CLIMATIC DATA FOR MIRROR LAKE, WEST THORNTON, NEW HAMPSHIRE 1984

By

A. M. Sturrock, D. C. Buso, J. L. Scarborough, T. C. Winter

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DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information
write to:

Thomas C. Winter
U.S. Geological Survey
Box 25046, MS 413
Denver Federal Center
Lakewood, CO 80225

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TABLES

METRIC CONVERSION FACTORS

Multiply	*By*	*To obtain*
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 degrees Celsius (°C) to degrees Fahrenheit (°F) use the following formula: $(°C \times 9/5)+32=°F$.

CLIMATIC DATA FOR MIRROR LAKE, WEST THORNTON, NEW HAMPSHIRE, 1984

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ABSTRACT

Research on the hydrology of Mirror Lake, West Thornton, New Hampshire, includes study of evaporation. Presented here are those climatic data needed for energy-budget and mass-transfer evaporation studies, including: water-surface temperature, dry-bulb and wet-bulb air temperatures, vapor pressure at and above the water surface, wind speed, and short- and long-wave radiation. Data are collected at raft and land stations.

INTRODUCTION

Climatic data are being collected at Mirror Lake, West Thornton, New Hampshire, as part of a continuing study of the hydrology of the lake by the U.S. Geological Survey, Cornell University, and the Institute of Ecosystem Studies, The New York Botanical Garden. Mirror 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 Mirror Lake is given by Winter (1984).

DATA COLLECTION AND PRESENTATION

Data presented here are being collected principally for studies of evaporation; therefore, data are collected only during the time the lake is ice-free. Data for 1984 were collected from April 23 (Julian day 114) to November 30 (Julian day 335). Within each table of data, the data are grouped according to energy-budget periods; the periods are defined by the dates thermal surveys were made in the lake. For example, the first energy-budget period for 1984 is Julian days 114 through 127.

Climatic instruments are located on a raft near the middle of the lake and at a land station. Instruments on the raft include anemometers at 1, 2, and 3 meters above the water surface, a thermistor psychrometer with dry- and wet-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 digital data logger located on the raft. The data logger scans the sensors every minute and calculates hourly and daily averages and totals. In addition, maximum and

minimum values and the times they occur are saved and recorded at midnight of each day for selected sensors. Additional analog instruments for measuring water-surface temperature and wind speed also are located on the raft. These are used to backup the primary instruments for quality control and for filling in missing data.

The land station consists of short- and long-wave radiometers, located at the U.S. Forest Service Hubbard Brook Station, about 0.4 kilometer west of Mirror Lake. These data also are recorded by a digital-data logger that operates similarly to the one on the raft. A backup hygrothermograph that records air temperature and relative humidity is located on the shore of Mirror Lake. Calibration checks with laboratory-quality thermometers and motorized psychrometers are made weekly. Vapor pressure of water (e_o) is calculated using water-temperature data and assumes the air is completely saturated at the air-water interface.

Data presented here are daily summaries. For periods during which 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 to T. C. Winter.

ACKNOWLEDGMENTS

We are grateful to Robert Pierce and Wayne Martin of the U.S. Forest Service for allowing us to place the land station at Hubbard Brook Experimental Forest Headquarters. We also thank Polly Ann Frost for permission to place the hygrothermograph on her property. Partial funding for this study is from a National Science Foundation grant to G. E. Likens (Institute of Ecosystem Studies, The New York Botanical Garden) and F. H. Bormann (Yale University).

REFERENCE

Winter, T. C., 1984, Geohydrologic setting of Mirror Lake, West Thornton, New Hampshire: U.S. Geological Survey Water-Resources Investigations Report 84-4266, 61 p.

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation.
[C, degrees Celsius; mb, millibars; mi/h; miles per hour; (cal/cm^2)/day, calories per square centimeter per day ; blank, no data]

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
114	7.807	9.530	4.430	10.583	5.037	-0.187
115	8.220	7.656	6.073	10.885	8.355	.134
116	7.835	7.115	5.336	10.603	7.760	.153
117	8.110	8.780	4.594	10.804	5.733	-.080
118	9.470	9.240	5.372	11.845	6.412	.026
119	11.270	11.220	6.169	13.358	6.141	.004
120	12.650	13.470	8.510	14.631	7.835	-.073
121	13.320	15.880	11.000	15.287	9.899	-.286
122	12.400	9.470	4.664	14.393	5.368	.196
123	11.070	5.278	1.774	13.182	4.653	.409
124	10.910	7.311	3.573	13.043	5.442	.285
125	10.980	7.574	6.442	13.104	8.894	.488
126	10.260	5.668	3.828	12.489	6.827	.489
127	10.300	9.490	5.509	12.523	6.423	.080

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
114	2.538	3.067	3.015	2.863	589.1	583.1
115	3.893	4.427	4.500	4.265	59.0	686.0
116	4.207	4.909	5.079	4.716	162.4	667.3
117	5.134	5.965	6.075	5.709	594.7	571.5
118	2.289	3.195	3.021	2.806	647.1	540.8
119	2.104	2.906	2.710	2.549	648.1	539.6
120	1.545	2.381	2.164	1.997	516.5	623.4
121	3.166	4.110	4.118	3.770	406.1	687.5
122	5.591	6.398	6.576	6.173	326.3	584.9
123	4.586	5.403	5.508	5.149	237.8	582.9
124	2.674	3.541	3.517	3.217	569.6	554.7
125	2.520	3.522	3.477	3.137	58.8	677.3
126	5.009	5.880	5.890	5.577	181.6	626.4
127	3.730	4.563	4.529	4.256	504.5	540.4

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
128	12.010	12.670	7.203	14.028	6.561	-.053
129	12.180	9.790	7.950	14.186	9.476	.306
130	11.880	9.580	6.475	13.908	7.620	.220
131	11.760	8.540	4.928	13.799	6.308	.259
132	12.440	11.740	7.479	14.431	7.546	.061
133	12.770	10.460	10.190	14.747	12.253	.558
134	12.960	10.510	7.748	14.932	8.723	.238

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
128	1.896	2.926	2.715	2.470	671.600	561.300
129	1.451	2.185	2.021	1.857	78.910	690.100
130	3.026	3.922	4.002	3.621	352.700	626.300
131	3.904	4.904	4.934	4.554	507.900	556.900
132	2.615	3.441	3.407	3.130	554.500	611.300
133	1.226	2.057	2.003	1.716	46.460	701.800
134	2.206	2.982	2.977	2.695	419.000	661.600

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
135.	12.620	7.235	5.467	14.603	7.848	.480
136.	12.090	6.447	3.992	14.102	6.518	.448
137.	11.800	5.764	2.986	13.835	5.751	.450
138.	11.800	7.499	3.627	13.835	5.384	.307
139.	12.320	9.510	4.188	14.318	4.752	.177
140.	12.630	9.580	6.720	14.612	7.944	.276
141.	13.770	15.400	11.830	15.742	11.503	-.232

(5)

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
135.	4.791	5.596	5.731	5.356	209.800	626.200
136.	4.053	4.805	4.854	4.555	455.600	565.200
137.	5.789	6.601	6.771	6.372	456.000	542.500
138.	2.873	4.073	4.010	3.607	511.900	539.000
139.	3.687	4.583	4.611	4.271	709.900	508.500
140.	2.283	3.001	2.897	2.708	295.700	637.600
141.	3.267	4.035	4.115	3.785	498.200	686.400

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
142.	15.010	15.920	11.900	17.057	11.270	-.095
143.	16.170	17.060	13.330	18.374	12.828	-.097
144.	17.360	18.700	16.020	19.816	16.419	-.238
145.	16.550	13.380	9.490	18.824	9.297	.201
146.	17.250	17.500	16.460	19.679	18.025	-.091
147.	18.280	17.940	17.940	20.998	20.554	.462
148.	18.520	14.240	14.240	21.317	16.229	.507
149.	17.480	9.380	9.260	19.967	11.599	.583
150.	16.470	10.280	10.280	18.728	12.506	.599
151.	15.530	11.070	11.070	17.637	13.182	.603
152.	14.660	9.930	9.930	16.676	12.216	.639
153.	14.290	13.250	12.980	16.282	14.773	.415
154.	14.180	12.920	12.740	16.166	14.599	.484
155.	15.120	12.960	10.820	17.178	11.552	.231

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
142.	3.469	4.329	4.273	4.004	435.400	667.700
143.	1.802	2.341	2.258	2.120	443.300	695.600
144.	3.526	3.968	4.086	3.852	363.700	759.200
145.	6.245	6.920	7.055	6.730	660.900	618.700
146.	2.431	3.229	3.227	2.937	578.900	686.300
147.	2.808	3.429	3.356	3.185	455.500	716.000
148.	4.272	4.855	4.925	4.675	587.100	602.700
149.	1.319	1.995	1.673	1.639	106.900	670.900
150.	2.434	2.961	2.879	2.748	60.950	710.600
151.	1.552	1.941	1.760	1.744	45.200	741.800
152.	5.364	6.042	5.199	5.523	91.400	701.900
153.	5.293	6.039	5.811	5.706	428.900	671.800
154.	5.005	5.386	5.064	5.149	186.800	691.000
155.	1.950	2.810	2.675	2.447	427.400	661.700

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
156.	15.750	15.380	11.130	17.887	10.428	.030
157.	17.180	18.000	12.590	19.592	10.996	-.057
158.	18.140	16.070	14.170	20.815	14.897	.211
159.	20.480	20.590	19.330	24.079	21.583	-.027
160.	21.760	23.290	18.910	26.048	18.925	-.129

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
156.	2.976	3.952	3.696	3.516	581.500	644.700
157.	2.920	3.755	3.625	3.413	714.700	652.800
158.	.955	1.780	1.518	1.372	259.200	713.400
159.	.989	1.752	1.591	1.402	448.700	780.500
160.	2.080	2.946	2.865	2.599	612.600	764.700

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
161.	23.060	24.780	19.120	28.190	18.360	-.105
162.	24.100	23.580	18.970	30.012	18.854	.028
163.	24.210	23.320	17.830	30.211	16.760	.040
164.	23.150	21.160	14.740	28.343	12.506	.076
165.	23.450	21.440	16.880	28.861	16.192	.096
166.	22.790	17.840	16.140	27.733	17.210	.283
167.	20.170	11.910	7.921	23.622	8.041	.319
168.	20.110	13.740	9.520	23.535	9.103	.266
169.	20.710	16.990	13.250	24.423	12.742	.192
170.	20.180	15.340	14.960	23.637	16.750	.423
171.	21.220	21.920	18.090	25.201	18.200	-.060
172.	20.620	16.720	11.360	24.288	9.898	.163
173.	20.450	16.080	11.050	24.035	9.843	.186

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
161.	3.150	4.115	4.156	3.777	616.200	762.400
162.	1.602	2.541	2.410	2.141	641.900	749.200
163.	4.811	5.622	5.687	5.358	606.700	727.000
164.	3.276	3.897	3.898	3.678	724.700	649.200
165.	3.388	3.892	3.905	3.720	578.500	712.400
166.	3.888	4.418	4.482	4.254	220.000	765.600
167.	7.051	7.802	8.020	7.613	587.700	573.900
168.	2.023	2.617	2.585	2.392	661.800	613.100
169.	2.383	3.053	3.102	2.826	610.400	680.100
170.	1.144	1.672	1.779	1.504	44.330	765.900
171.	3.350	3.810	3.965	3.699	554.000	766.800
172.	6.012	6.636	6.809	6.476	639.900	610.300
173.	4.846	5.455	5.552	5.275	708.000	620.600

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
174.	20.590	15.070	11.010	24.243	10.449	.241
175.	20.990	15.960	11.240	24.847	10.215	.207
176.	20.080	12.080	10.530	23.491	11.694	.409
177.	19.930	16.540	15.320	23.274	16.591	.306
178.	19.850	15.200	13.090	23.159	13.663	.295

1

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
174.	4.236	4.787	4.902	4.632	745.000	593.900
175.	2.940	3.523	3.601	3.341	709.900	597.900
176.	3.626	4.245	4.369	4.067	109.000	711.000
177.	1.797	2.453	2.505	2.227	324.600	748.200
178.	3.382	4.108	4.203	3.880	395.100	704.900

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
179.	20.700	17.120	13.800	24.408	13.574	.199
180.	21.700	19.830	16.320	25.952	16.219	.116
181.	22.130	18.910	17.560	26.642	19.170	.260
182.	22.000	18.840	18.820	26.432	21.707	.403
183.	22.660	20.770	18.750	27.515	20.280	.157

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
179.	1.640	2.482	2.493	2.165	606.200	706.000
180.	2.487	3.074	3.139	2.884	568.800	729.200
181.	1.817	2.395	2.385	2.181	421.900	727.800
182.	.921	1.598	1.520	1.308	215.300	749.900
183.	1.951	2.582	2.556	2.344	564.400	721.700

