144	1144	0.397	0508	0.397	0508			
201	588.6	729.0	1.570	0.564	1.236	0.564	0.564	1.236	1923	0.451	0714	0.451	0714			
202	523.8	641.9	1.403	0.549	1.113	0.549	0.549	1.113	0235	0.374	2244	0.374	2244			
203	677.8	647.8	1.327	0.479	1.155	0.479	0.479	1.155	0624	0.409	0737	0.409	0737			
204	475.9	732.0	1.425	0.574	1.104	0.574	0.574	1.104	1402	0.433	0041	0.433	0041			
205	316.9	748.0	1.478	0.592	1.421	0.592	0.592	1.421	0037	0.419	2114	0.419	2114			
206	610.2	670.8	1.562	0.527	1.137	0.527	0.527	1.137	1359	0.427	0747	0.427	0747			

Table 4.--Summary of 1985 radiation data at the land station--Continued

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		TIME OF		DAILY MINIMUM		TIME OF	
	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/d]	SHORT-WAVE RADIATION [(cal/cm ²)/min]	SOLAR RADIATION (h)	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/d]	SHORT-WAVE RADIATION [(cal/cm ²)/min]	SOLAR RADIATION (h)	LONG-WAVE RADIATION [(cal/cm ²)/min]	LONG-WAVE RADIATION (h)	LONG-WAVE RADIATION [(cal/cm ²)/min]	LONG-WAVE RADIATION [(cal/cm ²)/min]	LONG-WAVE RADIATION (h)	LONG-WAVE RADIATION (h)
207	678.2		1.430	1241	661.3		0.508	0614	0.420	2034	0.476	2034		
208	344.0		1.496	1342	752.0		0.592	1500	0.476	2204	0.406	2204		
209	658.7		1.362	1317	687.0		0.542	0022	0.406	2151	0.409	2151		
210	368.4		1.540	1049	661.8		0.524	0957	0.409	0633	0.487	0633		
211	209.0		0.969	1048	743.0		0.534	1307	0.487	0011	0.433	0011		
212	458.1		1.312	1140	688.0		0.524	0100	0.433	2211	0.426	2211		
213	558.8		1.362	1313	678.6		0.515	1422	0.426	2123	0.461	2123		
214	436.0		1.609	1159	725.0		0.579	1440	0.461	0652	0.474	0652		
215	467.9		1.548	1258	764.0		0.589	1300	0.474	0026	0.481	0026		
216	264.5		1.639	1218	787.0		0.600	1453	0.481	1926	0.468	1926		
217	405.9		1.663	1123	758.0		0.593	1128	0.468	2159	0.426	2159		
218	351.1		1.501	1407	725.0		0.556	0647	0.426	2150	0.449	2150		
219	581.9		1.260	1205	705.0		0.549	1739	0.449	0739		0739		

