# CLIMATIC DATA FOR MIRROR LAKE, WEST THORNTON, NEW HAMPSHIRE 1987

By
A.M. Sturrock, D.C. Buso, M.J. Oberley, T.C. Winter

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## TABLES

## METRIC CONVERSION FACTORS

| *Multiply* | *By* | *To obtain* |
|---|---|---|
| centimeter | 0.394 | inch |
| meter | 3.281 | feet |
| kilometer | 0.621 | mile |
| millibar | 0.0145 | pound per square inch |
| millibar | 1.0197 | grams per square centimeter |
| mile per hour | 1.609 | kilometer per hour |
| calories per square centimeter per minute | 697.3 | watts per square meter |

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

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*By* A.M. Sturrock, D.C. Buso, M. J. Oberley, and T.C. Winter

## 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, of 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). Climatic data for the 1981 and 1982 open-water seasons are given in Sturrock and others (1984), those for the 1984 open-water season are given in Sturrock and others (1986), those for the 1985 open-water season are given in Sturrock and others (1988a), and those for the 1986 open-water season are given in Sturrock and others (1988b).

## 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 1987 were collected from April 16 (Julian day 106) to November 19 (Julian day 323). Within table 1 the data are grouped according to energy-budget periods; the periods are defined by the dates thermal surveys of the lake were made. For example, the first energy-budget period for 1987 is Julian days 106 through 111.

Climatic instruments are located on a raft near the middle of the lake and at a land station about 0.4 km west of the lake. 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. In addition, maximum and minimum values and the times they occur are stored and recorded at midnight of each day for selected sensors. Vapor pressure of water ($e_o$) is calculated using water-temperature data and assuming the air is completely saturated at the air-water interface. 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. Calibration checks with laboratory thermometers and motorized psychrometers are made weekly.

The land station consists of short-wave and long-wave radiometers, located at the U.S. Forest Service Hubbard Brook Station. 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.

Data presented here are daily summaries. For periods during which the primary instruments were not operating properly, values were obtained by calculation or estimation using data from backup instruments or by plotting trends if only a few hours of data were missing. Data used to establish trends 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 calculation or estimation, and these are explained in the footnotes to table 1.

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).

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Table 1. --*Summary of 1987 energy budget data*
[C, degrees Celsius; mb, millibars; mi/h, miles per hour; (cal/cm²)/d, calories per square centimeter per day; blank, no data; footnote reference numbers in column headings apply to all pages of table]

| JULIAN DAY | DAILY AVERAGES AT RAFT STATION | | | | | |
|---|---|---|---|---|---|---|
| | LAKE-SURFACE WATER TEMPERATURE (C) | DRY-BULB AIR TEMPERATURE (C) 1/ | WET-BULB AIR TEMPERATURE (C) 1/ | WATER VAPOR PRESSURE (mb) 2/ | ATMOSPHERIC VAPOR PRESSURE (mb) 1/ | BOWEN RATIO |
| 106 | 8.84 | 7.34 | 5.20 | 11.35 | 7.43 | 0.231 |
| 107 | 9.04 | 8.13 | 7.26 | 11.51 | 9.62 | 0.291 |
| 108 | 10.37 | 12.72 | 11.64 | 12.58 | 12.98 | 3.589 |
| 109 | 12.63 | 15.81 | 13.27 | 14.61 | 13.56 | -1.814 |
| 110 | 13.88 | 16.16 | 13.13 | 15.85 | 13.09 | -0.498 |
| 111 | 15.66 | 17.89 | 14.56 | 17.78 | 14.36 | -0.393 |

| JULIAN DAY | DAILY AVERAGES AT RAFT STATION | | | DAILY TOTALS AT LAND STATION | |
|---|---|---|---|---|---|
| | WIND SPEED AT 1 METER (mi/h) 3/ | WIND SPEED AT 2 METERS (mi/h) 3/ | WIND SPEED AT 3 METERS (mi/h) 3/ | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 106 | 1.58 | 2.62 | 2.94 | 153.1 | 672.3 |
| 107 | 1.03 | 1.64 | 1.98 | 139.5 | 709.6 |
| 108 | 1.13 | 1.91 | 2.11 | 292.7 | 744.4 |
| 109 | 1.43 | 2.25 | 2.54 | 443.3 | 716.2 |
| 110 | 2.10 | 3.24 | 3.55 | 488.7 | 708.8 |
| 111 | 2.12 | 3.07 | 3.39 | 557.2 | 741.7 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 112 | 15.10 | 12.33 | 6.94 | 17.16 | 6.43 | 0.156 |
| 113 | 14.03 | 6.88 | 5.11 | 16.01 | 7.63 | 0.514 |
| 114 | 13.12 | 8.20 | 6.06 | 15.09 | 7.98 | 0.417 |
| 115 | 12.35 | 7.64 | 2.74 | 14.35 | 4.24 | 0.281 |
| 116 | 12.36 | 7.42 | 2.48 | 14.36 | 4.07 | 0.289 |
| 117 | 12.33 | 5.69 | 1.68 | 14.33 | 4.28 | 0.398 |
| 118 | 11.36 | 1.90 | 0.49 | 13.44 | 5.41 | 0.710 |
| 119 | 10.43 | 3.27 | 2.13 | 12.63 | 6.37 | 0.689 |
| 120 | 9.84 | 4.36 | 2.45 | 12.14 | 6.03 | 0.540 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 112 | 4.13 | 5.46 | 5.88 | 569.4 | 610.1 |
| 113 | 1.85 | 3.27 | 3.64 | 305.7 | 642.0 |
| 114 | 3.65 | 4.15 | 4.58 | 107.0 | 635.2 |
| 115 | 2.89 | 3.67 | 4.13 | 624.3 | 515.0 |
| 116 | 2.90 | 3.49 | 3.94 | 633.8 | 505.0 |
| 117 | 3.00 | 5.07 | 5.37 | 621.0 | 500.4 |
| 118 | 2.68 | 3.96 | 4.36 | 135.0 | 602.0 |
| 119 | 3.28 | 3.63 | 4.07 | 335.5 | 631.3 |
| 120 | 5.34 | 5.93 | 6.45 | 328.0 | 612.1 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 121 | 9.87 | 6.01 | 2.95 | 12.17 | 5.54 | 0.351 |
| 122 | 10.29 | 8.45 | 4.32 | 12.51 | 5.61 | 0.161 |
| 123 | 10.31 | 8.41 | 3.16 | 12.53 | 4.23 | 0.138 |
| 124 | 10.48 | 8.43 | 4.14 | 12.67 | 5.40 | 0.170 |
| 125 | 10.51 | 7.03 | 5.97 | 12.70 | 8.63 | 0.516 |
| 126 | 11.21 | 10.25 | 8.90 | 13.31 | 10.51 | 0.207 |
| 127 | 12.16 | 11.21 | 7.70 | 14.17 | 8.20 | 0.096 |
| 128 | 12.40 | 9.23 | 4.63 | 14.39 | 5.48 | 0.214 |
| 129 | 12.71 | 10.38 | 7.05 | 14.69 | 7.86 | 0.206 |
| 130 | 13.15 | 15.81 | 9.65 | 15.12 | 7.93 | -0.223 |
| 131 | 13.68 | 13.94 | 11.49 | 15.65 | 11.94 | -0.042 |
| 132 | 13.85 | 11.91 | 10.23 | 15.82 | 11.36 | 0.262 |
| 133 | 13.83 | 10.86 | 8.35 | 15.80 | 9.33 | 0.277 |

Table 1. --*Summary of 1987 energy budget data--Continued*

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 121 | 4.63 | 5.26 | 5.80 | 430.4 | 550.4 |
| 122 | 3.27 | 3.91 | 4.43 | 512.8 | 581.8 |
| 123 | 3.12 | 3.65 | 4.09 | 402.3 | 575.3 |
| 124 | 1.94 | 3.24 | 3.57 | 496.9 | 579.3 |
| 125 | 1.73 | 2.44 | 2.92 | 81.0 | 689.4 |
| 126 | 1.82 | 3.30 | 3.70 | 422.6 | 709.1 |
| 127 | 3.62 | 4.11 | 4.66 | 494.6 | 636.7 |
| 128 | 2.13 | 2.80 | 3.24 | 639.0 | 553.4 |
| 129 | 1.60 | 2.11 | 2.58 | 386.5 | 609.9 |
| 130 | 5.19 | 5.76 | 6.29 | 574.0 | 648.0 |
| 131 | 1.78 | 3.00 | 3.35 | 462.6 | 655.4 |
| 132 | 4.44 | 4.95 | 5.44 | 396.7 | 634.9 |
| 133 | 2.80 | 3.88 | 4.31 | 678.5 | 555.4 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 134 | 14.40 | 12.70 | 7.13 | 16.40 | 6.44 | 0.103 |
| 135 | 14.43 | 8.88 | 7.04 | 16.43 | 8.83 | 0.440 |
| 136 | 13.96 | 10.00 | 4.73 | 15.94 | 5.10 | 0.220 |
| 137 | 14.10 | 14.22 | 10.53 | 16.08 | 10.28 | -0.012 |
| 138 | 14.15 | 13.03 | 8.61 | 16.14 | 8.27 | 0.086 |
| 139 | 4 {14.58 | 4 {10.50 | 4 { 6.05 | 16.59 | 6.46 | 0.243 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 134 | 2.38 | 3.56 | 3.90 | 681.6 | 590.7 |
| 135 | 5.33 | 5.83 | 6.41 | 342.1 | 674.9 |
| 136 | 5.31 | 5.74 | 6.24 | 687.4 | 587.9 |
| 137 | 2.98 | 3.36 | 3.79 | 231.3 | 729.7 |
| 138 | 3.17 | 3.63 | 4.11 | 233.5 | 698.7 |
| 139 | | 4 {3.12 | | 687.4 | 566.1 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 140 | 14.78 | 9.74 | 5.80 | 16.81 | 6.63 | 0.299 |
| 141 | 15.13 | 12.29 | 9.99 | 17.19 | 10.75 | 0.266 |
| 142 | 17.03 | 19.10 | 15.93 | 19.41 | 15.99 | -0.365 |
| 143 | 17.17 | 14.53 | 13.32 | 19.58 | 14.49 | 0.312 |
| 144 | 15.59 | 9.00 | 8.30 | 17.70 | 10.48 | 0.550 |
| 145 | 15.58 | 11.83 | 10.63 | 17.69 | 12.01 | 0.398 |
| 146 | 5 {16.57 | 5 {15.75 | 5 {11.75 | 18.85 | 11.15 | 0.064 |
| 147 | 16.97 | 14.15 | 11.74 | 19.33 | 12.19 | 0.238 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 140 | 1.88 | 3.34 | 3.70 | 534.1 | 587.4 |
| 141 | 1.45 | 2.26 | 2.62 | 382.1 | 721.1 |
| 142 | 1.51 | 2.07 | 2.48 | 451.1 | 781.1 |
| 143 | 2.18 | 3.34 | 3.81 | 115.3 | 765.8 |
| 144 | 1.29 | 2.25 | 2.71 | 155.7 | 721.0 |
| 145 | 0.96 | 1.29 | 1.70 | 225.7 | 739.7 |
| 146 | | 5 {2.85 | | 649.0 | 695.5 |
| 147 | | 3.51 | | 298.5 | 759.6 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 148 | 18.14 | 18.64 | 16.49 | 20.81 | 17.32 | -0.086 |
| 149 | 19.63 | 22.08 | 19.37 | 22.85 | 20.67 | -0.680 |
| 150 | 21.75 | 22.09 | 19.56 | 26.03 | 21.06 | -0.041 |
| 151 | 22.40 | 22.13 | 19.20 | 27.08 | 20.29 | 0.024 |
| 152 | 22.88 | 21.21 | 18.61 | 27.88 | 19.71 | 0.123 |
| 153 | 22.15 | 17.06 | 16.25 | 26.67 | 17.93 | 0.351 |
| 154 | 6 {21.23 | 6 {15.63 | 6 {12.28 | 25.22 | 11.47 | 0.260 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 148 | 1.97 | 2.46 | 2.90 | 421.0 | 805.0 |
| 149 | 2.57 | 3.07 | 3.60 | 489.2 | 835.0 |
| 150 | 1.62 | 1.81 | 2.16 | 486.1 | 826.0 |
| 151 | 2.53 | 3.01 | 3.42 | 509.2 | 814.0 |
| 152 | 3.05 | 3.50 | 4.03 | 527.5 | 810.0 |
| 153 | 1.25 | 1.55 | 2.01 | 103.2 | 807.0 |
| 154 | | 6 {3.51 | | 458.5 | 756.3 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 155 | 20.15 | 12.54 | 11.92 | 23.59 | 13.54 | 0.456 |
| 156 | 20.39 | 17.06 | 13.80 | 23.95 | 13.61 | 0.194 |
| 157 | 19.65 | 13.33 | 8.56 | 22.87 | 8.00 | 0.256 |
| 158 | 19.26 | 12.17 | 8.90 | 22.33 | 9.25 | 0.327 |
| 159 | 18.93 | 14.44 | 13.84 | 21.87 | 15.42 | 0.419 |
| 160 | 18.64 | 15.19 | 13.29 | 21.48 | 14.00 | 0.278 |
| 161 | 18.00 | 14.69 | 10.23 | 20.63 | 9.52 | 0.180 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 155 | 1.30 | 1.82 | 2.17 | 106.7 | 762.7 |
| 156 | 2.49 | 2.82 | 3.11 | 567.9 | 747.2 |
| 157 | 5.60 | 6.17 | 6.56 | 710.3 | 599.0 |
| 158 | 1.91 | 2.80 | 3.16 | 462.1 | 679.4 |
| 159 | 1.16 | 1.56 | 1.98 | 87.2 | 770.3 |
| 160 | 4.14 | 4.82 | 5.27 | 244.7 | 753.4 |
| 161 | 7.09 | 7.97 | 8.42 | 526.7 | 656.6 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 162 | 18.21 | 15.53 | 11.01 | 20.91 | 10.15 | 0.150 |
| 163 | 18.14 | 14.22 | 13.80 | 20.81 | 15.49 | 0.444 |
| 164 | 19.48 | 18.75 | 17.61 | 22.63 | 19.37 | 0.135 |
| 165 | 20.35 | 19.74 | 16.75 | 23.89 | 17.08 | 0.054 |
| 166 | 21.08 | 21.82 | 15.67 | 24.99 | 13.71 | -0.040 |
| 167 | 20.84 | 18.67 | 13.14 | 24.62 | 11.45 | 0.099 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 162 | 2.52 | 3.00 | 3.32 | 561.9 | 684.2 |
| 163 | 0.87 | 1.00 | 1.50 | 59.3 | 774.4 |
| 164 | 1.22 | 1.47 | 1.94 | 401.0 | 801.0 |
| 165 | 2.35 | 2.81 | 3.22 | 648.2 | 777.8 |
| 166 | 4.93 | 5.54 | 6.11 | 656.1 | 744.7 |
| 167 | 4.99 | 5.60 | 6.16 | 585.9 | 714.0 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 168 | 20.28 | 16.29 | 11.64 | 23.78 | 10.62 | 0.183 |
| 169 | 20.66 | 17.12 | 13.05 | 24.35 | 12.33 | 0.177 |
| 170 | 21.64 | 19.58 | 16.29 | 25.86 | 16.33 | 0.130 |
| 171 | 21.39 | 19.28 | 13.88 | 25.46 | 12.28 | 0.096 |
| 172 | 21.84 | 18.18 | 14.18 | 26.18 | 13.52 | 0.174 |
| 173 | 21.98 | 18.65 | 17.77 | 26.40 | 19.75 | 0.302 |
| 174 | 7 {22.13 | 7 {18.03 | 7 {16.41 | 26.64 | 17.58 | 0.273 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 168 | 4.88 | 5.61 | 6.08 | 711.7 | 650.7 |
| 169 | 2.32 | 2.73 | 3.34 | 668.4 | 681.4 |
| 170 | 1.72 | 1.98 | 2.48 | 499.6 | 749.4 |
| 171 | 4.06 | 4.55 | 5.10 | 626.0 | 682.8 |
| 172 | 1.73 | 2.51 | 3.01 | 659.0 | 709.3 |
| 173 | 0.86 | 1.18 | 1.60 | 179.8 | 812.0 |
| 174 | | 7 {2.87 | | 440.0 | 781.9 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 175 | 22.86 | 20.71 | 17.29 | 27.85 | 17.45 | 0.125 |
| 176 | 22.28 | 16.17 | 14.34 | 26.89 | 15.12 | 0.313 |
| 177 | 21.24 | 13.85 | 12.71 | 25.23 | 13.94 | 0.394 |
| 178 | 20.80 | 15.63 | 15.16 | 24.56 | 16.91 | 0.407 |
| 179 | 20.89 | 16.59 | 14.30 | 24.70 | 14.78 | 0.261 |
| 180 | 21.44 | 18.45 | 15.20 | 25.54 | 15.11 | 0.173 |
| 181 | 22.02 | 20.75 | 17.73 | 26.46 | 18.28 | 0.093 |
| 182 | 21.80 | 18.16 | 14.95 | 26.11 | 14.86 | 0.195 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 175 | 2.35 | 2.66 | 3.15 | 674.0 | 772.0 |
| 176 | 2.22 | 3.38 | 3.83 | 177.9 | 756.2 |
| 177 | 1.99 | 2.86 | 3.26 | 213.0 | 770.7 |
| 178 | 1.90 | 2.16 | 2.66 | 59.2 | 805.0 |
| 179 | 2.81 | 3.23 | 3.72 | 558.0 | 742.3 |
| 180 | 2.10 | 2.72 | 3.01 | 567.6 | 744.0 |
| 181 | 2.07 | 2.49 | 2.88 | 417.1 | 792.8 |
| 182 | 1.87 | 2.16 | 2.46 | 428.3 | 726.7 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 183 | 21.66 | 17.00 | 14.68 | 25.89 | 15.16 | 0.262 |
| 184 | 21.16 | 14.92 | 14.16 | 25.11 | 15.64 | 0.397 |
| 185 | 21.42 | 18.15 | 16.75 | 25.51 | 18.13 | 0.267 |
| 186 | 21.96 | 21.13 | 16.84 | 26.37 | 16.32 | 0.050 |
| 187 | 22.68 | 20.37 | 18.03 | 27.55 | 19.11 | 0.165 |
| 188 | 22.43 | 19.16 | 16.82 | 27.13 | 17.59 | 0.207 |
| 189 | 23.15 | 21.17 | 19.19 | 28.34 | 20.91 | 0.160 |
| 190 | 24.96 | 24.43 | 21.86 | 31.60 | 24.49 | 0.045 |
| 191 | 25.71 | 23.71 | 21.33 | 33.04 | 23.78 | 0.130 |
| 192 | 26.34 | 24.07 | 22.00 | 34.29 | 25.05 | 0.148 |
| 193 | 27.10 | 24.72 | 23.37 | 35.86 | 27.82 | 0.178 |
| 194 | 26.99 | 24.39 | 23.11 | 35.63 | 27.42 | 0.191 |
| 195 | 26.78 | 24.23 | 22.43 | 35.19 | 25.93 | 0.166 |