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
184.	23.740	22.260	17.310	29.370	16.462	.069
185.	23.880	19.660	17.010	29.618	17.620	.212
186.	23.780	20.190	18.320	29.441	19.806	.225
187.	23.300	19.150	18.500	28.601	20.857	.323
188.	23.430	20.780	18.950	28.827	20.679	.196
189.	23.050	18.920	17.990	28.173	20.000	.305
190.	22.220	15.130	11.760	26.789	11.572	.281

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
184.	2.250	3.002	3.030	2.735	696.200	698.900
185.	2.209	2.806	2.806	2.591	454.200	730.700
186.	1.720	2.333	2.303	2.099	371.500	786.200
187.	1.310	1.859	1.804	1.638	102.600	795.000
188.	2.799	3.280	3.358	3.136	441.700	796.000
189.	2.318	2.812	2.854	2.650	100.000	794.000
190.	5.181	5.762	5.937	5.617	521.500	639.100

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
191.	21.680	14.630	12.740	25.921	13.468	.341
192.	22.520	18.460	15.930	27.282	16.414	.225
193.	22.060	18.470	17.490	26.529	19.328	.300
194.	22.020	21.660	18.460	26.464	19.106	.029
195.	22.800 (2)	20.070 (3)	17.170 (1)	27.749	17.651	.163
196.	23.760	21.520	18.720	29.405	19.720	.139

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
191.	1.946	2.557	2.570	2.338	305.500	695.800
192.	1.816	2.446	2.425	2.208	541.200	708.300
193.	1.681	2.152	2.105	1.967	163.300	765.700
194.		6.000			620.800	728.300
195.		2.440 (4)			561.000	685.200
196.		3.110			603.900	718.800

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

JULIAN DAY	DAILY AVERAGES AT RAFT STATION					
	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
197.	2 24.140	3 23.410	1 21.310	30.084	23.938	.072
198.	24.340	20.610	19.510	30.447	21.942	.264
199.	24.410	19.200	16.000	30.575	16.050	.216
200.	23.480	16.440	15.770	28.914	17.465	.371
201.	23.290	17.660	14.990	28.584	15.264	.255
202.	23.640	18.690	15.280	29.194	15.093	.212
203.	23.890	19.400	16.760	29.636	17.322	.220

JULIAN DAY	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
197.		4 1.130			546.800	747.300
198.		3.250				
199.	2.568	3.111	3.127	2.923		
200.	1.764	2.230	2.204	2.054		
201.	2.442	2.927	2.934	2.758		
202.	2.502	2.967	2.940	2.795		
203.	1.780	2.201	2.143	2.032	424.100	702.000

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
204.	24.440	20.830	17.510	30.630	17.797	.170
205.	24.540	21.880	18.570	30.814	19.179	.138
206.	24.220	22.880	16.440	30.229	14.414	.051
207.	23.440	17.020	12.050	28.844	10.780	.214
208.	23.200	16.520	13.650	28.429	13.719	.274
209.	22.530	14.620	13.860	27.299	15.331	.398
210.	22.210	16.520	14.170	26.773	14.599	.282

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
204.	2.136	2.550	2.527	2.397	597.100	709.000
205.	2.382	2.843	2.833	2.677	430.100	754.000
206.	6.478	7.067	7.284	6.935	580.300	709.000
207.	5.708	6.290	6.437	6.137	631.900	602.100
208.	1.760	2.368	2.373	2.146	421.300	661.400
209.	1.673	2.337	2.343	2.092	84.800	716.000
210.	2.777	3.371	3.426	3.177	437.000	689.200

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
211.	22.790	17.930	14.270	27.733	13.836	.211
212.	23.350	18.800	15.340	28.688	15.127	.202
213.	23.820	20.940	17.050	29.512	16.845	.137
214.	23.470	19.710	17.320	28.896	18.177	.211
215.	23.790	21.650	18.370	29.458	18.934	.123
216.	24.100	21.000	17.850	30.012	18.342	.160
217.	24.270	21.600	17.870	30.320	17.982	.130
218.	24.900	21.990	18.490	31.483	18.946	.140

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
211.	2.107	2.667	2.643	2.458	627.400	651.000
212.	1.531	2.122	2.055	1.883	500.500	686.200
213.	1.799	2.472	2.413	2.206	606.500	714.000
214.	1.965	2.620	2.572	2.366	218.500	761.000
215.	2.349	3.034	3.011	2.779	445.600	737.000
216.	1.961	2.623	2.559	2.361	471.300	714.000
217.	2.623	3.175	3.167	2.977	551.400	702.000
218.	2.077	2.689	2.659	2.458	539.600	716.000

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
219.	25.250	22.560	19.290	32.146	20.188	.136
220.	25.100	21.940	20.170	31.861	22.442	.202
221.	25.730	23.080	19.880	33.076	21.068	.133
222.	25.580	21.880	19.400	32.783	20.868	.187
223.	25.340	21.450	19.450	32.319	21.258	.212
224.	25.110	21.380	20.430	31.880	23.371	.264
225.	25.510	22.090	19.840	32.647	21.644	.187
226.	25.780	23.030	20.860	33.174	23.201	.166

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
219.	1.812	2.395	2.371	2.175	493.200	739.000
220.	2.130	2.750	2.743	2.523	269.200	774.000
221.	1.856	2.539	2.467	2.265	558.000	755.000
222.	2.552	3.204	3.207	2.971	389.400	796.000
223.	1.840	2.588	2.560	2.301	274.300	815.000
224.	.763	1.352	1.248	1.088	111.900	824.000
225.	1.572	2.548	2.570	2.175	497.200	785.000
226.	1.145	1.645	1.589	1.441	295.300	815.000

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
227.	25.840	23.250	21.320	33.292	24.067	.169
228.	26.080	23.000	20.110	33.768	21.607	.153
229.	25.840	21.540	18.810	33.292	19.889	.193
230.	25.090	18.660	13.710	31.842	12.402	.199
231.	24.560	15.510	11.520	30.851	10.945	.274
232.	23.950	0.000	13.570	29.743	24.524	2.765
233.	23.540	16.130	13.140	29.018	13.130	.281
234.	23.120	15.200	11.610	28.292	11.291	.281

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
227.	1.943	2.527	2.498	2.306	344.600	821.000
228.	2.946	3.350	3.369	3.216	488.900	771.000
229.	2.595	3.086	3.060	2.905	300.800	732.000
230.	6.115	6.504	6.708	6.438	607.700	630.100
231.	2.925	3.245	3.308	3.155	583.300	578.500
232.	1.779	2.235	2.251	2.076	235.100	709.000
233.	5.360	5.797	5.956	5.699	554.700	718.200
234.	3.063	3.455	3.521	3.340	594.000	598.100

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
235.	23.440	18.770	14.800	28.844	14.195	.192
236.	23.120	17.840	16.900	28.292	18.622	.329
237.	22.800	16.970	14.860	27.749	15.494	.287
238.	22.640	15.940	12.430	27.481	12.100	.262
239.	22.710	16.270	13.060	27.598	12.905	.264
240.	22.780	17.390	14.220	27.716	14.108	.239
241.	23.060	19.030	15.720	28.190	15.656	.194
242.	23.160	20.540	18.840	28.361	20.615	.204
243.	23.170	21.870	20.030	28.378	22.191	.127
244.	22.960	19.500	16.690	28.020	17.125	.191
245.	22.400	15.590	12.310	27.084	12.139	.275

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
235.	2.386	2.908	2.925	2.728	574.100	667.100
236.	1.762	2.316	2.336	2.120	162.300	741.000
237.	3.442	4.016	4.119	3.847	395.700	693.200
238.	3.203	3.823	3.901	3.628	527.700	614.600
239.	2.017	2.522	2.550	2.350	502.400	622.800
240.	2.003	2.596	2.622	2.389	519.600	636.300
241.	1.976	2.541	2.602	2.355	526.500	675.800
242.	1.139	1.661	1.624	1.454	244.700	782.500
243.	1.514	2.149	2.091	1.895	188.100	806.000
244.	2.549	3.111	3.136	2.919	272.700	710.100
245.	4.559	4.970	5.101	4.871	383.800	633.300

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
246.	21.710	14.500	10.610	25.968	10.217	.276
247.	21.110	12.220	10.970	25.031	12.270	.420
248.	20.680	13.880	12.480	24.378	13.543	.378
249.	20.360	12.360	9.430	23.901	9.882	.344
250.	19.800	9.280	6.652	23.087	8.051	.422
251.	19.420	9.950	7.803	22.549	9.168	.426
252.	19.400	12.760	12.750	22.521	14.721	.513
253.	19.710	15.090	15.070	22.959	17.110	.476
254.	19.710	16.280	14.170	22.959	14.758	.252

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
246.	4.976	5.540	5.665	5.385	413.600	596.500
247.	1.601	2.010	2.032	1.870	158.400	698.100
248.	.949	1.867	1.713	1.448	116.700	708.300
249.	3.551	4.120	4.124	3.922	383.300	593.700
250.	4.464	4.914	5.033	4.797	445.700	532.900
251.	3.199	3.647	3.749	3.523	417.800	570.100
252.	2.555	3.062	3.158	2.913	496.700	580.900
253.	2.155	2.746	2.776	2.542	505.100	601.600
254.	2.114	2.840	2.907	2.594	352.600	698.700

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
255.	19.830	17.900	16.360	23.130	17.575	.209
256.	19.220	14.230	11.430	22.270	11.651	.283
257.	18.910	12.410	11.410	21.843	12.822	.434
258.	19.030	16.700	14.400	22.007	14.874	.197
259.	18.570	10.000	9.200	21.384	11.104	.502
260.	17.960	8.650	6.350	20.580	8.066	.448
261.	17.690	9.370	7.970	20.233	9.780	.480
262.	17.820	10.680	7.906	20.400	8.829	.372

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	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
255.	2.509	3.119	3.196	2.924	132.800	753.200
256.	5.118	5.724	5.879	5.564	405.800	600.900
257.	1.537	2.135	2.067	1.893	183.300	691.800
258.	3.446	4.034	4.074	3.840	306.600	693.300
259.	2.948	3.336	3.391	3.219	73.790	671.800
260.	4.093	4.473	4.570	4.374	314.900	575.500
261.	3.889	4.356	4.440	4.221	470.700	545.200
262.	2.175	2.752	2.819	2.565	466.100	550.200

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
263.	17.690	12.070	9.970	20.233	10.864	.361
264.	17.830	15.130	12.310	20.413	12.444	.204
265.	17.550	11.380	7.871	20.055	8.321	.317
266.	17.530	9.970	7.214	20.030	8.351	.390
267.	18.230	15.950	13.440	20.933	13.745	.191

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
263.	2.208	2.819	2.857	2.610	351.900	612.000
264.	3.683	4.340	4.460	4.146	374.800	663.800
265.	5.600	6.160	6.372	6.035	452.800	542.100
266.	1.822	2.715	2.741	2.385	428.700	554.500
267.	1.639	2.248	2.212	2.012	367.000	686.100

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
268.	19.060	19.580	15.690	22.049	15.236	-.046
269.	19.130	17.860	16.060	22.145	17.050	.150
270.	18.580	13.150	10.300	21.397	10.643	.304
271.	17.050	6.670	2.976	19.431	5.146	.438
272.	16.820	8.220	5.261	19.150	6.939	.424
273.	16.510	7.980	6.360	18.776	8.519	.501
274.	16.310	8.150	5.950	18.538	7.871	.461
275.	15.850	8.270	7.153	18.002	9.386	.530
276.	15.320	5.882	4.592	17.400	7.630	.582
277.	14.680	7.339	6.284	16.698	8.840	.563
278.	14.340	7.006	3.957	16.335	6.109	.432
279.	13.860	4.035	.709	15.834	4.260	.512
280.	13.150	3.778	-.262	15.118	3.360	.480
281.	13.160	6.024	2.273	15.128	4.742	.414

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
268.	2.994	3.957	3.966	3.608	409.000	694.300
269.	1.298	1.927	1.873	1.673	254.100	741.900
270.	5.304	5.947	6.122	5.780	228.200	632.700
271.	4.046	4.660	4.711	4.462	399.400	513.200
272.	2.212	3.067	3.030	2.739	395.400	546.500
273.	1.503	2.172	2.042	1.882	177.200	574.500
274.	1.622	2.331	2.177	2.019	294.600	559.000
275.	2.122	2.715	2.634	2.476	102.100	641.500
276.	4.727	5.136	5.271	5.039	35.080	626.300
277.	2.845	3.655	3.681	3.370	130.600	604.900
278.	6.025	6.725	6.969	6.561	406.000	529.300
279.	7.506	8.060	8.310	7.951	389.400	463.200
280.	6.881	7.307	7.559	7.244	394.300	418.400
281.	1.427	2.018	2.050	1.807	352.500	499.500

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
282.	12.960	9.690	7.333	14.932	8.696	.316
283.	13.140	13.050	11.180	15.108	12.044	.018
284.	12.940	11.280	9.280	14.912	10.376	.221
285.	13.140	13.370	10.240	15.108	10.408	-.029
286.	13.880	16.420	11.770	15.855	10.735	-.299
287.	13.740	10.700	9.100	15.711	10.499	.351
288.	13.580	8.980	6.332	15.548	7.825	.359

