

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Bluefield State College - May 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 | 11 | 129 | 331 | 545 | 709 | 856 | 906 | 927 | 927 | 795 | 641 | 475 | 205 | 11 | 0 ? | 0 | 0 | 0 | 0 | 7468 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 25 | 32 | 96 | 303 | 413 | 352 | 763 | 848 | 690 | 490 | 276 | 64 | 0 | 0 | 0 | 0 | 0 | 4363 |
| 3 | 0 | 0 | 0 | 0 | 0 | 11 | 140 | 332 | 535 | 735 | 878 | 967 | 906 | 701 | 634 | 484 | 434 | 238 | 46 | 1 | 0 | 0 | 0 | 0 | 7043 |
| 4 | 0 | 0 | 0 | 0 | 0 | 12 | 132 | 200 | 550 | 582 | 836 | 390 | 142 | 122 | 108 | 76 | 79 | 33 | 23 | 0 | 0 | 0 | 0 | 0 | 3286 |
| 5 | 0 | 0 | 0 | 0 | 0 | 7 | 68 | 275 ? | 479 | 684 | 742 | 708 | 582 | 829 | 462 | 309 | 467 | 115 | 45 | 1 | 0 | 0 | 0 | 0 | 5773 |
| 6 | 0 | 0 | 0 | 0 | 0 | 10 | 115 | 327 ? | 508 | 704 | 733 | 525 | 684 | 419 | 413 | 392 | 489 | 123 | 13 | 0 | 0 | 0 | 0 | 0 | 5456 |
| 7 | 0 | 0 | 0 | 0 | 0 | 10 | 87 | 309 | 523 | 707 | 748 | 776 | 687 | 675 | 827 | 679 | 506 | 284 | 84 | 1 | 0 | 0 | 0 | 0 | 6904 |
| 8 | 0 | 0 | 0 | 0 | 0 | 13 | 134 | 366 | 469 | 309 | 129 | 675 | 838 | 848 | 648 | 635 | 393 | 275 | 71 | 2 | 0 | 0 | 0 | 0 | 5804 |
| 9 | 0 | 0 | 0 | 0 | 0 | 13 | 77 | 137 | 401 | 412 | 610 | 770 | 926 | 897 | 826 | 660 | 460 | 222 | 73 | 2 | 0 | 0 | 0 | 0 | 6486 |
| 10 | 0 | 0 | 0 | 0 | 0 | 8 | 39 | 193 | 504 | 665 | 805 | 516 | 786 | 802 | 854 | 689 | 507 | 184 | 87 | 2 | 0 | 0 | 0 | 0 | 6641 |
| 11 | 0 | 0 | 0 | 0 | 0 | 19 | 167 | 361 | 574 | 751 | 893 | 977 | 1006 | 978 | 798 | 555 | 391 | 245 | 84 | 2 | 0 | 0 | 0 | 0 | 7800 |
| 12 | 0 | 0 | 0 | 0 | 0 | 12 | 112 | 320 | 326 | 535 | 602 | 634 | 749 | 872 | 605 | 630 | 480 | 258 | 87 | 3 | 0 | 0 | 0 | 0 | 6224 |
| 13 | 0 | 0 | 0 | 0 | 0 | 13 | 106 | 141 | 357 | 385 | 422 | 832 | 954 | 460 | 457 | 421 | 64 | 26 | 14 | 2 | 0 | 0 | 0 | 0 | 4653 |
| 14 | 0 | 0 | 0 | 0 | 0 | 7 | 161 | 379 | 582 | 727 | 795 | 1002 | 1031 | 990 | 881 | 724 | 520 | 308 | 83 | 3 | 0 | 0 | 0 | 0 | 8195 |
| 15 | 0 | 0 | 0 | 0 | 0 | 17 | 101 | 249 | 489 | 663 | 915 | 1015 | 1044 | 833 | 691 | 798 | 382 | 217 | 84 | 3 | 0 | 0 | 0 | 0 | 7501 |
| 16 | 0 | 0 | 0 | 0 | 0 | 25 | 183 | 373 | 579 | 767 | 910 | 992 | 994 | 933 | 773 | 563 | 157 | 62 | 10 | 0 | 0 | 0 | 0 | 0 | 7321 |
| 17 | 0 | 0 | 0 | 0 | 0 | 22 | 143 | 297 | 359 | 578 | 599 | 560 | 544 | 767 | 702 | 342 | 187 | 104 | 43 | 2 | 0 | 0 | 0 | 0 | 5250 |
| 18 | 0 | 0 | 0 | 0 | 0 | 13 | 110 | 234 | 326 | 673 | 804 | 802 | 790 | 868 | 786 | 669 | 492 | 288 | 90 | 3 | 0 | 0 | 0 | 0 | 6949 |
