

**September 2007**

**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 | 1    | 27   | 107   | 220   | 518    | 687     | 655  | 557  | 605   | 693  | 547 | 351  | 155  | 12   | 0  | 0  | 0  | 0  | 0  | 5136   |
| 2   | 0 | 0 | 0 | 0 | 0 | 2    | 48   | 203   | 386   | 561    | 715     | 795  | 754  | 849   | 464  | 471 | 230  | 136  | 23   | 0  | 0  | 0  | 0  | 0  | 5637   |
| 3   | 0 | 0 | 0 | 0 | 0 | 2    | 43   | 173   | 343   | 318    | 639     | 634  | 820  | 620   | 732  | 421 | 285  | 142  | 28   | 0  | 0  | 0  | 0  | 0  | 5202   |
| 4   | 0 | 0 | 0 | 0 | 0 | 2    | 64   | 219   | 411   | 589    | 729     | 822  | 851  | 802   | 695  | 541 | 349  | 158  | 21   | 0  | 0  | 0  | 0  | 0  | 6255   |
| 5   | 0 | 0 | 0 | 0 | 0 | 2    | 52   | 209   | 398   | 572    | 714     | 798  | 815  | 817   | 627  | 530 | 248  | 87   | 10   | 0  | 0  | 0  | 0  | 0  | 5879   |
| 6   | 0 | 0 | 0 | 0 | 0 | 0    | 42   | 194   | 380   | 555    | 712     | 753  | 715  | 684   | 560  | 287 | 133  | 64   | 26   | 0  | 0  | 0  | 0  | 0  | 5106   |
| 7   | 0 | 0 | 0 | 0 | 0 | 0    | 45   | 203   | 392   | 563    | 704     | 804  | 813  | 710   | 634  | 384 | 198  | 96   | 21   | 0  | 0  | 0  | 0  | 0  | 5567   |
| 8   | 0 | 0 | 0 | 0 | 0 | 0    | 41   | 153   | 368   | 532    | 605     | 543  | 552  | 550   | 683  | 537 | 350  | 138  | 14   | 0  | 0  | 0  | 0  | 0  | 5066   |
| 9   | 0 | 0 | 0 | 0 | 0 | 0    | 44   | 203   | 374   | 549    | 669     | 489  | 581  | 754   | 467  | 189 | 193  | 108  | 15   | 0  | 0  | 0  | 0  | 0  | 4635   |
| 10  | 0 | 0 | 0 | 0 | 0 | 0    | 21   | 60    | 196   | 277    | 314     | 435  | 388  | 417   | 395  | 124 | 71   | 39   | 6    | 0  | 0  | 0  | 0  | 0  | 2744   |
| 11  | 0 | 0 | 0 | 0 | 0 | 0    | 9    | 92    | 159   | 207    | 183     | 91 ? | 79 ? | 121 ? | 123  | 133 | 169  | 121  | 11   | 0  | 0  | 0  | 0  | 0  | 1497 ? |
| 12  | 0 | 0 | 0 | 0 | 0 | 0    | 46   | 160 ? | 342   | 600    | 720     | 825  | 849  | 799   | 688  | 529 | 340  | 141  | 5    | 0  | 0  | 0  | 0  | 0  | 6043   |
| 13  | 0 | 0 | 0 | 0 | 0 | 0    | 27   | 137   | 212   | 442    | 724     | 736  | 654  | 476   | 547  | 386 | 303  | 80   | 16   | 0  | 0  | 0  | 0  | 0  | 4740   |
| 14  | 0 | 0 | 0 | 0 | 0 | 0    | 13   | 40    | 73    | ? 55 ? | ? 129 ? | 124  | 64 ? | 97 ?  | 70   | 23  | 4    | 0    | 0    | 0  | 0  | 0  | 0  | 0  | 692 ?  |
| 15  | 0 | 0 | 0 | 0 | 0 | 0    | 2    | 88 ?  | 150   | 310    | 620     | 810  | 844  | 798   | 690  | 531 | 340  | 136  | 4    | 0  | 0  | 0  | 0  | 0  | 5323   |
| 16  | 0 | 0 | 0 | 0 | 0 | 0    | 25   | 113   | 354   | 577    | 722     | 800  | 811  | 769   | 673  | 510 | 292  | 115  | 4    | 0  | 0  | 0  | 0  | 0  | 5765   |
| 17  | 0 | 0 | 0 | 0 | 0 | 0    | 36   | 190   | 385   | 568    | 708     | 783  | 802  | 756   | 650  | 495 | 309  | 116  | 6    | 0  | 0  | 0  | 0  | 0  | 5804   |
| 18  | 0 | 0 | 0 | 0 | 0 | 0    | 41   | 194   | 385   | 560    | 698     | 775  | 793  | 752   | 641  | 486 | 301  | 111  | 5    | 0  | 0  | 0  | 0  | 0  | 5740   |
