

October 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 | 0 | 0 | 15 | 62 | 155 | 132 | 265 | 289 ? | 169 ? | 379 ? | 303 | 214 ? | 129 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 2133 ? |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 60 | 114 | 180 | 253 | 305 | 244 | 492 | 414 | 379 | 225 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 2720 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 77 | 213 | 431 | 555 | 559 | 435 | 475 | 231 | 298 | 198 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 3553 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 96 | 133 | 278 | 525 | 369 | 490 | 733 | 550 | 307 | 98 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 3607 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 21 ? | 182 | 394 | 626 | 704 | 736 | 774 | 583 | 397 | 222 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 4680 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 45 | 79 | 105 | 429 | 713 | 734 | 680 | 554 | 389 | 195 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 3986 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 43 | 56 | 63 | 104 | 122 | 258 | 404 ? | 259 ? | ? | 85 ? | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 1455 ? |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 84 ? | 118 | 169 ? | ? | 470 | 507 ? | 371 ? | ? | ? | 118 ? | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1885 ? |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 69 | 120 | 158 | 268 | 416 | 446 | 271 | 250 | 135 | 80 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 2245 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 49 | 172 | 209 | 207 | 255 | 139 | 118 | 127 | 93 | 45 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1434 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 | 87 | 67 | 151 | 325 | 393 | 324 | 88 | 129 | 74 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1686 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 38 | 110 | 241 | 352 ? | 319 | 419 | 385 | 296 | 265 ? | ? | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 2461 ? |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 49 | 170 | 86 | 87 ? | 62 ? | 102 | 75 | 85 | 44 | 19 ? | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 798 ? |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 79 | 184 | ? | ? | ? | 498 ? | ? | ? | ? | 92 ? | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 906 ? |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 27 | 75 | 89 | 182 | 165 | 105 | 87 | 88 | 49 | 4 ? | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 874 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 37 ? | 56 | 85 | 110 | 87 | 113 | 55 ? | 39 ? | 10 ? | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 616 ? |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 65 | 178 | 123 | 165 | 126 ? | 202 ? | 92 ? | 183 ? | 168 | 80 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 1419 ? |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 48 | 165 | 253 ? | 288 ? | ? | ? | ? | ? | ? | 90 ? | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 880 ? |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 97 | 129 | 228 | 258 | 288 | 238 | 222 | 157 | 118 | 58 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1819 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 ? | 52 ? | 41 ? | 61 ? | 70 | 60 | 53 ? | 45 ? | 61 | 16 ? | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 467 ? |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 29 | 51 | 48 | 53 ? | 94 | 115 | 80 | 73 | 41 | 28 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 624 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 39 | 94 | 183 | 367 | 576 | 582 | 540 | 495 | 332 | 146 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 3381 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 84 | 159 ? | 437 ? | 576 | 644 | 651 | 595 | 474 | 315 | 136 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4086 ? |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 18 | 30 | 58 | 105 | 95 | 75 | 119 | 116 | 40 | 50 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 727 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 40 | 45 | 53 | 79 | 109 | 62 ? | 131 | 34 ? | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 596 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 40 | 72 | 225 | 414 | 401 | 317 | 280 | 150 | 101 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 2034 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 36 | 80 | 106 | 225 | 489 | 376 | 243 | 209 | 217 | 103 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2093 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 ? | 28 ? | 44 | 108 | 152 | 143 | 75 | 65 | 46 | 29 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 699 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 ? | 35 ? | 51 | 98 | 196 | 208 | 131 | 74 | 63 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 882 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 58 | 56 | 69 | 54 ? | ? | 50 ? | 44 ? | 63 | 17 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 425 ? |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 73 | 104 | 102 | 107 | 132 | 227 | 153 | 99 | 21 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1040 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 43 | 104 | 150 | 236 | 295 | 306 | 300 | 228 | 166 | 84 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 1813 ? |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 28 | 55 | 115 | 169 | 206 | 207 | 220 | 171 | 125 | 65 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1218 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0.88 | 0.65 | 0.53 | 0.77 | 0.72 | 0.7 | 0.68 | 0.73 | 0.75 | 0.75 | 0.78 | 0.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0.67 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 28 | 41 | 53 | 54 | 60 | 50 | 44 | 34 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 425 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 97 | 213 | 437 | 626 | 713 | 736 | 774 | 583 | 397 | 225 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 4680 |
| n | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 350 | 343 | 331 | 315 | 328 | 313 | 302 | 304 | 293 | 291 | 269 | 2 | 0 | 0 | 0 | 0 | 0 | 3613 |

Daylight Data Recovery: 0.0% missing; 13.1% exceed the 15% QC threshold -- 4160 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25821F3 Calibration Factor: 9.020 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.