| 19 | 0 | 0 | 0 | 0 | 0 | 19 | 91 | 232 | 311 | 412 | 631 | 782 | 892 | 334 | 284 | 125 | 27 | 15 | 26 | 1 | 0 | 0 | 0 | 0 | 4183 |
| 20 | 0 | 0 | 0 | 0 | 0 | 16 | 90 | 243 | 515 | 671 | 602 | 520 | 389 | 302 | 408 | 240 | 150 | 77 | 31 | 3 | 0 | 0 | 0 | 0 | 4256 |
| 21 | 0 | 0 | 0 | 0 | 0 | 5 | 68 | 256 ? | 463 | 492 | 632 | 516 | 631 | 668 | 678 | 536 | 347 | 233 | 55 | 7 | 0 | 0 | 0 | 0 | 5586 |
| 22 | 0 | 0 | 0 | 0 | 0 | 17 | 66 | 180 | 338 | 413 | 693 | 547 | 824 | 714 | 608 | 706 | 518 | 251 | 82 | 7 | 0 | 0 | 0 | 0 | 5964 |
| 23 | 0 | 0 | 0 | 0 | 0 | 7 | 30 | 77 | 172 | 152 | 258 | 611 | 857 | 531 | 440 | 439 | 116 | 43 | 26 | 3 | 0 | 0 | 0 | 0 | 3762 |
| 24 | 0 | 0 | 0 | 0 | 0 | 9 | 86 | 261 | 244 | 296 | 486 | 472 | 533 | 679 | 654 | 609 | 446 | 312 | 59 | 6 | 0 | 0 | 0 | 0 | 5152 |
| 25 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 17 | 168 | 65 | 179 | 145 | 562 | 842 | 857 | 554 | 197 | 267 | 99 | 6 | 0 | 0 | 0 | 0 | 3967 |
| 26 | 0 | 0 | 0 | 0 | 0 | 28 | 133 ? | 435 ? | 503 ? | 753 | 887 | 972 | 925 | 971 | 874 | 668 | 407 | 151 | 80 | 6 | 0 | 0 | 0 | 0 | 7793 |
| 27 | 0 | 0 | 0 | 0 | 0 | 6 | 97 | 256 | 353 | 451 | 414 | 343 | 96 | 97 | 570 | 603 | 342 | 104 | 83 | 6 | 0 | 0 | 0 | 0 | 3821 |
| 28 | 0 | 0 | 0 | 0 | 0 | 14 | 88 | 192 | 131 | 270 | 289 | 485 | 691 | 791 | 748 | 103 | 198 | 168 | 79 | 10 | 0 | 0 | 0 | 0 | 4256 |
| 29 | 0 | 0 | 0 | 0 | 0 | 9 | 23 | 85 | 297 | 226 | 383 | 384 | 645 | 443 | 96 | 67 | 151 | 40 | 9 | 2 | 0 | 0 | 0 | 0 | 2862 |
| 30 | 0 | 0 | 0 | 0 | 0 | 33 | 194 | 401 | 610 | 795 | 948 | 1003 | 1080 | 994 | 891 | 699 | 511 | 300 | 134 | 14 | 0 | 0 | 0 | 0 | 8609 |
| 31 | 0 | 0 | 0 | 0 | 0 | 42 | 177 | 372 | 579 | 755 | 881 | 976 | 984 | 942 | 806 | 664 | 486 | 301 | 109 | 7 | 0 | 0 | 0 | 0 | 8081 |
| Avg | 0 | 0 | 0 | 0 | 0 | 14 | 102 | 253 | 414 | 530 | 641 | 684 | 744 | 709 | 646 | 515 | 351 | 185 | 61 | 3 | 0 | 0 | 0 | 0 | 5852 |
| S/D | 0 | 0 | 0 | 0 | 0 | 9 | 49 | 108 | 149 | 215 | 236 | 237 | 250 | 248 | 215 | 207 | 160 | 97 | 33 | 3 | 0 | 0 | 0 | 0 | 1588 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0.62 | 0.48 | 0.43 | 0.36 | 0.41 | 0.37 | 0.35 | 0.34 | 0.35 | 0.33 | 0.4 | 0.46 | 0.52 | 0.54 | 0.96 | 0 | 0 | 0 | 0 | 0.27 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 17 | 32 | 65 | 129 | 145 | 96 | 97 | 96 | 67 | 27 | 15 | 9 | 0 | 0 | 0 | 0 | 0 | 2862 |
| Max | 0 | 0 | 0 | 0 | 0 | 42 | 194 | 435 | 610 | 795 | 948 | 1015 | 1080 | 994 | 891 | 798 | 520 | 312 | 134 | 14 | 0 | 0 | 0 | 0 | 8609 |