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
282.	1.187	1.740	1.751	1.535	190.200	638.900
283.	2.077	2.606	2.575	2.407	111.300	669.100
284.	1.959	2.506	2.480	2.301	107.900	652.000
285.	3.362	3.968	4.008	3.767	336.400	566.300
286.	2.510	3.006	3.001	2.829	341.300	583.400
287.	1.777	2.171	2.025	1.984	242.700	602.300
288.	1.908	2.457	2.350	2.225	284.000	558.500

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
289.	13.550	8.900	5.772	15.518	7.148	.335
290.	13.520	10.860	7.950	15.488	8.772	.239
291.	13.400	8.260	6.279	15.367	8.229	.434
292.	13.370	8.370	5.945	15.337	7.720	.396
293.	13.660	11.000	8.230	15.630	9.069	.244
294.	13.900	13.540	10.920	15.875	11.322	.048
295.	13.150	8.370	7.194	15.118	9.375	.502
296.	13.130	12.680	10.900	15.099	11.859	.084
297.	13.140	10.320	8.910	15.108	10.477	.367
298.	12.920	7.413	5.656	14.893	7.974	.480

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
289.	1.067	1.738	1.663	1.456	304.900	529.300
290.	1.846	2.247	2.189	2.086	316.000	557.600
291.	1.732	2.113	2.068	1.963	316.600	521.600
292.	1.818	2.312	2.284	2.125	316.100	525.200
293.	1.132	1.597	1.575	1.417	297.600	606.600
294.	2.737	3.227	3.259	3.065	223.200	615.100
295.	1.018	1.619	1.501	1.352	49.080	639.500
296.	2.687	3.133	3.053	2.951	121.000	693.100
297.	2.027	2.526	2.300	2.275	133.500	644.400
298.	1.509	2.097	1.738	1.765	177.800	549.000

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
299.	12.760	6.426	4.129	14.737	6.700	.475
300.	12.440	6.146	5.706	14.431	8.870	.682
301.	12.350	7.285	6.684	14.346	9.404	.618
302.	12.530	11.180	10.580	14.517	12.363	.378
303.	12.490	12.510	8.830	14.479	8.921	-.002
304.	12.190	4.666	2.582	14.196	5.992	.553

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
299.	1.959	2.448	2.152	2.177	230.200	553.300
300.	1.402	1.901	1.621	1.629	16.470	644.600
301.	1.449	2.064	1.855	1.770	100.600	661.200
302.	.829	1.218	1.035	1.015	115.800	679.500
303.	4.037	4.490	4.477	4.329	159.400	605.200
304.	2.147	2.419	2.295	2.284	280.900	442.400

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
305.	11.820	4.549	2.264	13.854	5.696	.537
306.	11.450	4.088	1.961	13.519	5.646	.563
307.	11.240	5.920	3.090	13.332	5.773	.424
308.	10.720	1.747	-1.500	12.879	3.360	.568
309.	10.360	3.270	1.294	12.573	5.417	.597

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
305.	3.473	3.966	3.964	3.794	153.200	483.800
306.	2.671	3.043	3.073	2.923	250.700	496.200
307.	5.009	5.399	5.506	5.300	147.700	487.400
308.	3.367	3.730	3.747	3.610	262.700	376.800
309.	2.324	2.649	2.636	2.532	258.900	447.900

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
310.	10.310	8.240	7.970	12.531	10.523	.621
311.	10.140	7.451	4.572	12.389	6.576	.279
312.	9.650	.862	-1.160	11.989	4.296	.688
313.	9.150	-.656	-2.050	11.592	4.349	.816
314.	8.890	3.060	1.677	11.390	5.991	.651
315.	8.850	7.197	7.115	11.360	10.040	.755
316.	9.110	9.300	9.090	11.561	11.407	-.744
317.	9.570	10.160	9.340	11.925	11.201	-.491
318.	8.670	1.591	.257	11.222	5.353	.727

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
310.	1.234	1.465	1.433	1.373	37.230	635.100
311.	5.345	5.751	5.955	5.678	157.100	514.300
312.	7.022	7.355	7.539	7.302	242.000	371.300
313.	2.185	2.378	2.548	2.366	237.200	362.200
314.	1.367	1.387	1.474	1.409	83.100	515.000
315.	.859	.878	.925	.887	12.510	352.400
316.	.852	.843	.865	.853	38.340	347.400
317.	2.192	2.338	2.417	2.314	70.360	310.000
318.	6.019	6.462	6.736	6.399	26.640	249.200

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
319.	7.869	-.860	1 -2.360	10.628	4.162	.813
320.	7.186	1.002	-.453	10.143	4.962	.719
321.	6.992	3.547	1.316	10.009	5.261	.437
322.	6.713	.202	-2.500	9.819	3.327	.604
323.	6.075	-1.070	1 -1.670	9.396	5.015	.983

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm)/d]
319.	10.200	10.850	11.230	10.752	104.900	134.500
320.	2.306	2.802	2.817	2.630	127.500	166.700
321.	3.428	3.734	3.821	3.657	83.300	220.000
322.	7.520	7.933	8.200	7.879	151.100	122.900
323.	2.599	2.982	3.085	2.881	32.320	178.900

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
324.	5.694	-4.530	-5.730	9.151	3.210	1.037
325.	5.054	-3.790	-5.290	8.753	3.151	.951
326.	4.431	-2.230	1-3.730	8.380	3.664	.851
327.	4.048	-2.630	-3.630	8.158	4.024	.973
328.	3.744	-1.240	-2.340	7.985	4.429	.845
329.	3.757	1.836	-.067	7.992	4.838	.367
330.	3.293	-.633	-1.490	7.735	4.920	.840
331.	3.429	2.981	.671	7.809	4.905	.093

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm)/d]
324.	7.480	7.887	8.150	7.834	210.800	114.500
325.	9.010	9.430	9.720	9.382	143.500	130.000
326.	8.080	8.570	8.850	8.494	167.200	100.500
327.	3.464	3.614	3.677	3.584	207.000	49.630
328.	3.203	3.333	3.380	3.304	115.800	146.800
329.	4.474	4.656	4.758	4.628	59.310	150.700
330.	1.259	1.505	1.471	1.407	154.600	61.380
331.	2.231	2.529	2.532	2.426	183.000	72.990

Table 1. Summary of 1984 energy budget data: Raft station--(1) daily average lake-surface water temperature, (2) daily average dry- and wet-bulb air temperature, (3) daily average vapor pressure at surface water and 2 meters above water surface, (4) Bowen ratio, and (5) daily average wind speed at three levels above the lake surface; Land station--daily short- and long-wave radiation. (continued)

	DAILY AVERAGES AT RAFT STATION					
JULIAN DAY	LAKE-SURFACE WATER TEMPERATURE (c)	DRY-BULB AIR TEMPERATURE (c)	WET-BULB AIR TEMPERATURE (c)	WATER VAPOR PRESSURE (mb)	ATMOSPHERE VAPOR PRESSURE (mb)	BOWEN RATIO
332.	3.420	1.586	-.037	7.805	5.034	.399
333.	3.469	4.736	3.789	7.832	7.390	-1.730
334.	4.211	9.450	8.400	8.252	10.327	1.521
335.	3.430	2.651	2.023	7.810	6.657	.407

	DAILY AVERAGES AT RAFT STATION				DAILY TOTALS AT LAND STATION	
JULIAN DAY	WIND SPEED AT 1 METER (mi/h)	WIND SPEED AT 2 METERS (mi/h)	WIND SPEED AT 3 METERS (mi/h)	WIND SPEED AVERAGE (mi/h)	SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	LONG-WAVE ATMOS. RADIATION [(cal/cm^2)/d]
332.	.863	1.069	.862	.926	172.600	26.310
333.	1.112	1.369	1.335	1.267	109.700	146.800
334.	3.523	3.834	3.957	3.767	47.630	178.700
335.	3.906	2.823	4.787	3.751	162.800	43.660

Footnotes to table 1

[1]Estimated wet-bulb temperatures using psychrometric tables and air temperature and relative humidity data taken from hygrothermograph.

[2]Calculated by regression equation 1 (see below), which was determined by using data from the Marshalltown water temperature recorded and the thermistor connected to the CR-21.

[3]Calculated by regression equation 2 (see below), which was determined by using air temperature data from the hygrothermograph and the dry-bulb sensor connected to the CR-21.

[4]Estimated using data from Belfort totalizing anemometer, also positioned at 2 meters above the water surface on the raft.

Regression	Data points	r^2value
1. $Y = 1.937 + 0.964\times$	20	0.89
2. $Y = 1.002 + 1.076\times$	20	0.99

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature.
[C, degrees Celsius, h, hour; blank, no data]

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
114	7.81	9.53	19.55	1522	-1.29	521	4.43
115	8.22	7.66	10.31	1509	5.66	605	6.07
116	7.84	7.11	8.82	1503	5.22	2400	5.34
117	8.11	8.78	15.86	1642	3.19	2359	4.59
118	9.47	9.24	18.23	1631	-.68	422	5.37
119	11.27	11.22	20.78	1505	.82	524	6.17
120	12.65	13.47	24.65	1654	3.28	326	8.51
121	13.32	15.88	25.62	1318	6.10	459	11.00
122	12.40	9.47	12.60	4	6.18	505	4.66
123	11.07	5.28	7.59	1605	-.50	2357	1.77
124	10.91	7.31	15.06	1603	-2.78	455	3.57
125	10.98	7.57	9.79	928	5.48	2353	6.44
126	10.26	5.67	7.68	1830	3.02	2400	3.83
127	10.30	9.49	18.23	1707	-.06	520	5.51

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
128	12.01	12.67	22.28	1432	1.43	504	7.20
129	12.18	9.79	14.10	1058	8.12	429	7.95
130	11.88	9.58	13.04	1145	3.46	2400	6.47
131	11.76	8.54	15.42	1738	2.49	145	4.93
132	12.44	11.74	20.25	1617	.03	454	7.48
133	12.77	10.46	13.57	1626	6.45	2350	10.19
134	12.96	10.51	16.82	1415	4.87	451	7.75

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
135	12.62	7.24	8.73	1803	5.22	2358	5.47
136	12.09	6.45	10.93	1349	.64	444	3.99
137	11.80	5.76	8.29	1729	2.14	2356	2.99
138	11.80	7.50	14.27	1805	-.76	229	3.63
139	12.32	9.51	17.88	1623	-.68	424	4.19
140	12.63	9.58	18.14	1304	.56	401	6.72
141	13.77	15.40	21.66	1327	8.64	401	11.83

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
142.	15.01	15.92	22.01	1649.	9.00	2353.	11.90
143.	16.17	17.06	25.09	1210.	6.80	427.	13.33
144.	17.36	18.70	28.79	1246.	12.43	2359.	16.02
145.	16.55	13.38	18.50	1752.	7.77	2325.	9.49
146.	17.25	17.50	27.47	1607.	8.29	7.	16.46
147.	18.28	17.94	28.43	1341.	11.11	440.	17.94
148.	18.52	14.24	19.11	1642.	7.24	2357.	14.24
149.	17.48	9.38	12.34	1600.	5.48	157.	9.26
150.	16.47	10.28	12.43	1354.	8.64	2341.	10.28
151.	15.53	11.07	14.71	1711.	8.03	400.	11.07
152.	14.66	9.93	11.81	1311.	8.38	419.	9.93
153.	14.29	13.25	17.18	1336.	9.88	306.	12.98
154.	14.18	12.92	15.59	1140.	7.24	2357.	12.74
155.	15.12	12.96	21.49	1204.	4.87	503.	10.82

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
156.	15.75	15.38	23.25	1601.	7.15	345.	11.13
157.	17.18	18.00	26.76	1433.	7.86	417.	12.59
158.	18.14	16.07	21.31	1001.	10.75	441.	14.17
159.	20.48	20.59	29.58	1458.	15.59	103.	19.33
160.	21.76	23.29	31.95	1426.	15.94	506.	18.91

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
161.	23.06	24.78	31.25	1720.	16.65	400.	19.12
162.	24.10	23.58	31.95	1407.	15.42	413.	18.97
163.	24.21	23.32	30.55	1240.	16.56	431.	17.83
164.	23.15	21.16	27.82	1426.	14.27	454.	14.74
165.	23.45	21.44	30.46	1228.	11.90	358.	16.88
166.	22.79	17.84	25.36	1457.	12.87	2355.	16.14
167.	20.17	11.91	16.21	1746.	5.39	2356.	7.92
168.	20.11	13.74	22.01	1547.	3.63	353.	9.52
169.	20.71	16.99	23.77	1624.	10.58	435.	13.25
170.	20.18	15.34	18.32	2328.	11.63	357.	14.96
171.	21.22	21.92	28.26	1315.	17.35	152.	18.09
172.	20.62	16.72	21.22	1530.	9.52	2400.	11.36
173.	20.45	16.08	22.81	1614.	7.15	340.	11.05

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
174.	20.59	15.07	21.93	1540.	7.68	430.	
175.	20.99	15.96	25.53	1549.	5.39	348.	
176.	20.08	12.08	14.19	1023.	9.52	145.	
177.	19.93	16.54	23.16	1447.	12.69	2400.	15.32
178.	19.85	15.20	19.02	921.	10.58	315.	13.09

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
179.	20.70	17.12	24.65	1636.	9.35	521.	13.80
180.	21.70	19.83	26.24	1456.	14.71	2337.	16.32
181.	22.13	18.91	25.71	1245.	13.04	432.	17.56
182.	22.00	18.84	23.95	1340.	15.42	439.	18.82
183.	22.66	20.77	28.43	1059.	14.27	419.	18.75

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
184.	23.74	22.26	29.58	1454.	14.36	428.	17.31
185.	23.88	19.66	27.82	1035.	15.50	334.	17.01
186.	23.78	20.19	26.85	1408.	14.27	506.	18.32
187.	23.30	19.15	22.01	1211.	17.35	2349.	18.50
188.	23.43	20.78	24.48	1301.	17.18	405.	18.95
189.	23.05	18.92	20.78	46.	15.59	2400.	17.99
190.	22.22	15.13	18.32	1639.	9.61	2320.	11.76

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
191.	21.68	14.63	21.57	1146.	7.94	343.	12.74
192.	22.52	18.46	25.09	1337.	12.43	510.	15.93
193.	22.06	18.47	22.89	849.	13.22	328.	17.49
194.							
195.							
196.							