October 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 | 2 | 0 | 2 | 0 | 4 | 5 ? | 5 ? | 8 ? | 8 | 13 ? | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 59 ? |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 6 | 65 | 15 | 272 | 325 | 376 | 334 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 1498 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 46 | 215 | 397 | 404 | 265 | 62 | 142 | 20 | 224 | 341 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 2234 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 11 | 109 | 355 | 89 | 210 | 697 | 588 | 307 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2382 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 450 | 709 | 765 | 800 | 843 | 783 | 660 | 537 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 5729 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 69 | 5 | 1 | 445 | 888 | 926 | 910 | 845 | 725 | 523 | 284 | 0 | 0 | 0 | 0 | 0 | 0 | 5636 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 46 ? | 57 ? | ? | 57 ? | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 229 ? |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 59 ? | 2 | 8 ? | ? | 16 | 32 ? | 18 ? | ? | ? | 24 ? | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 181 ? |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 20 | 13 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 19 ? | 4 | 20 | 16 | 16 | 35 ? | ? | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 157 ? |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | ? | ? | ? | ? | 42 ? | ? | ? | 34 ? | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 119 ? |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 8 | 0 | 7 ? | 6 | 19 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 48 ? | 48 ? | ? | ? | ? | ? | ? | 145 ? | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 311 ? |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25 | 0 | 10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 205 | 555 | 581 | 703 | 888 | 810 | 622 | 219 | 0 | 0 | 0 | 0 | 0 | 0 | 4587 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 616 | 889 ? | 938 | 957 | 956 | 940 | 888 | 805 | 611 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 7737 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 122 | 128 | 76 | 152 | 30 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 593 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 363 | 190 | 71 | 47 | 84 | 259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1020 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 32 | 64 | 110 | 142 | 137 | 160 | 165 | 151 | 119 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 1054 |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 19 | 116 | 189 | 236 | 283 | 287 | 308 | 311 | 273 | 205 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 2046 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 2.77 | 2.31 | 3.67 | 2.94 | 2.15 | 1.99 | 2.1 | 1.93 | 1.88 | 1.81 | 1.72 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 1.94 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 69 | 616 | 889 | 938 | 957 | 956 | 940 | 888 | 810 | 622 | 284 | 0 | 0 | 0 | 0 | 0 | 0 | 7737 |
| n | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 368 | 368 | 344 | 331 | 341 | 334 | 333 | 326 | 308 | 330 | 269 | 2 | 0 | 0 | 0 | 0 | 0 | 3827 |

Daylight Data Recovery: 0.0% missing; 8.0% exceed the 15% QC threshold -- 4160 total daylight measurements.

Instrument: Eppley NIP Serial Number: 17664E6 Calibration Factor: 8.480 $\mu\text{V}/\text{W}/\text{m}^2$ 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.