Daylight Data Recovery: 0% missing; 1% exceed the 15% QC threshold -- 5264 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 - May 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 | 42 | 371 | 616 | 733 | 681 | 737 | 675 | 651 | 791 | 767 | 671 | 726 | 274 | 0 | 0 | 0 | 0 | 0 | 0 | 7737 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 47 | 3 | 624 | 917 | 877 | 806 | 676 | 212 | 0 | 0 | 0 | 0 | 0 | 4168 |
| 3 | 0 | 0 | 0 | 0 | 0 | 61 | 448 | 647 | 758 | 858 | 897 | 921 | 731 | 443 | 405 | 369 | 571 | 432 | 55 | 0 | 0 | 0 | 0 | 0 | 7598 |
| 4 | 0 | 0 | 0 | 0 | 0 | 14 | 179 | 35 | 444 | 171 | 594 | 113 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1552 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 363 | ? | 600 | 669 | 476 | 299 | 118 | 523 | 225 | 83 | 429 | 27 | 4 | 0 | 0 | 0 | 0 | 3850 |
| 6 | 0 | 0 | 0 | 0 | 0 | 15 | 290 | 589 | ? | 672 | 745 | 553 | 241 | 375 | 91 | 110 | 156 | 482 | 94 | 0 | 0 | 0 | 0 | 0 | 4410 |
| 7 | 0 | 0 | 0 | 0 | 0 | 14 | 84 | 495 | 663 | 743 | 591 | 488 | 400 | 462 | 718 | 711 | 679 | 555 | 166 | 0 | 0 | 0 | 0 | 0 | 6769 |
| 8 | 0 | 0 | 0 | 0 | 0 | 30 | 331 | 570 | 338 | 12 | 0 | 231 | 413 | 550 | 322 | 583 | 405 | 539 | 163 | 0 | 0 | 0 | 0 | 0 | 4487 |
| 9 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 1 | 221 | 75 | 261 | 453 | 669 | 675 | 698 | 682 | 605 | 334 | 166 | 0 | 0 | 0 | 0 | 0 | 4850 |
| 10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 39 | 499 | 457 | 616 | 256 | 481 | 574 | 833 | 826 | 790 | 233 | 165 | 0 | 0 | 0 | 0 | 0 | 5770 |
| 11 | 0 | 0 | 0 | 0 | 0 | 101 | 579 | 776 | 868 | 900 | 941 | 956 | 960 | 958 | 602 | 278 | 219 | 214 | 91 | 0 | 0 | 0 | 0 | 0 | 8443 |
| 12 | 0 | 0 | 0 | 0 | 0 | 8 | 154 | 393 | 61 | 183 | 241 | 210 | 325 | 531 | 302 | 516 | 568 | 425 | 151 | 0 | 0 | 0 | 0 | 0 | 4066 |
| 13 | 0 | 0 | 0 | 0 | 0 | 6 | 90 | 16 | 146 | 102 | 179 | 605 | 714 | 115 | 137 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2391 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 411 | 691 | 679 | 642 | 559 | 944 | 975 | 957 | 920 | 880 | 799 | 696 | 253 | 0 | 0 | 0 | 0 | 0 | 9404 |
| 15 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 76 | 354 | 501 | 889 | 923 | 887 | 635 | 520 | 831 | 421 | 291 | 126 | 0 | 0 | 0 | 0 | 0 | 6468 |
| 16 | 0 | 0 | 0 | 0 | 0 | 77 | 477 | 707 | 826 | 884 | 922 | 903 | 842 | 774 | 565 | 327 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7312 |
| 17 | 0 | 0 | 0 | 0 | 0 | 14 | 97 | 253 | 67 | 217 | 164 | 100 | 98 | 330 | 390 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1749 |
