

**May 2006**

**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 | 5    | 18    | 57    | 151   | 330 ? | 586 ? | ?     | ?     | ?     | 476 ? | 429 ? | ?     | ?     | 27 ? | 2    | 0  | 0  | 0  | 0  | 2082 ? |
| 2   | 0 | 0 | 0 | 0 | 0 | 21   | 53 ?  | 196   | 344 ? | 354   | 378 ? | 535   | 424 ? | 347 ? | 275 ? | 278   | 121   | 88    | 24   | 0    | 0  | 0  | 0  | 0  | 3439 ? |
| 3   | 0 | 0 | 0 | 0 | 0 | 7    | 57    | 160 ? | ?     | 370 ? | 311   | 342   | 334   | 403   | 359 ? | 272   | 239 ? | 112 ? | 40   | 5    | 0  | 0  | 0  | 0  | 3011 ? |
| 4   | 0 | 0 | 0 | 0 | 0 | 15   | 73 ?  | ?     | ?     | ?     | ?     | ?     | ?     | 392 ? | ?     | 196   | 97    | 103   | 9 ?  | 4    | 0  | 0  | 0  | 0  | 889 ?  |
| 5   | 0 | 0 | 0 | 0 | 0 | 8    | 53    | 104   | 177   | 221   | 453   | 335   | 378   | 377 ? | 180   | 173   | 84    | 39    | 14   | 5    | 0  | 0  | 0  | 0  | 2601   |
| 6   | 0 | 0 | 0 | 0 | 0 | 13   | 62    | 123   | 210   | 263 ? | 311   | 414 ? | ?     | ?     | ?     | ?     | ?     | ?     | 66   | 4    | 0  | 0  | 0  | 0  | 1468 ? |
| 7   | 0 | 0 | 0 | 0 | 0 | 2    | 10 ?  | 33    | 46 ?  | 100   | 98    | 146   | 105   | 67 ?  | 76 ?  | 70 ?  | 41 ?  | 23 ?  | 8    | 2    | 0  | 0  | 0  | 0  | 826 ?  |
| 8   | 0 | 0 | 0 | 0 | 0 | 8    | 34    | 103   | 92    | 101   | 158   | 187   | 246   | 255   | 264   | 213   | 79    | 39    | 27   | 3    | 0  | 0  | 0  | 0  | 1809   |
| 9   | 0 | 0 | 0 | 0 | 0 | 9    | 68    | 173   | 252   | 349   | 461 ? | 611 ? | ?     | 420 ? | 318 ? | ?     | ?     | ?     | 43   | 4    | 0  | 0  | 0  | 0  | 2709 ? |
| 10  | 0 | 0 | 0 | 0 | 0 | 15   | 84    | 181   | 344 ? | 389 ? | 473   | 506   | 402 ? | 371   | ?     | 189 ? | 116   | 110   | 50   | 4    | 0  | 0  | 0  | 0  | 3234 ? |
| 11  | 0 | 0 | 0 | 0 | 0 | 10   | 69    | 140   | 233 ? | 269   | 109   | 145   | 175   | 225   | 290 ? | 133   | 104   | 190 ? | 28 ? | 5    | 0  | 0  | 0  | 0  | 2123 ? |
| 12  | 0 | 0 | 0 | 0 | 0 | 14   | 101 ? | 260 ? | ?     | 334 ? | 260   | 231   | 346   | 92 ?  | 328   | 231   | 159   | 85    | 41   | 4    | 0  | 0  | 0  | 0  | 2487 ? |
| 13  | 0 | 0 | 0 | 0 | 0 | 15   | 57 ?  | ?     | ?     | 336 ? | 547 ? | 618 ? | ?     | ?     | ?     | ?     | ?     | 74 ?  | 26   | 1    | 0  | 0  | 0  | 0  | 1674 ? |
| 14  | 0 | 0 | 0 | 0 | 0 | 9    | 39 ?  | ?     | 188 ? | ?     | 391 ? | 490 ? | 361   | 175   | 293   | 88 ?  | 74 ?  | 144 ? | 48   | 8    | 0  | 0  | 0  | 0  | 2308 ? |
| 15  | 0 | 0 | 0 | 0 | 0 | 15   | 43    | 80    | 187   | 215   | 250   | 131   | 326 ? | 522 ? | 423   | 255 ? | 252 ? | 93 ?  | 56   | 7    | 0  | 0  | 0  | 0  | 2856 ? |
| 16  | 0 | 0 | 0 | 0 | 0 | 7    | 37    | 110   | 197   | 387 ? | 405   | 391   | 397   | 347   | 189   | 243   | 185   | 130   | 49   | 9    | 0  | 0  | 0  | 0  | 3084   |