| 19  | 0 | 0 | 0 | 0 | 0 | 0    | 41   | 196   | 383   | 561    | 698     | 778  | 779  | 754   | 597  | 441 | 294  | 106  | 4    | 0  | 0  | 0  | 0  | 0  | 5632   |
| 20  | 0 | 0 | 0 | 0 | 0 | 0    | 25   | 192   | 388   | 566    | 705     | 785  | 802  | 762   | 645  | 489 | 223  | 92   | 8    | 0  | 0  | 0  | 0  | 0  | 5684   |
| 21  | 0 | 0 | 0 | 0 | 0 | 0    | 15   | 76    | 307   | 222    | 258     | 299  | 290  | 188   | 275  | 292 | 245  | 121  | 9    | 0  | 0  | 0  | 0  | 0  | 2598   |
| 22  | 0 | 0 | 0 | 0 | 0 | 0    | 21   | 165   | 358   | 374    | 199     | 415  | 686  | 669   | 551  | 488 | 302  | 87   | 2    | 0  | 0  | 0  | 0  | 0  | 4318   |
| 23  | 0 | 0 | 0 | 0 | 0 | 0    | 37   | 185   | 362   | 517    | 682     | 616  | 442  | 502   | 543  | 466 | 261  | 77   | 3    | 0  | 0  | 0  | 0  | 0  | 4693   |
| 24  | 0 | 0 | 0 | 0 | 0 | 0    | 28   | 136   | 342   | 521    | 655     | 569  | 490  | 762   | 164  | 168 | 84   | 68   | 4    | 0  | 0  | 0  | 0  | 0  | 3991   |
| 25  | 0 | 0 | 0 | 0 | 0 | 0    | 31   | 153   | 209   | 418    | 636     | 625  | 786  | 458   | 183  | 176 | 161  | 49   | 2    | 0  | 0  | 0  | 0  | 0  | 3887   |
| 26  | 0 | 0 | 0 | 0 | 0 | 0    | 28   | 150   | 312   | 483    | 623     | 486  | 746  | 310   | 503  | 140 | 143  | 60   | 7    | 0  | 0  | 0  | 0  | 0  | 3990   |
| 27  | 0 | 0 | 0 | 0 | 0 | 0    | 23   | 140   | 315   | 389    | 414     | 385  | 566  | 608   | 548  | 226 | 61 ? | 38 ? | 4    | 0  | 0  | 0  | 0  | 0  | 3716   |
| 28  | 0 | 0 | 0 | 0 | 0 | 0    | 20   | 79    | 297 ? | 565 ?  | 574     | 652  | 654  | 606   | 572  | 451 | 258  | 71   | 1    | 0  | 0  | 0  | 0  | 0  | 4802   |
| 29  | 0 | 0 | 0 | 0 | 0 | 0    | 33   | 144   | 261   | 500    | 689     | 767  | 786  | 732   | 623  | 463 | 266  | 69   | 0    | 0  | 0  | 0  | 0  | 0  | 5334   |
| 30  | 0 | 0 | 0 | 0 | 0 | 0    | 30   | 171   | 369   | 546    | 682     | 753  | 758  | 677   | 582  | 411 | 259  | 65   | 8    | 0  | 0  | 0  | 0  | 0  | 5310   |
| Avg | 0 | 0 | 0 | 0 | 0 | 0    | 32   | 151   | 314   | 481    | 591     | 644  | 653  | 614   | 527  | 380 | 236  | 96   | 9    | 0  | 0  | 0  | 0  | 0  | 4693   |
| S D | 0 | 0 | 0 | 0 | 0 | 1    | 14   | 49    | 88    | 116    | 191     | 186  | 210  | 207   | 186  | 152 | 89   | 37   | 8    | 0  | 0  | 0  | 0  | 0  | 1336   |
| S/A | 0 | 0 | 0 | 0 | 0 | 2.34 | 0.43 | 0.33  | 0.28  | 0.24   | 0.32    | 0.29 | 0.32 | 0.34  | 0.35 | 0.4 | 0.38 | 0.38 | 0.83 | 0  | 0  | 0  | 0  | 0  | 0.28   |
| Min | 0 | 0 | 0 | 0 | 0 | 0    | 2    | 40    | 73    | 207    | 55      | 91   | 79   | 121   | 64   | 97  | 61   | 23   | 0    | 0  | 0  | 0  | 0  | 0  | 692    |
| Max | 0 | 0 | 0 | 0 | 0 | 2    | 64   | 219   | 411   | 600    | 729     | 825  | 851  | 849   | 732  | 547 | 351  | 158  | 28   | 0  | 0  | 0  | 0  | 0  | 6255   |
| n   | 0 | 0 | 0 | 0 | 0 | 5    | 320  | 350   | 351   | 340    | 350     | 345  | 344  | 355   | 351  | 353 | 351  | 357  | 170  | 0  | 0  | 0  | 0  | 0  | 4343   |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 2.5% exceed the 15% QC threshold -- 4455 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.