October 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 | 0 | 0 | 17 | 66 | 159 | 141 | 266 | 283 ? | 173 ? | 330 ? | 275 | 175 ? | 104 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 2008 ? |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 63 | 121 | 185 | 263 | 272 | 227 | 310 | 206 | 210 | 134 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 2032 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 36 ? | 60 | 153 | 215 | 302 | 380 | 393 | 380 | 215 | 214 | 96 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 2484 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 95 | 132 | 214 | 278 | 312 | 341 | 267 | 204 | 160 | 101 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 2133 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 19 | 143 | 155 | 170 | 170 | 177 | 227 | 147 | 110 | 76 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 1428 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 36 | 78 | 109 | 116 | 97 | 88 | 86 | 85 | 84 | 67 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 876 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 46 | 60 | 67 | 105 | 133 | 249 | 312 ? | 186 ? | ? | 66 ? | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 1272 ? |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 50 ? | 115 | 149 ? | ? | 398 | 423 ? | 285 ? | ? | ? | 105 ? | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1566 ? |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 72 | 127 | 169 | 262 | 373 | 426 | 284 | 264 | 146 | 86 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 2243 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 52 | 171 | 223 | 223 | 277 | 146 | 130 | 135 | 98 | 48 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1522 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 33 | 92 | 71 | 160 | 342 | 400 | 316 | 94 | 135 | 79 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1738 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 39 | 116 | 228 | 281 ? | 321 | 383 | 344 | 269 | 192 ? | ? | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 2193 ? |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 17 ? | 50 | 170 | 87 | 75 | 61 | 108 | 76 | 91 | 45 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 800 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 75 | 148 | ? | ? | ? | ? | 340 ? | ? | ? | 60 ? | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 663 ? |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 | 81 | 96 | 198 | 181 | 118 | 88 | 97 | 52 | 9 ? | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 950 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 33 | 61 | 92 | 120 | 94 | 123 | 41 | 31 ? | 11 ? | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 627 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 66 | 182 | 130 | 178 | 99 | 152 | 56 | 177 ? | 159 | 74 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 1303 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 50 | 155 | 172 ? | 177 ? | ? | ? | ? | ? | ? | 25 ? | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 601 ? |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 81 | 137 | 218 | 265 | 297 | 257 | 237 | 169 | 128 | 62 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1878 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 ? | 36 | 33 | 50 | 74 | 62 | 43 | 38 | 64 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 426 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 31 | 54 | 52 | 51 | 97 | 124 | 86 | 78 | 43 | 30 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 657 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 41 | 100 | 191 | 250 | 228 | 214 | 119 | 67 | 50 | 32 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1307 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 8 ? | 56 | 58 | 57 | 52 | 56 | 60 | 58 | 52 | 40 | 27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 527 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 5 ? | 18 | 31 | 61 | 103 | 101 | 80 | 130 | 124 | 41 | 52 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 763 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 2 ? | 25 | 42 | 47 | 56 | 83 | 115 | 57 | 139 | 32 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 616 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 2 ? | 18 | 37 | 76 | 210 | 329 | 312 | 278 | 203 | 147 | 89 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1715 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 37 | 82 | 113 | 234 | 255 | 262 | 203 | 191 | 192 | 52 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1631 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 26 | 47 | 116 | 161 | 152 | 80 | 69 | 50 | 30 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 741 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 ? | 32 | 52 | 103 | 210 | 223 | 139 | 80 | 66 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 927 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 61 | 59 | 74 | 49 | 32 ? | 42 | 39 | 66 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 449 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 2 ? | 18 | 77 | 108 | 108 | 112 | 137 | 235 | 156 | 103 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1078 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 41 | 97 | 120 | 166 | 202 | 204 | 189 | 139 | 105 | 54 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1263 |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 24 | 49 | 64 | 83 | 112 | 120 | 111 | 72 | 60 | 35 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 616 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0.93 | 0.6 | 0.51 | 0.53 | 0.5 | 0.55 | 0.58 | 0.59 | 0.52 | 0.58 | 0.64 | 0.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0.49 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 26 | 33 | 50 | 49 | 32 | 42 | 38 | 31 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 426 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 95 | 182 | 228 | 302 | 398 | 426 | 380 | 275 | 214 | 134 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 2484 |
| n | 0 | 0 | 0 | 0 | 0 | 0 | 151 | 360 | 367 | 349 | 331 | 341 | 330 | 330 | 325 | 305 | 315 | 269 | 2 | 0 | 0 | 0 | 0 | 0 | 3779 |

Daylight Data Recovery: 0.0% missing; 9.2% exceed the 15% QC threshold -- 4160 total daylight measurements.

Instrument: Eppley PSP Serial Number: 17860F3 Calibration Factor: 7.010 $\mu\text{V}/\text{W}/\text{m}^2$ 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.