| 17  | 0 | 0 | 0 | 0 | 0 | 20   | 124 ? | 232 ? | 259   | 288   | 283 ? | 273 ? | 301 ? | 183   | 177 ? | 185 ? | 139   | 92 ?  | 48 ? | 9    | 0  | 0  | 0  | 0  | 2614 ? |
| 18  | 0 | 0 | 0 | 0 | 0 | 7    | 82    | 123   | 181   | 294 ? | 294 ? | 429 ? | ?     | 560 ? | 583 ? | 379 ? | 256 ? | 83 ?  | 11   | 1    | 0  | 0  | 0  | 0  | 3282 ? |
| 19  | 0 | 0 | 0 | 0 | 0 | 32   | 91 ?  | ?     | 405   | 590 ? | 581 ? | 538 ? | 451   | 530 ? | 388 ? | 234 ? | ?     | 154 ? | 62   | 6    | 0  | 0  | 0  | 0  | 4060 ? |
| 20  | 0 | 0 | 0 | 0 | 0 | 9    | 55    | 91    | 226   | 249   | 339   | 423 ? | ?     | ?     | ?     | ?     | ?     | 162 ? | 76   | 11   | 0  | 0  | 0  | 0  | 1641 ? |
| 21  | 0 | 0 | 0 | 0 | 0 | 42   | 127 ? | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 92 ?  | 62   | 4    | 0  | 0  | 0  | 0  | 327 ?  |
| 22  | 0 | 0 | 0 | 0 | 0 | 36   | 103 ? | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 22 ? | 7    | 0  | 0  | 0  | 0  | 168 ?  |
| 23  | 0 | 0 | 0 | 0 | 0 | 40   | 98 ?  | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 18 ? | 8    | 0  | 0  | 0  | 0  | 163 ?  |
| 24  | 0 | 0 | 0 | 0 | 0 | 42   | 106 ? | ?     | ?     | ?     | ?     | ?     | 976 ? | ?     | ?     | ?     | ?     | ?     | 70 ? | 9    | 0  | 0  | 0  | 0  | 1202 ? |
| 25  | 0 | 0 | 0 | 0 | 0 | 21   | 85    | 164   | 316   | 289 ? | 400 ? | 496 ? | 743 ? | ?     | ?     | 332 ? | 275 ? | 113 ? | 59 ? | 15   | 0  | 0  | 0  | 0  | 3306 ? |
| 26  | 0 | 0 | 0 | 0 | 0 | 21   | 119   | 214   | 231 ? | 347 ? | 521 ? | 411   | 468   | 127 ? | 263   | 143 ? | 249 ? | 131 ? | 20   | 5    | 0  | 0  | 0  | 0  | 3271 ? |
| 27  | 0 | 0 | 0 | 0 | 0 | 8    | 45    | 127   | 303   | 343 ? | 439 ? | 489 ? | 685 ? | ?     | ?     | 336 ? | 236 ? | 138 ? | 32 ? | 8    | 0  | 0  | 0  | 0  | 3190 ? |
| 28  | 0 | 0 | 0 | 0 | 0 | 31   | 95 ?  | ?     | ?     | ?     | ?     | ?     | 861 ? | ?     | ?     | ?     | ?     | ?     | 45 ? | 8    | 0  | 0  | 0  | 0  | 1040 ? |
| 29  | 0 | 0 | 0 | 0 | 0 | 38   | 103 ? | ?     | ?     | ?     | ?     | ?     | 339 ? | ?     | ?     | ?     | ?     | ?     | 52 ? | 11   | 0  | 0  | 0  | 0  | 542 ?  |
| 30  | 0 | 0 | 0 | 0 | 0 | 35   | 94 ?  | ?     | ?     | ?     | ?     | ?     | 952 ? | ?     | ?     | ?     | ?     | ?     | 43 ? | 8    | 0  | 0  | 0  | 0  | 1130 ? |
| 31  | 0 | 0 | 0 | 0 | 0 | 29   | 135 ? | ?     | ?     | ?     | ?     | 350 ? | 147 ? | ?     | 454 ? | ?     | ?     | 135   | 64   | 17   | 0  | 0  | 0  | 0  | 1332 ? |
| Avg | 0 | 0 | 0 | 0 | 0 | 19   | 75    | 141   | 229   | 306   | 366   | 386   | 448   | 317   | 314   | 230   | 159   | 106   | 40   | 6    | 0  | 0  | 0  | 0  | 2060 ? |