Table 1. --*Summary of 1987 energy budget data--Continued*

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 183 | 1.68 | 2.26 | 2.61 | 364.9 | 751.2 |
| 184 | 1.35 | 1.70 | 2.14 | 104.1 | 791.0 |
| 185 | 2.14 | 2.67 | 3.06 | 399.5 | 797.0 |
| 186 | 3.89 | 4.27 | 4.78 | 692.2 | 755.2 |
| 187 | 1.73 | 2.18 | 2.68 | 393.8 | 774.8 |
| 188 | 1.21 | 1.69 | 2.05 | 360.2 | 796.0 |
| 189 | 1.64 | 2.62 | 2.87 | 494.4 | 839.0 |
| 190 | 1.78 | 1.98 | 2.32 | 528.7 | 864.0 |
| 191 | 1.83 | 2.32 | 2.84 | 539.1 | 856.0 |
| 192 | 1.39 | 2.09 | 2.51 | 555.2 | 863.0 |
| 193 | 1.39 | 2.16 | 2.51 | 420.7 | 896.0 |
| 194 | 1.02 | 1.63 | 2.08 | 224.9 | 916.0 |
| 195 | 2.25 | 3.38 | 3.81 | 234.5 | 899.0 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 196 | 25.24 | 17.11 | 13.47 | 32.13 | 13.03 | 0.256 |
| 197 | 24.29 | 16.04 | 12.04 | 30.36 | 11.41 | 0.262 |
| 198 | 24.10 | 17.91 | 13.87 | 30.01 | 13.17 | 0.221 |
| 199 | 24.64 | 21.76 | 18.39 | 31.00 | 18.90 | 0.143 |
| 200 | 24.27 | 20.12 | 16.01 | 30.32 | 15.46 | 0.168 |
| 201 | 23.45 | 17.35 | 16.45 | 28.86 | 18.11 | 0.342 |
| 202 | 23.51 | 20.77 | 19.13 | 28.97 | 21.05 | 0.209 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 196 | 5.54 | 6.15 | 6.62 | 637.9 | 697.0 |
| 197 | 2.57 | 2.99 | 3.44 | 606.2 | 677.7 |
| 198 | 2.08 | 2.42 | 2.90 | 636.2 | 703.3 |
| 199 | 2.59 | 3.09 | 3.54 | 587.2 | 807.0 |
| 200 | 4.20 | 4.67 | 5.14 | 455.8 | 751.8 |
| 201 | 1.17 | 1.40 | 1.82 | 115.3 | 813.0 |
| 202 | 2.19 | 2.59 | 3.03 | 277.9 | 842.0 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 203 | 24.22 | 21.65 | 18.93 | 30.23 | 20.06 | 0.152 |
| 204 | 24.97 | 22.27 | 19.01 | 31.62 | 19.81 | 0.138 |
| 205 | 25.61 | 24.42 | 21.42 | 32.84 | 23.51 | 0.077 |
| 206 | 25.94 | 23.34 | 21.48 | 33.49 | 24.36 | 0.172 |
| 207 | 25.46 | 22.06 | 18.06 | 32.55 | 18.05 | 0.141 |
| 208 | 24.49 | 17.49 | 14.52 | 30.72 | 14.56 | 0.261 |
| 209 | 24.25 | 15.96 | 12.13 | 30.28 | 11.61 | 0.267 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 203 | 1.82 | 2.43 | 2.82 | 469.6 | 810.0 |
| 204 | 1.42 | 1.87 | 2.23 | 624.1 | 784.0 |
| 205 | 2.26 | 2.79 | 3.23 | 550.4 | 807.0 |
| 206 | 1.44 | 1.75 | 2.22 | 336.5 | 785.2 |
| 207 | 3.78 | 4.41 | 4.84 | 465.4 | 737.9 |
| 208 | 3.13 | 3.75 | 4.20 | 533.1 | 672.9 |
| 209 | 3.60 | 4.14 | 4.61 | 680.8 | 625.2 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 210 | 23.92 | 15.14 | 11.65 | 29.69 | 11.39 | 0.289 |
| 211 | 23.65 | 17.08 | 14.62 | 29.21 | 15.00 | 0.279 |
| 212 | 23.35 | 17.38 | 12.70 | 28.69 | 11.58 | 0.210 |
| 213 | 23.05 | 15.28 | 11.54 | 28.17 | 11.13 | 0.275 |
| 214 | 23.21 | 17.59 | 14.36 | 28.45 | 14.22 | 0.238 |
| 215 | 23.26 | 19.96 | 19.14 | 28.53 | 21.61 | 0.287 |
| 216 | 24.26 | 22.32 | 19.76 | 30.30 | 21.32 | 0.130 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 210 | 2.47 | 3.01 | 3.47 | 661.7 | 607.4 |
| 211 | 1.97 | 2.45 | 2.90 | 431.9 | 693.8 |
| 212 | 4.78 | 5.42 | 5.92 | 599.6 | 617.5 |
| 213 | 3.33 | 3.83 | 4.32 | 659.5 | 588.6 |
| 214 | 2.15 | 3.10 | 3.44 | 599.6 | 646.9 |
| 215 | 1.77 | 2.09 | 2.49 | 179.7 | 738.3 |
| 216 | 1.64 | 2.22 | 2.71 | 578.6 | 8 {665.4 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 217 | 23.58 | 19.63 | 15.94 | 29.09 | 15.66 | 0.177 |
| 218 | 23.88 | 17.98 | 15.17 | 29.62 | 15.37 | 0.250 |
| 219 | 23.41 | 17.88 | 15.83 | 28.79 | 16.62 | 0.274 |
| 220 | 23.70 | 21.29 | 17.61 | 29.30 | 17.68 | 0.125 |
| 221 | 23.66 | 18.45 | 15.13 | 29.23 | 14.99 | 0.220 |
| 222 | 23.12 | 15.49 | 15.02 | 28.29 | 16.76 | 0.399 |
| 223 | 22.66 | 15.98 | 13.30 | 27.51 | 13.49 | 0.287 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 217 | 5.06 | 5.69 | 6.23 | 493.0 | 632.8 |
| 218 | 1.40 | 2.02 | 2.39 | 588.9 | 610.5 |
| 219 | 1.37 | 2.07 | 2.41 | 357.0 | 625.5 |
| 220 | 3.12 | 3.69 | 4.12 | 511.3 | 654.3 |
| 221 | 2.10 | 2.76 | 3.19 | 462.2 | 631.8 |
| 222 | 1.81 | 2.25 | 2.68 | 83.1 | 820.0 |
| 223 | 3.80 | 4.54 | 4.85 | 516.1 | 733.9 |

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Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 224 | 22.92 | 16.37 | 13.53 | 27.95 | 13.62 | 0.275 |
| 225 | 23.11 | 18.49 | 15.79 | 28.28 | 16.14 | 0.229 |
| 226 | 23.53 | 19.78 | 17.24 | 29.00 | 17.98 | 0.205 |
| 227 | 24.25 | 21.64 | 18.97 | 30.28 | 20.15 | 0.155 |
| 228 | 24.55 | 22.77 | 19.46 | 30.83 | 20.40 | 0.103 |
| 229 | 25.54 | 24.15 | 21.19 | 32.71 | 23.18 | 0.088 |
| 230 | 25.36 | 23.01 | 19.40 | 32.36 | 20.11 | 0.116 |
| 231 | 25.03 | 19.55 | 16.79 | 31.73 | 17.28 | 0.229 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 224 | 1.46 | 2.05 | 2.38 | 576.2 | 731.7 |
| 225 | 1.46 | 2.39 | 2.63 | 597.0 | 757.1 |
| 226 | 1.56 | 2.25 | 2.62 | 537.4 | 788.6 |
| 227 | 1.32 | 1.94 | 2.31 | 467.5 | 824.0 |
| 228 | 1.98 | 2.26 | 2.62 | 558.0 | 818.0 |
| 229 | 1.55 | 1.88 | 2.19 | 532.4 | 854.0 |
| 230 | 3.48 | 3.93 | 4.36 | 552.3 | 800.0 |
| 231 | 2.09 | 2.64 | 2.99 | 500.7 | 784.9 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 232 | 24.68 | 18.28 | 15.42 | 31.07 | 15.61 | 0.249 |
| 233 | 24.21 | 16.89 | 14.14 | 30.21 | 14.30 | 0.277 |
| 234 | 23.56 | 15.99 | 15.38 | 29.05 | 17.06 | 0.380 |
| 235 | 22.88 | 14.92 | 11.05 | 27.88 | 10.61 | 0.278 |
| 236 | 22.15 | 11.68 | 8.91 | 26.67 | 9.58 | 0.369 |
| 237 | 21.57 | 11.70 | 10.01 | 25.75 | 11.17 | 0.408 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 232 | 3.25 | 3.75 | 4.16 | 498.9 | 757.0 |
| 233 | 2.34 | 2.81 | 3.19 | 471.5 | 708.0 |
| 234 | 1.77 | 2.14 | 2.48 | 80.4 | 792.5 |
| 235 | 4.88 | 5.59 | 5.96 | 517.0 | 638.1 |
| 236 | 4.32 | 5.07 | 5.47 | 553.2 | 606.9 |
| 237 | 2.10 | 2.68 | 3.10 | 341.3 | 663.8 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 238 | 21.25 | 12.33 | 10.05 | 25.25 | 10.81 | 0.372 |
| 239 | 20.86 | 12.19 | 10.76 | 24.65 | 11.97 | 0.412 |
| 240 | 20.53 | 13.39 | 12.57 | 24.15 | 14.01 | 0.424 |
| 241 | 20.15 | 12.33 | 11.92 | 23.59 | 13.67 | 0.475 |
| 242 | 20.80 | 14.91 | 13.03 | 24.56 | 13.76 | 0.329 |
| 243 | 20.58 | 16.50 | 14.47 | 24.23 | 15.13 | 0.270 |
| 244 | 20.58 | 15.92 | 13.77 | 24.23 | 14.32 | 0.283 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 238 | 3.17 | 3.82 | 4.18 | 527.3 | 662.9 |
| 239 | 1.24 | 1.89 | 2.33 | 197.7 | 727.7 |
| 240 | 0.90 | 1.36 | 1.83 | 130.7 | 767.8 |
| 241 | 1.21 | 1.73 | 2.18 | 115.7 | 764.4 |
| 242 | 1.37 | 1.92 | 2.27 | 492.6 | 695.6 |
| 243 | 1.63 | 2.68 | 2.94 | 384.4 | 762.4 |
| 244 | 2.92 | 3.53 | 3.85 | 437.0 | 744.3 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 245 | 20.25 | 12.85 | 10.99 | 23.74 | 11.88 | 0.376 |
| 246 | 19.92 | 11.31 | 9.42 | 23.26 | 10.56 | 0.409 |
| 247 | 19.81 | 12.00 | 9.79 | 23.10 | 10.65 | 0.378 |
| 248 | 20.25 | 14.81 | 12.59 | 23.74 | 13.11 | 0.308 |
| 249 | 20.14 | 15.78 | 14.26 | 23.58 | 15.24 | 0.315 |
| 250 | 19.91 | 16.56 | 16.03 | 23.25 | 17.86 | 0.375 |
| 251 | 20.31 | 19.18 | 18.70 | 23.83 | 21.24 | 0.263 |
| 252 | 20.55 | 19.81 | 19.05 | 24.18 | 21.53 | 0.168 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 245 | 2.62 | 3.21 | 3.47 | 352.6 | 700.5 |
| 246 | 3.32 | 3.89 | 4.19 | 434.0 | 649.5 |
| 247 | 2.39 | 3.03 | 3.40 | 522.6 | 625.8 |
| 248 | 1.42 | 2.14 | 2.40 | 493.8 | 680.3 |
| 249 | 1.37 | 1.91 | 2.22 | 325.6 | 727.9 |
| 250 | 0.77 | 0.90 | 0.95 | 134.6 | 807.0 |
| 251 | 0.80 | 1.05 | 1.32 | 155.4 | 850.0 |
| 252 | 1.70 | 2.19 | 2.49 | 169.7 | 847.0 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 253 | 20.52 | 20.72 | 18.57 | 24.14 | 19.95 | -0.029 |
| 254 | 20.53 | 16.72 | 16.11 | 24.15 | 17.90 | 0.367 |
| 255 | 20.15 | 15.43 | 14.77 | 23.59 | 16.36 | 0.393 |
| 256 | 19.74 | 14.61 | 14.33 | 23.00 | 16.14 | 0.450 |
| 257 | 19.87 | 16.84 | 15.34 | 23.19 | 16.43 | 0.270 |
| 258 | 19.85 | 14.12 | 12.60 | 23.16 | 13.58 | 0.360 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 253 | 3.75 | 4.41 | 4.81 | 402.4 | 788.0 |
| 254 | 1.25 | 2.30 | 2.59 | 119.7 | 823.0 |
| 255 | 1.35 | 2.06 | 2.39 | 95.4 | 803.0 |
| 256 | 1.17 | 1.76 | 2.10 | 58.2 | 799.0 |
| 257 | 2.36 | 2.94 | 3.32 | 373.8 | 736.2 |
| 258 | 1.94 | 2.55 | 2.92 | 413.3 | 700.5 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 259 | 20.15 | 14.98 | 13.47 | 23.59 | 14.44 | 0.340 |
| 260 | 19.81 | 14.73 | 12.72 | 23.10 | 13.37 | 0.315 |
| 261 | 19.31 | 12.17 | 11.09 | 22.39 | 12.49 | 0.434 |
| 262 | 18.92 | 12.56 | 11.08 | 21.86 | 12.21 | 0.397 |
| 263 | 18.58 | 13.13 | 12.13 | 21.40 | 13.48 | 0.415 |
| 264 | 18.46 | 14.41 | 13.11 | 21.24 | 14.22 | 0.348 |
| 265 | 18.25 | 13.07 | 11.96 | 20.96 | 13.25 | 0.405 |
| 266 | 18.12 | 12.21 | 10.84 | 20.79 | 12.08 | 0.409 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 259 | 1.48 | 2.15 | 2.51 | 449.3 | 703.4 |
| 260 | 3.33 | 4.06 | 4.49 | 426.0 | 657.6 |
| 261 | 1.73 | 2.53 | 2.84 | 94.7 | 742.0 |
| 262 | 1.76 | 2.63 | 2.89 | 118.1 | 752.6 |
| 263 | 2.56 | 3.23 | 3.61 | 65.2 | 768.8 |
| 264 | 1.88 | 2.49 | 2.74 | 203.4 | 779.3 |
| 265 | 1.72 | 2.40 | 2.59 | 144.0 | 729.6 |
| 266 | 1.81 | 2.59 | 2.76 | 259.9 | 702.9 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 267 | 17.92 | 11.62 | 10.45 | 20.53 | 11.88 | 0.439 |
| 268 | 17.36 | 7.11 | 6.23 | 19.82 | 8.92 | 0.567 |
| 269 | 16.87 | 8.01 | 7.06 | 19.21 | 9.43 | 0.546 |
| 270 | 16.64 | 8.50 | 7.27 | 18.93 | 9.39 | 0.514 |
| 271 | 16.82 | 11.96 | 11.00 | 19.15 | 12.49 | 0.440 |
| 272 | 17.42 | 16.08 | 14.87 | 19.89 | 16.10 | 0.213 |
| 273 | 16.92 | 14.35 | 14.23 | 19.27 | 16.14 | 0.494 |
| 274 | 16.34 | 10.57 | 9.61 | 18.57 | 11.32 | 0.480 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 267 | 3.58 | 4.34 | 4.64 | 396.1 | 644.7 |
| 268 | 3.49 | 4.17 | 4.44 | 236.4 | 614.3 |
| 269 | 2.10 | 3.05 | 3.31 | 226.3 | 628.3 |
| 270 | 2.95 | 3.73 | 3.99 | 416.5 | 554.6 |
| 271 | 1.22 | 1.79 | 1.98 | 283.7 | 707.1 |
| 272 | 1.24 | 1.96 | 2.15 | 341.3 | 727.6 |
| 273 | 0.88 | 1.29 | 1.43 | 39.4 | 780.4 |
| 274 | 4.94 | 5.68 | 6.01 | 184.9 | 688.5 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 275 | 16.05 | 10.83 | 9.83 | 18.23 | 11.48 | 0.465 |
| 276 | 15.90 | 12.25 | 11.23 | 18.06 | 12.65 | 0.407 |
| 277 | 15.05 | 5.68 | 4.80 | 17.10 | 8.03 | 0.623 |
| 278 | 14.72 | 10.07 | 9.09 | 16.74 | 10.90 | 0.480 |
| 279 | 14.71 | 11.10 | 10.19 | 16.73 | 11.83 | 0.444 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 275 | 2.75 | 4.34 | 4.55 | 371.4 | 644.9 |
| 276 | 3.56 | 4.18 | 4.54 | 77.8 | 754.1 |
| 277 | 8.38 | 9.28 | 9.41 | 112.8 | 651.4 |
| 278 | 2.55 | 3.08 | 3.35 | 353.1 | 601.2 |
| 279 | 1.62 | 2.74 | 2.89 | 357.8 | 641.5 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 280 | 14.42 | 11.08 | 10.93 | 16.42 | 12.96 | 0.582 |
| 281 | 14.23 | 8.66 | 7.95 | 16.22 | 10.22 | 0.559 |
| 282 | 13.98 | 6.56 | 5.77 | 15.96 | 8.68 | 0.614 |
| 283 | 13.72 | 8.19 | 7.40 | 15.69 | 9.77 | 0.563 |
| 284 | 13.26 | 3.32 | 3.06 | 15.23 | 7.43 | 0.769 |
| 285 | 13.05 | 3.26 | 1.75 | 15.02 | 5.95 | 0.651 |
| 286 | 12.64 | 3.31 | 1.16 | 14.62 | 5.24 | 0.599 |
| 287 | 12.41 | 4.10 | 1.92 | 14.40 | 5.59 | 0.568 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 280 | 1.48 | 1.89 | 2.06 | 21.2 | 745.1 |
| 281 | 3.79 | 4.48 | 4.70 | 229.6 | 659.7 |
| 282 | 2.97 | 3.83 | 4.03 | 359.7 | 580.1 |
| 283 | 3.16 | 3.88 | 4.11 | 223.7 | 617.3 |
| 284 | 1.71 | 2.32 | 2.64 | 52.9 | 645.1 |
| 285 | 2.01 | 2.50 | 2.77 | 330.1 | 558.4 |
| 286 | 2.67 | 3.23 | 3.52 | 341.0 | 527.3 |
| 287 | 1.70 | 2.69 | 2.92 | 357.4 | 528.0 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 288 | 12.44 | 7.84 | 5.11 | 14.43 | 6.99 | 0.373 |
| 289 | 12.41 | 8.69 | 6.77 | 14.40 | 8.59 | 0.386 |
| 290 | 12.28 | 8.67 | 7.20 | 14.28 | 9.19 | 0.427 |
| 291 | 12.57 | 12.16 | 9.68 | 14.55 | 10.38 | 0.059 |
| 292 | 12.75 | 8.96 | 6.93 | 14.73 | 8.63 | 0.374 |
| 293 | 12.55 | 9.51 | 7.76 | 14.54 | 9.40 | 0.357 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 288 | 1.81 | 2.52 | 2.76 | 319.5 | 584.3 |
| 289 | 1.12 | 1.92 | 2.04 | 270.5 | 620.2 |
| 290 | 1.26 | 2.44 | 2.52 | 190.9 | 670.9 |
| 291 | 2.36 | 3.02 | 3.12 | 313.3 | 686.4 |
| 292 | 1.09 | 1.92 | 2.03 | 314.2 | 587.9 |
| 293 | 1.30 | 2.75 | 2.82 | 233.3 | 677.5 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 294 | 12.44 | 8.72 | 7.99 | 14.43 | 10.24 | 0.534 |
| 295 | 11.83 | 3.63 | 1.14 | 13.86 | 5.00 | 0.557 |
| 296 | 11.52 | 3.45 | 2.53 | 13.58 | 6.73 | 0.709 |
| 297 | 11.46 | 7.95 | 6.04 | 13.53 | 8.12 | 0.391 |
| 298 | 11.37 | 7.71 | 4.94 | 13.45 | 6.87 | 0.335 |
| 299 | 10.98 | 4.15 | 0.71 | 13.10 | 4.19 | 0.462 |
| 300 | 10.67 | 4.68 | 2.25 | 12.84 | 5.59 | 0.498 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 294 | 2.52 | 3.19 | 3.36 | 40.8 | 709.4 |
| 295 | 4.81 | 5.61 | 5.72 | 226.1 | 522.6 |
| 296 | 1.09 | 1.63 | 1.87 | 158.2 | 621.7 |
| 297 | 1.34 | 2.19 | 2.30 | 234.5 | 649.3 |
| 298 | 4.29 | 5.18 | 5.25 | 274.7 | 616.4 |
| 299 | 4.13 | 4.86 | 5.05 | 291.0 | 481.2 |
| 300 | 1.74 | 2.75 | 2.85 | 245.6 | 566.5 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 301 | 10.57 | 8.79 | 7.96 | 12.75 | 10.15 | 0.412 |
| 302 | 10.28 | 4.46 | 2.22 | 12.51 | 5.71 | 0.516 |
| 303 | 10.00 | 3.46 | 2.08 | 12.27 | 6.19 | 0.648 |
| 304 | 9.79 | 5.33 | 3.60 | 12.10 | 6.77 | 0.504 |
| 305 | 9.63 | 4.68 | 2.45 | 11.97 | 5.82 | 0.485 |
| 306 | 9.50 | 2.27 | 0.68 | 11.87 | 5.38 | 0.671 |
| 307 | 9.14 | 3.39 | 2.98 | 11.58 | 7.30 | 0.807 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 301 | 3.24 | 3.94 | 4.08 | 25.5 | 707.5 |
| 302 | 3.94 | 4.56 | 4.73 | 256.9 | 521.4 |
| 303 | 1.29 | 1.98 | 2.09 | 181.7 | 613.1 |
| 304 | 3.63 | 4.26 | 4.43 | 112.4 | 620.8 |
| 305 | 2.45 | 3.02 | 3.18 | 253.7 | 535.0 |
| 306 | 1.13 | 1.93 | 2.14 | 276.6 | 517.3 |
| 307 | 0.79 | 1.14 | 1.28 | 45.4 | 684.9 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 308 | 9.82 | 11.61 | 10.56 | 12.13 | 12.05 | -13.931 |
| 309 | 9.53 | 8.41 | 6.34 | 11.89 | 8.21 | 0.183 |
| 310 | 8.75 | -3.09 | -4.69 | 11.28 | 3.28 | 0.891 |
| 311 | 8.20 | -2.27 | -4.27 | 10.87 | 3.16 | 0.818 |
| 312 | 7.78 | -0.59 | 9 -1.79 | 10.56 | 4.58 | 0.843 |
| 313 | 7.69 | 4.69 | 3.04 | 10.50 | 6.52 | 0.454 |
| 314 | 7.37 | 0.74 | -1.26 | 10.27 | 4.27 | 0.666 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 308 | 1.14 | 1.59 | 1.68 | 166.1 | 719.9 |
| 309 | 3.66 | 4.25 | 4.37 | 136.4 | 615.2 |
| 310 | 5.66 | 6.33 | 6.58 | 115.3 | 572.2 |
| 311 | 3.11 | 3.67 | 3.81 | 224.6 | 504.7 |
| 312 | 1.05 | 1.54 | 1.72 | 69.8 | 597.6 |
| 313 | 3.35 | 3.89 | 4.18 | 82.5 | 667.8 |
| 314 | 5.56 | 6.07 | 6.25 | 48.3 | 614.0 |