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
197.							
198.							
199.	24.41	19.20	25.97	1502.	13.83	430.	16.00
200.	23.48	16.44	22.98	1650.	13.13	308.	15.77
201.	23.29	17.66	24.21	1629.	11.55	453.	14.99
202.	23.64	18.69	25.88	1422.	11.37	535.	15.28
203.	23.89	19.40	26.76	1303.	13.04	513.	16.76

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
204.	24.44	20.83	29.14	1350.	14.27	350.	17.51
205.	24.54	21.88	27.73	1729.	15.59	452.	18.57
206.	24.22	22.88	25.97	1047.	14.98	2359.	16.44
207.	23.44	17.02	21.57	1652.	10.40	2351.	12.05
208.	23.20	16.52	23.51	1317.	8.38	435.	13.65
209.	22.53	14.62	16.91	1044.	12.95	2400.	13.86
210.	22.21	16.52	22.54	1628.	12.60	2337.	14.17

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
211.	22.79	17.93	26.68	1600.	10.67	448.	14.27
212.	23.35	18.80	27.47	1254.	11.46	436.	15.34
213.	23.82	20.94	28.00	1611.	14.54	528.	17.05
214.	23.47	19.71	25.27	1159.	15.59	452.	17.32
215.	23.79	21.65	28.61	1333.	16.65	2359.	18.37
216.	24.10	21.00	27.91	1316.	15.50	406.	17.85
217.	24.27	21.60	29.05	1427.	15.15	445.	17.87
218.	24.90	21.99	29.75	1419.	15.06	419.	18.49

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
219.	25.25	22.56	29.49	1535.	16.21	451.	19.29
220.	25.10	21.94	26.41	1137.	18.76	147.	20.17
221.	25.73	23.08	30.02	1322.	16.91	505.	19.88
222.	25.58	21.88	25.09	1548.	18.85	543.	19.40
223.	25.34	21.45	24.39	1321.	19.55	723.	19.45
224.	25.11	21.38	25.88	1007.	20.08	648.	20.43
225.	25.51	22.09	26.24	938.	18.76	558.	19.84
226.	25.78	23.03	29.31	1116.	19.55	505.	20.86

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
227.	25.84	23.25	27.12	1416.	20.69	508.	21.32
228.	26.08	23.00	28.08	1436.	17.79	2351.	20.11
229.	25.84	21.54	27.29	1405.	15.94	511.	18.81
230.	25.09	18.66	21.84	1634.	14.80	2400.	13.71
231.	24.56	15.51	22.98	1544.	8.20	521.	11.52
232.	23.95						13.57
233.	23.54	16.13	19.46	1114.	9.08	2357.	13.14
234.	23.12	15.20	23.42	1633.	6.27	516.	11.61

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
235.	23.44	18.77	26.76	1457.	11.02	516.	14.80
236.	23.12	17.84	24.21	1432.	14.71	2350.	16.90
237.	22.80	16.97	21.93	1353.	12.60	2400.	14.86
238.	22.64	15.94	22.28	1502.	10.05	528.	12.43
239.	22.71	16.27	24.21	1538.	8.03	503.	13.06
240.	22.78	17.39	26.41	1545.	9.88	457.	14.22
241.	23.06	19.03	27.12	1439.	10.58	546.	15.72
242.	23.16	20.54	27.29	1358.	15.24	530.	18.84
243.	23.17	21.87	27.91	1337.	18.67	530.	20.03
244.	22.96	19.50	25.71	1235.	13.22	2348.	16.69
245.	22.40	15.59	20.61	1153.	10.31	539.	12.31

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
246.	21.71	14.50	19.64	1513.	8.73	458.	10.61
247.	21.11	12.22	16.03	1413.	9.08	400.	10.97
248.	20.68	13.88	17.35	1336.	11.55	341.	12.48
249.	20.36	12.36	17.97	1154.	6.80	528.	9.43
250.	19.80	9.28	14.62	1446.	3.19	531.	6.65
251.	19.42	9.95	18.50	1420.	1.17	526.	7.80
252.	19.40	12.76	22.19	1555.	4.07	536.	12.75
253.	19.71	15.09	24.48	1444.	6.89	603.	15.07
254.	19.71	16.28	23.69	1347.	7.51	608.	14.17

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
255.	19.83	17.90	22.81	1116.	14.36	2125.	16.36
256.	19.22	14.23	17.79	1355.	8.38	2356.	
257.	18.91	12.41	17.35	1038.	7.42	240.	
258.	19.03	16.70	21.75	1419.	12.78	2341.	
259.	18.57	10.00	13.75	13.	7.33	2159.	
260.	17.96	8.65	13.31	1455.	3.99	630.	
261.	17.69	9.37	17.97	1609.	3.72	554.	
262.	17.82	10.68	20.69	1519.	2.32	551.	7.91

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
263.	17.69	12.07	21.31	1424.	3.72	553.	9.97
264.	17.83	15.13	26.06	1517.	7.59	324.	12.31
265.	17.55	11.38	15.42	1519.	4.34	2358.	7.87
266.	17.53	9.97	20.17	1551.	1.08	604.	7.21
267.	18.23	15.95	26.41	1505.	5.31	510.	13.44

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
268.	19.06	19.58	25.44	1547.	13.83	2400.	15.69
269.	19.13	17.86	24.65	1548.	12.78	515.	16.06
270.	18.58	13.15	21.49	724.	5.74	2359.	10.30
271.	17.05	6.67	12.07	1526.	3.02	604.	2.98
272.	16.82	8.22	14.89	1630.	2.58	530.	5.26
273.	16.51	7.98	13.92	1640.	3.19	2341.	6.36
274.	16.31	8.15	16.82	1318.	.91	618.	5.95
275.	15.85	8.27	12.60	1339.	4.87	115.	7.15
276.	15.32	5.88	8.29	40.	4.43	2241.	4.59
277.	14.68	7.34	10.49	2400.	2.76	619.	6.28
278.	14.34	7.01	11.46	1543.	2.40	2340.	3.96
279.	13.86	4.03	7.59	311.	-.15	1952.	.71
280.	13.15	3.78	9.00	1558.	-1.20	2352.	-.26
281.	13.16	6.02	18.41	1502.	-3.22	524.	2.27

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
282.	12.96	9.69	17.79	1338.	2.32	244.	7.33
283.	13.14	13.05	17.88	1351.	6.89	2353.	11.18
284.	12.94	11.28	18.14	1505.	6.27	59.	9.28
285.	13.14	13.37	21.05	1256.	5.04	616.	10.24
286.	13.88	16.42	26.32	1521.	8.03	619.	11.77
287.	13.74	10.70	17.97	1419.	5.57	2400.	9.10
288.	13.58	8.98	17.09	1559.	2.93	2346.	6.33

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
289.	13.55	8.90	21.05	1335.	-.15	534.	5.77
290.	13.52	10.86	21.40	1527.	2.76	545.	7.95
291.	13.40	8.26	17.70	1544.	2.14	605.	6.28
292.	13.37	8.37	19.46	1519.	.20	601.	5.95
293.	13.66	11.00	22.28	1440.	.73	607.	8.23
294.	13.90	13.54	20.25	1447.	6.71	2400.	10.92
295.	13.15	8.37	10.84	1208.	4.95	554.	7.19
296.	13.13	12.68	21.13	1040.	8.73	338.	10.90
297.	13.14	10.32	13.22	1420.	6.54	2358.	8.91
298.	12.92	7.41	13.31	1543.	1.79	2357.	5.66

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
299.	12.76	6.43	14.54	1517.	-1.11	513.	4.13
300.	12.44	6.15	7.42	1423.	4.87	2330.	5.71
301.	12.35	7.28	9.61	1420.	4.78	346.	6.68
302.	12.53	11.18	17.62	1502.	8.03	244.	10.58
303.	12.49	12.51	16.74	915.	3.02	2354.	8.83
304.	12.19	4.67	13.13	1531.	-1.64	616.	2.58
305.	11.82	4.55	11.37	1316.	-1.55	2358.	2.26
306.	11.45	4.09	9.79	1502.	-4.19	640.	1.96
307.	11.24	5.92	10.84	716.	.56	2359.	3.09
308.	10.72	1.75	9.00	1532.	-3.31	2343.	-1.50
309.	10.36	3.27	10.40	1453.	-5.68	614.	1.29
310.	10.31	8.24	11.99	1823.	6.27	658.	7.97
311.	10.14	7.45	10.40	119.	4.16	2345.	4.57
312.	9.65	.86	4.78	39.	-2.69	2400.	-1.16
313.	9.15	-.66	5.83	1507.	-6.74	642.	-2.05
314.	8.89	3.06	8.20	1420.	-.76	4.	1.68
315.	8.85	7.20	9.17	1453.	3.46	1.	7.11
316.	9.11	9.30	10.93	2233.	7.24	632.	9.09
317.	9.57	10.16	15.68	1332.	5.66	2340.	9.34
318.	8.67	1.59	6.01	5.	-1.37	2301.	.26

Table 2. Summary of 1984 data: Raft station temperature--(1) daily average lake surface water temperature, (2) daily average dry-bulb air temperature, (3) daily maximum and minimum dry-bulb air temperature and the time they occurred, and (4) daily average wet-bulb air temperature. (continued)

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
319.	7.87	-.86	1.35	1506.	-4.01	831.	
320.	7.19	1.00	6.36	1226.	-4.19	646.	-.45
321.	6.99	3.55	9.44	1042.	-.32	413.	1.32
322.	6.71	.20	3.81	6.	-3.22	2357.	
323.	6.07	-1.07	1.43	2319.	-4.28	627.	

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
324.	5.69	-4.53	.56	8.	-6.74	749.	
325.	5.05	-3.79	-2.08	1416.	-5.33	102.	
326.	4.43	-2.23	.12	1435.	-4.28	337.	
327.	4.05	-2.63	1.17	1332.	-7.09	657.	
328.	3.74	-1.24	3.28	1659.	-7.09	557.	
329.	3.76	1.84	3.81	1004.	-2.08	2356.	-.07
330.	3.29	-.63	9.35	1350.	-4.89	638.	-1.49
331.	3.43	2.98	17.18	1317.	-3.84	601.	.67

JULIAN DAY	DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (c)	DAILY AVERAGE DRY-BULB AIR TEMPERATURE (c)	MAXIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h)	MINIMUM DRY-BULB AIR TEMPERATURE (c)	TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h)	DAILY AVERAGE WET-BULB AIR TEMPERATURE (c)
332.	3.42	1.59	13.75	1350.	-4.36	649.	-.04
333.	3.47	4.74	11.37	1953.	-2.69	541.	3.79
334.	4.21	9.45	12.95	748.	4.07	2255.	8.40
335.	3.43	2.65	6.71	1417.	-1.37	2009.	2.02

Table 3. **Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time thev occurred.**
[m/h, miles per hour; h, hour; blank, no data]

