

June 2002

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

| Day | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Daily |
|-----|---|---|---|---|------|------|------|------|-----|------|-------|-------|-------|-------|------|-------|------|------|------|------|----|----|----|----|-------|
| 1 | 0 | 0 | 0 | 0 | 2 | 51 | 209 | 408 | 601 | 763 | 607 | 952 | 856 | 719 | 759 | 643 | 348 | 191 | 32 | 0 | 0 | 0 | 0 | 0 | 7140 |
| 2 | 0 | 0 | 0 | 0 | 1 | 48 | 205 | 402 | 602 | 769 | 891 | 962 | 962 | 901 | 782 | 609 | 412 | 181 | 42 | 0 | 0 | 0 | 0 | 0 | 7769 |
| 3 | 0 | 0 | 0 | 0 | 1 | 45 | 192 | 387 | 587 | 749 | 773 | 630 | 695 | 776 | 578 | 430 | 396 | 231 | 42 | 0 | 0 | 0 | 0 | 0 | 6513 |
| 4 | 0 | 0 | 0 | 0 | 1 | 42 | 197 | 395 | 596 | 752 | 884 | 956 | 974 | 902 | 802 | 446 | 357 | 214 | 50 | 0 | 0 | 0 | 0 | 0 | 7569 |
| 5 | 0 | 0 | 0 | 0 | 2 | 48 | 210 | 385 | 600 | 686 | 489 | 309 | 561 | 536 | 286 | 582 | 392 | 120 | 12 | 3 | 0 | 0 | 0 | 0 | 5221 |
| 6 | 0 | 0 | 0 | 0 | 1 | 34 | 197 | 285 | 456 | 595 | 739 | 772 | 975 | 782 | 786 | 552 | 383 | 207 | 53 | 3 | 0 | 0 | 0 | 0 | 6819 |
| 7 | 0 | 0 | 0 | 0 | 2 | 51 | 215 | 420 | 600 | 712 | 741 | 977 | 980 | 916 | 796 | 624 | 411 | 145 | 49 | 2 | 0 | 0 | 0 | 0 | 7642 |
| 8 | 0 | 0 | 0 | 0 | 3 | 42 | 176 | 384 | 594 | 753 | 912 | 692 | 713 | 526 | 613 | 519 | 385 | 99 | 27 | 1 | 0 | 0 | 0 | 0 | 6439 |
| 9 | 0 | 0 | 0 | 0 | 1 | 22 | 96 | 274 | 533 | 717 | 820 | 687 | 533 | 365 | 475 | 385 | 154 | 127 | 31 | 0 | 0 | 0 | 0 | 0 | 5222 |
| 10 | 0 | 0 | 0 | 0 | 0 | 13 | 38 | 73 | 154 | 332 | 302 ? | 453 | 686 | 733 | 729 | 286 | 201 | 136 | 35 | 0 | 0 | 0 | 0 | 0 | 4172 |
| 11 | 0 | 0 | 0 | 0 | 6 | 29 | 124 | 158 | 329 | 555 | 725 | 941 | 841 | 704 | 681 | 482 | 331 | 228 | 59 | 0 | 0 | 0 | 0 | 0 | 6193 |
| 12 | 0 | 0 | 0 | 0 | 3 | 59 | 243 | 417 | 611 | 766 | 885 | 913 | 932 | 915 | 681 | 393 | 155 | 77 | 40 | 9 | 0 | 0 | 0 | 0 | 7096 |
| 13 | 0 | 0 | 0 | 0 | 0 | 22 | 114 | 282 | 485 | 759 | 876 | 951 | 965 | 624 | 670 | 411 | 56 | 53 ? | 3 ? | 0 | 0 | 0 | 0 | 0 | 6270 |
| 14 | 0 | 0 | 0 | 0 | 0 | 26 | 65 | 145 | 326 | 446 | 526 | 926 | 947 | 912 | 815 | 653 | 452 | 235 | 61 | 1 | 0 | 0 | 0 | 0 | 6536 |
| 15 | 0 | 0 | 0 | 0 | 1 | 52 | 227 | 435 | 642 | 814 | 926 | 1004 | 1001 | 936 | 818 | 652 | 453 | 232 | 57 | 0 | 0 | 0 | 0 | 0 | 8249 |
| 16 | 0 | 0 | 0 | 0 | 1 | 34 | 144 | 221 | 241 | 170 | 447 | 180 ? | 151 | 229 | 179 | 98 | 203 | 80 | 22 | 2 | 0 | 0 | 0 | 0 | 2403 |
| 17 | 0 | 0 | 0 | 0 | 2 | 50 | 215 | 414 | 615 | 786 | 916 | 975 | 895 | 818 | 779 | 623 | 433 | 227 | 56 | 1 | 0 | 0 | 0 | 0 | 7806 |