Table 1. --*Summary of 1987 energy budget data--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) | ATMOSPHERIC VAPOR PRESSURE (mb) | BOWEN RATIO |
| 315 | 6.92 | -0.78 | 9 {-1.28 | 9.96 | 5.24 | 0.983 |
| 316 | 6.46 | -0.34 | -2.64 | 9.65 | 3.54 | 0.670 |
| 317 | 6.07 | 3.06 | 1.47 | 9.40 | 5.76 | 0.500 |
| 318 | 5.89 | 3.27 | 2.22 | 9.28 | 6.48 | 0.564 |
| 319 | 5.74 | 2.53 | 0.30 | 9.18 | 4.79 | 0.440 |
| 320 | 5.59 | 0.51 | -0.55 | 9.08 | 5.18 | 0.783 |
| 321 | 5.45 | 1.80 | 1.62 | 9.00 | 6.75 | 0.980 |
| 322 | 5.83 | 9.85 | 7.43 | 9.24 | 8.72 | -4.678 |
| 323 | 5.62 | 3.37 | 1.13 | 9.10 | 5.16 | 0.343 |

| 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) | SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | LONG-WAVE ATMOS. RADIATION [(cal/cm²)/d] |
| 315 | 2.05 | 3.58 | 3.64 | 72.0 | 614.5 |
| 316 | 7.99 | 8.83 | 9.09 | 112.0 | 545.4 |
| 317 | 2.96 | 3.46 | 3.66 | 117.1 | 602.0 |
| 318 | 2.74 | 3.26 | 3.53 | 78.9 | 637.1 |
| 319 | 4.44 | 5.11 | 5.24 | 212.0 | 489.2 |
| 320 | 1.01 | 1.58 | 1.77 | 205.5 | 513.0 |
| 321 | 0.79 | 0.99 | 1.13 | 27.9 | 672.2 |
| 322 | 2.72 | 3.49 | 3.66 | 122.5 | 671.7 |
| 323 | 3.02 | 3.73 | 3.91 | 162.8 | 517.7 |

Footnotes to table 1:

1. Measured at 2 meters above water surface.

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

3. Height above water surface.

4. Interpolated 2 hours.

5. Missing 10 hours, used a plot of trends before and after the 10-hour period to fill in missing data.

6. Interpolated 1 hour.

7. Missing 11 hours, used a plot of trends before and after the 11-hour period, to fill in missing data

8. Calculated long-wave radiation using Brunt's equation:

Long-wave radiation $= s \cdot T^4 (c+d\sqrt{e_a})$

where s = Stefan-Boltzmann constant, $5.6697 \times 10^{-5}$ erg per square centimeter per second $(°K)^{-4}$

T = air temperature, Kelvin

c = constant (determined graphically)

d = 0.0263

$e_a$ = vapor pressure of air, in millibars

9. Calculated wet-bulb temperature by using relative humidity data from the hygrothermograph and the psychrometric tables.

Table 2. --*Summary of 1987 temperature data at the raft station*
[C, degrees Celsius; h, hour; blank, no data;]

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 106 | 8.84 | 7.34 | 10.53 | 1128 | 3.49 | 0454 | 5.20 |
| 107 | 9.04 | 8.13 | 10.95 | 1234 | 5.34 | 0232 | 7.26 |
| 108 | 10.37 | 12.72 | 18.28 | 1623 | 8.44 | 0127 | 11.64 |
| 109 | 12.63 | 15.81 | 23.49 | 1617 | 9.43 | 0242 | 13.27 |
| 110 | 13.88 | 16.16 | 23.15 | 1211 | 9.03 | 0511 | 13.13 |
| 111 | 15.66 | 17.89 | 26.62 | 1652 | 12.41 | 0547 | 14.56 |
| 112 | 15.10 | 12.33 | 18.30 | 1428 | 4.78 | 2354 | 6.94 |
| 113 | 14.03 | 6.88 | 10.64 | 1419 | 1.18 | 0457 | 5.11 |
| 114 | 13.12 | 8.20 | 11.79 | 0808 | 3.14 | 2354 | 6.06 |
| 115 | 12.35 | 7.64 | 15.04 | 1537 | -0.86 | 0527 | 2.74 |
| 116 | 12.36 | 7.42 | 14.98 | 1613 | -0.56 | 0445 | 2.48 |
| 117 | 12.33 | 5.69 | 12.32 | 1307 | -1.33 | 0437 | 1.68 |
| 118 | 11.36 | 1.90 | 3.92 | 1112 | 0.33 | 1944 | 0.50 |
| 119 | 10.43 | 3.28 | 6.72 | 1602 | 0.34 | 0416 | 2.13 |
| 120 | 9.84 | 4.36 | | | | | 2.45 |
| 121 | 9.87 | 6.01 | 10.29 | 1515 | 0.88 | 0504 | 2.95 |
| 122 | 10.29 | 8.45 | 16.64 | 1624 | -0.73 | 0505 | 4.32 |
| 123 | 10.31 | 8.41 | 13.02 | 1354 | -0.38 | 0449 | 3.16 |
| 124 | 10.48 | 8.43 | 13.91 | 1602 | -0.02 | 0434 | 4.14 |
| 125 | 10.51 | 7.03 | 8.33 | 1209 | 5.58 | 0553 | 5.97 |
| 126 | 11.21 | 10.25 | 15.89 | 1206 | 6.60 | 0127 | 8.90 |
| 127 | 12.16 | 11.21 | 16.75 | 1412 | 4.60 | 0000 | 7.70 |
| 128 | 12.40 | 9.23 | 17.88 | 1712 | -0.20 | 0353 | 4.63 |
| 129 | 12.71 | 10.38 | 19.73 | 1744 | 0.76 | 0502 | 7.05 |
| 130 | 13.15 | 15.81 | 23.73 | 1342 | 6.00 | 0447 | 9.65 |
| 131 | 13.68 | 13.94 | 22.91 | 1641 | 4.38 | 0444 | 11.49 |
| 132 | 13.85 | 11.91 | 17.04 | 0859 | 6.87 | 2220 | 10.23 |
| 133 | 13.83 | 10.86 | | | | | 8.35 |
| 134 | 14.40 | 12.70 | 22.13 | 1632 | 1.59 | 0450 | 7.13 |
| 135 | 14.43 | 8.88 | 14.12 | 1035 | 5.03 | 2346 | 7.04 |

Table 2. --*Summary of 1987 temperature data at the raft station--Continued*

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 136 | 13.96 | 10.00 | 17.88 | 1714 | 3.03 | 0440 | 4.73 |
| 137 | 14.10 | 14.22 | 18.50 | 1038 | 7.70 | 0434 | 10.53 |
| 138 | 14.15 | 13.03 | 16.39 | 1408 | 5.68 | 2358 | 8.61 |
| 139 | | | | | | | |
| 140 | 14.78 | 9.74 | 16.03 | 1624 | 2.18 | 0437 | 5.80 |
| 141 | 15.13 | 12.29 | 18.58 | 1410 | 2.35 | 0328 | 9.99 |
| 142 | 17.03 | 19.10 | 26.43 | 1612 | 12.16 | 0453 | 15.93 |
| 143 | 17.17 | 14.53 | 20.67 | 0130 | 8.12 | 2353 | 13.32 |
| 144 | 15.59 | 9.00 | 12.23 | 1454 | 7.41 | 0301 | 8.30 |
| 145 | 15.58 | 11.83 | 16.45 | 1337 | 7.83 | 0452 | 10.63 |
| 146 | | | | | | | |
| 147 | | | | | | | |
| 148 | 18.14 | 18.64 | 27.30 | 1629 | 12.57 | 0009 | 16.49 |
| 149 | 19.63 | 22.08 | 28.06 | 1435 | 17.38 | 0451 | 19.37 |
| 150 | 21.75 | 22.09 | 29.95 | 1542 | 17.23 | 0254 | 19.56 |
| 151 | 22.40 | 22.13 | 30.36 | 1251 | 16.53 | 0414 | 19.20 |
| 152 | 22.88 | 21.21 | 26.76 | 1343 | 17.52 | 2350 | 18.61 |
| 153 | 22.15 | 17.06 | 21.70 | 0755 | 13.74 | 2249 | 16.25 |
| 154 | | | | | | | |
| 155 | 20.15 | 12.54 | | | | | 11.92 |
| 156 | 20.39 | 17.06 | | | | | 13.80 |
| 157 | 19.65 | 13.33 | | | | | 8.56 |
| 158 | 19.26 | 12.17 | | | | | 8.90 |
| 159 | 18.93 | 14.44 | | | | | 13.84 |
| 160 | 18.64 | 15.19 | | | | | 13.29 |
| 161 | 18.00 | 14.69 | 18.51 | 1403 | 8.92 | 2337 | 10.23 |
| 162 | 18.21 | 15.53 | 22.52 | 1255 | 6.33 | 0500 | 11.01 |
| 163 | 18.14 | 14.22 | 16.95 | 1810 | 11.97 | 0518 | 13.80 |
| 164 | 19.48 | 18.75 | 25.39 | 1127 | 14.93 | 0053 | 17.61 |
| 165 | 20.35 | 19.74 | 25.54 | 1600 | 15.69 | 0428 | 16.75 |
| 166 | 21.08 | 21.82 | 25.55 | 1534 | 15.62 | 0049 | 15.67 |
| 167 | 20.84 | 18.67 | | | | | 13.14 |
| 168 | 20.28 | 16.29 | 21.01 | 1711 | 11.47 | 2351 | 11.64 |

Table 2. --*Summary of 1987 temperature data at the raft station--Continued*

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 169 | 20.66 | 17.12 | 25.45 | 1548 | 8.33 | 0430 | 13.05 |
| 170 | 21.64 | 19.58 | 27.74 | 1603 | 11.01 | 0430 | 16.29 |
| 171 | 21.39 | 19.28 | 24.20 | 1519 | 10.64 | 2350 | 13.88 |
| 172 | 21.84 | 18.18 | 25.85 | 1511 | 7.50 | 0427 | 14.18 |
| 173 | 21.98 | 18.65 | 21.92 | 0909 | | | 17.77 |
| 174 | | | | | | | |
| 175 | 22.86 | 20.71 | 29.38 | 1511 | 12.42 | 0430 | 17.29 |
| 176 | 22.28 | 16.17 | 19.48 | 0628 | 10.52 | 2343 | 14.34 |
| 177 | 21.24 | 13.85 | 16.74 | 1346 | 9.82 | 0159 | 12.71 |
| 178 | 20.80 | 15.63 | 16.68 | 1657 | 14.38 | 0557 | 15.16 |
| 179 | 20.89 | 16.59 | 20.94 | 1231 | 11.22 | 2328 | 14.30 |
| 180 | 21.44 | 18.45 | 25.95 | 1715 | 9.98 | 0148 | 15.20 |
| 181 | 22.02 | 20.75 | 27.50 | 1327 | 15.47 | 2355 | 17.73 |
| 182 | 21.80 | 18.16 | 23.87 | 1719 | 13.25 | 0501 | 14.95 |
| 183 | 21.66 | 17.00 | 22.12 | 1125 | 10.82 | 0425 | 14.68 |
| 184 | 21.16 | 14.92 | 16.27 | 1511 | 13.78 | 1009 | 14.16 |
| 185 | 21.42 | 18.15 | 25.85 | 1445 | 14.43 | 0144 | 16.75 |
| 186 | 21.96 | 21.13 | 27.00 | 1701 | 15.95 | 0002 | 16.84 |
| 187 | 22.68 | 20.37 | 26.06 | 1537 | 14.02 | 0418 | 18.03 |
| 188 | 22.43 | 19.16 | 23.35 | 1511 | 15.24 | 0401 | 16.82 |
| 189 | 23.15 | 21.17 | 25.58 | 1405 | 16.61 | 0308 | 19.19 |
| 190 | 24.96 | 24.43 | 30.64 | 1455 | 20.25 | 2357 | 21.86 |
| 191 | 25.71 | 23.71 | 31.46 | 1325 | 18.85 | 0436 | 21.33 |
| 192 | 26.34 | 24.07 | 30.36 | 1455 | 18.01 | 0436 | 22.00 |
| 193 | 27.10 | 24.72 | 29.17 | 1326 | 22.80 | 0415 | 23.37 |
| 194 | 26.99 | 24.39 | 26.89 | 1051 | 22.74 | 0441 | 23.11 |
| 195 | 26.78 | 24.23 | 27.53 | 1203 | 19.72 | 2350 | 22.43 |
| 196 | 25.24 | 17.11 | 20.73 | 0027 | 11.14 | 2347 | 13.47 |
| 197 | 24.29 | 16.04 | 22.57 | 1653 | 8.67 | 0439 | 12.04 |
| 198 | 24.10 | 17.91 | 25.11 | 1609 | 9.44 | 0445 | 13.87 |
| 199 | 24.64 | 21.76 | 29.40 | 1435 | 12.40 | 0338 | 18.39 |
| 200 | 24.27 | 20.12 | 24.47 | 1511 | 14.28 | 2351 | 16.01 |
| 201 | 23.45 | 17.35 | 20.92 | 0836 | 14.06 | 0040 | 16.45 |

Table 2. --*Summary of 1987 temperature data at the raft station--Continued*

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 202 | 23.57 | 21.42 | 24.23 | 1758 | 18.07 | 2150 | 19.11 |
| 203 | 24.22 | 21.65 | 29.17 | 1453 | 16.82 | 2357 | 18.93 |
| 204 | 24.97 | 22.27 | 30.41 | 1509 | 14.76 | 0443 | 19.01 |
| 205 | 25.61 | 24.42 | 31.74 | 1509 | 18.01 | 0455 | 21.42 |
| 206 | 25.94 | 23.34 | 28.64 | 1201 | 19.85 | 0457 | 21.48 |
| 207 | 25.46 | 22.06 | 27.75 | 1541 | 17.55 | 2356 | 18.06 |
| 208 | 24.49 | 17.49 | 23.94 | 1304 | 11.86 | 0447 | 14.52 |
| 209 | 24.25 | 15.96 | 14.48 | 1705 | | | 12.13 |
| 210 | 23.92 | 15.14 | 17.08 | 1723 | | | 11.65 |
| 211 | 23.65 | 17.08 | 20.15 | 1625 | | | 14.62 |
| 212 | 23.35 | 17.38 | 14.50 | 0003 | | | 12.70 |
| 213 | 23.05 | 15.28 | 15.36 | 1717 | | | 11.54 |
| 214 | 23.21 | 17.59 | 18.98 | 1726 | | | 14.36 |
| 215 | 23.26 | 19.96 | 23.70 | 1631 | | | 19.14 |
| 216 | 25.22 | 23.16 | 29.17 | 1500 | 20.59 | 2139 | 21.29 |
| 217 | 23.58 | 19.63 | 22.88 | 1335 | 14.40 | 2337 | 15.94 |
| 218 | 23.88 | 17.98 | 24.78 | 1313 | 11.40 | 0449 | 15.17 |
| 219 | 23.41 | 17.88 | 23.52 | 1657 | 12.47 | 0526 | 15.83 |
| 220 | 23.70 | 21.29 | 27.30 | 1407 | 15.65 | 0515 | 17.61 |
| 221 | 23.66 | 18.45 | 24.29 | 1331 | 12.94 | 0502 | 15.13 |
| 222 | 23.12 | 15.49 | 17.39 | 1246 | 12.34 | 2343 | 15.02 |
| 223 | 22.66 | 15.98 | 20.75 | 1649 | 10.56 | 0331 | 13.30 |
| 224 | 22.92 | 16.37 | 23.94 | 1610 | 7.71 | 0421 | 13.53 |
| 225 | 23.11 | 18.49 | 25.17 | 1656 | 11.40 | 0453 | 15.79 |
| 226 | 23.53 | 19.78 | 27.66 | 1533 | 12.46 | 0426 | 17.24 |
| 227 | 24.25 | 21.64 | 29.23 | 1522 | 15.95 | 0514 | 18.97 |
| 228 | 24.55 | 22.77 | 31.00 | 1542 | 15.71 | 0439 | 19.46 |
| 229 | 25.54 | 24.15 | 31.98 | 1510 | 17.67 | 0508 | 21.19 |
| 230 | 25.36 | 23.01 | 28.19 | 1215 | 16.41 | 2358 | 19.40 |
| 231 | 25.03 | 19.55 | 27.41 | 1422 | 13.64 | 0355 | 16.79 |
| 232 | 24.68 | 18.28 | 23.93 | 1517 | 13.16 | 0529 | 15.42 |
| 233 | 24.21 | 16.89 | 24.25 | 1425 | 10.92 | 0445 | 14.14 |
| 234 | 23.56 | 15.99 | 20.95 | 2028 | 11.34 | 0321 | 15.38 |