HEIGHT OF MEASUREMENT 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	114	2.538	11.29	1257	0.571	47
	115	3.893	19.92	1704	.571	229
	116	4.207	18.37	1411	.571	56
	117	5.134	21.31	1542	.571	546
	118	2.289	17.58	1354	.571	2137
	119	2.104	12.62	1433	.600	2356
	120	1.545	8.18	1346	.571	2016
	121	3.166	19.50	1546	.571	1126
	122	5.591	23.04	1152	.571	2159
	123	4.586	19.13	1226	.600	2400
	124	2.674	14.04	1349	.571	2027
	125	2.520	26.35	913	.571	1939
	126	5.009	26.18	803	.600	2358
	127	3.730	25.07	1202	.571	2319
2	114	3.067	11.97	1333	.571	1945
	115	4.427	20.91	1242	.571	229
	116	4.909	19.05	2105	.571	56
	117	5.965	26.07	1407	.571	458
	118	3.195	18.71	1354	.571	1948
	119	2.906	13.30	1433	.571	734
	120	2.381	9.28	1523	.571	806
	121	4.110	19.53	1232	.600	2148
	122	6.398	25.64	1513	.515	515
	123	5.403	20.97	653	.600	2352
	124	3.541	15.14	1131	.571	101
	125	3.522	22.90	913	.600	2356
	126	5.880	27.59	803	.600	2343
	127	4.563	29.49	1202	.571	511
3	114	3.015	12.23	1558	.571	1945
	115	4.500	19.95	1242	.571	229
	116	5.079	25.13	2105	.571	55
	117	6.075	27.34	1407	.486	1447
	118	3.021	18.88	1354	.571	2137
	119	2.710	13.39	1433	.571	740
	120	2.164	9.40	1253	.571	2158
	121	4.118	20.60	1232	.600	2201
	122	6.576	25.81	1513	.571	2201
	123	5.508	21.08	653	.600	2400
	124	3.517	15.62	1131	.571	532
	125	3.477	22.10	913	.571	1940
	126	5.890	28.95	1240	.600	2358
	127	4.529	30.42	1202	.571	610

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	128.	1.896	12.650	1129.	.571	2330.
	129.	1.451	14.010	1059.	.600	2400.
	130.	3.026	17.520	1200.	.571	1818.
	131.	3.904	22.980	1451.	.571	2210.
	132.	2.615	18.620	1305.	.571	2141.
	133.	1.226	18.280	1718.	.571	1922.
	134.	2.206	13.640	1334.	.571	2210.
2	128.	2.926	15.880	1524.	.571	2330.
	129.	2.185	14.600	1111.	.600	2349.
	130.	3.922	18.030	1239.	.600	2328.
	131.	4.904	24.340	1451.	.571	2210.
	132.	3.441	17.940	1305.	.232	531.
	133.	2.057	18.990	1718.	.571	1332.
	134.	2.982	13.270	1259.	.600	2352.
3	128.	2.715	15.740	1524.	.571	2330.
	129.	2.021	15.080	1111.	.600	2356.
	130.	4.002	19.750	1239.	.571	1818.
	131.	4.934	22.980	1451.	.571	2210.
	132.	3.407	18.310	1305.	.571	2137.
	133.	2.003	18.480	1718.	.571	1311.
	134.	2.977	14.260	1345.	.571	2211.

HEIGHT OF MEASUREMENT 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	135.	4.791	21.650	1635.	.571	1951.
	136.	4.053	21.650	1752.	.571	1955.
	137.	5.789	23.120	1146.	.571	2333.
	138.	2.873	24.960	1153.	.571	536.
	139.	3.687	22.750	954.	.571	606.
	140.	2.283	15.820	1407.	.571	712.
	141.	3.267	14.830	730.	.600	2400.
2	135.	5.596	23.490	1837.	.571	2058.
	136.	4.805	25.020	1752.	.571	656.
	137.	6.601	23.600	1458.	.571	2333.
	138.	4.073	29.460	1153.	.571	1146.
	139.	4.583	23.770	954.	.600	2107.
	140.	3.001	16.410	1402.	.571	712.
	141.	4.035	17.010	730.	.571	1924.
3	135.	5.731	24.230	1837.	.600	2355.
	136.	4.854	25.330	1752.	.571	702.
	137.	6.771	27.230	1458.	.571	2333.
	138.	4.010	29.630	1153.	.571	1146.
	139.	4.611	25.130	954.	.600	2118.
	140.	2.897	17.580	1402.	.571	720.
	141.	4.115	17.150	730.	.600	2328.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	142.	3.469	15.140	957.	.571	2142.
	143.	1.802	11.350	1124.	.571	2217.
	144.	3.526	23.770	1547.	.571	647.
	145.	6.245	26.830	1210.	.600	2358.
	146.	2.431	18.590	1413.	.600	2359.
	147.	2.808	23.890	1615.	.571	722.
	148.	4.272	17.180	850.	.571	145.
	149.	1.319	5.948	1310.	.571	2004.
	150.	2.434	16.190	747.	.600	2359.
	151.	1.552	10.130	2301.	.600	2245.
	152.	5.364	19.020	2159.	.600	2336.
	153.	5.293	23.380	545.	.600	2345.
	154.	5.005	27.820	946.	.600	2359.
	155.	1.950	11.800	1507.	.600	2400.
2	142.	4.329	15.880	1418.	.571	2142.
	143.	2.341	15.680	1152.	.175	526.
	144.	3.968	26.120	1247.	.571	646.
	145.	6.920	27.250	1210.	.571	359.
	146.	3.229	18.480	1413.	.571	747.
	147.	3.429	24.820	1615.	.571	2031.
	148.	4.855	18.850	827.	.571	141.
	149.	1.995	6.656	1310.	.571	2004.
	150.	2.961	16.330	720.	.543	435.
	151.	1.941	9.340	2301.	.571	1441.
	152.	6.042	19.670	2109.	.600	1313.
	153.	6.039	25.410	545.	.600	2345.
	154.	5.386	29.860	946.	.600	2359.
	155.	2.810	12.340	1507.	.600	2257.
3	142.	4.273	15.310	1028.	.571	2143.
	143.	2.258	15.740	1152.	.571	2217.
	144.	4.086	25.130	1247.	.571	648.
	145.	7.055	29.970	1040.	.571	400.
	146.	3.227	19.950	1502.	.571	2238.
	147.	3.356	23.180	1615.	.571	2031.
	148.	4.925	19.980	1237.	.571	1855.
	149.	1.673	6.769	1310.	.571	2004.
	150.	2.879	16.730	720.	.203	1211.
	151.	1.760	8.070	2301.	.600	445.
	152.	5.199	16.270	2109.	.730	341.
	153.	5.811	19.640	545.	.571	816.
	154.	5.064	30.110	1030.	.034	934.
	155.	2.675	12.510	1507.	.571	2104.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	156.	2.976	30.680	1342.	.571	1954.
	157.	2.920	18.480	1215.	.571	927.
	158.	.955	7.950	1348.	.571	1321.
	159.	.989	7.533	1405.	.571	2151.
	160.	2.080	25.730	1432.	.571	2240.
2	156.	3.952	33.230	1342.	.571	2206.
	157.	3.755	18.370	1433.	.571	928.
	158.	1.780	7.788	1348.	.600	2400.
	159.	1.752	7.561	1405.	.571	2151.
	160.	2.946	29.490	1432.	.571	857.
3	156.	3.696	34.980	1342.	.571	2206.
	157.	3.625	18.400	1433.	.571	2148.
	158.	1.518	6.486	1348.	.317	1204.
	159.	1.591	7.731	1405.	.571	2151.
	160.	2.865	23.410	1432.	.571	857.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	161.	3.150	22.300	1235.	.571	627.
	162.	1.602	12.370	1300.	.571	1848.
	163.	4.811	34.470	1804.	.571	1245.
	164.	3.276	18.740	136.	.571	1435.
	165.	3.388	19.360	1527.	.600	2358.
	166.	3.888	26.830	2358.	.571	1227.
	167.	7.051	29.040	645.	.571	2344.
	168.	2.023	16.300	1044.	.571	412.
	169.	2.383	15.230	1547.	.430	1229.
	170.	1.144	6.344	2124.	.600	2359.
	171.	3.350	21.480	2103.	.571	1017.
	172.	6.012	20.890	1316.	.571	726.
	173.	4.846	26.260	2001.	.571	1614.
2	161.	4.115	23.630	1235.	.571	627.
	162.	2.541	13.160	1300.	.571	2309.
	163.	5.622	27.370	1804.	.571	820.
	164.	3.897	18.080	136.	.571	2103.
	165.	3.892	19.080	1527.	.600	2356.
	166.	4.418	30.250	2059.	.571	1457.
	167.	7.802	30.590	319.	.571	2343.
	168.	2.617	16.920	1044.	.571	836.
	169.	3.053	15.450	1547.	.571	2139.
	170.	1.672	6.684	2124.	.373	922.
	171.	3.810	22.640	2103.	.571	743.
	172.	6.636	21.280	1316.	.600	2346.
	173.	5.455	26.800	2001.	.600	2400.
3	161.	4.156	22.870	1235.	.571	627.
	162.	2.410	13.390	1300.	.571	2309.
	163.	5.687	29.120	1804.	.571	820.
	164.	3.898	17.910	1446.	.571	2103.
	165.	3.905	19.100	1528.	.600	2356.
	166.	4.482	32.230	2059.	.571	1457.
	167.	8.020	32.230	319.	.571	2343.
	168.	2.585	16.470	1044.	.571	1953.
	169.	3.102	15.910	1547.	.571	2139.
	170.	1.779	6.995	2009.	.571	820.
	171.	3.965	22.900	2103.	.571	743.
	172.	6.809	21.480	1316.	.600	2345.
	173.	5.552	27.230	2001.	.600	2400.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	174.	4.236	24.250	1100.	.571	226.
	175.	2.940	16.560	1102.	.571	852.
	176.	3.626	14.150	1031.	.571	644.
	177.	1.797	10.640	1820.	.600	2350.
	178.	3.382	20.600	1004.	.571	2235.
2	174.	4.787	23.520	1100.	.571	730.
	175.	3.523	17.580	1102.	.571	852.
	176.	4.245	15.960	1150.	.600	1931.
	177.	2.453	11.430	1820.	.600	2338.
	178.	4.108	21.080	1004.	.571	557.
3	174.	4.902	23.910	1123.	.571	730.
	175.	3.601	17.890	1102.	.571	852.
	176.	4.369	16.390	1150.	.600	1956.
	177.	2.505	11.180	1025.	.600	2324.
	178.	4.203	22.190	1004.	.571	554.

HEIGHT OF MEASUREMENT 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	179.	1.640	10.810	1414.	.571	2306.
	180.	2.487	18.230	1149.	.600	2400.
	181.	1.817	15.510	1439.	.571	2231.
	182.	.921	4.675	905.	.571	2213.
	183.	1.951	9.400	1645.	.571	805.
2	179.	2.482	13.920	1414.	.571	2306.
	180.	3.074	18.340	1149.	.571	1751.
	181.	2.395	17.740	1439.	.571	2229.
	182.	1.598	5.382	2111.	.571	1727.
	183.	2.582	10.470	1645.	.571	2137.
3	179.	2.493	14.830	1414.	.571	2306.
	180.	3.139	16.500	1149.	.600	2358.
	181.	2.385	18.000	1439.	.571	2229.
	182.	1.520	5.411	2111.	.571	1727.
	183.	2.556	10.560	1645.	.571	2137.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	184.	2.250	13.750	1018.	.600	2355.
	185.	2.209	23.040	1425.	.571	1650.
	186.	1.720	10.080	1334.	.571	1453.
	187.	1.310	7.788	913.	.600	2400.
	188.	2.799	13.610	1205.	.600	2328.
	189.	2.318	15.710	50.	.571	1657.
	190.	5.181	20.860	1258.	.571	2347.
2	184.	3.002	14.350	1018.	.600	2340.
	185.	2.806	24.250	1425.	.600	2400.
	186.	2.333	10.700	1334.	.571	2028.
	187.	1.859	8.970	913.	.571	1951.
	188.	3.280	13.160	1205.	.600	2318.
	189.	2.812	15.620	50.	.600	2217.
	190.	5.762	23.660	1258.	.600	2357.
3	184.	3.030	14.600	1018.	.600	2347.
	185.	2.806	24.170	1425.	.571	758.
	186.	2.303	11.720	1302.	.600	2351.
	187.	1.804	9.280	913.	.571	1951.
	188.	3.358	14.260	1213.	.600	2330.
	189.	2.854	15.570	50.	.571	1657.
	190.	5.937	24.080	1258.	.600	2358.

HEIGHT OF MEASUREMENT 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	191.	1.946	9.060	904.	.571	2226.
	192.	1.816	11.070	1131.	.317	2043.
	193.	1.681	9.850	1003.	.600	2353.
	194.					
	195.					
	196.					
2	191.	2.557	8.920	904.	.571	2226.
	192.	2.446	11.430	1131.	.571	944.
	193.	2.152	9.680	1003.	.600	2353.
	194.					
	195.					
	196.					
3	191.	2.570	9.340	904.	.571	2226.
	192.	2.425	11.920	1131.	.571	1143.
	193.	2.105	10.500	1003.	.571	834.
	194.					
	195.					
	196.					

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	197.					
	198.					
	199.	2.568	12.590	1152.	.571	452.
	200.	1.764	7.901	2101.	.571	2056.
	201.	2.442	16.470	1400.	.571	2139.
	202.	2.502	15.170	1342.	.571	1729.
	203.	1.780	10.750	1603.	.571	2320.
2	197.					
	198.					
	199.	3.111	12.570	1307.	.571	1139.
	200.	2.230	7.222	842.	.571	2056.
	201.	2.927	15.760	1359.	.571	2139.
	202.	2.967	18.080	1342.	.600	2357.
	203.	2.201	10.840	1603.	.571	326.
3	197.					
	198.					
	199.	3.127	12.710	1307.	.571	1139.
	200.	2.204	6.712	842.	.571	2056.
	201.	2.934	16.250	1359.	.571	2138.
	202.	2.940	17.070	1241.	.600	2400.
	203.	2.143	10.640	1603.	.571	2320.

