

October 2009

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 | 24 | 123 | 314 | 513 | 662 | 735 | 755 | 683 | 526 | 401 | 211 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 4995 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 86 | 168 | 241 | 307 | 200 | 140 | 249 | 212 | 80 | 29 ? | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1739 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 155 | 352 | 524 | 657 | 733 | 745 | 691 | 572 | 418 | 231 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 5159 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 122 | 307 | 463 | 638 | 721 | 694 | 534 | 450 | 192 | 68 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 4225 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 124 | 275 | 491 | 612 | 571 | 436 | 614 | 405 | 409 | 208 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 4204 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 48 | 124 | 174 | 298 | 152 | 369 | 284 | 144 | 111 | 46 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1763 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 60 | 263 | 462 | 662 | 724 | 732 | 682 | 564 | 410 | 219 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 4828 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 158 | 323 | 485 | 582 | 619 | 694 | 632 | 448 | 334 | 54 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4343 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 84 | 295 | 481 | 534 | 528 | 275 | 469 | 453 | 359 | 191 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 3725 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 36 ? | 49 | 101 | 125 | 109 | 74 ? | ? | 52 ? | 25 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 601 ? |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 43 | 99 | 160 | 320 | 207 | 181 | 206 | 203 | 119 | 44 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1600 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25 | 36 ? | 40 ? | 75 | 119 | 99 | 54 ? | 83 | 100 | 85 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 744 ? |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 ? | 42 ? | 42 ? | 81 | 149 | 210 | 301 | 259 | 117 | 115 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 1347 ? |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 ? | ? | ? | ? | ? | 106 | 84 | 97 | 79 | 39 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 424 ? |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 23 | 27 ? | 183 | 213 | 232 | 283 | 161 | 115 | 47 | 22 ? | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1315 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 40 | 73 | 126 | 159 | 148 | 123 | 148 | 101 | 37 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 979 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 ? | 99 ? | 110 | 113 | 126 | 96 | 92 | 74 | 31 ? | 24 ? | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 777 ? |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 ? | 56 ? | 130 | 143 | 162 | 136 | 105 | 125 | 88 | 38 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1006 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 169 | 398 ? | 462 | 581 | 650 | 660 | 600 | 488 | 316 | 164 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 4539 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 161 | 284 | 446 | 569 | 635 | 644 | 584 | 460 | 308 | 128 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 4258 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 129 | 286 | 441 | 567 | 634 | 637 | 581 | 467 | 274 | 138 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 4188 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 63 | 208 | 266 | 339 | 513 | 585 | 647 | 448 | 205 | 69 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 3360 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 88 | 241 | 428 | 557 | 501 | 167 | 240 | 177 | 68 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2491 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 55 | 138 | 251 | 439 | 443 | 392 | 387 | 181 | 188 | 53 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2532 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 81 | 293 | 381 | 564 | 635 | 636 | 576 | 466 | 312 | 132 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 4099 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 41 | 131 | 371 | 366 | 418 | 372 | 311 | 268 | 260 | 59 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 2614 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 34 | 71 | 100 | 94 | 103 | 88 | 70 | 51 | 49 | 9 ? | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 675 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 28 | 90 | 95 | 112 | 209 | 215 | 291 | 420 | 273 | 116 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1857 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 67 | 254 | 416 | 540 | 582 | 550 | 434 | 273 | 228 | 89 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 3446 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 70 | 135 | 265 | 414 | 464 | 415 | 492 | 388 | 268 | 78 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 3013 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 88 | 114 | 171 | 113 | 63 | 225 | 217 | 89 | 83 | 21 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1192 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 68 | 178 | 284 | 375 | 406 | 391 | 368 | 304 | 206 | 91 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 2646 |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 52 | 114 | 167 | 213 | 238 | 236 | 222 | 169 | 125 | 67 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 1549 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0.93 | 0.76 | 0.64 | 0.59 | 0.57 | 0.59 | 0.6 | 0.61 | 0.56 | 0.61 | 0.73 | 0.88 | 5.57 | 0 | 0 | 0 | 0 | 0 | 0.59 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 27 | 40 | 75 | 63 | 88 | 54 | 51 | 31 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 424 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 169 | 398 | 524 | 662 | 735 | 755 | 691 | 572 | 418 | 231 | 52 | 2 | 0 | 0 | 0 | 0 | 0 | 5159 |
| n | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 341 | 326 | 346 | 356 | 360 | 371 | 362 | 360 | 357 | 345 | 261 | 2 | 0 | 0 | 0 | 0 | 0 | 3954 |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 4.8% exceed the 15% QC threshold -- 4152 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 2009

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 | 0 | * | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | * | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 15 | 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 | * | |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 20 | 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 | * | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | * | |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 | 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 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A |
| n | 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 |

Daylight Data Recovery: 100.0% missing; 0.0% untested; 0.0% exceed the 15% QC threshold -- 4152 total daylight measurements.