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		TIME OF		DAILY MINIMUM		TIME OF	
	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/d]	SHORT-WAVE RADIATION [(cal/cm ²)/min]	SOLAR RADIATION (h)	SHORT-WAVE RADIATION [(cal/cm ²)/d]	LONG-WAVE RADIATION [(cal/cm ²)/d]	SHORT-WAVE RADIATION [(cal/cm ²)/min]	SOLAR RADIATION (h)	LONG-WAVE RADIATION [(cal/cm ²)/min]	LONG-WAVE RADIATION (h)	LONG-WAVE RADIATION [(cal/cm ²)/min]	LONG-WAVE RADIATION [(cal/cm ²)/min]	LONG-WAVE RADIATION (h)	LONG-WAVE RADIATION (h)
220	342.6		1.238	1147	754.0		0.599	2222	0.474	0023	0.429	0023		
221	232.4		1.150	1145	743.0		0.602	0035	0.429	1800	0.384	1800		
222	559.2		1.784	1247	619.2		0.524	1313	0.384	0732	0.422	0732		
223	468.9		1.634	1051	709.0		0.547	2108	0.422	0859	0.439	0859		
224	74.0		1.322	1431	764.0		0.589	1431	0.439	2207	0.399	2207		
225	78.8		1.434	1109	660.3		0.530	0850	0.399	2400	0.416	2400		
226	521.2		1.470	1132	606.8		0.502	1443	0.416	0528	0.458	0528		
227	485.3		1.550	1253	681.9		0.534	1835	0.458	0759	0.413	0759		
228	407.1		1.315	1211	735.0		0.570	2357	0.413	0837	0.386	0837		
229	225.0		1.401	1409	739.0		0.573	0045	0.386	2146	0.409	2146		
230	239.8		1.696	1105	679.7		0.505	1421	0.409	2051	0.378	2051		
231	244.6		1.752	1226	686.5		0.517	1226	0.378	0133	0.386	0133		
232	264.8		1.328	1521	677.8		0.515	1431	0.386	2226	0.409	2226		
233	261.7		1.501	1314	737.0		0.544	1630	0.409	0010	0.478	0010		
234	185.4		1.033	1013	770.0		0.567	1159	0.478	0659	0.420	0659		
235	186.2		1.576	1352	775.0		0.566	1337	0.420	1403	0.413	1403		
236	187.0		1.309	1226	733.0		0.549	1226	0.413	2057	0.427	2057		
237	548.4		1.285	1230	666.8		0.507	0720	0.427	2141		2141		
238	451.5		1.376	1209	690.9		0.550	1948		0811		0811		

Table 4.--Summary of 1985 radiation data at the land station--Continued

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL	
	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]
239	449.9		1.393	671.0	1213		0.531	1134	0.400		2113		0.400	2113
240	134.9		0.794	712.0	0826		0.533	1635	0.432		0836		0.432	0836
241	207.6		1.558	746.0	1118		0.534	1231	0.420		2400		0.420	2400
242	515.7		1.306	682.0	1343		0.524	1410	0.416		0037		0.416	0037
243	68.1		0.337	771.0	1522		0.586	1533	0.425		0132		0.425	0132
244	516.3		1.170	648.9	1214		0.507	0007	0.403		2038		0.403	2038
245	58.7		0.307	754.0	1341		0.550	2014	0.448		0019		0.448	0019
246	152.5		0.695	778.0	0941		0.556	0542	0.504		2212		0.504	2212
247	236.6		1.263	739.0	1325		0.574	1705	0.446		2139		0.446	2139
248	436.4		1.360	731.0	1227		0.599	1507	0.426		0552		0.426	0552
249	314.2		1.085	705.0	1213		0.564	0755	0.429		2118		0.429	2118
250	306.9		1.134	690.3	1331		0.590	1428	0.400		0427		0.400	0427
251	101.9		0.580	743.0	1125		0.551	0110	0.464		0623		0.464	0623
252	416.3		1.293	711.0	1010		0.518	1055	0.427		1507		0.427	1507
253	296.1		1.529	645.3	1245		0.501	0033	0.360		2035		0.360	2035
254	430.3		1.179	589.8	1147		0.461	0746	0.368		2032		0.368	2032

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL		DAILY MAXIMUM		DAILY TOTAL	
	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/d]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/min]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]	SHORT-WAVE SOLAR RADIATION [(cal/cm ²)/min]	LONG-WAVE SOLAR RADIATION [(cal/cm ²)/d]
255	473.6		1.205	598.4	1057		0.468	0716	0.377		2315		0.377	2315
256	410.1		1.234	615.3	1210		0.507	2133	0.363		0512		0.363	0512
257	318.6		1.441	676.2	1214		0.518	1146	0.410		2014		0.410	2014
258	288.5		1.297	706.0	1202		0.546	2155	0.407		0346		0.407	0346
259	41.3		0.415	795.0	1358		0.573	2400	0.500		0329		0.500	0329
260	169.7		1.230	746.0	1255		0.590	1317	0.425		0648		0.425	0648
261	142.1		1.104	796.0	1439		0.600	2056	0.511		0201		0.511	0201
262	92.2		0.925	795.0	1335		0.609	1342	0.432		2302		0.432	2302
263	168.2		1.372	637.1	1217		0.481	0006	0.334		1844		0.334	1844
264	295.5		1.596	577.7	1216		0.481	2352	0.319		0301		0.319	0301
265	114.8		1.134	707.0	0953		0.508	1858	0.452		0921		0.452	0921
266	53.7		0.190	639.2	1144		0.481	1157	0.315		2400		0.315	2400
267	232.9		1.338	501.9	1021		0.420	1457	0.296		0349		0.296	0349