| 18 | 0 | 0 | 0 | 0 | 2 | 49 | 210 | 412 | 609 | 773 | 899 | 958 | 933 | 711 | 629 | 612 | 392 | 216 | 59 | 2 | 0 | 0 | 0 | 0 | 7466 |
| 19 | 0 | 0 | 0 | 0 | 2 | 46 | 197 | 396 | 593 | 649 | 807 | 876 | 805 | 840 | 710 | 501 | 395 | 215 | 47 | 2 | 0 | 0 | 0 | 0 | 7081 |
| 20 | 0 | 0 | 0 | 0 | 2 | 47 | 198 | 380 | 582 | 800 | 519 | 494 | 505 | 642 | 641 | 600 | 433 | 231 | 59 | 4 | 0 | 0 | 0 | 0 | 6137 |
| 21 | 0 | 0 | 0 | 0 | 1 | 42 | 189 | 387 | 587 | 754 | 879 | 943 | 926 | 878 | 772 | 596 | 310 | 205 | 44 | 5 | 0 | 0 | 0 | 0 | 7516 |
| 22 | 0 | 0 | 0 | 0 | 1 | 33 | 149 | 252 | 617 | 750 | 843 | 864 | 535 | 877 | 791 | 515 | 264 | 137 | 56 | 7 | 0 | 0 | 0 | 0 | 6690 |
| 23 | 0 | 0 | 0 | 0 | 0 | 12 | 76 | 145 | 277 | 508 | 696 | 402 | 851 | 603 | 662 | 133 | 236 | 193 | 36 | 7 | 0 | 0 | 0 | 0 | 4836 |
| 24 | 0 | 0 | 0 | 0 | 1 | 54 | 132 | 353 | 518 | 604 | 613 | 858 | 541 | 185 ? | 572 | 671 | 290 | 144 | 9 | 0 | 0 | 0 | 0 | 0 | 5545 |
| 25 | 0 | 0 | 0 | 0 | 5 | 58 | 231 | 396 | 589 | 743 | 812 | 712 | 661 | 471 | 359 | 451 | 267 | 267 | 78 | 14 | 0 | 0 | 0 | 0 | 6114 |
| 26 | 0 | 0 | 0 | 0 | 1 | 40 | 210 | 409 | 426 | 754 | 656 | 870 | 482 | 905 | 764 | 406 | 436 | 148 | 35 | 3 | 0 | 0 | 0 | 0 | 6545 |
| 27 | 0 | 0 | 0 | 0 | 1 | 17 | 57 | 166 | 275 | 435 | 332 | 240 | 715 | 687 | 698 | 204 ? | 95 | 136 | 72 | 15 | 0 | 0 | 0 | 0 | 4145 |
| 28 | 0 | 0 | 0 | 0 | 1 | 24 | 42 | 154 | 306 | 466 | 463 | 138 ? | 100 ? | 183 | 302 | 279 | 257 | 165 | 77 | 11 | 0 | 0 | 0 | 0 | 2969 |
| 29 | 0 | 0 | 0 | 0 | 5 | 30 | 80 | 141 | 266 | 504 | 761 | 755 | 692 | 622 | 623 | 401 | 303 | 128 | 52 | 1 | 0 | 0 | 0 | 0 | 5365 |
| 30 | 0 | 0 | 0 | 0 | 1 | 22 | 130 | 481 | 541 | 693 | 856 | 894 | 926 | 877 | 741 | 570 | 228 | 143 | 41 | 1 | 0 | 0 | 0 | 0 | 7144 |
| Avg | 0 | 0 | 0 | 0 | 2 | 38 | 159 | 318 | 492 | 652 | 720 | 743 | 745 | 693 | 650 | 478 | 314 | 170 | 45 | 3 | 0 | 0 | 0 | 0 | 6220 |
| S/D | 0 | 0 | 0 | 0 | 1 | 14 | 63 | 116 | 146 | 158 | 183 | 265 | 237 | 224 | 170 | 156 | 110 | 55 | 18 | 4 | 0 | 0 | 0 | 0 | 1426 |
| S/A | 0 | 0 | 0 | 0 | 0.88 | 0.36 | 0.39 | 0.36 | 0.3 | 0.24 | 0.25 | 0.36 | 0.32 | 0.32 | 0.26 | 0.33 | 0.35 | 0.32 | 0.42 | 1.41 | 0 | 0 | 0 | 0 | 0.23 |
| Min | 0 | 0 | 0 | 0 | 0 | 12 | 38 | 73 | 154 | 170 | 302 | 138 | 100 | 183 | 179 | 98 | 56 | 53 | 3 | 0 | 0 | 0 | 0 | 0 | 2403 |
| Max | 0 | 0 | 0 | 0 | 6 | 59 | 243 | 481 | 642 | 814 | 926 | 1004 | 1001 | 936 | 818 | 671 | 453 | 267 | 78 | 15 | 0 | 0 | 0 | 0 | 8249 |
| n | 0 | 0 | 0 | 0 | 57 | 360 | 357 | 359 | 360 | 359 | 354 | 351 | 353 | 348 | 360 | 356 | 358 | 353 | 357 | 48 | 0 | 0 | 0 | 0 | 5090 |