Table 2. --*Summary of 1987 temperature data at the raft station--Continued*

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 235 | 22.88 | 14.92 | 19.58 | 1702 | 7.89 | 2332 | 11.05 |
| 236 | 22.15 | 11.68 | 17.57 | 1640 | 4.81 | 0532 | 8.91 |
| 237 | 21.57 | 11.70 | 19.07 | 1508 | 2.96 | 0512 | 10.01 |
| 238 | 21.25 | 12.33 | 18.76 | 1506 | 5.93 | 0417 | 10.05 |
| 239 | 20.86 | 12.19 | 16.04 | 1350 | 7.48 | 0324 | 10.76 |
| 240 | 20.53 | 13.39 | 16.10 | 1301 | 11.94 | 2322 | 12.57 |
| 241 | 20.15 | 12.33 | 14.80 | 1517 | 10.56 | 2343 | 11.92 |
| 242 | 20.80 | 14.91 | 23.77 | 1443 | 6.89 | 0600 | 13.03 |
| 243 | 20.58 | 16.50 | 23.42 | 1508 | 8.91 | 0519 | 14.47 |
| 244 | 20.58 | 15.92 | 19.10 | 0950 | 11.40 | 0000 | 13.77 |
| 245 | 20.25 | 12.85 | 17.56 | 1615 | 8.32 | 0535 | 10.99 |
| 246 | 19.92 | 11.31 | 16.98 | 1457 | 5.52 | 0550 | 9.42 |
| 247 | 19.81 | 12.00 | 20.41 | 1551 | 2.97 | 0602 | 9.79 |
| 248 | 20.25 | 14.81 | 24.34 | 1234 | 5.65 | 0520 | 12.59 |
| 249 | 20.14 | 15.78 | 24.18 | 1542 | 9.75 | 0519 | 14.26 |
| 250 | 19.91 | 16.56 | 21.36 | 1518 | 11.99 | 0230 | 16.03 |
| 251 | 20.31 | 19.18 | 23.28 | 0948 | 16.14 | 0539 | 18.70 |
| 252 | 20.55 | 19.81 | 23.65 | 1548 | 17.13 | 2359 | 19.05 |
| 245 | 20.25 | 12.85 | 17.56 | 1615 | 8.32 | 0535 | 10.99 |
| 246 | 19.92 | 11.31 | 16.98 | 1457 | 5.52 | 0550 | 9.42 |
| 247 | 19.81 | 12.00 | 20.41 | 1551 | 2.97 | 0602 | 9.79 |
| 248 | 20.25 | 14.81 | 24.34 | 1234 | 5.65 | 0520 | 12.59 |
| 249 | 20.14 | 15.78 | 24.18 | 1542 | 9.75 | 0519 | 14.26 |
| 250 | 19.91 | 16.56 | 21.36 | 1518 | 11.99 | 0230 | 16.03 |
| 251 | 20.31 | 19.18 | 23.28 | 0948 | 16.14 | 0539 | 18.70 |
| 252 | 20.55 | 19.81 | 23.65 | 1548 | 17.13 | 2359 | 19.05 |
| 253 | 20.52 | 20.72 | 25.12 | 1427 | 16.13 | 0200 | 18.57 |
| 254 | 20.53 | 16.72 | 18.04 | 1104 | 15.48 | 2212 | 16.11 |
| 255 | 20.15 | 15.43 | 17.04 | 0858 | 13.12 | 2353 | 14.77 |
| 256 | 19.74 | 14.61 | 15.75 | 1038 | 13.06 | 0037 | 14.33 |
| 257 | 19.87 | 16.84 | 22.65 | 1404 | 10.34 | 2353 | 15.34 |
| 258 | 19.85 | 14.12 | 21.35 | 1535 | 7.24 | 0554 | 12.60 |
| 259 | 20.15 | 14.98 | 24.42 | 1544 | 7.42 | 0551 | 13.47 |

Table 2. --*Summary of 1987 temperature data at the raft station--Continued*

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 260 | 19.81 | 14.73 | 19.75 | 1603 | 8.49 | 2353 | 12.72 |
| 261 | 19.31 | 12.17 | 15.10 | 1406 | 8.61 | 0034 | 11.09 |
| 262 | 18.92 | 12.56 | 13.90 | 1314 | 11.47 | 0551 | 11.08 |
| 263 | 18.58 | 13.13 | 14.38 | 2145 | 11.70 | 0640 | 12.13 |
| 264 | 18.46 | 14.41 | 17.45 | 1152 | 12.00 | 0613 | 13.11 |
| 265 | 18.25 | 13.07 | 16.74 | 1517 | 7.95 | 2354 | 11.96 |
| 266 | 18.12 | 12.21 | 17.46 | 1155 | 5.05 | 0623 | 10.84 |
| 267 | 17.92 | 11.62 | 15.79 | 1652 | 4.51 | 2327 | 10.45 |
| 268 | 17.36 | 7.11 | 10.41 | 1203 | 3.15 | 0537 | 6.23 |
| 269 | 16.87 | 8.01 | 15.12 | 1220 | 0.29 | 0604 | 7.06 |
| 270 | 16.64 | 8.50 | 16.21 | 1604 | 2.56 | 2334 | 7.27 |
| 271 | 16.82 | 11.96 | 22.43 | 1442 | 2.38 | 0112 | 11.00 |
| 272 | 17.42 | 16.08 | 25.69 | 1226 | 10.04 | 0325 | 14.87 |
| 273 | 16.92 | 14.35 | 16.74 | 1337 | 12.42 | 0232 | 14.23 |
| 274 | 16.34 | 10.57 | 13.39 | 0511 | 5.71 | 2358 | 9.61 |
| 275 | 16.05 | 10.83 | 18.59 | 1551 | 1.48 | 0703 | 9.83 |
| 276 | 15.90 | 12.25 | 16.17 | 1505 | 6.23 | 2315 | 11.23 |
| 277 | 15.05 | 5.68 | 8.58 | 0713 | 2.73 | 2210 | 4.80 |
| 278 | 14.72 | 10.07 | 19.18 | 1445 | 1.01 | 0630 | 9.09 |
| 279 | 14.71 | 11.10 | 20.18 | 1511 | 2.73 | 0633 | 10.19 |
| 280 | 14.42 | 11.08 | 13.50 | 1620 | 6.72 | 0306 | 10.93 |
| 281 | 14.23 | 8.66 | 13.03 | 1325 | 4.11 | 2354 | 7.95 |
| 282 | 13.98 | 6.56 | 12.26 | 1535 | 1.91 | 0531 | 5.77 |
| 283 | 13.72 | 8.19 | 14.87 | 1522 | 1.73 | 0643 | 7.40 |
| 284 | 13.26 | 3.32 | 6.62 | 0023 | 0.47 | 2359 | 3.06 |
| 285 | 13.05 | 3.26 | 9.04 | 1311 | -1.72 | 0546 | 1.75 |
| 286 | 12.64 | 3.31 | 10.77 | 1552 | -2.79 | 0602 | 1.16 |
| 287 | 12.41 | 4.10 | 13.56 | 1607 | -2.67 | 0550 | 1.92 |
| 288 | 12.44 | 7.84 | 19.37 | 1415 | -1.30 | 0534 | 5.11 |
| 289 | 12.41 | 8.69 | 17.16 | 1541 | 2.26 | 0633 | 6.77 |
| 290 | 12.28 | 8.67 | 15.12 | 1443 | 2.26 | 0623 | 7.20 |
| 291 | 12.57 | 12.16 | 17.68 | 1537 | 8.38 | 2210 | 9.68 |
| 292 | 12.75 | 8.96 | 16.92 | 1534 | 2.14 | 0632 | 6.93 |

Table 2. --*Summary of 1987 temperature data at the raft station--Continued*

| JULIAN DAY | DAILY AVERAGE LAKE-SURFACE WATER TEMPERATURE (C) | DAILY AVERAGE DRY-BULB AIR TEMPERATURE (C) | DAILY MAXIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MAXIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY MINIMUM DRY-BULB AIR TEMPERATURE (C) | TIME OF MINIMUM DRY-BULB AIR TEMPERATURE (h) | DAILY AVERAGE WET-BULB AIR TEMPERATURE (C) |
|---|---|---|---|---|---|---|---|
| 293 | 12.55 | 9.51 | 15.52 | 1502 | 3.39 | 0351 | 7.76 |
| 294 | 12.44 | 8.72 | 11.91 | 0933 | 4.82 | 2234 | 7.99 |
| 295 | 11.83 | 3.63 | 7.26 | 1518 | -1.30 | 2331 | 1.13 |
| 296 | 11.52 | 3.45 | 10.97 | 1449 | -2.13 | 0127 | 2.53 |
| 297 | 11.46 | 7.95 | 17.26 | 1448 | 0.00 | 0505 | 6.04 |
| 298 | 11.37 | 7.71 | 10.76 | 1409 | 2.86 | 2345 | 4.94 |
| 299 | 10.98 | 4.15 | 12.68 | 1509 | -2.07 | 2355 | 0.71 |
| 300 | 10.67 | 4.68 | 12.15 | 1357 | -4.10 | 0611 | 2.25 |
| 301 | 10.57 | 8.79 | 11.25 | 1243 | 6.07 | 2355 | 7.96 |
| 302 | 10.28 | 4.46 | 8.74 | 1535 | -1.06 | 2353 | 2.22 |
| 303 | 10.00 | 3.46 | 8.76 | 1427 | -3.21 | 0652 | 2.08 |
| 304 | 9.79 | 5.33 | 8.27 | 1515 | 2.56 | 2041 | 3.60 |
| 305 | 9.63 | 4.68 | 11.07 | 1433 | -0.41 | 2356 | 2.45 |
| 306 | 9.50 | 2.28 | 11.72 | 1514 | -2.55 | 0446 | 0.68 |
| 307 | 9.14 | 3.39 | 6.91 | 2345 | -1.83 | 0034 | 2.98 |
| 308 | 9.82 | 11.61 | 20.89 | 1403 | 6.25 | 0654 | 10.56 |
| 309 | 9.53 | 8.41 | 14.85 | 0930 | 0.36 | 2310 | 6.34 |
| 310 | 8.75 | -3.09 | 2.65 | 0133 | -5.00 | 2128 | |
| 311 | 8.20 | -2.27 | 2.87 | 1447 | -5.71 | 0109 | |
| 312 | 7.78 | -0.59 | 2.70 | 1541 | -5.23 | 0313 | |
| 313 | 7.69 | 4.69 | 11.60 | 1228 | 1.56 | 0103 | |
| 314 | 7.37 | 0.74 | 3.16 | 0004 | -2.73 | 2257 | |
| 315 | 6.92 | -0.78 | 1.63 | 1913 | -2.85 | 0127 | |
| 316 | 6.46 | -0.34 | 2.23 | 1523 | -2.55 | 0932 | |
| 317 | 6.07 | 3.06 | 7.87 | 1419 | -1.00 | 2203 | 1.47 |
| 318 | 5.89 | 3.27 | 9.33 | 1334 | -0.64 | 0106 | 2.22 |
| 319 | 5.74 | 2.53 | 5.95 | 1345 | -2.55 | 2336 | 0.30 |
| 320 | 5.59 | 0.51 | 7.98 | 1522 | -4.28 | 0639 | -0.55 |
| 321 | 5.45 | 1.80 | 4.78 | 2351 | -2.37 | 0035 | 1.62 |
| 322 | 5.83 | 9.85 | 16.02 | 1129 | 4.78 | 0001 | 7.43 |
| 323 | 5.62 | 3.37 | 8.70 | 1435 | -2.60 | 2350 | 1.13 |

Table 3. --*Summary of 1987 wind-speed data at the raft station*
[m, meters; mi/h, miles per hour; h, hour; blank, no data;]