Table 4.--Summary of 1985 radiation data at the land station--Continued

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY SHORT-WAVE		DAILY LONG-WAVE		DAILY TOTAL		DAILY MAXIMUM		DAILY SHORT-WAVE		DAILY LONG-WAVE		DAILY TOTAL	
	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/min]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	LONG-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/d]	LONG-WAVE RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	LONG-WAVE RADIATION [(col/cm ²)/d]
268	373.2	1.033	1124	504.8	0.420	0.733	0.306	0.007										
269	424.1	1.016	1224	518.5	0.412	0.734	0.325	0.043										
270	164.8	1.342	1217	605.2	0.479	1103	0.347	0.139										
271	105.7	0.515	0847	625.7	0.446	2341	0.363	0.334										
272	109.1	0.401	1255	634.9	0.455	0517	0.404	0.318										
273	119.2	0.420	1306	632.5	0.453	0934	0.394	2203										
274	266.2	1.352	1155	543.1	0.449	1156	0.317	2400										
275	242.0	0.967	1130	553.7	0.495	1537	0.302	0609										
276	194.3	0.926	1003	611.7	0.500	1454	0.351	0049										
277	205.0	1.228	1155	610.9	0.466	1409	0.338	2315										
278	100.6	0.684	1128	611.5	0.453	1154	0.341	2006										
279	290.9	1.062	1338	548.1	0.474	1338	0.318	0128										
280	53.8	0.290	1306	631.7	0.481	2400	0.371	0015										
281	98.1	0.719	1210	636.7	0.502	0616	0.378	2231										
282	238.4	1.328	1237	551.0	0.406	1702	0.283	2355										

JULIAN DAY	DAILY TOTAL		DAILY MAXIMUM		DAILY SHORT-WAVE		DAILY LONG-WAVE		DAILY TOTAL		DAILY MAXIMUM		DAILY SHORT-WAVE		DAILY LONG-WAVE		DAILY TOTAL	
	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	LONG-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	SOLAR RADIATION [(col/cm ²)/min]	SHORT-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]	LONG-WAVE RADIATION [(col/cm ²)/d]	ATMOSPHERIC RADIATION [(col/cm ²)/min]
283	362.5	0.963	1247	472.7	0.376	0744	0.280	0112										
284	290.7	0.850	1135	558.3	0.474	2256	0.321	0440										
285	78.4	1.237	1205	663.0	0.492	1205	0.348	2145										
286	219.9	0.933	1258	571.2	0.455	0508	0.329	1953										
287	322.3	0.840	1206	552.4	0.448	1847	0.304	2400										
288	277.1	0.971	1101	480.2	0.404	0122	0.288	2035										
289	220.2	0.886	1048	514.2	0.423	1420	0.283	0101										
290	219.5	1.048	1047	557.7	0.517	1129	0.317	2139										
291	305.8	0.801	1159	550.0	0.413	1247	0.328	2105										
292	311.3	0.810	1154	516.0	0.417	0753	0.322	2400										
293	293.0	0.779	1158	525.7	0.404	1309	0.317	0406										
294	237.2	0.963	1101	614.5	0.497	2306	0.351	0126										
295	45.0	0.208	1150	736.0	0.540	2341	0.462	0612										
296	253.0	0.840	1203	604.8	0.540	0130	0.358	0818										