HEIGHT OF MEASUREMENT 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	204.	2.136	8.150	1920.	.571	1224.
	205.	2.382	12.910	1309.	.571	2354.
	206.	6.478	27.620	1221.	.571	2317.
	207.	5.708	22.560	620.	.571	2247.
	208.	1.760	19.900	1050.	.571	2112.
	209.	1.673	13.080	1105.	.571	1959.
	210.	2.777	15.030	1226.	.740	1049.
2	204.	2.550	9.110	1450.	.571	2125.
	205.	2.843	12.420	1309.	.571	2354.
	206.	7.067	34.780	1221.	.600	2352.
	207.	6.290	21.740	620.	.571	2247.
	208.	2.368	19.580	1050.	.571	2111.
	209.	2.337	9.960	1105.	.571	1959.
	210.	3.371	16.670	1225.	.600	2400.
3	204.	2.527	8.770	1450.	.571	2125.
	205.	2.833	13.270	1309.	.571	2354.
	206.	7.284	34.190	1221.	.600	2351.
	207.	6.437	23.910	902.	.571	2247.
	208.	2.373	19.050	1050.	.571	2111.
	209.	2.343	9.310	1104.	.571	712.
	210.	3.426	17.800	1225.	.571	2343.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	211.	2.107	9.990	1039.	.600	2358.
	212.	1.531	7.137	1503.	.571	2248.
	213.	1.799	12.140	1141.	.600	2359.
	214.	1.965	10.530	1402.	.600	2400.
	215.	2.349	11.380	358.	.600	2400.
	216.	1.961	14.090	1149.	.571	2024.
	217.	2.623	16.130	1153.	.571	17.
	218.	2.077	11.800	1256.	.571	17.
2	211.	2.667	10.730	1203.	.600	2348.
	212.	2.122	6.967	1503.	.571	2019.
	213.	2.472	12.760	1141.	.600	2348.
	214.	2.620	11.830	2005.	.571	849.
	215.	3.034	10.840	1012.	.571	1300.
	216.	2.623	13.420	1149.	.600	2250.
	217.	3.175	15.710	1153.	.571	751.
	218.	2.689	12.170	1344.	.571	812.
3	211.	2.643	10.590	1039.	.600	2358.
	212.	2.055	7.080	1304.	.571	2019.
	213.	2.413	14.550	1139.	.571	942.
	214.	2.572	10.560	1347.	.571	849.
	215.	3.011	11.070	859.	.571	1259.
	216.	2.559	13.900	1149.	.600	2353.
	217.	3.167	15.480	1153.	.571	15.
	218.	2.659	12.140	1344.	.571	812.

HEIGHT OF MEASUREMENT 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	219.	1.812	10.590	1332.	.571	717.
	220.	2.130	10.360	1310.	.571	1614.
	221.	1.856	10.420	1519.	.571	648.
	222.	2.552	11.970	1014.	.600	2400.
	223.	1.840	8.260	1402.	.571	2134.
	224.	.763	4.137	1428.	.571	1004.
	225.	1.572	10.100	1307.	.571	1149.
	226.	1.145	6.061	1703.	.571	1227.
2	219.	2.395	13.100	1332.	.571	717.
	220.	2.750	11.010	1435.	.600	2358.
	221.	2.539	10.640	1519.	.571	650.
	222.	3.204	11.770	1613.	.600	2359.
	223.	2.588	9.060	1402.	.571	2134.
	224.	1.352	4.335	1428.	.571	1709.
	225.	2.548	12.140	1202.	.571	941.
	226.	1.645	6.260	1703.	.571	1228.
3	219.	2.371	14.410	1332.	.600	2355.
	220.	2.743	11.290	1435.	.600	2356.
	221.	2.467	10.270	1551.	.571	650.
	222.	3.207	11.770	1438.	.600	2359.
	223.	2.560	10.300	1246.	.571	2134.
	224.	1.248	4.109	1041.	.571	1710.
	225.	2.570	11.520	1202.	.571	939.
	226.	1.589	6.146	1703.	.571	1228.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	227.	1.943	9.510	1104.	.571	757.
	228.	2.946	17.490	1009.	.571	1837.
	229.	2.595	20.120	2358.	.571	2039.
	230.	6.115	26.860	840.	.600	2139.
	231.	2.925	12.540	43.	.571	854.
	232.	1.779				
	233.	5.360	24.990	1253.	.571	734.
	234.	3.063	16.100	941.	.571	32.
2	227.	2.527	9.590	1013.	.600	2354.
	228.	3.350	18.400	1015.	.571	1837.
	229.	3.086	19.100	2248.	.571	2039.
	230.	6.504	25.530	840.	.600	2117.
	231.	3.245	12.110	43.	.571	854.
	232.	2.235				
	233.	5.797	25.670	1253.	.571	732.
	234.	3.455	17.660	941.	.600	2349.
3	227.	2.498	11.090	1230.	.600	2350.
	228.	3.369	19.950	1015.	.571	805.
	229.	3.060	18.710	2358.	.571	1636.
	230.	6.708	25.330	840.	.600	2117.
	231.	3.308	11.150	1454.	.571	854.
	232.	2.251				
	233.	5.956	28.730	1403.	.571	732.
	234.	3.521	18.650	941.	.600	2349.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	235.	2.386	13.100	1220.	.571	521.
	236.	1.762	12.000	1916.	.600	2400.
	237.	3.442	24.740	1407.	.600	2354.
	238.	3.203	16.360	1057.	.600	2220.
	239.	2.017	8.150	1838.	.600	2349.
	240.	2.003	10.700	1259.	.571	1103.
	241.	1.976	16.470	1258.	.571	1948.
	242.	1.139	9.060	1442.	.571	2106.
	243.	1.514	10.050	2119.	.571	1321.
	244.	2.549	17.380	1558.	.571	1258.
	245.	4.559	20.320	1150.	.571	710.
2	235.	2.908	13.250	1220.	.600	2400.
	236.	2.316	10.840	1916.	.600	2400.
	237.	4.016	25.670	1407.	.600	2341.
	238.	3.823	18.650	1057.	.600	2024.
	239.	2.522	9.450	1838.	.600	2235.
	240.	2.596	11.090	1329.	.600	2300.
	241.	2.541	15.310	1258.	.543	214.
	242.	1.661	8.830	1435.	.571	2106.
	243.	2.149	11.290	2119.	.600	2354.
	244.	3.111	18.420	1558.	.571	2354.
	245.	4.970	20.090	1150.	.600	1657.
3	235.	2.925	13.780	1220.	.571	521.
	236.	2.336	10.560	1916.	.600	2400.
	237.	4.119	25.190	1416.	.600	2354.
	238.	3.901	19.780	1057.	.458	949.
	239.	2.550	10.440	1838.	.600	2236.
	240.	2.622	11.690	1329.	.571	737.
	241.	2.602	14.350	1258.	.571	827.
	242.	1.624	10.080	1435.	.571	2106.
	243.	2.091	12.480	2119.	.571	1322.
	244.	3.136	18.930	1558.	.571	2354.
	245.	5.101	21.370	1436.	.600	1657.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	246.	4.976	21.200	1107.	.050	1437.
	247.	1.601	5.977	618.	.571	1739.
	248.	.949	7.307	1545.	.543	905.
	249.	3.551	23.260	1803.	.571	636.
	250.	4.464	22.870	927.	.600	2357.
	251.	3.199	22.330	1039.	.600	2341.
	252.	2.555	13.420	1110.	.571	637.
	253.	2.155	11.720	1501.	.571	1239.
	254.	2.114	13.900	1404.	.571	51.
2	246.	5.540	20.830	1440.	.600	2359.
	247.	2.010	7.024	36.	.571	1625.
	248.	1.867	7.505	1545.	.305	1029.
	249.	4.120	25.950	1803.	.571	636.
	250.	4.914	25.640	902.	.600	2357.
	251.	3.647	22.240	1039.	.600	2340.
	252.	3.062	13.640	1110.	.571	835.
	253.	2.746	11.550	1254.	.571	405.
	254.	2.840	14.120	1404.	.571	51.
3	246.	5.665	21.760	1106.	.600	2350.
	247.	2.032	6.939	36.	.175	1625.
	248.	1.713	7.703	1545.	.571	1246.
	249.	4.124	26.570	1803.	.571	514.
	250.	5.033	26.600	902.	.600	2357.
	251.	3.749	21.620	1137.	.571	2100.
	252.	3.158	13.440	1110.	.571	840.
	253.	2.776	11.890	1157.	.571	405.
	254.	2.907	14.430	1404.	.571	51.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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.	2.509	21.030	1628.	.600	2357.
	256.	5.118	30.710	1132.	.600	2400.
	257.	1.537	9.420	1056.	.571	1840.
	258.	3.446	18.820	1126.	.571	941.
	259.	2.948	21.910	2334.	.571	431.
	260.	4.093	19.020	316.	.600	2356.
	261.	3.889	17.860	955.	.571	1946.
	262.	2.175	15.080	1258.	.600	2359.
2	255.	3.119	25.610	1628.	.600	2035.
	256.	5.724	32.550	1132.	.600	2331.
	257.	2.135	10.190	1104.	.571	1840.
	258.	4.034	16.610	1126.	.571	941.
	259.	3.336	21.400	2334.	.600	2044.
	260.	4.473	19.670	316.	.543	803.
	261.	4.356	18.710	955.	.571	354.
	262.	2.752	15.230	1258.	.600	2359.
3	255.	3.196	26.690	1628.	.571	945.
	256.	5.879	33.710	1132.	.571	1102.
	257.	2.067	10.980	1056.	.571	1840.
	258.	4.074	17.040	1308.	.571	941.
	259.	3.391	19.700	2334.	.571	2012.
	260.	4.570	17.150	1258.	.571	2125.
	261.	4.440	18.990	955.	.543	757.
	262.	2.819	15.250	1258.	.571	740.

HEIGHT OF MEASUREMENT 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	263.	2.208	17.350	1357.	.571	2234.
	264.	3.683	29.570	1755.	.571	800.
	265.	5.600	25.870	1104.	.571	321.
	266.	1.822	12.820	1219.	.571	1725.
	267.	1.639	11.350	2323.	.571	2135.
2	263.	2.819	17.240	1357.	.571	2234.
	264.	4.340	30.450	1753.	.571	653.
	265.	6.160	24.540	1104.	.600	2400.
	266.	2.715	12.910	1219.	.571	827.
	267.	2.248	12.710	1445.	.571	2135.
3	263.	2.857	20.210	1357.	.600	2358.
	264.	4.460	29.520	1755.	.571	653.
	265.	6.372	23.210	1104.	.600	2400.
	266.	2.741	12.960	1219.	.600	2154.
	267.	2.212	12.540	1445.	.571	2135.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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.	2.994	17.740	1147.	.600	2353.
	269.	1.298	10.440	1256.	.571	2201.
	270.	5.304	28.390	1348.	.571	1647.
	271.	4.046	23.240	130.	.571	1659.
	272.	2.212	14.010	1334.	.571	2159.
	273.	1.503	6.401	1158.	.571	752.
	274.	1.622	12.200	1044.	.571	1012.
	275.	2.122	9.370	1234.	.571	345.
	276.	4.727	18.310	805.	.571	2032.
	277.	2.845	28.870	125.	.571	1407.
	278.	6.025	24.710	923.	.600	2400.
	279.	7.506	33.930	540.	.600	2245.
	280.	6.881	25.190	448.	.600	2310.
	281.	1.427	8.260	1335.	.571	1657.
2	268.	3.957	20.090	1140.	.600	2341.
	269.	1.927	11.040	1256.	.571	2203.
	270.	5.947	28.900	1348.	.600	2319.
	271.	4.660	22.810	130.	.600	2345.
	272.	3.067	15.680	1334.	.571	1825.
	273.	2.172	6.627	1158.	.571	753.
	274.	2.331	12.230	1044.	.571	901.
	275.	2.715	10.640	1522.	.600	2331.
	276.	5.136	18.230	2108.	.571	2022.
	277.	3.655	30.480	40.	.600	2315.
	278.	6.725	29.910	923.	.600	2400.
	279.	8.060	31.020	540.	.600	2241.
	280.	7.307	25.730	346.	.600	2306.
	281.	2.018	8.490	1335.	.571	347.
3	268.	3.966	21.510	1140.	.600	2347.
	269.	1.873	10.750	1437.	.571	2203.
	270.	6.122	26.660	1348.	.600	2327.
	271.	4.711	24.230	120.	.571	244.
	272.	3.030	15.910	1334.	.571	2158.
	273.	2.042	6.769	1158.	.571	753.
	274.	2.177	12.200	1154.	.571	2120.
	275.	2.634	10.870	1234.	.571	2239.
	276.	5.271	19.390	2249.	.571	2040.
	277.	3.681	30.710	40.	.571	1410.
	278.	6.969	28.440	923.	.600	2400.
	279.	8.310	31.100	540.	.600	2241.
	280.	7.559	26.180	936.	.600	2306.
	281.	2.050	8.320	1335.	.571	921.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	282.	1.187	8.830	1345.	.571	2210.
	283.	2.077	10.980	1924.	.571	1813.
	284.	1.959	14.180	1908.	.571	1258.
	285.	3.362	20.550	1539.	.571	2235.
	286.	2.510	18.570	105.	.571	2250.
	287.	1.777	16.100	1451.	.571	2308.
	288.	1.908	9.370	1205.	.571	2057.
2	282.	1.740	9.030	1423.	.571	2210.
	283.	2.606	11.490	1924.	.571	917.
	284.	2.506	13.810	1930.	.571	1245.
	285.	3.968	20.580	1426.	.571	2235.
	286.	3.006	19.610	105.	.571	2028.
	287.	2.171	15.200	1451.	.571	1902.
	288.	2.457	9.200	1205.	.571	2334.
3	282.	1.751	9.450	1421.	.571	2210.
	283.	2.575	12.200	1855.	.571	2109.
	284.	2.480	14.720	1930.	.571	1257.
	285.	4.008	21.450	1426.	.571	2235.
	286.	3.001	19.360	105.	.571	2250.
	287.	2.025	14.180	1451.	.571	2308.
	288.	2.350	11.040	1216.	.571	2334.