Daylight Data Recovery: 0.0% missing; 1.1% exceed the 15% QC threshold -- 5145 total daylight measurements.

Instrument: Eppley PSP Serial Number: 18036F3 Calibration Factor: 7.430 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 05/1998

| Data & Flag | Hour Column | Day Column |
|-------------|---------------|---------------|
| <value> * | > 20% Missing | > 10% Missing |
| <value> ? | > 20% Fail QC | > 10% Fail QC |
| <blank> * | > 90% Missing | > 90% Missing |
| <blank> ? | > 90% Fail QC | > 90% Fail QC |

Note: Daily values with a missing flag (*) are not used in monthly statistics.

June 2002

Direct Normal Solar Radiation
 Hourly Integrated and Daily Totals
 Instrument: Eppley NIP
 Watt-Hours per Square Meter

| Day | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Daily | |
|-----|---|---|---|---|-------|-------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-------|-------|----|----|----|----|-------|---|
| 1 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * | |
| 2 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 3 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 4 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 5 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | ? | 0 | 0 | 0 | 0 | 0 | * |
| 6 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 7 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 8 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 9 | 0 | 0 | 0 | 0 | * | * | * | * | ? | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 10 | 0 | 0 | 0 | 0 | * | * | * | * | * | 8 ? | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 11 | 0 | 0 | 0 | 0 | 319 ? | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 12 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 13 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 350 ? | 595 ? | 0 | 0 | 0 | 0 | 0 | * |
| 14 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 15 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 16 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 17 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 18 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 19 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 20 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 21 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 22 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 23 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 24 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 25 | 0 | 0 | 0 | 0 | * | ? | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 26 | 0 | 0 | 0 | 0 | * | 501 * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 27 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 28 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 29 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| 30 | 0 | 0 | 0 | 0 | * | * | ? | ? | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * |
| Avg | 0 | 0 | 0 | 0 | 319 | 501 | N/A | N/A | N/A | N/A | 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 350 | 298 | 0 | 0 | 0 | 0 | N/A | * |
| SD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 421 | 0 | 0 | 0 | 0 | 0 | 0 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.41 | 0 | 0 | 0 | 0 | 0 | 0 |
| Min | 0 | 0 | 0 | 0 | 319 | 501 | N/A | N/A | N/A | N/A | 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 350 | 0 | 0 | 0 | 0 | 0 | N/A | |
| Max | 0 | 0 | 0 | 0 | 319 | 501 | N/A | N/A | N/A | N/A | 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 350 | 595 | 0 | 0 | 0 | 0 | N/A | |
| n | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