| S D | 0 | 0 | 0 | 0 | 0 | 12   | 32    | 60    | 88    | 104   | 140   | 149   | 251   | 154   | 126   | 94    | 78    | 41    | 19   | 4    | 0  | 0  | 0  | 0  | 1099   |
| S/A | 0 | 0 | 0 | 0 | 0 | 0.66 | 0.43  | 0.42  | 0.39  | 0.34  | 0.38  | 0.39  | 0.56  | 0.48  | 0.4   | 0.41  | 0.49  | 0.39  | 0.48 | 0.63 | 0  | 0  | 0  | 0  | 0.53   |
| Min | 0 | 0 | 0 | 0 | 0 | 2    | 10    | 33    | 46    | 100   | 98    | 131   | 105   | 67    | 76    | 70    | 41    | 23    | 8    | 0    | 0  | 0  | 0  | 0  | 163    |
| Max | 0 | 0 | 0 | 0 | 0 | 42   | 135   | 260   | 405   | 590   | 586   | 618   | 976   | 560   | 583   | 429   | 275   | 190   | 76   | 17   | 0  | 0  | 0  | 0  | 4060   |
| n   | 0 | 0 | 0 | 0 | 0 | 276  | 240   | 208   | 187   | 186   | 189   | 190   | 173   | 129   | 128   | 149   | 152   | 163   | 302  | 145  | 0  | 0  | 0  | 0  | 2832   |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 46.1% exceed the 15% QC threshold -- 5257 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25821F3 Calibration Factor: 9.020 μV/W/m<sup>2</sup> 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.

**May 2006**

**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    | 1    | 2?   | 4?   | ?   | ?     | ?    | 2?   | 5?   | ?    | ?    | 0?   | 0    | 0  | 0  | 0  | 0  | 15 ?  |
| 2   | 0 | 0 | 0 | 0 | 0 | 0    | 0?   | 2    | 2?   | 2    | 2?   | 4   | 3?    | 3?   | 2?   | 1    | 0    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 24 ?  |
| 3   | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1?   | ?    | 2?   | 2    | 3   | 3     | 3    | 3?   | 1    | 1?   | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 19 ?  |
| 4   | 0 | 0 | 0 | 0 | 0 | 0    | 1?   | ?    | ?    | ?    | ?    | ?   | ?     | 4?   | ?    | 1    | 1    | 1    | 0    | 0    | 0  | 0  | 0  | 0  | 7 ?   |
| 5   | 0 | 0 | 0 | 0 | 0 | 0    | 1    | 1    | 2    | 2    | 5    | 3   | 4     | 3    | 1    | 1    | 0    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 21    |
| 6   | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1    | 1?   | 2    | 5?  | ?     | ?    | ?    | ?    | ?    | ?    | 0    | 0    | 0  | 0  | 0  | 0  | 10 ?  |
| 7   | 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     |
| 8   | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 0    | 1    | 1    | 1   | 2     | 2    | 2    | 2    | 0    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 13    |
| 9   | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 2    | 3    | 4?   | 6?  | ?     | 5?   | 3?   | ?    | ?    | ?    | 0    | 0    | 0  | 0  | 0  | 0  | 25 ?  |
| 10  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 3?   | 3?   | 4    | 5   | 4?    | 2    | ?    | 0?   | 1    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 26 ?  |