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 1 | 106 | 1.58 | 12.40 | 0918 | 0.68 | 0625 |
| 1 | 107 | 1.03 | 7.18 | 1110 | 0.68 | 0420 |
| 1 | 108 | 1.13 | 9.90 | 1242 | 0.68 | 0133 |
| 1 | 109 | 1.43 | 10.98 | 1102 | 0.68 | 0446 |
| 1 | 110 | 2.10 | 20.32 | 1023 | 0.68 | 0408 |
| 1 | 111 | 2.12 | 21.56 | 2356 | 0.68 | 0207 |
| 1 | 112 | 4.13 | 25.30 | 0312 | 0.68 | 0000 |
| 1 | 113 | 1.85 | 14.21 | 1053 | 0.68 | 1540 |
| 1 | 114 | 3.65 | 22.22 | 1325 | 0.68 | 2219 |
| 1 | 115 | 2.89 | 16.03 | 1346 | 0.68 | 0602 |
| 1 | 116 | 2.90 | 19.13 | 1409 | 0.68 | 0527 |
| 1 | 117 | 3.00 | 20.83 | 1506 | 0.68 | 0503 |
| 1 | 118 | 2.68 | 13.70 | 0734 | 0.68 | 0233 |
| 1 | 119 | 3.28 | 18.64 | 0908 | 0.68 | 0414 |
| 1 | 120 | 5.34 | | | | |
| 1 | 121 | 4.63 | 20.84 | 1503 | 0.68 | 0146 |
| 1 | 122 | 3.27 | 24.80 | 1901 | 0.68 | 0421 |
| 1 | 123 | 3.12 | 22.67 | 1841 | 0.68 | 0536 |
| 1 | 124 | 1.94 | 14.40 | 1016 | 0.68 | 0547 |
| 1 | 125 | 1.73 | 18.38 | 1019 | 0.68 | 0600 |
| 1 | 126 | 1.82 | 14.67 | 1505 | 0.68 | 0544 |
| 1 | 127 | 3.62 | 21.44 | 2116 | 0.68 | 0539 |
| 1 | 128 | 2.13 | 17.20 | 1411 | 0.68 | 0534 |
| 1 | 129 | 1.60 | 12.04 | 1139 | 0.68 | 1719 |
| 1 | 130 | 5.19 | 28.80 | 1138 | 0.68 | 0431 |
| 1 | 131 | 1.78 | 14.25 | 0948 | 0.68 | 0454 |
| 1 | 132 | 4.44 | 27.11 | 1412 | 0.68 | 0404 |
| 1 | 133 | 2.80 | | | | |
| 1 | 134 | 2.38 | 17.32 | 1024 | 0.68 | 0505 |
| 1 | 135 | 5.33 | 37.12 | 1207 | 0.68 | 0347 |
| 1 | 136 | 5.31 | 26.18 | 0436 | 0.68 | 0848 |
| 1 | 137 | 2.98 | 15.35 | 2041 | 0.68 | 0424 |
| 1 | 138 | 3.17 | 14.36 | 1457 | 0.68 | 2237 |
| 1 | 139 | | | | | |
| 1 | 140 | 1.88 | 12.48 | 1440 | 0.68 | 0419 |
| 1 | 141 | 1.45 | 11.69 | 1209 | 0.68 | 0505 |
| 1 | 142 | 1.51 | 12.95 | 1456 | 0.68 | 0521 |
| 1 | 143 | 2.18 | 17.63 | 0130 | 0.68 | 2130 |
| 1 | 144 | 1.29 | 9.85 | 1052 | 0.68 | 1718 |
| 1 | 145 | 0.96 | 6.78 | 1015 | 0.68 | 0033 |
| 1 | 146 | | | | | |
| 1 | 147 | | | | | |
| 1 | 148 | 1.97 | 26.67 | 2036 | 0.68 | 0106 |
| 1 | 149 | 2.57 | 14.64 | 1436 | 0.68 | 0040 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 1 | 150 | 1.62 | 16.94 | 1218 | 0.68 | 0417 |
| 1 | 151 | 2.53 | 37.06 | 1719 | 0.68 | 0351 |
| 1 | 152 | 3.05 | 19.12 | 0456 | 0.68 | 0248 |
| 1 | 153 | 1.25 | 6.95 | 1543 | 0.68 | 2211 |
| 1 | 154 | | | | | |
| 1 | 155 | 1.30 | | | | |
| 1 | 156 | 2.49 | | | | |
| 1 | 157 | 5.60 | | | | |
| 1 | 158 | 1.91 | | | | |
| 1 | 159 | 1.16 | | | | |
| 1 | 160 | 4.14 | | | | |
| 1 | 161 | 7.09 | 23.52 | 0944 | 0.68 | 2334 |
| 1 | 162 | 2.52 | 25.80 | 1109 | 0.68 | 0531 |
| 1 | 163 | 0.87 | 4.76 | 0017 | 0.68 | 0502 |
| 1 | 164 | 1.22 | 16.82 | 1301 | 0.68 | 0248 |
| 1 | 165 | 2.35 | 17.71 | 1418 | 0.68 | 0419 |
| 1 | 166 | 4.93 | 20.26 | 1249 | 0.68 | 0258 |
| 1 | 167 | 4.99 | | | | |
| 1 | 168 | 4.88 | 21.64 | 0818 | 0.68 | 0427 |
| 1 | 169 | 2.32 | 14.33 | 1029 | 0.68 | 0412 |
| 1 | 170 | 1.72 | 13.46 | 1433 | 0.68 | 0516 |
| 1 | 171 | 4.06 | 17.18 | 1208 | 0.68 | 2238 |
| 1 | 172 | 1.73 | 10.36 | 1238 | 0.68 | 0925 |
| 1 | 173 | 0.86 | 4.35 | 1743 | | |
| 1 | 174 | | | | | |
| 1 | 175 | 2.35 | 17.94 | 1311 | 0.68 | 0855 |
| 1 | 176 | 2.22 | 13.98 | 0733 | 0.68 | 0313 |
| 1 | 177 | 1.99 | 14.51 | 1155 | 0.68 | 0343 |
| 1 | 178 | 1.90 | 14.74 | 1045 | 0.68 | 0340 |
| 1 | 179 | 2.81 | 18.83 | 1245 | 0.68 | 0436 |
| 1 | 180 | 2.10 | 14.08 | 1129 | 0.68 | 0142 |
| 1 | 181 | 2.07 | 18.25 | 1537 | 0.68 | 1628 |
| 1 | 182 | 1.87 | 11.26 | 1345 | 0.68 | 1043 |
| 1 | 183 | 1.68 | 10.93 | 1228 | 0.68 | 1320 |
| 1 | 184 | 1.35 | 8.83 | 0919 | 0.68 | 1256 |
| 1 | 185 | 2.14 | 17.95 | 1543 | 0.68 | 0015 |
| 1 | 186 | 3.89 | 18.15 | 1011 | 0.68 | 0035 |
| 1 | 187 | 1.73 | 10.58 | 0930 | 0.68 | 0554 |
| 1 | 188 | 1.21 | 7.69 | 1033 | 0.68 | 0613 |
| 1 | 189 | 1.64 | 9.35 | 1158 | 0.68 | 0524 |
| 1 | 190 | 1.78 | 13.27 | 1818 | 0.68 | 0223 |
| 1 | 191 | 1.83 | 17.04 | 1453 | 0.68 | 0429 |
| 1 | 192 | 1.39 | 10.48 | 1227 | 0.68 | 0514 |
| 1 | 193 | 1.39 | 13.54 | 1407 | 0.68 | 1521 |
| 1 | 194 | 1.02 | 8.45 | 1248 | 0.68 | 0745 |
| 1 | 195 | 2.25 | 14.59 | 2257 | 0.70 | 0001 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 1 | 196 | 5.54 | 25.25 | 1036 | 0.68 | 2357 |
| 1 | 197 | 2.57 | 12.93 | 1346 | 0.68 | 0449 |
| 1 | 198 | 2.08 | 14.25 | 1039 | 0.68 | 0410 |
| 1 | 199 | 2.59 | 18.57 | 1228 | 0.68 | 0415 |
| 1 | 200 | 4.20 | 17.29 | 0446 | 0.68 | 0602 |
| 1 | 201 | 1.17 | 6.16 | 2029 | 0.68 | 0222 |
| 1 | 202 | 2.62 | 14.51 | 1402 | 0.68 | 2244 |
| 1 | 203 | 1.82 | 16.76 | 1524 | 0.68 | 0311 |
| 1 | 204 | 1.42 | 10.52 | 1245 | 0.68 | 0335 |
| 1 | 205 | 2.26 | 22.24 | 2002 | 0.68 | 0541 |
| 1 | 206 | 1.44 | 9.88 | 1207 | 0.68 | 0310 |
| 1 | 207 | 3.78 | 19.09 | 1254 | 0.70 | 0001 |
| 1 | 208 | 3.13 | 21.81 | 1333 | 0.68 | 0532 |
| 1 | 209 | 3.60 | 18.03 | 2200 | 0.68 | 0454 |
| 1 | 210 | 2.47 | 11.74 | 1506 | 0.68 | 0619 |
| 1 | 211 | 1.97 | 16.27 | 2152 | 0.68 | 0512 |
| 1 | 212 | 4.78 | 21.93 | 1316 | 0.68 | 2341 |
| 1 | 213 | 3.33 | 20.18 | 0841 | 0.68 | 0433 |
| 1 | 214 | 2.15 | 12.22 | 1151 | 0.68 | 0536 |
| 1 | 215 | 1.77 | 17.07 | 0309 | 0.68 | 0322 |
| 1 | 216 | 1.78 | 10.62 | 2203 | 0.70 | 1513 |
| 1 | 217 | 5.06 | 19.63 | 0640 | 0.68 | 2354 |
| 1 | 218 | 1.40 | 12.59 | 1538 | 0.68 | 0543 |
| 1 | 219 | 1.37 | 9.20 | 1445 | 0.68 | 0344 |
| 1 | 220 | 3.12 | 19.65 | 1259 | 0.68 | 0619 |
| 1 | 221 | 2.10 | 11.60 | 1059 | 0.68 | 0530 |
| 1 | 222 | 1.81 | 10.44 | 2030 | 0.68 | 2257 |
| 1 | 223 | 3.80 | 23.42 | 1318 | 0.68 | 0524 |
| 1 | 224 | 1.46 | 8.99 | 1617 | 0.68 | 0451 |
| 1 | 225 | 1.46 | 10.20 | 1413 | 0.68 | 1552 |
| 1 | 226 | 1.56 | 10.56 | 1327 | 0.68 | 0500 |
| 1 | 227 | 1.32 | 8.60 | 1813 | 0.68 | 1254 |
| 1 | 228 | 1.98 | 14.38 | 1123 | 0.68 | 0426 |
| 1 | 229 | 1.55 | 12.91 | 1315 | 0.68 | 0418 |
| 1 | 230 | 3.48 | 22.30 | 1458 | 0.68 | 2357 |
| 1 | 231 | 2.09 | 24.17 | 1709 | 0.68 | 0512 |
| 1 | 232 | 3.25 | 19.47 | 1234 | 0.68 | 0611 |
| 1 | 233 | 2.34 | 16.52 | 0941 | 0.68 | 0617 |
| 1 | 234 | 1.77 | 18.27 | 2132 | 0.68 | 0213 |
| 1 | 235 | 4.88 | 21.96 | 1354 | 0.68 | 2249 |
| 1 | 236 | 4.32 | 21.73 | 1332 | 0.68 | 0420 |
| 1 | 237 | 2.10 | 13.82 | 1603 | 0.68 | 0441 |
| 1 | 238 | 3.17 | 16.74 | 1416 | 0.68 | 0536 |
| 1 | 239 | 1.24 | 8.12 | 1150 | 0.68 | 0411 |
| 1 | 240 | 0.90 | 4.64 | 1431 | 0.68 | 0038 |
| 1 | 241 | 1.21 | 6.22 | 0648 | 0.68 | 0922 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 1 | 242 | 1.37 | 8.38 | 1455 | 0.68 | 0614 |
| 1 | 243 | 1.63 | 13.64 | 1512 | 0.68 | 0424 |
| 1 | 244 | 2.92 | 15.84 | 0923 | 0.68 | 2133 |
| 1 | 245 | 2.62 | 14.58 | 1116 | 0.68 | 0414 |
| 1 | 246 | 3.32 | 16.51 | 0948 | 0.68 | 0324 |
| 1 | 247 | 2.39 | 12.92 | 1249 | 0.68 | 0636 |
| 1 | 248 | 1.42 | 10.39 | 1352 | 0.68 | 0502 |
| 1 | 249 | 1.37 | 8.05 | 1329 | 0.68 | 0758 |
| 1 | 250 | 0.77 | 3.51 | 0246 | 0.68 | 0225 |
| 1 | 251 | 0.80 | 6.50 | 1648 | 0.68 | 0115 |
| 1 | 252 | 1.70 | 16.90 | 1751 | 0.68 | 0504 |
| 1 | 245 | 2.62 | 14.58 | 1116 | 0.68 | 0414 |
| 1 | 246 | 3.32 | 16.51 | 0948 | 0.68 | 0324 |
| 1 | 247 | 2.39 | 12.92 | 1249 | 0.68 | 0636 |
| 1 | 248 | 1.42 | 10.39 | 1352 | 0.68 | 0502 |
| 1 | 249 | 1.37 | 8.05 | 1329 | 0.68 | 0758 |
| 1 | 250 | 0.77 | 3.51 | 0246 | 0.68 | 0225 |
| 1 | 251 | 0.80 | 6.50 | 1648 | 0.68 | 0115 |
| 1 | 252 | 1.70 | 16.90 | 1751 | 0.68 | 0504 |
| 1 | 253 | 3.75 | 18.67 | 0942 | 0.68 | 0252 |
| 1 | 254 | 1.25 | 8.27 | 1100 | 0.68 | 0557 |
| 1 | 255 | 1.35 | 8.31 | 2058 | 0.68 | 2202 |
| 1 | 256 | 1.17 | 6.50 | 1123 | 0.68 | 0017 |
| 1 | 257 | 2.36 | 15.83 | 1209 | 0.68 | 2344 |
| 1 | 258 | 1.94 | 12.92 | 1042 | 0.68 | 0425 |
| 1 | 259 | 1.48 | 11.45 | 1433 | 0.68 | 0458 |
| 1 | 260 | 3.33 | 16.18 | 0517 | 0.68 | 2312 |
| 1 | 261 | 1.73 | 12.05 | 1407 | 0.68 | 0058 |
| 1 | 262 | 1.76 | 12.90 | 0253 | 0.68 | 0122 |
| 1 | 263 | 2.56 | 10.22 | 1817 | 0.68 | 0745 |
| 1 | 264 | 1.88 | 11.61 | 1125 | 0.68 | 0258 |
| 1 | 265 | 1.72 | 12.66 | 1231 | 0.68 | 2241 |
| 1 | 266 | 1.81 | 10.66 | 1848 | 0.68 | 0452 |
| 1 | 267 | 3.58 | 17.84 | 0917 | 0.68 | 2225 |
| 1 | 268 | 3.49 | 22.29 | 1323 | 0.68 | 0539 |
| 1 | 269 | 2.10 | 14.98 | 1208 | 0.68 | 0356 |
| 1 | 270 | 2.95 | 22.25 | 0502 | 0.68 | 0634 |
| 1 | 271 | 1.22 | 12.21 | 1402 | 0.60 | 1127 |
| 1 | 272 | 1.24 | 15.34 | 1404 | 0.68 | 0535 |
| 1 | 273 | 0.88 | 7.62 | 1447 | 0.68 | 0117 |
| 1 | 274 | 4.94 | 26.13 | 1541 | 0.68 | 2317 |
| 1 | 275 | 2.75 | 16.85 | 1326 | 0.68 | 0525 |
| 1 | 276 | 3.56 | 24.16 | 2227 | 0.68 | 0419 |
| 1 | 277 | 8.38 | 36.21 | 0715 | 0.68 | 2220 |
| 1 | 278 | 2.55 | 17.64 | 0150 | 0.68 | 0502 |
| 1 | 279 | 1.62 | 11.75 | 1350 | 0.68 | 0651 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 1 | 280 | 1.48 | 16.90 | 1026 | 0.68 | 0158 |
| 1 | 281 | 3.79 | 17.53 | 2259 | 0.68 | 2152 |
| 1 | 282 | 2.97 | 14.11 | 0825 | 0.68 | 0536 |
| 1 | 283 | 3.16 | 15.80 | 2233 | 0.68 | 0549 |
| 1 | 284 | 1.71 | 14.37 | 0122 | 0.68 | 2205 |
| 1 | 285 | 2.01 | 15.46 | 1340 | 0.68 | 0600 |
| 1 | 286 | 2.67 | 21.39 | 1411 | 0.68 | 0614 |
| 1 | 287 | 1.70 | 15.36 | 1308 | 0.68 | 0734 |
| 1 | 288 | 1.81 | 15.23 | 1535 | 0.68 | 0557 |
| 1 | 289 | 1.12 | 9.47 | 1336 | 0.68 | 1152 |
| 1 | 290 | 1.26 | 11.66 | 1621 | 0.68 | 1213 |
| 1 | 291 | 2.36 | 14.90 | 1238 | 0.68 | 2256 |
| 1 | 292 | 1.09 | 7.80 | 1048 | 0.68 | 0705 |
| 1 | 293 | 1.30 | 10.07 | 1216 | 0.68 | 0355 |
| 1 | 294 | 2.52 | 16.19 | 2359 | 0.68 | 1946 |
| 1 | 295 | 4.81 | 21.54 | 0947 | 0.68 | 2253 |
| 1 | 296 | 1.09 | 5.87 | 1049 | 0.68 | 0125 |
| 1 | 297 | 1.34 | 8.65 | 2021 | 0.68 | 0403 |
| 1 | 298 | 4.29 | 22.08 | 1126 | 0.68 | 0836 |
| 1 | 299 | 4.13 | 25.57 | 0228 | 0.68 | 2057 |
| 1 | 300 | 1.74 | 10.65 | 1329 | 0.68 | 1119 |
| 1 | 301 | 3.24 | 21.27 | 2358 | 0.68 | 0134 |
| 1 | 302 | 3.94 | 19.17 | 1150 | 0.68 | 2330 |
| 1 | 303 | 1.29 | 11.08 | 1302 | 0.68 | 1314 |
| 1 | 304 | 3.63 | 21.67 | 1429 | 0.68 | 2243 |
| 1 | 305 | 2.45 | 18.06 | 1317 | 0.68 | 0647 |
| 1 | 306 | 1.13 | 6.86 | 0735 | 0.68 | 0832 |
| 1 | 307 | 0.79 | 3.94 | 0512 | 0.68 | 0226 |
| 1 | 308 | 1.14 | 10.85 | 1418 | 0.68 | 0005 |
| 1 | 309 | 3.66 | 22.73 | 1220 | 0.68 | 2347 |
| 1 | 310 | 5.66 | 23.39 | 0916 | 0.68 | 2239 |
| 1 | 311 | 3.11 | 22.55 | 1113 | 0.68 | 1817 |
| 1 | 312 | 1.05 | 6.22 | 0141 | 0.68 | 1401 |
| 1 | 313 | 3.35 | 16.22 | 1821 | 0.68 | 0015 |
| 1 | 314 | 5.56 | 19.68 | 2101 | 0.68 | 0624 |
| 1 | 315 | 2.05 | 14.18 | 2348 | 0.68 | 0748 |
| 1 | 316 | 7.99 | 30.53 | 1727 | 0.68 | 0005 |
| 1 | 317 | 2.96 | 18.19 | 0126 | 0.68 | 2213 |
| 1 | 318 | 2.74 | 20.62 | 1725 | 0.68 | 0138 |
| 1 | 319 | 4.44 | 17.25 | 1000 | 0.68 | 1905 |
| 1 | 320 | 1.01 | 9.14 | 1239 | 0.68 | 0153 |
| 1 | 321 | 0.79 | 4.06 | 0606 | 0.68 | 0239 |
| 1 | 322 | 2.72 | 17.93 | 1200 | 0.68 | 0002 |
| 1 | 323 | 3.02 | 15.44 | 0145 | 0.68 | 2358 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 2 | 106 | 2.62 | 13.26 | 1310 | 0.68 | 1104 |
| 2 | 107 | 1.64 | 10.08 | 1252 | 0.68 | 0420 |
| 2 | 108 | 1.91 | 11.65 | 1242 | 0.68 | 0456 |
| 2 | 109 | 2.25 | 13.49 | 1132 | 0.68 | 0419 |
| 2 | 110 | 3.24 | 21.19 | 1023 | 0.68 | 0526 |
| 2 | 111 | 3.07 | 25.53 | 2356 | 0.68 | 0141 |
| 2 | 112 | 5.46 | 23.75 | 0059 | 0.68 | 2345 |
| 2 | 113 | 3.27 | 14.39 | 1053 | 0.68 | 0555 |
| 2 | 114 | 4.15 | 22.03 | 1457 | 0.68 | 0033 |
| 2 | 115 | 3.67 | 15.05 | 1416 | 0.68 | 0602 |
| 2 | 116 | 3.49 | 18.40 | 1409 | 0.68 | 2029 |
| 2 | 117 | 5.07 | 24.12 | 1633 | 0.68 | 0528 |
| 2 | 118 | 3.96 | 16.83 | 1112 | 0.68 | 2222 |
| 2 | 119 | 3.63 | 19.74 | 0926 | 0.68 | 1932 |
| 2 | 120 | 5.93 | | | | |
| 2 | 121 | 5.26 | 21.02 | 1440 | 0.68 | 0602 |
| 2 | 122 | 3.91 | 25.30 | 1901 | 0.68 | 0421 |
| 2 | 123 | 3.65 | 22.12 | 1841 | 0.68 | 0536 |
| 2 | 124 | 3.24 | 16.67 | 1129 | 0.68 | 2028 |
| 2 | 125 | 2.44 | 17.24 | 1019 | 0.68 | 0600 |
| 2 | 126 | 3.30 | 16.62 | 1339 | 0.68 | 0544 |
| 2 | 127 | 4.11 | 21.79 | 2116 | 0.68 | 0539 |
| 2 | 128 | 2.80 | 20.39 | 1411 | 0.68 | 2324 |
| 2 | 129 | 2.11 | 14.81 | 1556 | 0.68 | 2324 |
| 2 | 130 | 5.76 | 28.35 | 1837 | 0.68 | 0821 |
| 2 | 131 | 3.00 | 15.10 | 1108 | 0.68 | 1922 |
| 2 | 132 | 4.95 | 28.58 | 1412 | 0.68 | 0417 |
| 2 | 133 | 3.88 | | | | |
| 2 | 134 | 3.56 | 17.70 | 1207 | 0.68 | 0102 |
| 2 | 135 | 5.83 | 39.74 | 1207 | 0.68 | 0131 |
| 2 | 136 | 5.74 | 25.66 | 0436 | 0.68 | 2332 |
| 2 | 137 | 3.36 | 15.63 | 1325 | 0.68 | 0424 |
| 2 | 138 | 3.63 | 14.88 | 1457 | 0.68 | 1718 |
| 2 | 139 | 3.12 | | | | |
| 2 | 140 | 3.34 | 15.35 | 1325 | 0.68 | 2134 |
| 2 | 141 | 2.26 | 14.44 | 1137 | 0.68 | 2009 |
| 2 | 142 | 2.07 | 14.37 | 1456 | 0.68 | 0539 |
| 2 | 143 | 3.34 | 18.40 | 0130 | 0.68 | 2257 |
| 2 | 144 | 2.25 | 11.14 | 1630 | 0.68 | 0422 |
| 2 | 145 | 1.29 | 7.30 | 1514 | 0.68 | 0223 |
| 2 | 146 | 2.85 | | | | |
| 2 | 147 | 3.51 | | | | |
| 2 | 148 | 2.46 | 28.88 | 2036 | 0.68 | 0954 |
| 2 | 149 | 3.07 | 17.49 | 2141 | 0.68 | 1949 |