HEIGHT OF MEASUREMENT 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	289.	1.067	6.910	1345.	.571	2209.
	290.	1.846	10.100	1603.	.571	2047.
	291.	1.732	10.250	1033.	.571	2056.
	292.	1.818	8.600	1323.	.600	2400.
	293.	1.132	11.720	1358.	.571	1939.
	294.	2.737	13.670	1405.	.571	608.
	295.	1.018	6.344	1507.	.571	2158.
	296.	2.687	16.750	1515.	.571	2113.
	297.	2.027	15.370	1412.	.571	2039.
	298.	1.509	9.280	1425.	.571	1548.
2	289.	1.738	7.618	1114.	.571	1945.
	290.	2.247	10.700	1603.	.571	2320.
	291.	2.113	9.960	1033.	.571	2056.
	292.	2.312	9.280	1355.	.571	2313.
	293.	1.597	11.410	1358.	.571	1455.
	294.	3.227	13.950	1413.	.571	712.
	295.	1.619	6.033	1506.	.571	2201.
	296.	3.133	17.150	1515.	.571	2113.
	297.	2.526	15.340	1412.	.571	2036.
	298.	2.097	9.570	1425.	.571	1850.
3	289.	1.663	7.420	1345.	.571	1945.
	290.	2.189	11.600	1233.	.571	2320.
	291.	2.068	10.470	1033.	.571	2056.
	292.	2.284	9.880	1544.	.571	2332.
	293.	1.575	11.150	1358.	.571	1939.
	294.	3.259	15.990	1413.	.571	712.
	295.	1.501	5.807	1506.	.571	2218.
	296.	3.053	17.550	1515.	.571	2113.
	297.	2.300	14.460	1412.	.571	2041.
	298.	1.738	9.510	1425.	.571	1850.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	299.	1.959	12.760	1144.	.571	1949.
	300.	1.402	9.480	236.	.600	2400.
	301.	1.449	6.627	1427.	.571	1830.
	302.	.829	4.675	208.	.571	2044.
	303.	4.037	20.740	538.	.600	2359.
	304.	2.147	11.410	1126.	.571	913.
2	299.	2.448	11.940	1207.	.571	1949.
	300.	1.901	9.510	236.	.600	2352.
	301.	2.064	7.307	1609.	.571	1820.
	302.	1.218	4.901	1414.	.571	2044.
	303.	4.490	23.070	1058.	.600	2352.
	304.	2.419	13.020	1126.	.571	2346.
3	299.	2.152	12.990	1207.	.571	1949.
	300.	1.621	8.630	236.	.600	2400.
	301.	1.855	6.967	1609.	.571	1818.
	302.	1.035	5.297	1414.	.571	2044.
	303.	4.477	24.030	537.	.486	726.
	304.	2.295	13.610	1126.	.571	2348.

HEIGHT OF MEASUREMENT 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	305.	3.473	22.390	952.	.600	2351.
	306.	2.671	13.440	1219.	.571	851.
	307.	5.009	27.540	1503.	.571	2104.
	308.	3.367	18.590	232.	.600	2354.
	309.	2.324	12.930	1217.	.571	418.
2	305.	3.966	22.580	952.	.571	819.
	306.	3.043	13.560	1219.	.571	852.
	307.	5.399	30.420	1503.	.600	2210.
	308.	3.730	17.860	232.	.600	2354.
	309.	2.649	12.820	1217.	.571	346.
3	305.	3.964	22.920	1545.	.571	819.
	306.	3.073	13.330	1219.	.571	901.
	307.	5.506	30.760	1503.	.600	2210.
	308.	3.747	17.910	232.	.571	2227.
	309.	2.636	13.300	1200.	.571	418.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	310.	1.234	10.900	1751.	.571	2215.
	311.	5.345	21.790	1018.	.571	2210.
	312.	7.022	23.720	1141.	.600	2340.
	313.	2.185	11.120	1241.	.600	2353.
	314.	1.367	5.354	1206.	.571	1901.
	315.	.859	5.694	1043.	.571	742.
	316.	.852	4.477	1639.	.571	1100.
	317.	2.192	15.450	2256.	.600	2359.
	318.	6.019	25.920	1459.	.571	2349.
2	310.	1.465	11.380	1839.	.571	2215.
	311.	5.751	22.610	1018.	.571	2210.
	312.	7.355	24.590	1141.	.600	2339.
	313.	2.378	11.660	1222.	.571	841.
	314.	1.387	5.411	1206.	.571	1858.
	315.	.878	6.090	1043.	.571	811.
	316.	.843	4.420	1633.	.571	1104.
	317.	2.338	17.090	2256.	.600	2323.
	318.	6.462	23.490	1459.	.600	1757.
3	310.	1.433	11.260	1751.	.571	2215.
	311.	5.955	22.730	1018.	.571	2210.
	312.	7.539	24.760	542.	.600	2339.
	313.	2.548	11.920	1152.	.571	841.
	314.	1.474	5.580	1048.	.571	1901.
	315.	.925	6.033	1043.	.571	811.
	316.	.865	4.222	1639.	.571	1219.
	317.	2.417	17.070	2256.	.600	2323.
	318.	6.736	25.240	1459.	.571	2345.

HEIGHT OF MEASUREMENT 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	319.	10.200	39.560	2058.	.571	247.
	320.	2.306	20.770	43.	.571	1901.
	321.	3.428	19.410	1421.	.571	1604.
	322.	7.520	31.240	1646.	.600	2348.
	323.	2.599	14.600	304.	.600	2258.
2	319.	10.850	44.830	634.	.600	2326.
	320.	2.802	25.610	43.	.571	1901.
	321.	3.734	20.260	1421.	.571	1602.
	322.	7.933	31.730	1622.	.600	2347.
	323.	2.982	15.510	411.	.600	2249.
3	319.	11.230	42.140	2058.	.600	1618.
	320.	2.817	26.260	43.	.571	1856.
	321.	3.821	20.120	1421.	.571	1604.
	322.	8.200	31.780	1646.	.600	2347.
	323.	3.085	17.350	2310.	.571	1336.

Table 3. Summary of 1984 data: Raft station wind speed--(1) daily average wind speed at 1, 2 and 3 meters above lake surface, (2) daily maximum and minimum wind speed at the level and the time they occurred. (continued)

HEIGHT OF MEASUREMENT 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	324.	7.480	25.440	1309.	.600	2013.
	325.	9.010	25.950	31.	.600	2032.
	326.	8.080	29.800	920.	.571	1124.
	327.	3.464	15.110	1251.	.571	422.
	328.	3.203	17.740	1319.	.600	2350.
	329.	4.474	15.250	36.	.600	2400.
	330.	1.259	5.071	1236.	.571	821.
	331.	2.231	17.430	1148.	.571	948.
2	324.	7.887	24.340	1059.	.600	1611.
	325.	9.430	26.490	1041.	.600	500.
	326.	8.570	35.260	34.	.571	318.
	327.	3.614	15.310	1251.	.571	455.
	328.	3.333	18.510	1319.	.600	2350.
	329.	4.656	16.640	237.	.600	2400.
	330.	1.505	5.128	1134.	.571	1742.
	331.	2.529	17.690	1148.	.600	2357.
3	324.	8.150	25.580	1059.	.600	958.
	325.	9.720	26.040	31.	.600	500.
	326.	8.850	32.120	458.	.600	2347.
	327.	3.677	14.720	1251.	.571	455.
	328.	3.380	19.240	1319.	.600	2350.
	329.	4.758	17.210	237.	.571	1555.
	330.	1.471	5.495	1119.	.571	2030.
	331.	2.532	20.010	1144.	.571	2400.

HEIGHT OF MEASUREMENT 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	332.	.863	3.713	1326.	.571	2341.
	333.	1.112	8.090	1047.	.571	1242.
	334.	3.523	18.930	2048.	.571	1725.
	335.	3.906	19.530	559.	.543	214.
2	332.	1.069	3.882	1327.	.571	2340.
	333.	1.369	8.970	1932.	.571	1245.
	334.	3.834	21.960	2137.	.571	1725.
	335.	2.823	20.740	1040.	.288	548.
3	332.	.862	4.392	1328.	.571	2341.
	333.	1.335	9.760	1932.	.571	1318.
	334.	3.957	22.220	2040.	.571	1725.
	335.	4.787	23.180	1040.	.571	2341.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred.
[cal/cm^2/d, calories per centimeter square per day; cal/cm^2/min, calories per centimeter square per minute; h, hour ; blank, no data]

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm^2)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm^2)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm^2)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm^2)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
114	589.1	1.274	1437	583.1	0.496	1701	0.378	2017
115	59.0	.335	1233	686.0	.488	1232	.466	120
116	162.4	.508	1445	667.3	.479	1224	.378	1847
117	594.7	1.403	953	571.5	.450	54	.332	2224
118	647.1	1.370	1145	540.8	.485	1712	.316	446
119	648.1	1.387	1137	539.6	.435	1147	.319	524
120	516.5	1.557	1033	623.4	.512	926	.343	104
121	406.1	1.466	1013	687.5	.564	1510	.376	524
122	326.3	1.718	1236	584.9	.476	1216	.334	500
123	237.8	1.720	935	582.9	.448	935	.295	2400
124	569.6	1.350	1118	554.7	.477	2400	.286	410
125	58.8	.193	1407	677.3	.481	1227	.461	441
126	181.6	1.494	1035	626.4	.466	1	.323	2400
127	504.5	1.771	1135	540.4	.498	1033	.308	253
128	671.6	1.432	1118	561.3	0.468	2400	0.319	431
129	78.9	.597	1042	690.1	.507	1040	.422	356
130	352.7	1.816	1120	626.3	.496	1100	.321	2325
131	507.9	1.843	1128	556.9	.479	1019	.317	26
132	554.5	1.650	1201	611.3	.512	1807	.305	503
133	46.5	.494	1547	701.8	.529	1603	.409	1927
134	419.0	1.849	1029	661.6	.505	628	.409	931

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
135.	209.8	1.139	1525.	626.2	.468	1500.	.325	2400.
136.	455.6	1.841	1123.	565.2	.472	1207.	.321	231.
137.	456.0	1.703	1039.	542.5	.450	1039.	.310	2346.
138.	511.9	1.915	1145.	539.0	.485	1147.	.306	2351.
139.	709.9	1.533	1132.	508.5	.426	1132.	.297	345.
140.	295.7	1.807	1105.	637.6	.527	1051.	.310	223.
141.	498.2	1.479	1056.	686.4	.538	1211.	.411	343.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
142.	435.4	1.714	1139.	667.7	.545	1105.	.382	2333.
143.	443.3	1.672	1123.	695.6	.599	1245.	.376	232.
144.	363.7	1.642	1030.	759.2	.610	1132.	.433	2346.
145.	660.9	1.780	1212.	618.7	.510	837.	.369	2232.
146.	578.9	1.897	958.	686.3	.571	1152.	.413	642.
147.	455.5	1.551	1233.	716.0	.613	1154.	.408	429.
148.	587.1	1.849	1056.	602.7	.518	56.	.358	2041.
149.	106.9	.260	1201.	670.9	.501	1406.	.349	128.
150.	61.0	.324	1307.	710.6	.512	1420.	.485	2400.
151.	45.2	.172	1342.	741.8	.549	1652.	.483	421.
152.	91.4	.465	1258.	701.9	.512	8.	.448	2354.
153.	428.9	1.766	1017.	671.8	.533	1332.	.385	519.
154.	186.8	.842	1031.	691.0	.518	1340.	.382	2059.
155.	427.4	1.478	1153.	661.7	.542	1153.	.389	725.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
156.	581.5	1.692	1050.	644.7	.542	1054.	.371	252.
157.	714.7	1.688	1231.	652.8	.558	1223.	.380	243.
158.	259.2	1.109	830.	713.4	.547	2348.	.408	51.
159.	448.7	1.441	1329.	780.5	.604	1023.	.485	2339.
160.	612.6	1.466	1126.	764.7	.606	1455.	.487	43.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)