**September 2007**

**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  | 0  | *     |   |
| 2   | 0 | 0 | 0 | 0 | 0 | * | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 3   | 0 | 0 | 0 | 0 | 0 | * | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 4   | 0 | 0 | 0 | 0 | 0 | * | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 5   | 0 | 0 | 0 | 0 | 0 | * | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 6   | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 7   | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 8   | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 9   | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 10  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 11  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | ?     | *     | *   | ?   | ?   | ?   | ?   | 120 | 0  | 0  | 0  | 0  | 0  | *     |   |
| 12  | 0 | 0 | 0 | 0 | 0 | 0 | ?   | ?    | ?     | ?   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 13  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 14  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | 582 ? | 385 ? | 690 ? | ?   | ?   | ?   | ?   | ?   | ?   | 0  | 0  | 0  | 0  | 0  | ?     |   |
| 15  | 0 | 0 | 0 | 0 | 0 | 0 | ?   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 16  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 17  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 18  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 19  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 20  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 21  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 22  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 23  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 24  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 25  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 26  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 27  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | ?   | ?  | 0  | 0  | 0  | 0  | *     |   |
| 28  | 0 | 0 | 0 | 0 | 0 | 0 | ?   | 41 ? | 306 ? | ?   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 29  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| 30  | 0 | 0 | 0 | 0 | 0 | 0 | *   | *    | *     | *   | *     | *     | *     | *   | *   | *   | *   | *   | *   | 0  | 0  | 0  | 0  | 0  | *     |   |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 41   | 306   | N/A | 582   | 385   | 690   | N/A | N/A | N/A | N/A | N/A | 120 | 0  | 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   | 0  | 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   | 0  | 0  | 0  | 0  | 0  | 0     | 0 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 41   | 306   | N/A | 582   | 385   | 690   | N/A | N/A | N/A | N/A | N/A | 120 | 0  | 0  | 0  | 0  | 0  | N/A   |   |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 41   | 306   | N/A | 582   | 385   | 690   | N/A | N/A | N/A | N/A | N/A | 120 | 0  | 0  | 0  | 0  | 0  | N/A   |   |
| n   | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 3    | 8     | 0   | 5     | 6     | 2     | 0   | 0   | 0   | 0   | 0   | 7   | 0  | 0  | 0  | 0  | 0  | 0     | 0 |

Daylight Data Recovery: 93.3% missing; 0.0% untested; 5.9% exceed the 15% QC threshold -- 4455 total daylight measurements.

Instrument: Eppley NIP    Serial Number: 17664E6    Calibration Factor: 8.480 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.