Table 3. --*Summary of 1987 wind-speed data at the raft station-Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 2 | 150 | 1.81 | 15.66 | 1218 | 0.68 | 0538 |
| 2 | 151 | 3.01 | 37.71 | 1719 | 0.68 | 0517 |
| 2 | 152 | 3.50 | 20.37 | 0833 | 0.68 | 2250 |
| 2 | 153 | 1.55 | 6.14 | 1021 | 0.68 | 1002 |
| 2 | 154 | 5.51 | | | | |
| 2 | 155 | 1.82 | | | | |
| 2 | 156 | 2.82 | | | | |
| 2 | 157 | 6.17 | | | | |
| 2 | 158 | 2.80 | | | | |
| 2 | 159 | 1.56 | | | | |
| 2 | 160 | 4.82 | | | | |
| 2 | 161 | 7.97 | 26.64 | 1412 | 0.68 | 2353 |
| 2 | 162 | 3.00 | 21.17 | 1109 | 0.68 | 0713 |
| 2 | 163 | 1.00 | 5.18 | 0017 | 0.68 | 0502 |
| 2 | 164 | 1.47 | 19.31 | 1301 | 0.68 | 0327 |
| 2 | 165 | 2.81 | 18.61 | 1418 | 0.68 | 0443 |
| 2 | 166 | 5.54 | 21.62 | 1249 | 0.68 | 0035 |
| 2 | 167 | 5.60 | | | | |
| 2 | 168 | 5.61 | 23.40 | 0040 | 0.68 | 2304 |
| 2 | 169 | 2.73 | 16.47 | 1402 | 0.68 | 0056 |
| 2 | 170 | 1.98 | 14.03 | 1433 | 0.68 | 0350 |
| 2 | 171 | 4.55 | 18.64 | 1009 | 0.68 | 0156 |
| 2 | 172 | 2.51 | 10.95 | 1245 | 0.68 | 0626 |
| 2 | 173 | 1.18 | 5.69 | 1644 | | |
| 2 | 174 | 2.87 | | | | |
| 2 | 175 | 2.66 | 17.33 | 1253 | 0.68 | 0631 |
| 2 | 176 | 3.38 | 14.09 | 0733 | 0.68 | 0448 |
| 2 | 177 | 2.86 | 17.92 | 1413 | 0.68 | 0343 |
| 2 | 178 | 2.16 | 14.45 | 1045 | 0.68 | 0340 |
| 2 | 179 | 3.23 | 22.55 | 1237 | 0.68 | 0459 |
| 2 | 180 | 2.72 | 16.25 | 1201 | 0.68 | 2333 |
| 2 | 181 | 2.49 | 17.25 | 1537 | 0.68 | 0744 |
| 2 | 182 | 2.16 | 11.43 | 1345 | 0.68 | 0028 |
| 2 | 183 | 2.26 | 11.53 | 1228 | 0.68 | 0727 |
| 2 | 184 | 1.70 | 9.91 | 0919 | 0.68 | 1934 |
| 2 | 185 | 2.67 | 20.10 | 1543 | 0.68 | 0015 |
| 2 | 186 | 4.27 | 18.11 | 1011 | 0.68 | 0033 |
| 2 | 187 | 2.18 | 14.20 | 1343 | 0.68 | 0223 |
| 2 | 188 | 1.69 | 9.74 | 1029 | 0.68 | 0613 |
| 2 | 189 | 2.62 | 12.59 | 1406 | 0.68 | 0209 |
| 2 | 190 | 1.98 | 12.75 | 1818 | 0.68 | 0516 |
| 2 | 191 | 2.32 | 16.79 | 1453 | 0.68 | 0419 |
| 2 | 192 | 2.09 | 11.40 | 1316 | 0.68 | 0501 |
| 2 | 193 | 2.16 | 16.95 | 1405 | 0.68 | 0446 |
| 2 | 194 | 1.63 | 11.11 | 1330 | 0.68 | 0745 |
| 2 | 195 | 3.38 | 16.63 | 1537 | 0.70 | 0001 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 2 | 196 | 6.15 | 27.81 | 1006 | 0.68 | 2332 |
| 2 | 197 | 2.99 | 13.02 | 1346 | 0.68 | 1424 |
| 2 | 198 | 2.42 | 13.45 | 1039 | 0.68 | 0343 |
| 2 | 199 | 3.09 | 20.22 | 1228 | 0.68 | 0415 |
| 2 | 200 | 4.67 | 19.93 | 0057 | 0.68 | 2327 |
| 2 | 201 | 1.40 | 6.10 | 2029 | 0.68 | 0223 |
| 2 | 202 | 3.06 | 14.73 | 1220 | 0.68 | 2254 |
| 2 | 203 | 2.43 | 16.47 | 1443 | 0.68 | 0311 |
| 2 | 204 | 1.87 | 11.48 | 1245 | 0.68 | 0342 |
| 2 | 205 | 2.79 | 23.54 | 2002 | 0.68 | 0541 |
| 2 | 206 | 1.75 | 11.84 | 1207 | 0.68 | 0310 |
| 2 | 207 | 4.41 | 22.08 | 1334 | 0.70 | 0002 |
| 2 | 208 | 3.75 | 23.17 | 1333 | 0.68 | 0520 |
| 2 | 209 | 4.14 | 19.27 | 1126 | 0.68 | 0454 |
| 2 | 210 | 3.01 | 12.29 | 1428 | 0.68 | 0456 |
| 2 | 211 | 2.45 | 17.45 | 2338 | 0.68 | 0512 |
| 2 | 212 | 5.42 | 24.26 | 1316 | 0.68 | 0557 |
| 2 | 213 | 3.83 | 19.97 | 0841 | 0.68 | 0431 |
| 2 | 214 | 3.10 | 17.47 | 1430 | 0.68 | 0459 |
| 2 | 215 | 2.09 | 18.70 | 2100 | 0.68 | 0322 |
| 2 | 216 | 2.05 | 13.14 | 2342 | 0.70 | 1515 |
| 2 | 217 | 5.69 | 20.88 | 0640 | 0.68 | 2358 |
| 2 | 218 | 2.02 | 13.69 | 1438 | 0.68 | 0543 |
| 2 | 219 | 2.07 | 10.26 | 1437 | 0.68 | 0327 |
| 2 | 220 | 3.69 | 18.60 | 1259 | 0.68 | 0619 |
| 2 | 221 | 2.76 | 12.45 | 1059 | 0.68 | 0454 |
| 2 | 222 | 2.25 | 11.25 | 2030 | 0.68 | 2257 |
| 2 | 223 | 4.54 | 24.88 | 1123 | 0.68 | 0524 |
| 2 | 224 | 2.05 | 10.10 | 1617 | 0.68 | 0451 |
| 2 | 225 | 2.39 | 11.73 | 1423 | 0.68 | 0421 |
| 2 | 226 | 2.25 | 14.19 | 1335 | 0.68 | 0432 |
| 2 | 227 | 1.94 | 11.01 | 1442 | 0.68 | 0626 |
| 2 | 228 | 2.26 | 14.13 | 1058 | 0.68 | 0426 |
| 2 | 229 | 1.88 | 13.38 | 1238 | 0.68 | 0418 |
| 2 | 230 | 3.93 | 20.43 | 1153 | 0.68 | 2312 |
| 2 | 231 | 2.64 | 30.27 | 1709 | 0.68 | 0457 |
| 2 | 232 | 3.75 | 19.51 | 1234 | 0.68 | 0640 |
| 2 | 233 | 2.81 | 17.04 | 0931 | 0.68 | 0617 |
| 2 | 234 | 2.14 | 19.94 | 2255 | 0.68 | 0214 |
| 2 | 235 | 5.59 | 24.82 | 1448 | 0.68 | 2325 |
| 2 | 236 | 5.07 | 22.43 | 1119 | 0.68 | 0416 |
| 2 | 237 | 2.68 | 14.73 | 1603 | 0.68 | 0430 |
| 2 | 238 | 3.82 | 17.71 | 0933 | 0.68 | 0535 |
| 2 | 239 | 1.89 | 8.74 | 1157 | 0.68 | 0411 |
| 2 | 240 | 1.36 | 5.24 | 1431 | 0.68 | 0038 |
| 2 | 241 | 1.73 | 7.01 | 0648 | 0.68 | 0825 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 2 | 242 | 1.92 | 10.01 | 1302 | 0.68 | 0614 |
| 2 | 243 | 2.68 | 14.41 | 1241 | 0.68 | 0416 |
| 2 | 244 | 3.53 | 15.95 | 1138 | 0.68 | 2117 |
| 2 | 245 | 3.21 | 15.34 | 0910 | 0.68 | 0354 |
| 2 | 246 | 3.89 | 16.71 | 0949 | 0.68 | 0310 |
| 2 | 247 | 3.03 | 13.47 | 1030 | 0.68 | 0636 |
| 2 | 248 | 2.14 | 15.39 | 1336 | 0.68 | 0502 |
| 2 | 249 | 1.91 | 11.32 | 1310 | 0.68 | 0334 |
| 2 | 250 | 0.90 | 3.74 | 0625 | 0.68 | 0225 |
| 2 | 251 | 1.05 | 7.61 | 1644 | 0.68 | 0045 |
| 2 | 252 | 2.19 | 17.34 | 1751 | 0.68 | 0504 |
| 2 | 245 | 3.21 | 15.34 | 0910 | 0.68 | 0354 |
| 2 | 246 | 3.89 | 16.71 | 0949 | 0.68 | 0310 |
| 2 | 247 | 3.03 | 13.47 | 1030 | 0.68 | 0636 |
| 2 | 248 | 2.14 | 15.39 | 1336 | 0.68 | 0502 |
| 2 | 249 | 1.91 | 11.32 | 1310 | 0.68 | 0334 |
| 2 | 250 | 0.90 | 3.74 | 0625 | 0.68 | 0225 |
| 2 | 251 | 1.05 | 7.61 | 1644 | 0.68 | 0045 |
| 2 | 252 | 2.19 | 17.34 | 1751 | 0.68 | 0504 |
| 2 | 253 | 4.41 | 20.18 | 0942 | 0.68 | 0252 |
| 2 | 254 | 2.30 | 9.38 | 0357 | 0.68 | 0557 |
| 2 | 255 | 2.06 | 9.04 | 1143 | 0.68 | 2201 |
| 2 | 256 | 1.76 | 7.60 | 1123 | 0.68 | 0136 |
| 2 | 257 | 2.94 | 15.41 | 1209 | 0.68 | 2344 |
| 2 | 258 | 2.55 | 15.30 | 1103 | 0.68 | 0354 |
| 2 | 259 | 2.15 | 12.64 | 1433 | 0.68 | 0438 |
| 2 | 260 | 4.06 | 19.25 | 0907 | 0.68 | 2312 |
| 2 | 261 | 2.53 | 12.41 | 1407 | 0.68 | 0152 |
| 2 | 262 | 2.63 | 14.51 | 0253 | 0.68 | 0010 |
| 2 | 263 | 3.23 | 11.10 | 1517 | 0.68 | 0801 |
| 2 | 264 | 2.49 | 12.84 | 1125 | 0.68 | 0258 |
| 2 | 265 | 2.40 | 12.66 | 1231 | 0.68 | 2359 |
| 2 | 266 | 2.59 | 13.88 | 1552 | 0.68 | 0452 |
| 2 | 267 | 4.34 | 20.87 | 1100 | 0.68 | 2225 |
| 2 | 268 | 4.17 | 22.39 | 1323 | 0.68 | 0539 |
| 2 | 269 | 3.05 | 15.10 | 1044 | 0.68 | 0356 |
| 2 | 270 | 3.73 | 19.96 | 0502 | 0.68 | 0641 |
| 2 | 271 | 1.79 | 13.42 | 1402 | 0.68 | 0904 |
| 2 | 272 | 1.96 | 22.94 | 1324 | 0.68 | 0617 |
| 2 | 273 | 1.29 | 8.23 | 1402 | 0.68 | 0247 |
| 2 | 274 | 5.68 | 30.62 | 1541 | 0.68 | 2337 |
| 2 | 275 | 4.34 | 20.30 | 1450 | 0.68 | 0523 |
| 2 | 276 | 4.18 | 24.76 | 2305 | 0.68 | 0419 |
| 2 | 277 | 9.28 | 36.64 | 1828 | 0.68 | 2220 |
| 2 | 278 | 3.08 | 19.10 | 0150 | 0.68 | 0502 |
| 2 | 279 | 2.74 | 14.99 | 1552 | 0.68 | 0646 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 2 | 280 | 1.89 | 18.36 | 1026 | 0.68 | 0158 |
| 2 | 281 | 4.48 | 17.23 | 0917 | 0.68 | 2152 |
| 2 | 282 | 3.83 | 14.86 | 0830 | 0.68 | 0536 |
| 2 | 283 | 3.88 | 15.71 | 1059 | 0.68 | 0549 |
| 2 | 284 | 2.32 | 14.74 | 0131 | 0.68 | 2223 |
| 2 | 285 | 2.50 | 13.07 | 1340 | 0.68 | 0600 |
| 2 | 286 | 3.23 | 21.79 | 1411 | 0.68 | 0614 |
| 2 | 287 | 2.69 | 14.23 | 1150 | 0.68 | 2251 |
| 2 | 288 | 2.52 | 15.77 | 1535 | 0.68 | 0557 |
| 2 | 289 | 1.92 | 10.93 | 1250 | 0.68 | 0429 |
| 2 | 290 | 2.44 | 15.17 | 1147 | 0.68 | 0447 |
| 2 | 291 | 3.02 | 17.07 | 1238 | 0.68 | 2254 |
| 2 | 292 | 1.92 | 8.76 | 1100 | 0.68 | 0554 |
| 2 | 293 | 2.75 | 14.37 | 1347 | 0.68 | 0355 |
| 2 | 294 | 3.19 | 18.30 | 1837 | 0.68 | 1946 |
| 2 | 295 | 5.61 | 21.26 | 0947 | 0.68 | 2253 |
| 2 | 296 | 1.63 | 6.53 | 1301 | 0.68 | 0416 |
| 2 | 297 | 2.19 | 13.75 | 1204 | 0.68 | 0403 |
| 2 | 298 | 5.18 | 23.39 | 1307 | 0.68 | 2040 |
| 2 | 299 | 4.86 | 26.67 | 0228 | 0.68 | 2132 |
| 2 | 300 | 2.75 | 15.93 | 1228 | 0.68 | 1016 |
| 2 | 301 | 3.94 | 20.31 | 1809 | 0.68 | 0134 |
| 2 | 302 | 4.56 | 22.65 | 1132 | 0.68 | 2330 |
| 2 | 303 | 1.98 | 15.85 | 1351 | 0.68 | 0340 |
| 2 | 304 | 4.26 | 24.35 | 1448 | 0.68 | 2204 |
| 2 | 305 | 3.02 | 18.35 | 1345 | 0.68 | 0653 |
| 2 | 306 | 1.93 | 9.16 | 1139 | 0.68 | 0836 |
| 2 | 307 | 1.14 | 6.16 | 0250 | 0.68 | 0309 |
| 2 | 308 | 1.59 | 11.60 | 1356 | 0.68 | 0005 |
| 2 | 309 | 4.25 | 26.92 | 1220 | 0.68 | 2347 |
| 2 | 310 | 6.33 | 24.64 | 1233 | 0.68 | 0224 |
| 2 | 311 | 3.67 | 18.87 | 1112 | 0.68 | 1531 |
| 2 | 312 | 1.54 | 6.34 | 0205 | 0.68 | 1141 |
| 2 | 313 | 3.89 | 16.69 | 2150 | 0.68 | 0015 |
| 2 | 314 | 6.07 | 20.24 | 2101 | 0.68 | 0258 |
| 2 | 315 | 3.58 | 14.82 | 2315 | 0.68 | 2038 |
| 2 | 316 | 8.83 | 33.89 | 1723 | 0.70 | 0003 |
| 2 | 317 | 3.46 | 18.05 | 0126 | 0.68 | 2220 |
| 2 | 318 | 3.26 | 22.24 | 1725 | 0.68 | 0040 |
| 2 | 319 | 5.11 | 20.20 | 0031 | 0.68 | 0626 |
| 2 | 320 | 1.58 | 11.66 | 1243 | 0.68 | 0153 |
| 2 | 321 | 0.99 | 4.63 | 1724 | 0.68 | 0403 |
| 2 | 322 | 3.49 | 20.68 | 1321 | 0.68 | 0005 |
| 2 | 323 | 3.73 | 17.88 | 0336 | 0.68 | 1039 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 3 | 106 | 2.94 | 12.28 | 1311 | 0.68 | 0336 |
| 3 | 107 | 1.98 | 8.97 | 1253 | 0.68 | 0041 |
| 3 | 108 | 2.11 | 11.26 | 1551 | 0.68 | 0249 |
| 3 | 109 | 2.54 | 13.12 | 1132 | 0.68 | 0609 |
| 3 | 110 | 3.55 | 18.82 | 1037 | 0.68 | 0632 |
| 3 | 111 | 3.39 | 27.87 | 2356 | 0.68 | 0400 |
| 3 | 112 | 5.88 | 24.89 | 0012 | 0.68 | 2330 |
| 3 | 113 | 3.64 | 13.46 | 1053 | 0.68 | 2045 |
| 3 | 114 | 4.58 | 22.86 | 1457 | 0.68 | 1218 |
| 3 | 115 | 4.13 | 16.31 | 1258 | 0.68 | 0718 |
| 3 | 116 | 3.94 | 18.71 | 1409 | 0.68 | 2029 |
| 3 | 117 | 5.37 | 22.12 | 1633 | 0.68 | 0525 |
| 3 | 118 | 4.36 | 17.17 | 1146 | 0.68 | 1434 |
| 3 | 119 | 4.07 | 19.65 | 0927 | 0.68 | 0619 |
| 3 | 120 | 6.45 | | | | |
| 3 | 121 | 5.80 | 23.29 | 0807 | 0.68 | 0646 |
| 3 | 122 | 4.43 | 24.48 | 1901 | 0.68 | 0017 |
| 3 | 123 | 4.09 | 17.47 | 1841 | 0.68 | 0556 |
| 3 | 124 | 3.57 | 15.69 | 1129 | 0.68 | 2028 |
| 3 | 125 | 2.92 | 16.59 | 1019 | 0.68 | 0602 |
| 3 | 126 | 3.70 | 15.39 | 1339 | 0.68 | 0544 |
| 3 | 127 | 4.66 | 21.95 | 1802 | 0.68 | 0547 |
| 3 | 128 | 3.24 | 20.83 | 1411 | 0.68 | 2324 |
| 3 | 129 | 2.58 | 13.77 | 1556 | 0.68 | 2119 |
| 3 | 130 | 6.29 | 26.46 | 1837 | 0.68 | 0821 |
| 3 | 131 | 3.35 | 17.30 | 0930 | 0.68 | 2139 |
| 3 | 132 | 5.44 | 29.58 | 1412 | 0.68 | 0417 |
| 3 | 133 | 4.31 | | | | |
| 3 | 134 | 3.90 | 17.53 | 1411 | 0.68 | 0102 |
| 3 | 135 | 6.41 | 42.28 | 1207 | 0.68 | 2027 |
| 3 | 136 | 6.24 | 26.08 | 0436 | 0.68 | 2226 |
| 3 | 137 | 3.79 | 16.41 | 2041 | 0.68 | 0424 |
| 3 | 138 | 4.11 | 15.83 | 1457 | 0.68 | 0628 |
| 3 | 139 | | | | | |
| 3 | 140 | 3.70 | 14.68 | 1227 | 0.68 | 2100 |
| 3 | 141 | 2.62 | 13.44 | 1137 | 0.68 | 0526 |
| 3 | 142 | 2.48 | 11.92 | 1456 | 0.68 | 0521 |
| 3 | 143 | 3.81 | 18.17 | 0130 | 0.68 | 1603 |
| 3 | 144 | 2.71 | 10.89 | 1544 | 0.68 | 1236 |
| 3 | 145 | 1.70 | 7.30 | 1149 | 0.68 | 0030 |
| 3 | 146 | | | | | |
| 3 | 147 | | | | | |
| 3 | 148 | 2.90 | 30.07 | 2036 | 0.68 | 0143 |
| 3 | 149 | 3.60 | 18.58 | 2141 | 0.68 | 1833 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 3 | 150 | 2.16 | 16.77 | 1218 | 0.68 | 0310 |
| 3 | 151 | 3.42 | 39.76 | 1719 | 0.68 | 0559 |
| 3 | 152 | 4.03 | 22.05 | 0833 | 0.68 | 1530 |
| 3 | 153 | 2.01 | 6.60 | 0312 | 0.68 | 1815 |
| 3 | 154 | | | | | |
| 3 | 155 | 2.17 | | | | |
| 3 | 156 | 3.11 | | | | |
| 3 | 157 | 6.56 | | | | |
| 3 | 158 | 3.16 | | | | |
| 3 | 159 | 1.98 | | | | |
| 3 | 160 | 5.27 | | | | |
| 3 | 161 | 8.42 | 26.92 | 1228 | 0.68 | 2124 |
| 3 | 162 | 3.32 | 19.52 | 1109 | 0.68 | 0232 |
| 3 | 163 | 1.50 | 5.22 | 0017 | 0.68 | 0502 |
| 3 | 164 | 1.94 | 19.31 | 1301 | 0.68 | 1709 |
| 3 | 165 | 3.22 | 19.53 | 1418 | 0.68 | 2158 |
| 3 | 166 | 6.11 | 22.31 | 1249 | 0.68 | 0145 |
| 3 | 167 | 6.16 | | | | |
| 3 | 168 | 6.08 | 21.19 | 1130 | 0.68 | 2118 |
| 3 | 169 | 3.34 | 16.92 | 1054 | 0.68 | 0348 |
| 3 | 170 | 2.48 | 14.82 | 1433 | 0.68 | 0648 |
| 3 | 171 | 5.10 | 20.08 | 1009 | 0.68 | 0421 |
| 3 | 172 | 3.01 | 11.53 | 1245 | 0.68 | 0626 |
| 3 | 173 | 1.60 | | | | |
| 3 | 174 | | | | | |
| 3 | 175 | 3.15 | 16.51 | 1210 | 0.68 | 0631 |
| 3 | 176 | 3.83 | 14.67 | 0733 | 0.68 | 2246 |
| 3 | 177 | 3.26 | 15.36 | 1413 | 0.68 | 0443 |
| 3 | 178 | 2.66 | 14.14 | 1045 | 0.68 | 0711 |
| 3 | 179 | 3.72 | 22.40 | 1237 | 0.68 | 1707 |
| 3 | 180 | 3.01 | 16.14 | 1201 | 0.68 | 2310 |
| 3 | 181 | 2.88 | 17.31 | 1359 | 0.68 | 0515 |
| 3 | 182 | 2.46 | 12.93 | 1351 | 0.68 | 0103 |
| 3 | 183 | 2.61 | 11.70 | 1228 | 0.68 | 2223 |
| 3 | 184 | 2.14 | 11.01 | 0818 | 0.68 | 0121 |
| 3 | 185 | 3.06 | 21.11 | 1538 | 0.68 | 2052 |
| 3 | 186 | 4.78 | 18.38 | 1011 | 0.68 | 0045 |
| 3 | 187 | 2.68 | 13.01 | 1343 | 0.68 | 0539 |
| 3 | 188 | 2.05 | 9.74 | 1051 | 0.68 | 0613 |
| 3 | 189 | 2.87 | 12.80 | 1446 | 0.68 | 0723 |
| 3 | 190 | 2.32 | 13.50 | 1818 | 0.68 | 0516 |
| 3 | 191 | 2.84 | 17.34 | 1453 | 0.68 | 0202 |
| 3 | 192 | 2.51 | 12.47 | 1316 | 0.68 | 0531 |
| 3 | 193 | 2.51 | 17.93 | 1405 | 0.68 | 0446 |
| 3 | 194 | 2.08 | 10.48 | 1423 | 0.68 | 0805 |
| 3 | 195 | 3.81 | 16.86 | 1537 | 0.70 | 0001 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 3 | 196 | 6.62 | 28.37 | 1006 | 0.68 | 2256 |
| 3 | 197 | 3.44 | 14.35 | 1346 | 0.68 | 0550 |
| 3 | 198 | 2.90 | 13.22 | 1039 | 0.68 | 0508 |
| 3 | 199 | 3.54 | 19.61 | 1228 | 0.68 | 0321 |
| 3 | 200 | 5.14 | 21.16 | 0057 | 0.68 | 0602 |
| 3 | 201 | 1.82 | 5.98 | 2029 | 0.68 | 1314 |
| 3 | 202 | 3.48 | 15.34 | 1402 | 0.68 | 2244 |
| 3 | 203 | 2.82 | 18.62 | 1443 | 0.68 | 0311 |
| 3 | 204 | 2.23 | 10.40 | 1245 | 0.68 | 2311 |
| 3 | 205 | 3.23 | 25.57 | 2002 | 0.68 | 0558 |
| 3 | 206 | 2.22 | 13.94 | 1207 | 0.68 | 0310 |
| 3 | 207 | 4.84 | 23.77 | 1334 | 0.70 | 0004 |
| 3 | 208 | 4.20 | 23.63 | 1333 | 0.68 | 0542 |
| 3 | 209 | 4.61 | 19.67 | 2200 | 0.68 | 0710 |
| 3 | 210 | 3.47 | 12.41 | 1588 | 0.68 | 0733 |
| 3 | 211 | 2.90 | 18.00 | 2338 | 0.68 | 2000 |
| 3 | 212 | 5.92 | 25.49 | 1316 | 0.68 | 2333 |
| 3 | 213 | 4.32 | 20.78 | 0841 | 0.68 | 2301 |
| 3 | 214 | 3.44 | 16.59 | 1430 | 0.68 | 2306 |
| 3 | 215 | 2.49 | 20.80 | 2100 | 0.68 | 0516 |
| 3 | 216 | 2.87 | 14.19 | 2342 | 0.70 | 1528 |
| 3 | 217 | 6.23 | 22.32 | 0848 | 0.68 | 2331 |
| 3 | 218 | 2.39 | 13.73 | 1456 | 0.68 | 0624 |
| 3 | 219 | 2.41 | 9.85 | 1437 | 0.68 | 0327 |
| 3 | 220 | 4.12 | 18.19 | 1259 | 0.68 | 2331 |
| 3 | 221 | 3.19 | 14.50 | 1059 | 0.68 | 0531 |
| 3 | 222 | 2.68 | 10.58 | 2030 | 0.68 | 0455 |
| 3 | 223 | 4.85 | 25.55 | 1318 | 0.68 | 2208 |
| 3 | 224 | 2.38 | 9.64 | 1617 | 0.68 | 0029 |
| 3 | 225 | 2.63 | 11.40 | 1532 | 0.68 | 0637 |
| 3 | 226 | 2.62 | 12.94 | 1335 | 0.68 | 0158 |
| 3 | 227 | 2.31 | 9.80 | 1442 | 0.68 | 0128 |
| 3 | 228 | 2.62 | 14.99 | 1133 | 0.68 | 0426 |
| 3 | 229 | 2.19 | 13.69 | 1238 | 0.68 | 2242 |
| 3 | 230 | 4.36 | 21.09 | 1458 | 0.68 | 2318 |
| 3 | 231 | 2.99 | 29.94 | 1709 | 0.68 | 0410 |
| 3 | 232 | 4.16 | 18.58 | 1350 | 0.68 | 2314 |
| 3 | 233 | 3.19 | 17.15 | 0951 | 0.68 | 0617 |
| 3 | 234 | 2.48 | 19.04 | 2255 | 0.68 | 1850 |
| 3 | 235 | 5.96 | 25.78 | 1354 | 0.68 | 2232 |
| 3 | 236 | 5.47 | 23.16 | 1119 | 0.68 | 0432 |
| 3 | 237 | 3.10 | 13.90 | 1603 | 0.68 | 1954 |
| 3 | 238 | 4.18 | 17.86 | 0933 | 0.68 | 0449 |
| 3 | 239 | 2.33 | 8.39 | 1157 | 0.68 | 2044 |
| 3 | 240 | 1.83 | 4.76 | 1431 | 0.68 | 0609 |
| 3 | 241 | 2.18 | 7.39 | 1438 | 0.68 | 2357 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 3 | 242 | 2.27 | 9.57 | 1302 | 0.68 | 0347 |
| 3 | 243 | 2.94 | 14.30 | 1241 | 0.68 | 0404 |
| 3 | 244 | 3.85 | 16.58 | 1138 | 0.68 | 0404 |
| 3 | 245 | 3.47 | 17.15 | 0910 | 0.68 | 0349 |
| 3 | 246 | 4.19 | 17.83 | 0949 | 0.68 | 0741 |
| 3 | 247 | 3.40 | 14.41 | 1030 | 0.68 | 2314 |
| 3 | 248 | 2.40 | 13.12 | 1336 | 0.68 | 0420 |
| 3 | 249 | 2.22 | 10.57 | 1310 | 0.68 | 2248 |
| 3 | 250 | 0.95 | 3.53 | 0339 | 0.68 | 0052 |
| 3 | 251 | 1.32 | 8.26 | 1644 | 0.68 | 0045 |
| 3 | 252 | 2.49 | 18.41 | 1751 | 0.68 | 0504 |
| 3 | 245 | 3.47 | 17.15 | 0910 | 0.68 | 0349 |
| 3 | 246 | 4.19 | 17.83 | 0949 | 0.68 | 0741 |
| 3 | 247 | 3.40 | 14.41 | 1030 | 0.68 | 2314 |
| 3 | 248 | 2.40 | 13.12 | 1336 | 0.68 | 0420 |
| 3 | 249 | 2.22 | 10.57 | 1310 | 0.68 | 2248 |
| 3 | 250 | 0.95 | 3.53 | 0339 | 0.68 | 0052 |
| 3 | 251 | 1.32 | 8.26 | 1644 | 0.68 | 0045 |
| 3 | 252 | 2.49 | 18.41 | 1751 | 0.68 | 0504 |
| 3 | 253 | 4.81 | 20.72 | 0942 | 0.68 | 0252 |
| 3 | 254 | 2.59 | 9.46 | 1058 | 0.68 | 0557 |
| 3 | 255 | 2.39 | 9.54 | 1248 | 0.68 | 2201 |
| 3 | 256 | 2.10 | 6.97 | 1123 | 0.68 | 0924 |
| 3 | 257 | 3.32 | 17.37 | 1209 | 0.68 | 2059 |
| 3 | 258 | 2.92 | 14.90 | 1103 | 0.68 | 0659 |
| 3 | 259 | 2.51 | 12.89 | 1448 | 0.68 | 0137 |
| 3 | 260 | 4.49 | 19.45 | 0458 | 0.68 | 2302 |
| 3 | 261 | 2.84 | 10.95 | 1407 | 0.68 | 0554 |
| 3 | 262 | 2.89 | 13.68 | 0250 | 0.68 | 1837 |
| 3 | 263 | 3.61 | 12.37 | 1524 | 0.68 | 1111 |
| 3 | 264 | 2.74 | 13.44 | 1125 | 0.68 | 2137 |
| 3 | 265 | 2.59 | 12.58 | 1231 | 0.68 | 2138 |
| 3 | 266 | 2.76 | 13.21 | 1848 | 0.68 | 0157 |
| 3 | 267 | 4.64 | 21.70 | 1100 | 0.68 | 0939 |
| 3 | 268 | 4.44 | 24.06 | 1323 | 0.68 | 0307 |
| 3 | 269 | 3.31 | 18.64 | 1044 | 0.68 | 1520 |
| 3 | 270 | 3.99 | 17.55 | 0502 | 0.68 | 2045 |
| 3 | 271 | 1.98 | 12.78 | 1402 | 0.68 | 0607 |
| 3 | 272 | 2.15 | 22.86 | 1324 | 0.68 | 0541 |
| 3 | 273 | 1.43 | 8.79 | 1446 | 0.68 | 0435 |
| 3 | 274 | 6.01 | 30.46 | 1541 | 0.68 | 1006 |
| 3 | 275 | 4.55 | 20.21 | 1450 | 0.68 | 0627 |
| 3 | 276 | 4.54 | 25.34 | 2305 | 0.68 | 1805 |
| 3 | 277 | 9.41 | 37.64 | 1828 | 0.68 | 2225 |
| 3 | 278 | 3.35 | 20.09 | 0150 | 0.68 | 0447 |
| 3 | 279 | 2.89 | 14.14 | 1552 | 0.68 | 0341 |