| 11  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1?   | 2    | 0    | 0   | 1     | 1    | 1?   | 0    | 0    | 1?   | 0?   | 0    | 0  | 0  | 0  | 0  | 8 ?   |
| 12  | 0 | 0 | 0 | 0 | 0 | 0    | 0?   | 0?   | ?    | 2?   | 2    | 1   | 3     | 0    | 2    | 1    | 1    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 13 ?  |
| 13  | 0 | 0 | 0 | 0 | 0 | 0    | 1?   | ?    | ?    | 1?   | 4?   | 5?  | ?     | ?    | ?    | ?    | ?    | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 11 ?  |
| 14  | 0 | 0 | 0 | 0 | 0 | 0    | 0?   | 0?   | 0?   | ?    | 2?   | 5?  | 4     | 1    | 1    | 0    | 0    | 1?   | 0    | 0    | 0  | 0  | 0  | 0  | 15 ?  |
| 15  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1    | 2    | 2    | 0   | 4?    | 4?   | 3    | 1?   | 1?   | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 18 ?  |
| 16  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1    | 2?   | 3    | 3   | 4     | 2    | 1    | 2    | 1    | 1    | 0    | 0    | 0  | 0  | 0  | 0  | 21    |
| 17  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1?   | 1    | 2    | 3?   | 3?  | 13?   | 1    | 1?   | 0?   | 0    | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 26 ?  |
| 18  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 0    | 1    | 2?   | 3?   | 5?  | ?     | 5?   | 4?   | 2?   | 0?   | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 22 ?  |
| 19  | 0 | 0 | 0 | 0 | 0 | 0    | 0?   | ?    | 2    | 3?   | 4?   | 5   | 10    | 4?   | 3?   | 1?   | ?    | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 33 ?  |
| 20  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1    | 2    | 3    | 4?  | 53?   | ?    | ?    | ?    | ?    | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 63 ?  |
| 21  | 0 | 0 | 0 | 0 | 0 | 0    | 2?   | ?    | ?    | ?    | ?    | ?   | ?     | ?    | ?    | ?    | ?    | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 2 ?   |
| 22  | 0 | 0 | 0 | 0 | 0 | 0    | 0?   | ?    | ?    | ?    | ?    | ?   | ?     | ?    | ?    | ?    | ?    | ?    | 0?   | 0    | 0  | 0  | 0  | 0  | 0 ?   |
| 23  | 0 | 0 | 0 | 0 | 0 | 1    | 1?   | ?    | ?    | ?    | ?    | ?   | ?     | ?    | ?    | ?    | ?    | ?    | 0?   | 0    | 0  | 0  | 0  | 0  | 2 ?   |
| 24  | 0 | 0 | 0 | 0 | 0 | 1    | 1?   | ?    | ?    | ?    | ?    | ?   | 727 ? | ?    | ?    | ?    | ?    | ?    | 0    | 0    | 0  | 0  | 0  | 0  | 728 ? |
| 25  | 0 | 0 | 0 | 0 | 0 | 1    | 1    | 1    | 2    | 2?   | 3?   | 8?  | 216 ? | ?    | ?    | 2?   | 1?   | 0?   | 0?   | 0    | 0  | 0  | 0  | 0  | 236 ? |
| 26  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1?   | 2?   | 4?   | 3   | 7     | 1?   | 1    | 0    | 2?   | 0?   | 0    | 0    | 0  | 0  | 0  | 0  | 24 ?  |
| 27  | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 2    | 2?   | 3?   | 6?  | 279 ? | ?    | ?    | 2?   | 1?   | 0?   | 0?   | 0    | 0  | 0  | 0  | 0  | 297 ? |