| 18 | 0 | 0 | 0 | 0 | 0 | 2 | 57 | 64 | 111 | 517 | 586 | 381 | 327 | 557 | 594 | 664 | 690 | 570 | 238 | 0 | 0 | 0 | 0 | 0 | 5356 |
| 19 | 0 | 0 | 0 | 0 | 0 | 17 | 13 | 75 | 24 | 56 | 232 | 268 | 474 | 22 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1185 |
| 20 | 0 | 0 | 0 | 0 | 0 | 17 | 18 | 131 | 480 | 382 | 158 | 91 | 8 | 3 | 39 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1333 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 269 | ? | 344 | 115 | 346 | 113 | 274 | 347 | 410 | 396 | 168 | 242 | 1 | 0 | 0 | 0 | 0 | 3029 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 21 | 103 | 117 | 410 | 151 | 459 | 387 | 373 | 693 | 616 | 321 | 36 | 0 | 0 | 0 | 0 | 0 | 3699 |
| 23 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 1 | 2 | 129 | 533 | 88 | 29 | 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 913 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 125 | 15 | 22 | 148 | 105 | 167 | 353 | 445 | 503 | 509 | 535 | 30 | 0 | 0 | 0 | 0 | 0 | 2963 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 72 | 462 | 774 | 289 | 3 | 294 | 230 | 0 | 0 | 0 | 0 | 0 | 2130 |
| 26 | 0 | 0 | 0 | 0 | 0 | 1 | 158 | ? | 685 | ? | 819 | ? | 789 | 780 | 826 | 607 | 854 | 847 | 672 | 299 | 24 | 47 | 0 | 0 | 7407 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 95 | 66 | 56 | 14 | 24 | 0 | 2 | 131 | 300 | 198 | 18 | 29 | 0 | 0 | 0 | 0 | 0 | 948 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 21 | 1 | 8 | 4 | 52 | 209 | 395 | 560 | 0 | 13 | 77 | 1 | 0 | 0 | 0 | 0 | 0 | 1366 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 4 | 25 | 8 | 178 | 68 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 389 |
| 30 | 0 | 0 | 0 | 0 | 0 | 144 | 534 | 727 | 823 | 846 | 851 | 774 | 924 | 943 | 920 | 788 | 718 | 609 | 363 | 0 | 0 | 0 | 0 | 0 | 9965 |
| 31 | 0 | 0 | 0 | 0 | 0 | 163 | 579 | 776 | 868 | 900 | 941 | 956 | 975 | 958 | 920 | 880 | 806 | 696 | 363 | 0 | 0 | 0 | 0 | 0 | 8934 |
| Avg | 0 | 0 | 0 | 0 | 0 | 24 | 153 | 293 | 374 | 374 | 420 | 392 | 444 | 464 | 460 | 424 | 367 | 259 | 90 | 0 | 0 | 0 | 0 | 0 | 4537 |
| S D | 0 | 0 | 0 | 0 | 0 | 42 | 184 | 282 | 313 | 336 | 325 | 335 | 312 | 301 | 300 | 299 | 298 | 238 | 104 | 0 | 0 | 0 | 0 | 0 | 2797 |
| S/A | 0 | 0 | 0 | 0 | 0 | 1.75 | 1.2 | 0.96 | 0.83 | 0.9 | 0.78 | 0.85 | 0.7 | 0.65 | 0.65 | 0.71 | 0.81 | 0.92 | 1.15 | 5.27 | 0 | 0 | 0 | 0 | 0.62 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 389 |
| Max | 0 | 0 | 0 | 0 | 0 | 163 | 579 | 776 | 868 | 900 | 941 | 956 | 975 | 958 | 920 | 880 | 806 | 696 | 363 | 0 | 0 | 0 | 0 | 0 | 9965 |