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

Bluefield State College
37.27 N Latitude 81.24 W Longitude 803 Meters AMSL Time Zone -5

October 2009

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 | 19 | 51 | 65 | 63 | 75 | 75 | 72 | 87 | 106 | 68 | 74 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 776 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 90 | 173 | 248 | 310 | 215 | 150 | 270 | 232 | 84 | 22 ? | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1818 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 39 | 56 | 72 | 81 | 87 | 88 | 84 | 77 | 68 | 52 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 740 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 67 | 110 | 121 | 105 | 79 | 123 | 249 | 222 | 199 | 73 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1382 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 73 | 116 | 71 | 82 | 145 | 203 | 157 | 145 | 65 | 45 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1140 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 51 | 133 | 187 | 315 | 165 | 360 | 279 | 155 | 119 | 47 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1824 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 58 | 106 | 121 | 102 | 71 | 65 | 65 | 59 | 51 | 36 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 755 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 39 | 45 | 53 | 93 | 88 | 63 | 187 | 248 | 132 | 57 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1018 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 46 | 98 | 171 | 214 | 280 | 243 | 156 | 169 | 110 | 78 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1613 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 33 | 49 | 109 | 134 | 117 | 65 | 34 | 37 | 26 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 636 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 45 | 106 | 171 | 330 | 223 | 194 | 219 | 214 | 125 | 45 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1687 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 26 | 33 | 38 | 73 | 126 | 105 | 49 | 90 | 108 | 91 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 767 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 35 | 38 | 83 | 159 | 209 | 255 | 246 | 120 | 118 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 1296 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 ? | 21 ? | 30 | 34 | 38 ? | 109 | 92 | 107 | 85 | 41 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 576 ? |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 24 | 22 | 195 | 222 | 249 | 298 | 176 | 126 | 51 | 21 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1392 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 43 | 77 | 134 | 174 | 160 | 132 | 159 | 107 | 39 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1051 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 67 | 116 | 121 | 135 | 103 | 98 | 79 | 28 | 22 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 782 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 ? | 45 | 138 | 153 | 175 | 146 | 113 | 133 | 94 | 40 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1061 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 41 | 58 | 56 | 58 | 60 | 61 | 57 | 53 | 46 | 48 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 570 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 37 | 40 | 49 | 56 | 60 | 59 | 53 | 64 | 75 | 57 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 578 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 28 | 38 | 42 | 51 | 53 | 48 | 45 | 56 | 85 | 84 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 556 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 62 | 172 | 247 | 263 | 276 | 265 | 150 | 98 | 77 | 70 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1696 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 90 | 207 | 216 | 219 | 272 | 171 | 226 | 111 | 71 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1607 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 54 | 118 | 178 | 226 | 296 | 336 | 311 | 182 | 159 | 46 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1909 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 7 ? | 52 | 48 | 51 | 57 | 60 | 57 | 49 | 44 | 36 | 24 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 492 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 37 | 120 | 170 | 269 | 228 | 318 | 290 | 260 | 147 | 61 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1915 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 75 | 106 | 100 | 110 | 94 | 74 | 54 | 47 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 711 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 | 95 | 101 | 120 | 221 | 204 | 212 | 192 | 64 | 26 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1271 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 4 ? | 53 | 211 ? | 155 | 61 | 76 | 131 | 149 | 120 | 98 | 41 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1110 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 12 ? | 64 | 137 | 241 | 300 | 334 | 281 | 176 | 90 | 48 | 43 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1740 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 42 ? | 101 | 176 | 107 | 67 | 216 | 224 | 94 | 88 | 22 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1145 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 40 | 84 | 121 | 146 | 151 | 166 | 151 | 133 | 88 | 49 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 1149 |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 | 48 | 69 | 92 | 84 | 93 | 82 | 69 | 40 | 24 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 469 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0.89 | 0.52 | 0.58 | 0.57 | 0.63 | 0.56 | 0.56 | 0.54 | 0.52 | 0.45 | 0.49 | 0.64 | 5.57 | 0 | 0 | 0 | 0 | 0 | 0.41 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 21 | 30 | 34 | 38 | 48 | 45 | 34 | 28 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 492 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 90 | 211 | 248 | 330 | 334 | 360 | 311 | 260 | 199 | 118 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 1915 |
| n | 0 | 0 | 0 | 0 | 0 | 0 | 152 | 355 | 361 | 371 | 372 | 367 | 372 | 372 | 372 | 371 | 367 | 262 | 2 | 0 | 0 | 0 | 0 | 0 | 4096 |

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.3% exceed the 15% QC threshold -- 4152 total daylight measurements.

Instrument: Eppley PSP Serial Number: 17860F3 Calibration Factor: 7.010 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.