| 28  | 0 | 0 | 0 | 0 | 0 | 0    | 0?   | ?    | ?    | ?    | ?    | ?   | 622 ? | ?    | ?    | ?    | ?    | ?    | 0?   | 0    | 0  | 0  | 0  | 0  | 622 ? |
| 29  | 0 | 0 | 0 | 0 | 0 | 0    | 1?   | ?    | ?    | ?    | ?    | ?   | 35 ?  | ?    | ?    | ?    | ?    | ?    | 0?   | 0    | 0  | 0  | 0  | 0  | 37 ?  |
| 30  | 0 | 0 | 0 | 0 | 0 | 1    | 2?   | ?    | ?    | ?    | ?    | ?   | 734 ? | ?    | ?    | ?    | ?    | ?    | 0?   | 0    | 0  | 0  | 0  | 0  | 736 ? |
| 31  | 0 | 0 | 0 | 0 | 0 | 0    | 1?   | ?    | ?    | ?    | ?    | 2?  | 0     | ?    | 3?   | ?    | ?    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 7 ?   |
| Avg | 0 | 0 | 0 | 0 | 0 | 0    | 0    | 1    | 1    | 2    | 3    | 4   | 124   | 3    | 2    | 1    | 1    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 99 ?  |
| S D | 0 | 0 | 0 | 0 | 0 | 0    | 1    | 0    | 1    | 1    | 1    | 2   | 243   | 2    | 1    | 1    | 1    | 0    | 0    | 0    | 0  | 0  | 0  | 0  | 209   |
| S/A | 0 | 0 | 0 | 0 | 0 | 1.78 | 1.13 | 0.57 | 0.58 | 0.45 | 0.46 | 0.6 | 1.96  | 0.63 | 0.49 | 0.91 | 0.89 | 1.46 | 2.35 | 5.57 | 0  | 0  | 0  | 0  | 2.1   |
| 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 | 1    | 2    | 2    | 3    | 3    | 5    | 8   | 734   | 5    | 4    | 5    | 2    | 1    | 0    | 0    | 0  | 0  | 0  | 0  | 736   |
| n   | 0 | 0 | 0 | 0 | 0 | 276  | 262  | 214  | 198  | 189  | 191  | 194 | 179   | 148  | 142  | 173  | 162  | 174  | 316  | 145  | 0  | 0  | 0  | 0  | 2979  |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 43.3% exceed the 15% QC threshold -- 5257 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.

**May 2006**

**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 | 5    | 19    | 61    | 162   | 335 ? | 511 ? | ?     | ?     | ?     | 447 ? | 388 ? | ?     | ?     | 24 ? | 2    | 0  | 0  | 0  | 0  | 1953 ? |
| 2   | 0 | 0 | 0 | 0 | 0 | 23   | 43 ?  | 176   | 335 ? | 358   | 337 ? | 507   | 432 ? | 314 ? | 254 ? | 264   | 116   | 83    | 23   | 0    | 0  | 0  | 0  | 0  | 3265 ? |
| 3   | 0 | 0 | 0 | 0 | 0 | 8    | 60    | 145 ? | ?     | 321 ? | 314   | 335   | 330   | 355   | 312 ? | 235   | 196 ? | 101 ? | 40   | 6    | 0  | 0  | 0  | 0  | 2758 ? |
| 4   | 0 | 0 | 0 | 0 | 0 | 15   | 47 ?  | ?     | ?     | ?     | ?     | ?     | ?     | 322 ? | ?     | 191   | 104   | 107   | 9 ?  | 4    | 0  | 0  | 0  | 0  | 799 ?  |
| 5   | 0 | 0 | 0 | 0 | 0 | 8    | 56    | 111   | 185   | 234   | 445   | 354   | 385   | 302   | 197   | 185   | 88    | 41    | 14   | 4    | 0  | 0  | 0  | 0  | 2609   |
| 6   | 0 | 0 | 0 | 0 | 0 | 13   | 66    | 125   | 201   | 252 ? | 307   | 338 ? | ?     | ?     | ?     | ?     | ?     | ?     | 56   | 4    | 0  | 0  | 0  | 0  | 1362 ? |