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 5264 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 - May 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 | 10 | 66 | 104 | 133 | 203 | 222 | 284 | 314 | 222 | 173 | 180 | 118 | 116 | 10 | 0 ? | 0 | 0 | 0 | 0 | 2156 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 22 | 28 | 84 | 263 | 346 | 307 | 202 | 111 | 105 | 87 | 69 | 30 | 0 | 0 | 0 | 0 | 0 | 1661 |
| 3 | 0 | 0 | 0 | 0 | 0 | 8 | 68 | 94 | 116 | 122 | 129 | 133 | 226 | 301 | 306 | 245 | 154 | 108 | 36 | 1 | 0 | 0 | 0 | 0 | 2048 |
| 4 | 0 | 0 | 0 | 0 | 0 | 11 | 106 | 166 | 297 | 439 | 343 | 266 | 124 | 106 | 93 | 67 | 69 | 28 | 21 | 0 | 0 | 0 | 0 | 0 | 2136 |
| 5 | 0 | 0 | 0 | 0 | 0 | 6 | 55 | 143 ? | 174 | 218 | 340 | 427 | 452 | 352 | 253 | 238 | 249 | 98 | 40 | 0 | 0 | 0 | 0 | 0 | 3045 |
| 6 | 0 | 0 | 0 | 0 | 0 | 9 | 72 | 123 ? | 144 | 172 | 273 | 299 | 322 | 324 | 311 | 277 | 254 | 87 | 12 | 0 | 0 | 0 | 0 | 0 | 2679 |
| 7 | 0 | 0 | 0 | 0 | 0 | 10 | 63 | 124 | 155 | 175 | 256 | 327 | 313 | 260 | 249 | 203 | 164 | 113 | 55 | 1 | 0 | 0 | 0 | 0 | 2469 |
| 8 | 0 | 0 | 0 | 0 | 0 | 11 | 74 | 150 | 278 | 273 | 113 | 425 | 430 | 342 | 382 | 238 | 188 | 106 | 43 | 2 | 0 | 0 | 0 | 0 | 3056 |
| 9 | 0 | 0 | 0 | 0 | 0 | 11 | 68 | 119 | 276 | 338 | 378 | 345 | 295 | 289 | 257 | 196 | 149 | 117 | 44 | 1 | 0 | 0 | 0 | 0 | 2884 |
| 10 | 0 | 0 | 0 | 0 | 0 | 7 | 34 | 168 | 201 | 324 | 281 | 276 | 335 | 272 | 165 | 121 | 100 | 95 | 59 | 2 | 0 | 0 | 0 | 0 | 2439 |
| 11 | 0 | 0 | 0 | 0 | 0 | 15 | 59 | 72 | 82 | 96 | 95 | 98 | 103 | 110 | 276 | 345 | 269 | 171 | 68 | 1 | 0 | 0 | 0 | 0 | 1859 |
| 12 | 0 | 0 | 0 | 0 | 0 | 11 | 78 | 174 | 269 | 386 | 395 | 440 | 432 | 392 | 356 | 278 | 188 | 120 | 60 | 3 | 0 | 0 | 0 | 0 | 3583 |
| 13 | 0 | 0 | 0 | 0 | 0 | 12 | 87 | 125 | 252 | 309 | 256 | 265 | 278 | 353 | 337 | 201 | 58 | 23 | 13 | 2 | 0 | 0 | 0 | 0 | 2568 |
| 14 | 0 | 0 | 0 | 0 | 0 | 6 | 70 | 107 | 179 | 249 | 295 | 122 | 106 | 108 | 107 | 99 | 92 | 73 | 37 | 2 | 0 | 0 | 0 | 0 | 1653 |
| 15 | 0 | 0 | 0 | 0 | 0 | 15 | 88 | 210 | 269 | 268 | 155 | 159 | 201 | 244 | 251 | 228 | 155 | 119 | 61 | 3 | 0 | 0 | 0 | 0 | 2427 |
| 16 | 0 | 0 | 0 | 0 | 0 | 19 | 74 | 93 | 105 | 119 | 126 | 155 | 194 | 222 | 311 | 311 | 138 | 55 | 9 | 0 | 0 | 0 | 0 | 0 | 1928 |
| 17 | 0 | 0 | 0 | 0 | 0 | 19 | 119 | 203 | 321 | 403 | 457 | 457 | 438 | 453 | 367 | 308 | 165 | 91 | 38 | 2 | 0 | 0 | 0 | 0 | 3841 |
| 18 | 0 | 0 | 0 | 0 | 0 | 12 | 98 | 206 | 241 | 273 | 285 | 443 | 486 | 358 | 294 | 212 | 138 | 104 | 47 | 3 | 0 | 0 | 0 | 0 | 3199 |
