

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Bluefield State College - January 2000

Field: GHI

| Hour 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 | 1 | 25 | 74 | 138 | 215 | 186 | 111 | 224 | 64 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1056 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 93 | 245 | 381 | 450 | 481 | 438 | 336 | 201 | 76 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2704 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 70 | 176 | 332 | 322 | 293 | 276 | 245 | 98 | 25 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1840 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 52 | 72 | 35 | 40 | 42 | 46 | 30 | 77 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 415 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 28 | 77 | 136 | 197 | 205 | 203 | 145 | 198 | 87 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1278 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 102 | 267 | 409 | 497 | 527 | 488 | 394 | 247 | 89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3024 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 96 | 254 | 409 | 509 | 526 | 492 | 403 | 257 | 95 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3047 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 73 ? | ? 378 ? | 349 | 240 | 250 | 121 | 29 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1463 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 23 | 25 | 28 | 59 | 129 | 234 | 115 | 57 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 681 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 169 | 351 | 453 | 478 | 515 | 350 | 223 | 103 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2664 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 109 | 262 | 379 | 462 | 533 | 509 | 418 | 273 | 107 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3057 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 99 | 262 | 406 | 490 | 520 | 485 | 400 | 258 | 97 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3023 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 76 | 247 | 410 | 509 | 535 | 514 | 427 | 119 | 19 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2857 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 47 | 163 | 298 | 463 | 549 | 519 | 431 | 286 | 118 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2883 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 115 | 298 | 426 | 364 | 263 | 353 | 325 | 217 | 55 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2424 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 55 | 72 | 78 | 92 | 88 | 50 | 37 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 512 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 97 | 281 | 426 | 519 | 552 | 508 | 378 | 162 | 65 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2997 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 40 | 63 | 62 | 63 | 66 | 42 | 49 | 18 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 426 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 52 | 125 | 235 | 449 | 531 | 471 | 347 | 160 | 61 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2436 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 27 | 90 | 133 | 150 | 144 | 109 | 139 | 57 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 866 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 64 | 245 | 454 | 555 | 604 | 561 | 472 | 324 | 147 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 3446 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 91 | 134 | 141 | 213 | 199 | 196 | 125 | 123 | 32 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1263 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 | 61 | 95 | 202 | 151 | 146 | 135 | 66 | 34 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 917 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 26 | 53 | 120 | 184 | 162 | 126 | 94 | 38 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 826 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 61 | 231 | 400 | 558 | 596 | 555 | 327 | 183 | 101 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 3035 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 50 | 111 | 176 | 309 | 421 | 368 | 217 | 132 | 76 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1877 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 88 | 243 | 423 | 569 | 636 | 596 | 502 | 352 | 169 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 3605 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 92 | 245 | 340 | 364 | 376 | 454 | 505 | 345 | 164 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 2910 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 80 | 173 | 287 | 318 | 313 | 125 | 154 | 73 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1552 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 28 | 56 | 118 | 157 | 188 | 104 | 64 | 19 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 761 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 58 | 133 | 210 | 286 | 314 | 233 | 224 | 119 | 53 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1644 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 60 | 158 | 259 | 329 | 347 | 329 | 268 | 164 | 66 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1984 |
| S/D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 33 | 91 | 147 | 170 | 187 | 177 | 143 | 93 | 44 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1010 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.64 | 0.56 | 0.58 | 0.57 | 0.52 | 0.54 | 0.54 | 0.54 | 0.57 | 0.67 | 0.95 | 0 | 0 | 0 | 0 | 0 | 0 | 0.51 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 23 | 25 | 28 | 42 | 46 | 30 | 29 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 415 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 115 | 298 | 454 | 569 | 636 | 596 | 505 | 352 | 169 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 3605 |

Daylight Data Recovery: 0% missing; 1% exceed the 15% QC threshold -- 3684 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

| Data and Flag | Hour Column | Day Column |
|---------------|----------------------|----------------------|
| <value>* | 20% < Missing < 100% | 10% < Missing < 100% |
| <value>? | 20% < Fail QC < 100% | 10% < Fail QC < 100% |
| <blank>* | 100% Missing | 100% Missing |
| <blank>? | 100% Fail QC | 100% Fail QC |