Daylight Data Recovery: 97.6% missing; 2.1% exceed the 15% QC threshold -- 5145 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25796E6 Calibration Factor: 8.670 μV/W/m² Calibration Date: 05/1998

| Data & Flag | Hour Column | Day Column |
|-------------|---------------|---------------|
| <value> * | > 20% Missing | > 10% Missing |
| <value> ? | > 20% Fail QC | > 10% Fail QC |
| <blank> * | > 90% Missing | > 90% Missing |
| <blank> ? | > 90% Fail QC | > 90% Fail QC |

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Mississippi Valley State University
33.5 N Latitude 90.33 W Longitude 52 Meters AMSL Time Zone -6

June 2002

Diffuse Solar Radiation (Shadow Band) on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

| Day | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Daily |
|-----|---|---|---|---|-----|----|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|------|-----|------|----|----|----|----|--------|
| 1 | 0 | 0 | 0 | 0 | 4 ? | 51 | 159 ? | ? | 450 | 259 | 216 | 188 | 263 | 285 | 230 | 191 | 136 | 85 | 28 | 0 | 0 | 0 | 0 | 0 | 2545 ? |
| 2 | 0 | 0 | 0 | 0 | 2 | 50 | 155 ? | ? | 548 ? | 335 | 180 | 169 | 161 | 166 | 141 | 149 | 116 | 84 | 34 | 0 | 0 | 0 | 0 | 0 | 2291 ? |
| 3 | 0 | 0 | 0 | 0 | 1 | 49 | 198 ? | ? | ? | 490 | 346 | 346 | 350 | 321 | 313 | 246 | 200 | 168 | 37 | 1 | 0 | 0 | 0 | 0 | 3066 ? |
| 4 | 0 | 0 | 0 | 0 | 1 | 47 | 181 ? | ? | ? | 552 ? | 263 | 257 | 189 | 167 | 190 | 162 | 139 | 103 | 35 | 0 | 0 | 0 | 0 | 0 | 2286 ? |
| 5 | 0 | 0 | 0 | 0 | 2 | 53 | 191 ? | 339 ? | ? | 566 ? | 350 | 291 | 402 | 275 | 264 | 308 | 151 | 87 | 12 | 2 | 0 | 0 | 0 | 0 | 3294 ? |
| 6 | 0 | 0 | 0 | 0 | 1 | 38 | 189 ? | 273 | 429 ? | 472 ? | 449 | 358 | 233 | 215 | 161 | 205 | 133 | 84 | 38 | 3 | 0 | 0 | 0 | 0 | 3282 |
| 7 | 0 | 0 | 0 | 0 | 2 | 58 | 170 ? | ? | ? | 463 ? | 355 | 164 | 139 | 128 | 135 | 133 | 142 | 102 | 36 | 3 | 0 | 0 | 0 | 0 | 2028 ? |
| 8 | 0 | 0 | 0 | 0 | 5 ? | 45 | 147 ? | 284 ? | ? | ? | 597 ? | 338 | 335 | 330 | 365 | 349 | 267 | 94 | 28 | 0 | 0 | 0 | 0 | 0 | 3186 ? |
| 9 | 0 | 0 | 0 | 0 | 1 | 23 | 101 | 286 | 419 ? | 597 ? | 703 ? | 514 | 359 | 307 | 356 | 304 | 134 | 121 | 32 | 0 | 0 | 0 | 0 | 0 | 4257 ? |