Table 3. --*Summary of 1987 wind-speed data at the raft station--Continued*

| HEIGHT OF ANEMOMETER ABOVE LAKE SURFACE (m) | JULIAN DAY | DAILY AVERAGE WIND SPEED (mi/h) | DAILY MAXIMUM WIND SPEED (mi/h) | TIME OF MAXIMUM WIND SPEED (h) | DAILY MINIMUM WIND SPEED (mi/h) | TIME OF MINIMUM WIND SPEED (h) |
|---|---|---|---|---|---|---|
| 3 | 280 | 2.06 | 16.92 | 1026 | 0.68 | 0513 |
| 3 | 281 | 4.70 | 17.59 | 2258 | 0.68 | 1005 |
| 3 | 282 | 4.03 | 15.47 | 0935 | 0.68 | 2347 |
| 3 | 283 | 4.11 | 16.30 | 2233 | 0.68 | 0814 |
| 3 | 284 | 2.64 | 15.68 | 0131 | 0.68 | 1232 |
| 3 | 285 | 2.77 | 12.56 | 1340 | 0.68 | 0338 |
| 3 | 286 | 3.52 | 22.74 | 1411 | 0.68 | 0304 |
| 3 | 287 | 2.92 | 13.52 | 1357 | 0.68 | 2056 |
| 3 | 288 | 2.76 | 15.59 | 1622 | 0.68 | 0051 |
| 3 | 289 | 2.04 | 10.59 | 1250 | 0.68 | 0536 |
| 3 | 290 | 2.52 | 14.39 | 1147 | 0.68 | 0844 |
| 3 | 291 | 3.12 | 16.27 | 1215 | 0.68 | 2146 |
| 3 | 292 | 2.03 | 8.58 | 1329 | 0.68 | 0139 |
| 3 | 293 | 2.82 | 13.09 | 1149 | 0.68 | 0301 |
| 3 | 294 | 3.36 | 18.99 | 1837 | 0.68 | 2136 |
| 3 | 295 | 5.72 | 21.01 | 0947 | 0.68 | 2257 |
| 3 | 296 | 1.87 | 6.25 | 1301 | 0.68 | 0316 |
| 3 | 297 | 2.30 | 12.84 | 1206 | 0.68 | 0715 |
| 3 | 298 | 5.25 | 24.42 | 0527 | 0.68 | 0725 |
| 3 | 299 | 5.05 | 30.18 | 0228 | 0.68 | 0928 |
| 3 | 300 | 2.85 | 14.85 | 1228 | 0.68 | 0413 |
| 3 | 301 | 4.08 | 20.42 | 2348 | 0.68 | 0023 |
| 3 | 302 | 4.73 | 20.21 | 1132 | 0.68 | 1830 |
| 3 | 303 | 2.09 | 13.50 | 1351 | 0.68 | 0546 |
| 3 | 304 | 4.43 | 25.73 | 1429 | 0.68 | 0559 |
| 3 | 305 | 3.18 | 19.87 | 1345 | 0.68 | 2123 |
| 3 | 306 | 2.14 | 8.31 | 1139 | 0.68 | 0638 |
| 3 | 307 | 1.28 | 5.23 | 0250 | 0.68 | 1528 |
| 3 | 308 | 1.68 | 10.24 | 1418 | 0.68 | 0005 |
| 3 | 309 | 4.37 | 26.29 | 1220 | 0.68 | 1939 |
| 3 | 310 | 6.58 | 25.61 | 1233 | 0.68 | 2110 |
| 3 | 311 | 3.81 | 19.27 | 1100 | 0.68 | 0402 |
| 3 | 312 | 1.72 | 6.95 | 0205 | 0.68 | 2101 |
| 3 | 313 | 4.18 | 18.09 | 1803 | 0.68 | 0836 |
| 3 | 314 | 6.25 | 19.62 | 2101 | 0.68 | 1551 |
| 3 | 315 | 3.64 | 16.24 | 2315 | 0.68 | 1141 |
| 3 | 316 | 9.09 | 33.64 | 1723 | 0.68 | 0120 |
| 3 | 317 | 3.66 | 16.92 | 0126 | 0.68 | 2147 |
| 3 | 318 | 3.53 | 23.68 | 1725 | 0.68 | 0745 |
| 3 | 319 | 5.24 | 19.35 | 0031 | 0.68 | 2220 |
| 3 | 320 | 1.77 | 11.29 | 1243 | 0.68 | 0008 |
| 3 | 321 | 1.13 | 4.75 | 1724 | 0.68 | 0412 |
| 3 | 322 | 3.66 | 20.12 | 1321 | 0.68 | 0413 |
| 3 | 323 | 3.91 | 18.31 | 0336 | 0.68 | 2358 |

Table 4. --*Summary of 1987 radiation data at the land station*
[(cal/cm²)/d, calories per square centimeter per day;
(cal/cm²)/min, calories per square centimeter per minute; h, hour; blank, no data]