**September 2007**

**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 | 1    | 29   | 115   | 220   | 333   | 378   | 451   | 445  | 337  | 227   | 213   | 175   | 97   | 12   | 0  | 0  | 0  | 0  | 0  | 3033   |
| 2   | 0 | 0 | 0 | 0 | 0 | 1    | 37   | 115   | 183   | 257   | 353   | 373   | 390  | 378  | 270   | 259   | 168   | 85   | 22   | 0  | 0  | 0  | 0  | 0  | 2894   |
| 3   | 0 | 0 | 0 | 0 | 0 | ?    | 40   | 127   | 227   | 274   | 356   | 312   | 356  | 271  | 334   | 265   | 182   | 101  | 27   | 0  | 0  | 0  | 0  | 0  | 2872   |
| 4   | 0 | 0 | 0 | 0 | 0 | ?    | 30   | 64    | 74    | 93    | 101   | 101   | 96   | 105  | 110   | 98    | 85    | 58   | 16   | 0  | 0  | 0  | 0  | 0  | 1031   |
| 5   | 0 | 0 | 0 | 0 | 0 | ?    | 40   | 86    | 95    | 113   | 124   | 145   | 164  | 219  | 245   | 195   | 133   | 70   | 11   | 0  | 0  | 0  | 0  | 0  | 1640   |
| 6   | 0 | 0 | 0 | 0 | 0 | 0    | 42   | 141   | 133   | 150   | 178   | 209   | 256  | 271  | 252   | 208   | 133   | 64   | 24   | 0  | 0  | 0  | 0  | 0  | 2061   |
| 7   | 0 | 0 | 0 | 0 | 0 | 0    | 48   | 199   | 164   | 136   | 178   | 186   | 217  | 239  | 227   | 215   | 179   | 83   | 19   | 0  | 0  | 0  | 0  | 0  | 2090   |
| 8   | 0 | 0 | 0 | 0 | 0 | 0    | 42   | 163   | 267   | 188   | 323   | 372   | 322  | 272  | 272   | 239   | 167   | 79   | 13   | 0  | 0  | 0  | 0  | 0  | 2720   |
| 9   | 0 | 0 | 0 | 0 | 0 | 0    | 51   | 222   | 343 ? | 217   | 308   | 466   | 504  | 315  | 320   | 198   | 193   | 108  | 15   | 0  | 0  | 0  | 0  | 0  | 3261   |
| 10  | 0 | 0 | 0 | 0 | 0 | 0    | 23   | 64    | 203   | 276   | 333   | 444   | 373  | 403  | 398   | 131   | 72    | 42   | 6    | 0  | 0  | 0  | 0  | 0  | 2768   |
| 11  | 0 | 0 | 0 | 0 | 0 | 0    | 10   | 96    | 171   | 223   | 192   | 88    | 52   | 114  | 132   | 144   | 175   | 121  | 11   | 0  | 0  | 0  | 0  | 0  | 1529   |
| 12  | 0 | 0 | 0 | 0 | 0 | 0    | 48   | 184 ? | ?     | ?     | 213   | 83    | 78   | 74   | 69    | 60    | 50    | 34   | 5    | 0  | 0  | 0  | 0  | 0  | 898 ?  |
| 13  | 0 | 0 | 0 | 0 | 0 | 0    | 31   | 140   | 223   | 436 ? | 407 ? | 345   | 324  | 349  | 329   | 214   | 124   | 69   | 16   | 0  | 0  | 0  | 0  | 0  | 3006   |
| 14  | 0 | 0 | 0 | 0 | 0 | 0    | 14   | 42    | 70    | 30 ?  | 56    | 60 ?  | 108  | 129  | 92    | 96    | 75    | 25   | 4    | 0  | 0  | 0  | 0  | 0  | 801 ?  |
| 15  | 0 | 0 | 0 | 0 | 0 | 0    | 2    | 66    | 156   | 245   | 519 ? | 242   | 78   | 72   | 66    | 57    | 47    | 33   | 5    | 0  | 0  | 0  | 0  | 0  | 1589   |
| 16  | 0 | 0 | 0 | 0 | 0 | 0    | 28   | 126   | 288 ? | ?     | ?     | 404 ? | 226  | 135  | 105   | 77    | 60    | 37   | 5    | 0  | 0  | 0  | 0  | 0  | 1491 ? |
| 17  | 0 | 0 | 0 | 0 | 0 | 0    | 39   | 190 ? | ?     | ?     | ?     | 469 ? | 126  | 90   | 78    | 68    | 56    | 38   | 6    | 0  | 0  | 0  | 0  | 0  | 1158 ? |
| 18  | 0 | 0 | 0 | 0 | 0 | 0    | 45   | 177 ? | ?     | ?     | ?     | ?     | 270  | 97   | 84    | 70    | 55    | 33   | 6    | 0  | 0  | 0  | 0  | 0  | 837 ?  |