161.	616.2	1.465	1310.	762.4	.619	1310.	.476	2354.
162.	641.9	1.428	1155.	749.2	.623	1447.	.453	336.
163.	606.7	1.558	1147.	727.0	.604	1255.	.417	2357.
164.	724.7	1.476	1119.	649.2	.507	1245.	.389	448.
165.	578.5	1.430	1154.	712.4	.612	1400.	.411	454.
166.	220.0	1.673	1308.	765.6	.588	1215.	.431	2328.
167.	587.7	1.850	1243.	573.9	.487	1304.	.338	2359.
168.	661.8	1.701	1218.	613.1	.514	1426.	.336	30.
169.	610.4	1.715	1149.	680.1	.556	1149.	.419	50.
170.	44.3	.124	928.	765.9	.567	2333.	.422	217.
171.	554.0	1.762	1134.	766.8	.623	1000.	.428	2400.
172.	639.9	1.633	1116.	610.3	.494	1116.	.365	2359.
173.	708.0	1.463	1129.	620.6	.538	1744.	.349	404.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
174.	745.0	1.483	1130.	593.9	.455	1213.	.351	2400.
175.	709.9	1.653	1041.	597.9	.498	1043.	.341	324.
176.	109.0	.695	952.	711.0	.529	2358.	.395	2.
177.	324.6	1.799	1240.	748.2	.558	1221.	.441	2215.
178.	395.1	1.837	1044.	704.9	.540	1304.	.395	2351.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
179.	606.2	1.785	1109.	706.0	.555	1018.	.398	4.
180.	568.8	1.696	1150.	729.2	.586	945.	.441	2031.
181.	421.9	1.571	1140.	727.8	.577	928.	.433	512.
182.	215.3	.813	913.	749.9	.558	1309.	.457	2229.
183.	564.4	1.469	1057.	721.7	.569	1251.	.452	143.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
184.	696.2	1.445	1205.	698.9	.542	1155.	.422	441.
185.	454.2	1.948	1218.	730.7	.588	1218.	.459	502.
186.	371.5	1.294	1021.	786.2	.595	1157.	.476	244.
187.	102.6	.592	1156.	795.0	.580	900.	.507	2040.
188.	441.7	1.648	1207.	796.0	.588	1925.	.483	655.
189.	100.0	.786	1422.	794.0	.577	939.	.444	2400.
190.	521.5	2.000	1245.	639.1	.533	1234.	.384	2210.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
191.	305.5	1.663	1226.	695.8	.534	1602.	.398	19.
192.	541.2	1.855	1157.	708.3	.567	1646.	.439	2303.
193.	163.3	1.075	845.	765.7	.580	2258.	.435	237.
194.	620.8	1.485	1208.	728.3	.578	9.	.428	2224.
195.	561.0	1.701	1210.	685.2	.590	1240.	.424	501.
196.	603.9	1.527	1216.	718.8	.590	1517.	.422	115.
197.	546.8	1.467	1201.	747.3	.580	1313.	.466	339.
198.								
199.								
200.								
201.								
202.								
203.	424.1	1.394	1237.	702.0	.566	1543.	.426	105.
204.	597.1	1.635	1115.	709.0	.593	1150.	.437	546.
205.	430.1	1.793	1124.	754.0	.597	1411.	.446	8.
206.	580.3	1.430	1213.	709.0	.580	232.	.400	2254.
207.	631.9	1.630	1201.	602.1	.488	1216.	.378	2359.
208.	421.3	1.779	1146.	661.4	.547	1206.	.373	231.
209.	84.8	.295	1016.	716.0	.531	1108.	.430	508.
210.	437.0	1.662	1354.	689.2	.556	1100.	.406	2220.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
211.	627.4	1.559	1100.	651.0	.525	1107.	.417	2203.
212.	500.5	1.493	1037.	686.2	.564	1116.	.413	206.
213.	606.5	1.457	1316.	714.0	.556	1330.	.426	541.
214.	218.5	1.432	928.	761.0	.573	1210.	.457	340.
215.	445.6	1.659	1053.	737.0	.595	1139.	.450	2400.
216.	471.3	1.391	1139.	714.0	.575	1527.	.450	104.
217.	551.4	1.322	1227.	702.0	.560	1259.	.446	247.
218.	539.6	1.298	1140.	716.0	.578	1043.	.448	205.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
219.	493.2	1.436	1114.	739.0	.588	951.	.457	152.
220.	269.2	1.324	1136.	774.0	.601	1050.	.477	2048.
221.	558.0	1.612	1218.	755.0	.604	1615.	.466	247.
222.	389.4	1.594	1305.	796.0	.584	1305.	.501	912.
223.	274.3	1.318	1140.	815.0	.588	1304.	.544	1122.
224.	111.9	.668	959.	824.0	.588	1404.	.544	2056.
225.	497.2	1.477	1153.	785.0	.593	1352.	.488	2303.
226.	295.3	1.699	1044.	815.0	.604	1107.	.512	521.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
227.	344.6	1.413	1420.	821.0	.615	1440.	.507	2331.
228.	488.9	1.430	1256.	771.0	.604	854.	.463	2400.
229.	300.8	1.334	931.	732.0	.588	1037.	.446	2400.
230.	607.7	1.330	1153.	630.1	.477	2038.	.398	448.
231.	583.3	1.561	1203.	578.5	.476	1241.	.352	455.
232.	235.1	1.779	1135.	709.0	.545	1231.	.373	26.
233.	554.7			718.2				
234.	594.0	1.301	1200.	598.1	.474	1450.	.341	220.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
235.	574.1	1.387	1224.	667.1	.509	2117.	.413	137.
236.	162.3	1.325	1231.	741.0	.573	1231.	.433	2237.
237.	395.7	1.655	1222.	693.2	.569	1351.	.391	2359.
238.	527.7	1.597	1159.	614.6	.538	1301.	.374	2333.
239.	502.4	1.624	1256.	622.8	.534	1256.	.378	14.
240.	519.6	1.255	1139.	636.3	.496	1155.	.393	8.
241.	526.5	1.292	1227.	675.8	.516	1059.	.402	5.
242.	244.7	1.110	1213.	782.5	.590	1207.	.463	524.
243.	188.1	1.125	1326.	806.0	.601	1559.	.472	2358.
244.	272.7	1.601	1052.	710.1	.586	1238.	.404	2400.
245.	383.8	1.561	1155.	633.3	.540	1157.	.385	2354.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
246.	413.6	1.341	1105.	596.5	.487	1542.	.363	538.
247.	158.4	.641	1225.	698.1	.509	1453.	.374	19.
248.	116.7	.452	1247.	708.3	.523	1323.	.382	2400.
249.	383.3	1.598	1151.	593.7	.516	1043.	.341	2358.
250.	445.7	1.659	1102.	532.9	.494	1104.	.329	2303.
251.	417.8	1.411	1219.	570.1	.509	1419.	.341	6.
252.	496.7	1.225	1158.	580.9	.466	1346.	.347	38.
253.	505.1	1.172	1213.	601.6	.468	1155.	.385	2344.
254.	352.6	1.677	1239.	698.7	.562	1239.	.385	3.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
255.	132.8	.966	1053.	753.2	.575	1053.	.446	2303.
256.	405.8	1.298	1003.	600.9	.498	3.	.360	2127.
257.	183.3	1.556	1033.	691.8	.525	2355.	.369	152.
258.	306.6	1.391	1238.	693.3	.540	952.	.400	1922.
259.	73.8	.417	1009.	671.8	.492	459.	.374	2249.
260.	314.9	1.559	1149.	575.5	.470	1622.	.325	402.
261.	470.7	1.143	1134.	545.2	.457	634.	.327	2218.
262.	466.1	1.118	1143.	550.2	.426	1205.	.351	6.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
263.	351.9	1.384	1023.	612.0	.523	1504.	.367	809.
264.	374.8	1.263	1009.	663.8	.560	1659.	.382	2304.
265.	452.8	1.268	1128.	542.1	.463	320.	.329	2344.
266.	428.7	1.056	1130.	554.5	.430	1327.	.330	20.
267.	367.0	1.007	1232.	686.1	.558	2335.	.384	133.
268.	409.0	1.044	1148.	694.3	.551	201.	.422	1921.
269.	254.1	1.023	1159.	741.9	.564	1757.	.426	228.
270.	228.2	1.522	1147.	632.7	.566	712.	.305	2357.
271.	399.4	1.158	1209.	513.2	.404	2400.	.297	148.
272.	395.4	1.429	1048.	546.5	.431	2238.	.314	707.
273.	177.2	1.061	1019.	574.5	.477	1130.	.329	2157.
274.	294.6	1.298	1043.	559.0	.474	1451.	.343	2123.
275.	102.1	.578	1215.	641.5	.470	1215.	.371	28.
276.	35.1	.133	851.	626.3	.453	24.	.332	2228.
277.	130.6	.920	907.	604.9	.472	1940.	.306	546.
278.	406.0	1.170	939.	529.3	.455	132.	.308	1812.
279.	389.4	1.024	1120.	463.2	.444	235.	.266	2333.
280.	394.3	1.016	1135.	418.4	.321	1347.	.266	427.
281.	352.5	.975	1149.	499.5	.409	1332.	.290	46.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
282.	190.2	.838	1255.	638.9	.494	2359.	.343	216.
283.	111.3	.836	1333.	669.1	.520	1256.	.362	2237.
284.	107.9	.517	1450.	652.0	.505	1355.	.362	2359.
285.	336.4	.889	1117.	566.3	.452	1255.	.352	614.
286.	341.3	.911	1138.	583.4	.452	1417.	.358	614.
287.	242.7	.906	1144.	602.3	.481	1918.	.336	2317.
288.	284.0	1.089	1011.	558.5	.455	310.	.323	2329.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
289.	304.9	.957	1130.	529.3	.431	1328.	.316	153.
290.	316.0	.855	1127.	557.6	.483	1435.	.349	220.
291.	316.6	.863	1138.	521.6	.437	727.	.329	2256.
292.	316.1	.846	1133.	525.2	.413	1331.	.321	2338.
293.	297.6	.824	1144.	606.6	.525	1814.	.325	3.
294.	223.2	.822	1219.	615.1	.514	6.	.343	2248.
295.	49.1	.362	742.	639.5	.494	1157.	.345	212.
296.	121.0	.887	1238.	693.1	.529	1058.	.426	622.
297.	133.5	1.242	1036.	644.4	.494	727.	.376	1339.
298.	177.8	.941	1207.	549.0	.450	1104.	.316	2212.

Table 4. Summary of 1984 data: Land-station radiation--(1) daily total short-wave solar radiation, (2) daily maximum short-wave solar radiation and the time it occurred,(3) daily total long-wave atmospheric radiation, and (4) daily maximum and minimum long-wave atmospheric radiation and the time they occurred. (continued)

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
299.	230.2	.997	1133.	553.3	.437	2236.	.340	5.
300.	16.5	.069	949.	644.6	.459	1020.	.428	152.
301.	100.6	.656	1100.	661.2	.474	1335.	.442	523.
302.	115.8	.710	1158.	679.5	.503	2400.	.433	1706.
303.	159.4	1.148	1045.	605.2	.518	455.	.294	2400.
304.	280.9	.773	1121.	442.4	.415	2400.	.257	604.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
305.	153.2	.892	1213.	483.8	.461	1005.	.259	2359.
306.	250.7	.943	1026.	496.2	.442	2339.	.257	232.
307.	147.7	.920	1057.	487.4	.446	703.	.220	2139.
308.	262.7	.746	1135.	376.8	.301	844.	.224	651.
309.	258.9	.970	1252.	447.9	.431	2400.	.213	643.

JULIAN DAY	DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d]	MAXIMUM SHORT-WAVE SOLAR RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM SHORT-WAVE SOLAR RADIATION (h)	DAILY TOTAL LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/d]	MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)	MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min]	TIME-OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h)
310.	37.2	.223	1006.	635.1	.470	1435.	.387	1841.
311.	157.1	.844	1157.	514.3	.430	14.	.281	1832.
312.	242.0	.710	1128.	371.3	.387	123.	.205	2400.
313.	237.2	.705	1121.	362.2	.341	1937.	.189	647.
314.	83.1	.486	1419.	515.0	.395	1325.	.295	8.
315.	12.5	.071	1202.	352.4	.363	14.	.207	2141.
316.	38.3	.317	945.	347.4	.257	2135.	.200	932.
317.	70.4	.738	1158.	310.0	.257	1107.	.115	1627.
318.	26.6	.131	1004.	249.2	.202	20.	.130	2334.