Station: BS
Latitude: 37.27° N
Longitude: 81.24° W
Elevation: 803 Meters AMSL
Time Zone: -5

Instrument: PSP
Calibration Constant: 9.02 uV/Wm-2
Serial Number: 25821F3
Calibration Date: 5/21/1998

**Direct Normal Solar Radiation
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Bluefield State College - January 2000**

Field: DNI

| Hour 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 | 1 | 2 | 5 | 2 | 1 | 154 | 1 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 185 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 462 | 759 | 847 | 828 | 847 | 798 | 669 | 480 | 293 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 6015 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 179 | 406 | 256 | 166 | 235 | 125 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1416 |
| 4 | 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 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 26 | 2 | 318 | 574 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 986 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 566 | 870 | 962 | 1001 | 1010 | 988 | 939 | 838 | 607 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 7853 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 471 | 752 | 902 | 860 | 959 | 963 | 930 | 838 | 604 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 7352 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 446 ? | 764 ? | 474 ? | 208 | 10 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1942 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 117 | 6 | 88 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 236 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 213 | 643 | 724 | 728 | 781 | 420 | 608 | 581 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 4786 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 446 | 771 | 742 | 788 | 959 | 971 | 934 | 853 | 632 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 7188 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 525 | 825 | 920 | 955 | 958 | 930 | 859 | 747 | 455 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 7220 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 509 | 856 | 607 | 869 | 948 | 906 | 99 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4904 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 69 | 371 | 663 | 941 | 981 | 956 | 875 | 665 | 118 | 0 | 0 | 0 | 0 | 0 | 0 | 5642 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 566 | 543 | 930 | 491 | 7 | 68 | 446 | 352 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3402 |
| 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 | 445 | 850 | 947 | 988 | 993 | 894 | 596 | 103 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5819 |
| 18 | 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 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 210 | 542 | 588 | 391 | 64 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1815 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 390 | 937 | 993 | 1011 | 989 | 965 | 876 | 690 | 177 | 0 | 0 | 0 | 0 | 0 | 0 | 7032 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 10 | 1 | 2 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 241 | 445 | 731 | 928 | 898 | 95 | 1 | 54 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 3421 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 90 | 44 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 85 | 493 | 833 | 1013 | 1011 | 985 | 902 | 733 | 236 | 0 | 0 | 0 | 0 | 0 | 0 | 6292 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 135 | 190 | 126 | 96 | 291 | 948 | 906 | 734 | 180 | 0 | 0 | 0 | 0 | 0 | 0 | 3630 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 9 | 5 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 49 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 135 | 257 | 358 | 365 | 393 | 403 | 369 | 287 | 217 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 2823 |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 213 | 326 | 388 | 392 | 444 | 436 | 404 | 366 | 292 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 2879 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.46 | 1.57 | 1.27 | 1.08 | 1.07 | 1.13 | 1.08 | 1.09 | 1.28 | 1.34 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 1.02 |
| 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 | 0 | 0 | 566 | 870 | 962 | 1001 | 1013 | 1011 | 985 | 906 | 734 | 236 | 0 | 0 | 0 | 0 | 0 | 0 | 7853 |

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3684 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

| Data and Flag | Hour Column | Day Column |
|---------------|----------------------|----------------------|
| <value>* | 20% < Missing < 100% | 10% < Missing < 100% |
| <value>? | 20% < Fail QC < 100% | 10% < Fail QC < 100% |
| <blank>* | 100% Missing | 100% Missing |
| <blank>? | 100% Fail QC | 100% Fail QC |

Station: BS
Latitude: 37.27° N
Longitude: 81.24° W
Elevation: 803 Meters AMSL
Time Zone: -5

Instrument: NIP
Calibration Constant: 8.48 uV/Wm-2
Serial Number: 17664E6
Calibration Date: 5/21/1998

Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Bluefield State College - January 2000