| 7   | 0 | 0 | 0 | 0 | 0 | 1    | 12    | 32    | 39    | 108   | 106   | 160   | 112   | 55    | 67 ?  | 62    | 41    | 21    | 8    | 1    | 0  | 0  | 0  | 0  | 825    |
| 8   | 0 | 0 | 0 | 0 | 0 | 9    | 36    | 110   | 98    | 108   | 169   | 200   | 264   | 271   | 283   | 226   | 83    | 41    | 29   | 3    | 0  | 0  | 0  | 0  | 1929   |
| 9   | 0 | 0 | 0 | 0 | 0 | 11   | 73    | 180   | 266   | 368   | 467 ? | 547 ? | ?     | 361 ? | 257 ? | ?     | ?     | ?     | 34   | 5    | 0  | 0  | 0  | 0  | 2568 ? |
| 10  | 0 | 0 | 0 | 0 | 0 | 17   | 85    | 179   | 312 ? | 385 ? | 432   | 416   | 398 ? | 366   | ?     | 188 ? | 125   | 105   | 49   | 4    | 0  | 0  | 0  | 0  | 3061 ? |
| 11  | 0 | 0 | 0 | 0 | 0 | 9    | 67    | 138   | 214 ? | 254   | 112   | 155   | 188   | 220   | 278 ? | 126   | 94    | 169 ? | 27 ? | 5    | 0  | 0  | 0  | 0  | 2058 ? |
| 12  | 0 | 0 | 0 | 0 | 0 | 13   | 56 ?  | 194 ? | ?     | 299 ? | 271   | 247   | 366   | 88    | 334   | 201   | 170   | 90    | 44   | 4    | 0  | 0  | 0  | 0  | 2379 ? |
| 13  | 0 | 0 | 0 | 0 | 0 | 15   | 61 ?  | ?     | ?     | 245 ? | 513 ? | 577 ? | ?     | ?     | ?     | ?     | ?     | 54 ?  | 28   | 1    | 0  | 0  | 0  | 0  | 1493 ? |
| 14  | 0 | 0 | 0 | 0 | 0 | 9    | 47 ?  | 170 ? | 177 ? | ?     | 360 ? | 434 ? | 342   | 184   | 287   | 79    | 70    | 136 ? | 47   | 9    | 0  | 0  | 0  | 0  | 2350 ? |
| 15  | 0 | 0 | 0 | 0 | 0 | 18   | 45    | 80    | 190   | 229   | 265   | 140   | 315 ? | 412 ? | 409   | 250 ? | 225 ? | 77 ?  | 51   | 7    | 0  | 0  | 0  | 0  | 2713 ? |
| 16  | 0 | 0 | 0 | 0 | 0 | 6    | 39    | 108   | 200   | 373 ? | 384   | 395   | 394   | 348   | 202   | 253   | 198   | 138   | 52   | 9    | 0  | 0  | 0  | 0  | 3097   |
| 17  | 0 | 0 | 0 | 0 | 0 | 23   | 108   | 220 ? | 235   | 288   | 280 ? | 258 ? | 250 ? | 184   | 149 ? | 188 ? | 141   | 99 ?  | 49   | 10   | 0  | 0  | 0  | 0  | 2482 ? |
| 18  | 0 | 0 | 0 | 0 | 0 | 7    | 71    | 127   | 188   | 250 ? | 296 ? | 316 ? | ?     | 432 ? | 444 ? | 326 ? | 202 ? | 77 ?  | 11   | 0    | 0  | 0  | 0  | 0  | 2749 ? |
| 19  | 0 | 0 | 0 | 0 | 0 | 26   | 51 ?  | ?     | 398   | 519 ? | 538 ? | 477   | 419   | 454 ? | 356 ? | 239 ? | ?     | 141 ? | 58   | 6    | 0  | 0  | 0  | 0  | 3684 ? |
| 20  | 0 | 0 | 0 | 0 | 0 | 9    | 57    | 96    | 226   | 247   | 299   | 352 ? | 326 ? | ?     | ?     | ?     | ?     | 120 ? | 71   | 11   | 0  | 0  | 0  | 0  | 1814 ? |
| 21  | 0 | 0 | 0 | 0 | 0 | 31   | 76 ?  | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 89 ?  | 57   | 4    | 0  | 0  | 0  | 0  | 257 ?  |
| 22  | 0 | 0 | 0 | 0 | 0 | 29   | 50 ?  | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 24 ? | 8    | 0  | 0  | 0  | 0  | 110 ?  |