| 10 | 0 | 0 | 0 | 0 | 0 | 14 | 39 | 76 | 162 | 345 | 302 | 464 | 575 | 301 | 279 | 275 | 204 | 129 | 37 | 0 | 0 | 0 | 0 | 0 | 3202 |
| 11 | 0 | 0 | 0 | 0 | 8 ? | 31 | 132 | 168 | 336 | 545 | 613 ? | 428 | 322 | 402 | 329 | 228 | 150 | 99 | 44 | 0 | 0 | 0 | 0 | 0 | 3836 |
| 12 | 0 | 0 | 0 | 0 | 3 | 56 | ? | ? | ? | ? | 719 ? | 379 | 258 | 309 | 460 | 299 | 162 | 79 | 40 | 12 ? | 0 | 0 | 0 | 0 | 2777 ? |
| 13 | 0 | 0 | 0 | 0 | 0 | 23 | 122 | 296 | 429 ? | ? | ? | 432 | 426 | 333 | 240 | 219 | 59 | 40 ? | 2 ? | 0 | 0 | 0 | 0 | 0 | 2622 ? |
| 14 | 0 | 0 | 0 | 0 | 1 | 28 | 68 | 152 | 310 | 426 | 453 | 507 | 229 | 139 | 112 | 83 | 74 | 63 | 31 | 2 | 0 | 0 | 0 | 0 | 2677 |
| 15 | 0 | 0 | 0 | 0 | 1 | 60 | ? | ? | ? | ? | ? | 410 | 111 | 113 | 91 | 82 | 76 | 58 | 28 | 0 | 0 | 0 | 0 | 0 | 1030 ? |
| 16 | 0 | 0 | 0 | 0 | 1 | 36 | 154 | 232 | 252 | 179 | 458 | 134 | 150 | 241 | 186 | 104 | 214 | 85 | 23 | 2 | 0 | 0 | 0 | 0 | 2452 |
| 17 | 0 | 0 | 0 | 0 | 2 | 54 | ? | ? | ? | ? | ? | 471 ? | 183 | 163 | 136 | 104 | 86 | 69 | 34 | 2 | 0 | 0 | 0 | 0 | 1304 ? |
| 18 | 0 | 0 | 0 | 0 | 2 | 55 | 170 ? | ? | ? | ? | ? | 570 ? | 254 | 252 | 237 | 191 | 155 | 102 | 45 | 3 | 0 | 0 | 0 | 0 | 2036 ? |
| 19 | 0 | 0 | 0 | 0 | 2 | 51 | 178 ? | ? | ? | 558 ? | 698 ? | 536 ? | 274 | 228 | 214 | 199 | 134 | 90 | 35 | 2 | 0 | 0 | 0 | 0 | 3198 ? |
| 20 | 0 | 0 | 0 | 0 | 2 | 53 | 178 ? | ? | ? | ? | 475 | 422 | 302 | 268 | 199 | 186 | 120 | 113 | 41 | 6 | 0 | 0 | 0 | 0 | 2363 ? |
| 21 | 0 | 0 | 0 | 0 | 1 | 46 | 180 ? | ? | ? | ? | ? | 584 ? | 277 | 243 | 246 | 273 | 188 | 133 | 44 | 5 | 0 | 0 | 0 | 0 | 2220 ? |
| 22 | 0 | 0 | 0 | 0 | 1 | 35 | 132 | 257 | ? | ? | ? | 670 ? | 402 | 355 | 364 | 347 | 251 | 140 | 56 | 8 | 0 | 0 | 0 | 0 | 3017 ? |
| 23 | 0 | 0 | 0 | 0 | 0 | 12 | 79 | 154 | 289 | 474 | 486 ? | 409 | 423 | 326 | 438 | 135 | 167 | 120 | 37 | 8 | 0 | 0 | 0 | 0 | 3556 |
| 24 | 0 | 0 | 0 | 0 | 1 | 51 | 133 | 287 ? | 464 ? | 487 ? | 491 ? | 631 | 327 | ? | 375 | 248 | 222 | 136 | 9 | 0 | 0 | 0 | 0 | 0 | 3957 ? |
| 25 | 0 | 0 | 0 | 0 | 6 ? | 62 | 147 ? | ? | ? | 665 ? | 603 ? | 528 | 431 | 425 | 354 | 373 | 222 | 180 | 60 | 18 ? | 0 | 0 | 0 | 0 | 4073 ? |