| 19 | 0 | 0 | 0 | 0 | 0 | 17 | 84 | 203 | 291 | 339 | 420 | 526 | 439 | 290 | 252 | 109 | 24 | 13 | 23 | 0 | 0 | 0 | 0 | 0 | 3029 |
| 20 | 0 | 0 | 0 | 0 | 0 | 14 | 77 | 181 | 230 | 393 | 457 | 422 | 344 | 264 | 358 | 207 | 130 | 68 | 26 | 2 | 0 | 0 | 0 | 0 | 3175 |
| 21 | 0 | 0 | 0 | 0 | 0 | 4 | 60 | 137 ? | 254 | 400 | 330 | 393 | 360 | 336 | 332 | 254 | 258 | 142 | 47 | 6 | 0 | 0 | 0 | 0 | 3312 |
| 22 | 0 | 0 | 0 | 0 | 0 | 15 | 58 | 157 | 280 | 319 | 343 | 401 | 398 | 362 | 300 | 224 | 193 | 135 | 72 | 6 | 0 | 0 | 0 | 0 | 3265 |
| 23 | 0 | 0 | 0 | 0 | 0 | 6 | 26 | 68 | 152 | 133 | 227 | 454 | 339 | 452 | 402 | 325 | 102 | 37 | 23 | 3 | 0 | 0 | 0 | 0 | 2749 |
| 24 | 0 | 0 | 0 | 0 | 0 | 8 | 76 | 199 | 217 | 263 | 350 | 367 | 367 | 356 | 273 | 263 | 165 | 134 | 48 | 6 | 0 | 0 | 0 | 0 | 3092 |
| 25 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 15 | 147 | 56 | 156 | 127 | 463 | 389 | 198 | 337 | 170 | 174 | 55 | 5 | 0 | 0 | 0 | 0 | 2301 |
| 26 | 0 | 0 | 0 | 0 | 0 | 25 | 84 ? | 94 | 105 | 153 | 205 | 191 | 332 | 176 | 153 | 180 | 232 | 130 | 67 | 6 | 0 | 0 | 0 | 0 | 2132 |
| 27 | 0 | 0 | 0 | 0 | 0 | 6 | 87 | 221 | 317 | 403 | 373 | 304 | 85 | 98 | 454 | 398 | 222 | 94 | 73 | 5 | 0 | 0 | 0 | 0 | 3140 |
| 28 | 0 | 0 | 0 | 0 | 0 | 12 | 77 | 166 | 115 | 246 | 257 | 413 | 490 | 411 | 262 | 89 | 179 | 138 | 68 | 9 | 0 | 0 | 0 | 0 | 2933 |
| 29 | 0 | 0 | 0 | 0 | 0 | 8 | 20 | 74 | 223 | 200 | 332 | 336 | 452 | 355 | 84 | 59 | 132 | 34 | 8 | 2 | 0 | 0 | 0 | 0 | 2319 |
| 30 | 0 | 0 | 0 | 0 | 0 | 24 | 80 | 103 | 117 | 152 | 197 | 271 | 192 | 119 | 114 | 134 | 118 | 83 | 64 | 13 | 0 | 0 | 0 | 0 | 1782 |
| 31 | 0 | 0 | 0 | 0 | 0 | 28 | 99 | 124 | 113 | 129 | 154 | 161 | 145 | 145 | 213 | 216 | 135 | 101 | 58 | 6 | 0 | 0 | 0 | 0 | 1826 |
| Avg | 0 | 0 | 0 | 0 | 0 | 12 | 68 | 134 | 196 | 246 | 273 | 311 | 315 | 280 | 258 | 214 | 155 | 96 | 42 | 3 | 0 | 0 | 0 | 0 | 2603 |
| S/D | 0 | 0 | 0 | 0 | 0 | 6 | 26 | 53 | 78 | 108 | 100 | 118 | 120 | 104 | 96 | 86 | 60 | 40 | 20 | 3 | 0 | 0 | 0 | 0 | 588 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0.55 | 0.38 | 0.4 | 0.4 | 0.44 | 0.37 | 0.38 | 0.38 | 0.37 | 0.37 | 0.4 | 0.39 | 0.42 | 0.48 | 0.95 | 0 | 0 | 0 | 0 | 0.23 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 28 | 56 | 95 | 98 | 85 | 98 | 84 | 59 | 24 | 13 | 8 | 0 | 0 | 0 | 0 | 0 | 1653 |
| Max | 0 | 0 | 0 | 0 | 0 | 28 | 119 | 221 | 321 | 439 | 457 | 526 | 490 | 453 | 454 | 398 | 269 | 174 | 73 | 13 | 0 | 0 | 0 | 0 | 3841 |

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 5264 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