| 19  | 0 | 0 | 0 | 0 | 0 | 0    | 45   | 172 ? | ?     | ?     | 130   | 124   | 178  | 236  | 549 ? | 454 ? | 265 ? | 122  | 5    | 0  | 0  | 0  | 0  | 0  | 2279 ? |
| 20  | 0 | 0 | 0 | 0 | 0 | 0    | 17   | 53    | 62    | 72    | 78    | 79    | 75   | 84   | 378 ? | ?     | 185 ? | 92   | 8    | 0  | 0  | 0  | 0  | 0  | 1184 ? |
| 21  | 0 | 0 | 0 | 0 | 0 | 0    | 17   | 79    | 182   | 205   | 242   | 306   | 303  | 207  | 292   | 251 ? | 207 ? | 95 ? | 9    | 0  | 0  | 0  | 0  | 0  | 2396   |
| 22  | 0 | 0 | 0 | 0 | 0 | 0    | 25   | 71    | 85    | 200   | 216   | 371   | 335  | 188  | 209   | 380 ? | 235 ? | 101  | 2    | 0  | 0  | 0  | 0  | 0  | 2418 ? |
| 23  | 0 | 0 | 0 | 0 | 0 | 0    | 20   | 49    | 74    | 100   | 177   | 234   | 219  | 192  | 216   | 256   | 266   | 86   | 3    | 0  | 0  | 0  | 0  | 0  | 1894   |
| 24  | 0 | 0 | 0 | 0 | 0 | 0    | 21   | 80    | 102   | 118   | 125   | 204   | 214  | 251  | 171   | 121   | 86    | 70   | 4    | 0  | 0  | 0  | 0  | 0  | 1569   |
| 25  | 0 | 0 | 0 | 0 | 0 | 0    | 23   | 100   | 152   | 181   | 186   | 200   | 241  | 244  | 186   | 165   | 129   | 46   | 2    | 0  | 0  | 0  | 0  | 0  | 1855   |
| 26  | 0 | 0 | 0 | 0 | 0 | 0    | 27   | 99    | 146   | 183   | 213   | 252   | 295  | 227  | 284   | 148   | 125   | 58   | 7    | 0  | 0  | 0  | 0  | 0  | 2064   |
| 27  | 0 | 0 | 0 | 0 | 0 | 0    | 19   | 86    | 188   | 265   | 354   | 359   | 423  | 330  | 237   | 183   | 40 ?  | 37   | 4    | 0  | 0  | 0  | 0  | 0  | 2525   |
| 28  | 0 | 0 | 0 | 0 | 0 | 0    | 21   | 71    | 158 ? | 193 ? | 177   | 224   | 211  | 144  | 100   | 76    | 56    | 26   | 1    | 0  | 0  | 0  | 0  | 0  | 1458   |
| 29  | 0 | 0 | 0 | 0 | 0 | 0    | 15   | 37    | 47    | 53    | 62    | 63    | 63   | 60   | 55    | 48    | 36    | 16   | 0    | 0  | 0  | 0  | 0  | 0  | 555    |
| 30  | 0 | 0 | 0 | 0 | 0 | 0    | 13   | 33    | 47    | 59    | 63    | 65    | 80   | 107  | 116   | 74    | 52    | 41   | 9    | 0  | 0  | 0  | 0  | 0  | 760    |
| Avg | 0 | 0 | 0 | 0 | 0 | 0    | 29   | 108   | 156   | 184   | 224   | 249   | 234  | 205  | 214   | 171   | 127   | 66   | 9    | 0  | 0  | 0  | 0  | 0  | 1888   |
| S D | 0 | 0 | 0 | 0 | 0 | 0    | 13   | 53    | 77    | 95    | 121   | 136   | 126  | 100  | 118   | 99    | 70    | 31   | 7    | 0  | 0  | 0  | 0  | 0  | 785    |
| S/A | 0 | 0 | 0 | 0 | 0 | 3.61 | 0.45 | 0.49  | 0.49  | 0.52  | 0.54  | 0.55  | 0.54 | 0.49 | 0.55  | 0.58  | 0.55  | 0.47 | 0.75 | 0  | 0  | 0  | 0  | 0  | 0.42   |
| Min | 0 | 0 | 0 | 0 | 0 | 0    | 2    | 33    | 47    | 30    | 56    | 60    | 52   | 60   | 55    | 48    | 36    | 16   | 0    | 0  | 0  | 0  | 0  | 0  | 555    |
| Max | 0 | 0 | 0 | 0 | 0 | 1    | 51   | 222   | 343   | 436   | 519   | 469   | 504  | 403  | 549   | 454   | 266   | 122  | 27   | 0  | 0  | 0  | 0  | 0  | 3261   |
| n   | 0 | 0 | 0 | 0 | 0 | 2    | 309  | 341   | 294   | 281   | 307   | 332   | 358  | 359  | 347   | 330   | 334   | 354  | 170  | 0  | 0  | 0  | 0  | 0  | 4119   |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 7.5% exceed the 15% QC threshold -- 4455 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.