| 26 | 0 | 0 | 0 | 0 | 1 | 44 | 148 ? | ? | 404 ? | 498 ? | 427 ? | 574 | 441 | 242 | 248 | 271 | 270 | 137 | 35 | 3 | 0 | 0 | 0 | 0 | 3742 ? |
| 27 | 0 | 0 | 0 | 0 | 1 | 17 | 60 | 174 | 287 | 371 | 345 | 253 | 466 | 472 | 303 | 164 | 94 | 139 | 68 | 16 | 0 | 0 | 0 | 0 | 3231 |
| 28 | 0 | 0 | 0 | 0 | 1 | 24 | 44 | 160 | 316 | 475 | 477 | 133 ? | 86 | 190 | 316 | 284 | 231 | 157 | 71 | 11 | 0 | 0 | 0 | 0 | 2977 |
| 29 | 0 | 0 | 0 | 0 | ? | 32 | 85 | 148 | 280 | 509 | 688 ? | 589 | 559 | 536 | 425 | 334 | 223 | 127 | 53 | 1 | 0 | 0 | 0 | 0 | 4588 |
| 30 | 0 | 0 | 0 | 0 | 1 | 22 | 132 | ? | 510 ? | 652 ? | 731 ? | 440 | 314 | 275 | 238 | 222 | 196 | 138 | 42 | 1 | 0 | 0 | 0 | 0 | 3914 ? |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|---|---|---|--------|
| Avg | 0 | 0 | 0 | 0 | 2 | 41 | 136 | 219 | 368 | 472 | 476 | 406 | 308 | 270 | 265 | 222 | 164 | 109 | 37 | 4 | 0 | 0 | 0 | 0 | 0 | 2967 ? |
| S D | 0 | 0 | 0 | 0 | 2 | 15 | 47 | 76 | 104 | 121 | 164 | 154 | 126 | 104 | 100 | 83 | 58 | 33 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 837 |
| S/A | 0 | 0 | 0 | 0 | 1.01 | 0.36 | 0.34 | 0.35 | 0.28 | 0.26 | 0.34 | 0.38 | 0.41 | 0.39 | 0.38 | 0.37 | 0.36 | 0.31 | 0.41 | 1.34 | 0 | 0 | 0 | 0 | 0 | 0.28 |
| Min | 0 | 0 | 0 | 0 | 0 | 12 | 39 | 76 | 162 | 179 | 180 | 133 | 86 | 96 | 91 | 82 | 59 | 40 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1030 |
| Max | 0 | 0 | 0 | 0 | 8 | 62 | 198 | 339 | 548 | 665 | 731 | 670 | 575 | 536 | 460 | 373 | 270 | 180 | 71 | 18 | 0 | 0 | 0 | 0 | 0 | 4588 |
| n | 0 | 0 | 0 | 0 | 52 | 357 | 233 | 153 | 152 | 169 | 211 | 332 | 358 | 354 | 360 | 358 | 360 | 356 | 357 | 46 | 0 | 0 | 0 | 0 | 0 | 4214 |

Daylight Data Recovery: 0.0% missing; 18.1% exceed the 15% QC threshold -- 5145 total daylight measurements.

Instrument: Eppley PSP Serial Number: 18039F3 Calibration Factor: 7.470 μV/W/m² Calibration Date: 05/1998

| Data & Flag | Hour Column | Day Column |
|-------------|---------------|---------------|
| <value> * | > 20% Missing | > 10% Missing |
| <value> ? | > 20% Fail QC | > 10% Fail QC |
| <blank> * | > 90% Missing | > 90% Missing |
| <blank> ? | > 90% Fail QC | > 90% Fail QC |

Note: Daily values with a missing flag (*) are not used in monthly statistics.