| 23  | 0 | 0 | 0 | 0 | 0 | 26   | 50 ?  | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 19 ? | 8    | 0  | 0  | 0  | 0  | 103 ?  |
| 24  | 0 | 0 | 0 | 0 | 0 | 23   | 53 ?  | ?     | ?     | ?     | ?     | ?     | 158 ? | ?     | ?     | ?     | ?     | ?     | 60   | 10   | 0  | 0  | 0  | 0  | 303 ?  |
| 25  | 0 | 0 | 0 | 0 | 0 | 24   | 88    | 164   | 295   | 318 ? | 341 ? | 467 ? | 455 ? | ?     | ?     | 279 ? | 236 ? | 105 ? | 55 ? | 16   | 0  | 0  | 0  | 0  | 2844 ? |
| 26  | 0 | 0 | 0 | 0 | 0 | 19   | 109   | 196   | 234 ? | 333 ? | 513 ? | 429   | 450   | 168 ? | 236   | 101 ? | 239 ? | 123 ? | 22   | 3    | 0  | 0  | 0  | 0  | 3175 ? |
| 27  | 0 | 0 | 0 | 0 | 0 | 8    | 41    | 133   | 283   | 305 ? | 365 ? | 416 ? | 391 ? | ?     | ?     | 315 ? | 213 ? | 112 ? | 34 ? | 9    | 0  | 0  | 0  | 0  | 2625 ? |
| 28  | 0 | 0 | 0 | 0 | 0 | 29   | 63 ?  | ?     | ?     | ?     | ?     | ?     | 228 ? | ?     | ?     | ?     | ?     | ?     | 40 ? | 9    | 0  | 0  | 0  | 0  | 369 ?  |
| 29  | 0 | 0 | 0 | 0 | 0 | 35   | 76 ?  | ?     | ?     | ?     | ?     | ?     | 272 ? | ?     | ?     | ?     | ?     | ?     | 44 ? | 11   | 0  | 0  | 0  | 0  | 438 ?  |
| 30  | 0 | 0 | 0 | 0 | 0 | 28   | 65 ?  | ?     | ?     | ?     | ?     | ?     | 253 ? | ?     | ?     | ?     | ?     | ?     | 36 ? | 9    | 0  | 0  | 0  | 0  | 390 ?  |
| 31  | 0 | 0 | 0 | 0 | 0 | 30   | 106 ? | ?     | ?     | ?     | ?     | 340 ? | 145 ? | ?     | 431 ? | ?     | ?     | 103   | 64   | 18   | 0  | 0  | 0  | 0  | 1238 ? |
| Avg | 0 | 0 | 0 | 0 | 0 | 17   | 60    | 137   | 223   | 292   | 347   | 357   | 312   | 285   | 291   | 216   | 149   | 97    | 38   | 6    | 0  | 0  | 0  | 0  | 1865 ? |
| S/D | 0 | 0 | 0 | 0 | 0 | 9    | 23    | 49    | 82    | 91    | 124   | 125   | 103   | 117   | 106   | 84    | 64    | 36    | 17   | 4    | 0  | 0  | 0  | 0  | 1102   |
| S/A | 0 | 0 | 0 | 0 | 0 | 0.55 | 0.38  | 0.36  | 0.37  | 0.31  | 0.36  | 0.35  | 0.33  | 0.41  | 0.37  | 0.39  | 0.43  | 0.37  | 0.45 | 0.66 | 0  | 0  | 0  | 0  | 0.59   |
| Min | 0 | 0 | 0 | 0 | 0 | 1    | 12    | 32    | 39    | 108   | 106   | 140   | 112   | 55    | 67    | 62    | 41    | 21    | 8    | 0    | 0  | 0  | 0  | 0  | 103    |
| Max | 0 | 0 | 0 | 0 | 0 | 35   | 109   | 220   | 398   | 519   | 538   | 577   | 455   | 454   | 447   | 388   | 239   | 169   | 71   | 18   | 0  | 0  | 0  | 0  | 3684   |
| n   | 0 | 0 | 0 | 0 | 0 | 258  | 262   | 214   | 198   | 189   | 191   | 194   | 178   | 147   | 134   | 165   | 160   | 174   | 311  | 144  | 0  | 0  | 0  | 0  | 2935   |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 44.2% exceed the 15% QC threshold -- 5257 total daylight measurements.

Instrument: Eppley PSP Serial Number: 17860F3 Calibration Factor: 7.010 μV/W/m<sup>2</sup> 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.