Field: DHI

| Hour 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 | 1 | 24 | 71 | 134 | 204 | 179 | 108 | 162 | 61 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 961 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 28 | 41 | 52 | 65 | 69 | 72 | 75 | 71 | 44 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 521 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 63 | 116 | 162 | 189 | 202 | 151 | 192 | 92 | 24 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1197 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 50 | 70 | 34 | 39 | 41 | 44 | 29 | 74 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 401 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 74 | 131 | 188 | 196 | 185 | 137 | 127 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1087 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 36 | 41 | 45 | 47 | 44 | 39 | 30 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 29 | 48 | 57 | 111 | 63 | 54 | 47 | 37 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 471 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 | ? | 78 | ? | 152 | ? | 232 | 226 | 116 | 28 | 17 | 1 | 0 | 0 | 0 | 0 | 1109 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 | 24 | 27 | 56 | 116 | 189 | 109 | 50 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 603 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 96 | 88 | 106 | 116 | 147 | 174 | 61 | 25 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 833 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 41 | 45 | 80 | 84 | 59 | 55 | 48 | 37 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 476 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 34 | 40 | 42 | 46 | 47 | 55 | 47 | 32 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 373 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 59 | 94 | 66 | 201 | 91 | 65 | 64 | 84 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 744 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 45 | 134 | 132 | 140 | 77 | 56 | 47 | 37 | 23 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 697 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 33 | 123 | 52 | 113 | 245 | 293 | 130 | 95 | 52 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1145 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 52 | 69 | 74 | 88 | 85 | 48 | 35 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 490 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 39 | 43 | 46 | 50 | 68 | 112 | 120 | 64 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 575 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 38 | 61 | 60 | 61 | 64 | 40 | 47 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 408 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 50 | 119 | 221 | 328 | 260 | 136 | 139 | 125 | 58 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1439 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 25 | 86 | 127 | 144 | 137 | 104 | 130 | 54 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 824 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 48 | 99 | 70 | 75 | 83 | 74 | 64 | 54 | 34 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 610 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 78 | 127 | 135 | 205 | 191 | 189 | 121 | 116 | 30 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1202 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 58 | 91 | 195 | 146 | 142 | 131 | 63 | 32 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 884 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 25 | 51 | 115 | 177 | 157 | 121 | 90 | 35 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 794 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 60 | 143 | 192 | 182 | 100 | 93 | 256 | 170 | 86 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1303 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 47 | 105 | 168 | 289 | 365 | 339 | 204 | 125 | 71 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 1730 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 82 | 209 | 187 | 135 | 91 | 76 | 65 | 53 | 35 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 947 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 80 | 174 | 227 | 270 | 318 | 299 | 79 | 41 | 28 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1529 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 76 | 162 | 277 | 297 | 296 | 121 | 148 | 70 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1476 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 26 | 53 | 113 | 149 | 179 | 95 | 61 | 18 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 721 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 54 | 124 | 201 | 264 | 273 | 214 | 212 | 112 | 50 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1516 |
| Avg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 39 | 84 | 109 | 147 | 145 | 130 | 111 | 78 | 34 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 884 |
| S D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 | 49 | 67 | 84 | 90 | 78 | 59 | 37 | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 391 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.66 | 0.56 | 0.58 | 0.61 | 0.57 | 0.62 | 0.6 | 0.53 | 0.47 | 0.54 | 0.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0.44 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 | 24 | 27 | 41 | 44 | 29 | 28 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325 |
| Max | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 82 | 209 | 277 | 328 | 365 | 339 | 256 | 170 | 86 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1730 |

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3684 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

| Data and Flag | Hour Column | Day Column |
|---------------|----------------------|----------------------|
| <value>* | 20% < Missing < 100% | 10% < Missing < 100% |
| <value>? | 20% < Fail QC < 100% | 10% < Fail QC < 100% |
| <blank>* | 100% Missing | 100% Missing |
| <blank>? | 100% Fail QC | 100% Fail QC |

Station: BS
Latitude: 37.27° N
Longitude: 81.24° W
Elevation: 803 Meters AMSL
Time Zone: -5

Instrument: PSP
Calibration Constant: 7.01 uV/Wm-2
Serial Number: 17860F3
Calibration Date: 5/21/1998