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 106 | 153.1 | 0.76 | 1022 | 672.3 | 0.51 | 1115 | 0.36 | 0415 |
| 107 | 139.5 | 0.60 | 1223 | 709.6 | 0.52 | 1222 | 0.47 | 0127 |
| 108 | 292.7 | 1.71 | 1150 | 744.4 | 0.57 | 1250 | 0.46 | 1711 |
| 109 | 443.3 | 1.63 | 1211 | 716.2 | 0.62 | 1212 | 0.42 | 0226 |
| 110 | 488.7 | 1.49 | 1307 | 708.8 | 1.35 | 1413 | 0.43 | 0050 |
| 111 | 557.2 | 1.50 | 0949 | 741.7 | 0.60 | 1453 | 0.46 | 0709 |
| 112 | 569.4 | 1.44 | 1058 | 610.1 | 0.51 | 0001 | 0.34 | 2330 |
| 113 | 305.7 | 1.27 | 1403 | 642.0 | 0.50 | 1457 | 0.33 | 0144 |
| 114 | 107.0 | 0.38 | 1321 | 635.2 | 0.52 | 0755 | 0.32 | 2318 |
| 115 | 624.3 | 1.37 | 1153 | 515.0 | 0.41 | 1222 | 0.32 | 0638 |
| 116 | 633.8 | 1.37 | 1139 | 505.0 | 0.41 | 1203 | 0.31 | 0505 |
| 117 | 621.0 | 1.36 | 1147 | 500.4 | 0.44 | 1503 | 0.30 | 0425 |
| 118 | 135.0 | 0.75 | 1031 | 602.0 | 0.45 | 1018 | 0.31 | 0031 |
| 119 | 335.5 | 1.61 | 1007 | 631.3 | 0.47 | 1414 | 0.34 | 0815 |
| 120 | 328.0 | 1.80 | 1129 | 612.1 | 0.48 | 0944 | 0.32 | 2355 |
| 121 | 430.4 | 1.59 | 1014 | 550.4 | 0.49 | 1104 | 0.31 | 0133 |
| 122 | 512.8 | 1.73 | 1208 | 581.8 | 0.50 | 1519 | 0.34 | 2357 |
| 123 | 402.3 | 1.38 | 0959 | 575.3 | 0.47 | 1225 | 0.31 | 0444 |
| 124 | 496.9 | 1.47 | 1036 | 579.3 | 0.47 | 1329 | 0.32 | 0504 |
| 125 | 81.0 | 0.28 | 1030 | 689.4 | 0.50 | 1312 | 0.46 | 0431 |
| 126 | 422.6 | 1.93 | 1132 | 709.1 | 0.53 | 0958 | 0.42 | 1455 |
| 127 | 494.6 | 1.63 | 1115 | 636.7 | 0.55 | 1302 | 0.34 | 2321 |
| 128 | 639.0 | 1.73 | 1155 | 553.4 | 0.51 | 1512 | 0.32 | 0437 |
| 129 | 386.5 | 1.26 | 1056 | 609.9 | 0.52 | 1424 | 0.33 | 0436 |
| 130 | 574.0 | 1.57 | 1125 | 648.0 | 0.58 | 1127 | 0.37 | 2349 |
| 131 | 462.6 | 1.50 | 1000 | 655.4 | 0.56 | 1307 | 0.35 | 0425 |
| 132 | 396.7 | 1.57 | 1144 | 634.9 | 0.56 | 0945 | 0.34 | 2358 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 133 | 678.5 | 1.42 | 1141 | 555.4 | 0.45 | 1447 | 0.32 | 0459 |
| 134 | 681.6 | 1.41 | 1137 | 590.7 | 0.48 | 1453 | 0.34 | 0457 |
| 135 | 342.1 | 1.63 | 1303 | 674.9 | 0.58 | 1033 | 0.36 | 2400 |
| 136 | 687.4 | 1.42 | 1137 | 587.9 | 0.52 | 2334 | 0.31 | 0507 |
| 137 | 231.3 | 1.36 | 0950 | 729.7 | 0.56 | 1439 | 0.40 | 0427 |
| 138 | 233.5 | 1.47 | 1333 | 698.7 | 0.54 | 1241 | 0.35 | 2356 |
| 139 | 687.4 | 1.45 | 1201 | 566.1 | 0.50 | 1336 | 0.33 | 0426 |
| 140 | 534.1 | 1.78 | 1226 | 587.4 | 0.53 | 1122 | 0.35 | 0306 |
| 141 | 382.1 | 1.87 | 1049 | 721.1 | 0.58 | 1258 | 0.36 | 0128 |
| 142 | 451.1 | 1.63 | 1201 | 781.1 | 0.61 | 1344 | 0.45 | 0445 |
| 143 | 115.3 | 0.75 | 0708 | 765.8 | 0.59 | 0708 | 0.49 | 2157 |
| 144 | 155.7 | 0.77 | 1204 | 721.0 | 0.53 | 1200 | 0.49 | 0108 |
| 145 | 225.7 | 0.92 | 1331 | 739.7 | 0.55 | 1309 | 0.41 | 2218 |
| 146 | 649.0 | 1.53 | 1224 | 695.5 | 0.55 | 1506 | 0.40 | 0312 |
| 147 | 298.5 | 1.78 | 1154 | 759.6 | 0.58 | 1323 | 0.48 | 0006 |
| 148 | 421.0 | 1.63 | 1145 | 805.0 | 0.63 | 1541 | 0.50 | 0554 |
| 149 | 489.2 | 1.72 | 1043 | 835.0 | 0.66 | 1129 | 0.54 | 1903 |
| 150 | 486.1 | 1.59 | 1137 | 826.0 | 0.66 | 1432 | 0.50 | 2332 |
| 151 | 509.2 | 1.41 | 1143 | 814.0 | 0.64 | 1203 | 0.51 | 0001 |
| 152 | 527.5 | 1.61 | 1221 | 810.0 | 0.64 | 1317 | 0.51 | 0548 |
| 153 | 103.2 | 0.60 | 0754 | 807.0 | 0.59 | 0818 | 0.54 | 2350 |
| 154 | 458.5 | 1.41 | 1134 | 756.3 | 0.56 | 0923 | 0.49 | 1052 |
| 155 | 106.7 | 0.48 | 1007 | 762.7 | 0.56 | 1015 | 0.51 | 0133 |
| 156 | 567.9 | 1.67 | 1222 | 747.2 | 0.61 | 0944 | 0.41 | 2347 |
| 157 | 710.3 | 1.45 | 1134 | 599.0 | 0.50 | 0358 | 0.36 | 2356 |
| 158 | 462.1 | 1.95 | 1233 | 679.4 | 0.54 | 1631 | 0.35 | 0108 |
| 159 | 87.2 | 0.52 | 1314 | 770.3 | 0.58 | 1314 | 0.46 | 0549 |
| 160 | 244.7 | 2.03 | 1132 | 753.4 | 0.58 | 0805 | 0.45 | 1648 |
| 161 | 526.7 | 1.54 | 1105 | 656.6 | 0.53 | 0632 | 0.39 | 2400 |
| 162 | 561.9 | 1.65 | 1140 | 684.2 | 0.58 | 1306 | 0.38 | 0239 |
| 163 | 59.3 | 0.27 | 1526 | 774.4 | 0.57 | 1542 | 0.49 | 1854 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 164 | 401.0 | 1.71 | 1122 | 801.0 | 0.65 | 1151 | 0.50 | 1856 |
| 165 | 648.2 | 1.61 | 1033 | 777.8 | 0.62 | 1339 | 0.48 | 2212 |
| 166 | 656.1 | 1.78 | 1211 | 744.7 | 0.61 | 1211 | 0.45 | 2341 |
| 167 | 585.9 | 1.84 | 1328 | 714.0 | 0.60 | 1404 | 0.41 | 0420 |
| 168 | 711.7 | 1.55 | 1101 | 650.7 | 0.52 | 0013 | 0.40 | 0442 |
| 169 | 668.4 | 1.48 | 1136 | 681.4 | 0.55 | 1325 | 0.40 | 0239 |
| 170 | 499.6 | 1.53 | 1106 | 749.4 | 0.62 | 1157 | 0.43 | 0449 |
| 171 | 626.0 | 1.50 | 1139 | 682.8 | 0.54 | 1218 | 0.39 | 2400 |
| 172 | 659.0 | 1.50 | 1200 | 709.3 | 0.57 | 1142 | 0.38 | 0221 |
| 173 | 179.8 | 0.51 | 0733 | 812.0 | 0.61 | 1403 | 0.50 | 0317 |
| 174 | 440.0 | 2.01 | 1133 | 781.9 | 0.62 | 1125 | 0.47 | 2213 |
| 175 | 674.0 | 1.48 | 1207 | 772.0 | 0.63 | 1405 | 0.48 | 0018 |
| 176 | 177.9 | 0.46 | 1531 | 756.2 | 0.59 | 0600 | 0.43 | 2400 |
| 177 | 213.0 | 1.79 | 1243 | 770.7 | 0.58 | 1243 | 0.43 | 0032 |
| 178 | 59.2 | 0.25 | 1412 | 805.0 | 0.58 | 1445 | 0.55 | 0536 |
| 179 | 558.0 | 1.85 | 1226 | 742.3 | 0.59 | 1303 | 0.43 | 2140 |
| 180 | 567.6 | 1.70 | 1251 | 744.0 | 0.62 | 1607 | 0.42 | 0213 |
| 181 | 417.1 | 1.65 | 1019 | 792.8 | 0.65 | 1026 | 0.46 | 2307 |
| 182 | 428.3 | 1.42 | 1339 | 726.7 | 0.61 | 1401 | 0.44 | 0440 |
| 183 | 364.9 | 1.13 | 0936 | 751.2 | 0.57 | 1217 | 0.43 | 0141 |
| 184 | 104.1 | 0.34 | 1250 | 791.0 | 0.56 | 1250 | 0.54 | 1012 |
| 185 | 399.5 | 1.68 | 1300 | 797.0 | 0.62 | 1301 | 0.48 | 2112 |
| 186 | 692.2 | 1.40 | 1145 | 755.2 | 0.58 | 1658 | 0.47 | 2359 |
| 187 | 393.8 | 1.67 | 1224 | 774.8 | 0.67 | 1224 | 0.47 | 0214 |
| 188 | 360.2 | 1.81 | 1139 | 796.0 | 0.61 | 1139 | 0.47 | 0255 |
| 189 | 494.4 | 1.61 | 1106 | 839.0 | 0.64 | 1326 | 0.51 | 0042 |
| 190 | 528.7 | 1.62 | 1238 | 864.0 | 0.68 | 1143 | 0.54 | 2306 |
| 191 | 539.1 | 1.51 | 1146 | 856.0 | 0.68 | 1441 | 0.55 | 2111 |
| 192 | 555.2 | 1.35 | 1211 | 863.0 | 0.66 | 1425 | 0.55 | 0439 |
| 193 | 420.7 | 1.40 | 1202 | 896.0 | 0.67 | 1324 | 0.58 | 1906 |
| 194 | 224.9 | 1.13 | 1338 | 916.0 | 0.67 | 1222 | 0.58 | 0126 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 195 | 234.5 | 1.30 | 1113 | 899.0 | 0.66 | 1148 | 0.57 | 2340 |
| 196 | 637.9 | 1.66 | 1152 | 697.0 | 0.58 | 0205 | 0.40 | 2400 |
| 197 | 606.2 | 1.88 | 1300 | 677.7 | 0.59 | 1303 | 0.40 | 0029 |
| 198 | 636.2 | 1.71 | 0000 | 703.3 | 0.58 | 1220 | 0.41 | 0001 |
| 199 | 587.2 | 1.38 | 1242 | 807.0 | 0.65 | 1521 | 0.44 | 0115 |
| 200 | 455.8 | 1.71 | 1317 | 751.8 | 0.60 | 1413 | 0.45 | 1941 |
| 201 | 115.3 | 0.95 | 0826 | 813.0 | 0.61 | 1136 | 0.47 | 0022 |
| 202 | 277.9 | 1.90 | 1110 | 842.0 | 0.66 | 1412 | 0.48 | 2040 |
| 203 | 469.6 | 1.64 | 1119 | 810.0 | 0.66 | 1125 | 0.48 | 2315 |
| 204 | 624.1 | 1.70 | 1230 | 784.0 | 0.66 | 1231 | 0.49 | 0003 |
| 205 | 550.4 | 1.34 | 1211 | 807.0 | 0.65 | 1235 | 0.48 | 2400 |
| 206 | 336.5 | 1.62 | 1147 | 785.2 | 0.64 | 1148 | 0.48 | 0006 |
| 207 | 465.4 | 1.66 | 1222 | 737.9 | 0.62 | 1310 | 0.40 | 2349 |
| 208 | 533.1 | 1.75 | 1205 | 672.9 | 0.59 | 0013 | 0.88 | 0044 |
| 209 | 680.8 | 1.45 | 1029 | 625.2 | 0.49 | 0236 | 0.36 | 2400 |
| 210 | 661.7 | 1.65 | 1219 | 607.4 | 0.53 | 1244 | 0.35 | 0208 |
| 211 | 431.9 | 1.69 | 1115 | 693.8 | 0.59 | 1258 | 0.40 | 0024 |
| 212 | 599.6 | 1.64 | 1035 | 617.5 | 0.52 | 1506 | 0.35 | 2400 |
| 213 | 659.5 | 1.38 | 1218 | 588.6 | 0.49 | 1434 | 0.34 | 2359 |
| 214 | 599.6 | 1.60 | 1202 | 646.9 | 0.54 | 1814 | 0.33 | 0119 |
| 215 | 179.7 | 1.48 | 1325 | 738.3 | 0.60 | 1313 | 0.41 | 2344 |
| 216 | 578.6 | 1.30 | 1203 | | | | | |
| 217 | 493.0 | 1.66 | 1035 | | | | | |
| 218 | 588.9 | 1.57 | 1004 | | | | | |
| 219 | 357.0 | 1.59 | 1252 | | | | | |
| 220 | 511.3 | 1.48 | 1154 | | | | | |
| 221 | 462.2 | 1.39 | 1049 | | | | | |
| 222 | 83.1 | 0.24 | 1146 | 820.0 | 0.61 | 0234 | 0.51 | 2004 |
| 223 | 516.1 | 1.60 | 1040 | 733.9 | 0.61 | 0808 | 0.43 | 2343 |
| 224 | 576.2 | 1.32 | 1337 | 731.7 | 0.63 | 1557 | 0.42 | 0012 |
| 225 | 597.0 | 1.32 | 1150 | 757.1 | 0.58 | 1257 | 0.49 | 2249 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 226 | 537.4 | 1.39 | 1117 | 788.6 | 0.63 | 1316 | 0.48 | 0059 |
| 227 | 467.5 | 1.53 | 1039 | 824.0 | 0.67 | 1229 | 0.52 | 2347 |
| 228 | 558.0 | 1.27 | 1208 | 818.0 | 0.63 | 1216 | 0.52 | 0048 |
| 229 | 532.4 | 1.31 | 1137 | 854.0 | 0.68 | 1137 | 0.54 | 0129 |
| 230 | 552.3 | 1.36 | 1139 | 800.0 | 0.63 | 1435 | 0.48 | 2400 |
| 231 | 500.7 | 1.43 | 1107 | 784.9 | 0.64 | 1303 | 0.47 | 0155 |
| 232 | 498.9 | 1.56 | 1250 | 757.0 | 0.61 | 1245 | 0.45 | 2356 |
| 233 | 471.5 | 1.47 | 1213 | 708.0 | 0.60 | 1315 | 0.44 | 0133 |
| 234 | 80.4 | 0.45 | 0712 | 792.5 | 0.61 | 2004 | 0.46 | 0001 |
| 235 | 517.0 | 1.74 | 1216 | 638.1 | 0.55 | 1212 | 0.39 | 2351 |
| 236 | 553.2 | 1.71 | 1139 | 606.9 | 0.54 | 1405 | 0.36 | 0506 |
| 237 | 341.3 | 1.72 | 1128 | 663.8 | 0.58 | 1128 | 0.37 | 0035 |
| 238 | 527.3 | 1.58 | 1121 | 662.9 | 0.52 | 1107 | 0.41 | 1859 |
| 239 | 197.7 | 0.71 | 1032 | 727.7 | 0.55 | 1334 | 0.42 | 0015 |
| 240 | 130.7 | 0.51 | 1128 | 767.8 | 0.56 | 1129 | 0.52 | 2111 |
| 241 | 115.7 | 0.56 | 1435 | 764.4 | 0.56 | 1435 | 0.47 | 2121 |
| 242 | 492.6 | 1.38 | 1132 | 695.6 | 0.59 | 1423 | 0.44 | 2104 |
| 243 | 384.4 | 1.42 | 1124 | 762.4 | 0.60 | 1151 | 0.47 | 0022 |
| 244 | 437.0 | 1.57 | 1137 | 744.3 | 0.58 | 1137 | 0.46 | 1635 |
| 245 | 352.6 | 1.57 | 1157 | 700.5 | 0.57 | 1238 | 0.40 | 2120 |
| 246 | 434.0 | 1.64 | 1125 | 649.5 | 0.56 | 1125 | 0.38 | 2400 |
| 247 | 522.6 | 1.20 | 1143 | 625.8 | 0.50 | 1526 | 0.38 | 0008 |
| 248 | 493.8 | 1.19 | 1150 | 680.3 | 0.54 | 1251 | 0.41 | 0004 |
| 249 | 325.6 | 1.43 | 1206 | 727.9 | 0.59 | 1301 | 0.46 | 0100 |
| 250 | 134.6 | 0.62 | 1138 | 807.0 | 0.61 | 1458 | 0.48 | 0008 |
| 251 | 155.4 | 0.61 | 0927 | 850.0 | 0.63 | 1432 | 0.55 | 0115 |
| 252 | 169.7 | 1.22 | 1122 | 847.0 | 0.66 | 1122 | 0.49 | 2234 |
| 245 | 352.6 | 1.57 | 1157 | 700.5 | 0.57 | 1238 | 0.40 | 2120 |
| 246 | 434.0 | 1.64 | 1125 | 649.5 | 0.56 | 1125 | 0.38 | 2400 |
| 247 | 522.6 | 1.20 | 1143 | 625.8 | 0.50 | 1526 | 0.38 | 0008 |
| 248 | 493.8 | 1.19 | 1150 | 680.3 | 0.54 | 1251 | 0.41 | 0004 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 249 | 325.6 | 1.43 | 1206 | 727.9 | 0.59 | 1301 | 0.46 | 0100 |
| 250 | 134.6 | 0.62 | 1138 | 807.0 | 0.61 | 1458 | 0.48 | 0008 |
| 251 | 155.4 | 0.61 | 0927 | 850.0 | 0.63 | 1432 | 0.55 | 0115 |
| 252 | 169.7 | 1.22 | 1122 | 847.0 | 0.66 | 1122 | 0.49 | 2234 |
| 253 | 402.4 | 1.40 | 1108 | 788.0 | 0.63 | 1304 | 0.49 | 2224 |
| 254 | 119.7 | 0.73 | 0942 | 823.0 | 0.59 | 0942 | 0.56 | 0619 |
| 255 | 95.4 | 0.61 | 0933 | 803.0 | 0.58 | 0857 | 0.54 | 2313 |
| 256 | 58.2 | 0.22 | 0957 | 799.0 | 0.56 | 2211 | 0.54 | 0153 |
| 257 | 373.8 | 1.35 | 1115 | 736.2 | 0.59 | 1129 | 0.42 | 2148 |
| 258 | 413.3 | 1.38 | 1205 | 700.5 | 0.56 | 1251 | 0.41 | 2240 |
| 259 | 449.3 | 1.14 | 1124 | 703.4 | 0.56 | 1521 | 0.45 | 2144 |
| 260 | 426.0 | 1.30 | 1143 | 657.6 | 0.56 | 0125 | 0.41 | 2038 |
| 261 | 94.7 | 0.30 | 1043 | 742.0 | 0.53 | 1429 | 0.46 | 0041 |
| 262 | 118.1 | 1.14 | 1149 | 752.6 | 0.56 | 1149 | 0.51 | 1713 |
| 263 | 65.2 | 0.35 | 1150 | 768.8 | 0.56 | 1254 | 0.52 | 0058 |
| 264 | 203.4 | 1.06 | 0913 | 779.3 | 0.58 | 1133 | 0.51 | 1801 |
| 265 | 144.0 | 0.88 | 1310 | 729.6 | 0.56 | 1311 | 0.40 | 2400 |
| 266 | 259.9 | 1.43 | 1142 | 702.9 | 0.57 | 1145 | 0.40 | 0007 |
| 267 | 396.1 | 1.19 | 1202 | 644.7 | 0.54 | 0155 | 0.37 | 2158 |
| 268 | 236.4 | 1.45 | 1151 | 614.3 | 0.51 | 1233 | 0.35 | 2118 |
| 269 | 226.3 | 1.44 | 1125 | 628.3 | 0.54 | 1053 | 0.35 | 0219 |
| 270 | 416.5 | 1.05 | 1140 | 554.6 | 0.44 | 1230 | 0.35 | 0557 |
| 271 | 283.7 | 1.07 | 1224 | 707.1 | 0.57 | 1259 | 0.40 | 0003 |
| 272 | 341.3 | 1.00 | 1105 | 727.6 | 0.60 | 1151 | 0.46 | 2242 |
| 273 | 39.4 | 0.18 | 1121 | 780.4 | 0.58 | 1410 | 0.46 | 0111 |
| 274 | 184.9 | 1.00 | 1159 | 688.5 | 0.53 | 0319 | 0.36 | 2359 |
| 275 | 371.4 | 1.19 | 1132 | 644.9 | 0.54 | 2353 | 0.36 | 0056 |
| 276 | 77.8 | 0.81 | 1347 | 754.1 | 0.55 | 0812 | 0.45 | 1414 |
| 277 | 112.8 | 1.32 | 1113 | 651.4 | 0.51 | 0215 | 0.35 | 2350 |
| 278 | 353.1 | 0.92 | 1140 | 601.2 | 0.49 | 1308 | 0.34 | 0202 |
| 279 | 357.8 | 0.95 | 1146 | 641.5 | 0.49 | 1249 | 0.42 | 2322 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 280 | 21.2 | 0.13 | 0915 | 745.1 | 0.56 | 1825 | 0.42 | 0009 |
| 281 | 229.6 | 1.20 | 1236 | 659.7 | 0.53 | 0029 | 0.33 | 2400 |
| 282 | 359.7 | 0.93 | 1132 | 580.1 | 0.49 | 2035 | 0.32 | 0457 |
| 283 | 223.7 | 1.07 | 1154 | 617.3 | 0.52 | 1200 | 0.36 | 0128 |
| 284 | 52.9 | 0.23 | 1431 | 645.1 | 0.47 | 1559 | 0.39 | 2359 |
| 285 | 330.1 | 1.02 | 1202 | 558.4 | 0.45 | 1542 | 0.32 | 2246 |
| 286 | 341.0 | 1.01 | 1237 | 527.3 | 0.46 | 1342 | 0.32 | 2354 |
| 287 | 357.4 | 0.90 | 1144 | 528.0 | 0.41 | 1307 | 0.32 | 0027 |
| 288 | 319.5 | 0.85 | 1128 | 584.3 | 0.47 | 1257 | 0.35 | 0054 |
| 289 | 270.5 | 0.92 | 1053 | 620.2 | 0.53 | 0952 | 0.38 | 0403 |
| 290 | 190.9 | 1.09 | 1018 | 670.9 | 0.52 | 2359 | 0.40 | 0047 |
| 291 | 313.3 | 0.92 | 1143 | 686.4 | 0.52 | 0640 | 0.39 | 2359 |
| 292 | 314.2 | 0.91 | 1009 | 587.9 | 0.48 | 1009 | 0.36 | 0456 |
| 293 | 233.3 | 1.04 | 1137 | 677.5 | 0.52 | 1905 | 0.38 | 0048 |
| 294 | 40.8 | 0.32 | 0919 | 709.4 | 0.53 | 1123 | 0.37 | 1953 |
| 295 | 226.1 | 1.07 | 1156 | 522.6 | 0.48 | 1156 | 0.32 | 2400 |
| 296 | 158.2 | 1.06 | 1111 | 621.7 | 0.48 | 1808 | 0.32 | 0036 |
| 297 | 234.5 | 0.94 | 0933 | 649.3 | 0.52 | 1946 | 0.41 | 0327 |
| 298 | 274.7 | 0.92 | 1051 | 616.4 | 0.52 | 0457 | 0.34 | 2400 |
| 299 | 291.0 | 0.82 | 1133 | 481.2 | 0.38 | 1140 | 0.30 | 2222 |
| 300 | 245.6 | 0.92 | 1206 | 566.5 | 0.50 | 2301 | 0.30 | 0028 |
| 301 | 25.5 | 0.13 | 1024 | 707.5 | 0.54 | 1235 | 0.35 | 2400 |
| 302 | 256.9 | 0.98 | 1230 | 521.4 | 0.46 | 0302 | 0.32 | 0608 |
| 303 | 181.7 | 1.01 | 1121 | 613.1 | 0.47 | 1751 | 0.35 | 0846 |
| 304 | 112.4 | 0.98 | 1237 | 620.8 | 0.50 | 0937 | 0.35 | 1925 |
| 305 | 253.7 | 0.75 | 1138 | 535.0 | 0.44 | 0205 | 0.33 | 2317 |
| 306 | 276.6 | 0.76 | 1118 | 517.3 | 0.42 | 0656 | 0.32 | 2054 |
| 307 | 45.4 | 0.23 | 1117 | 684.9 | 0.51 | 2359 | 0.35 | 0001 |
| 308 | 166.1 | 1.05 | 1015 | 719.9 | 0.54 | 1933 | 0.46 | 2058 |
| 309 | 136.4 | 0.86 | 1128 | 615.2 | 0.54 | 0738 | 0.33 | 2247 |
| 310 | 115.3 | 0.86 | 1152 | 572.2 | 0.45 | 0304 | 0.30 | 2400 |

Table 4. --*Summary of 1987 radiation data at the land station--Continued*

| JULIAN DAY | DAILY TOTAL SHORT-WAVE SOLAR RADIATION [(cal/cm²)/d] | DAILY 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] | DAILY MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MAXIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) | DAILY MINIMUM LONG-WAVE ATMOSPHERIC RADIATION [(cal/cm²)/min] | TIME OF MINIMUM LONG-WAVE ATMOSPHERIC RADIATION (h) |
|---|---|---|---|---|---|---|---|---|
| 311 | 224.6 | 1.03 | 1101 | 504.7 | 0.45 | 0900 | 0.28 | 0017 |
| 312 | 69.8 | 0.49 | 0824 | 597.6 | 0.47 | 1845 | 0.31 | 0028 |
| 313 | 82.5 | 0.47 | 1220 | 667.8 | 0.51 | 1328 | 0.40 | 1800 |
| 314 | 48.3 | 0.28 | 1209 | 614.0 | 0.44 | 0013 | 0.41 | 2339 |
| 315 | 72.0 | 0.35 | 1154 | 614.5 | 0.45 | 1232 | 0.36 | 0507 |
| 316 | 112.0 | 0.55 | 1202 | 545.4 | 0.43 | 2326 | 0.30 | 1616 |
| 317 | 117.1 | 0.87 | 1100 | 602.0 | 0.48 | 1403 | 0.35 | 2028 |
| 318 | 78.9 | 0.72 | 1235 | 637.1 | 0.50 | 1330 | 0.37 | 2015 |
| 319 | 212.0 | 0.66 | 1138 | 489.2 | 0.41 | 0003 | 0.31 | 2101 |
| 320 | 205.5 | 0.64 | 1000 | 513.0 | 0.42 | 2355 | 0.32 | 0539 |
| 321 | 27.9 | 0.14 | 1115 | 672.2 | 0.51 | 2250 | 0.39 | 0051 |
| 322 | 122.5 | 0.75 | 1130 | 671.7 | 0.55 | 0400 | 0.36 | 2132 |
| 323 | 162.8 | 0.79 | 1135 | 517.7 | 0.47 | 0115 | 0.31 | 2240 |