

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Bethune-Cookman College - December 1999**

Field: GHI

| Hour<br>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 | 41   | 193 | 404  | 398  | 449  | 563  | 605  | 487  | 308  | 117  | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 3569  |
| 2           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65   | 251 | 434  | 572  | 652  | 673  | 611  | 478  | 302  | 108  | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 4150  |
| 3           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76   | 189 | 379  | 531  | 541  | 624  | 391  | 275  | 243  | 73   | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 3326  |
| 4           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27   | 131 | 227  | 338  | 397  | 287  | 424  | 444  | 123  | 54   | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 2456  |
| 5           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34   | 188 | 171  | 267  | 379  | 437  | 268  | 243  | 235  | 100  | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 2324  |
| 6           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62   | 226 | 467  | 504  | 373  | 333  | 391  | 345  | 96   | 23   | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 2824  |
| 7           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62   | 241 | 423  | 563  | 645  | 663  | 599  | 474  | 301  | 106  | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 4081  |
| 8           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50   | 223 | 398  | 538  | 623  | 645  | 587  | 448  | 298  | 75   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 3886  |
| 9           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41   | 194 | 352  | 487  | 597  | 625  | 562  | 445  | 279  | 99   | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 3685  |
| 10          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59   | 159 | 377  | 530  | 613  | 619  | 563  | 447  | 285  | 105  | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 3761  |
| 11          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15   | 155 | 400  | 524  | 608  | 625  | 556  | 455  | 290  | 101  | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 3733  |
| 12          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17   | 109 | 337  | 519  | 414  | 450  | 387  | 319  | 131  | 22   | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 2708  |
| 13          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30   | 184 | 310  | 308  | 393  | 164  | 159  | 192  | 152  | 72   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 1966  |
| 14          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15   | 48  | 146  | 343  | 597  | 607  | 448  | 431  | 268  | 103  | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 3008  |
| 15          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13   | 105 | 291  | 414  | 587  | 630  | 565  | 482  | 338  | 82   | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 3510  |
| 16          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12   | 95  | 297  | 394  | 361  | 238  | 344  | 167  | 117  | 52   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 2079  |
| 17          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37   | 122 | 173  | 277  | 329  | 211  | 188  | 93   | 44   | 12   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 1487  |
| 18          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8    | 28  | 42   | 73   | 102  | 80   | 31   | 43   | 21   | 9    | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 437   |
| 19          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11   | 135 | 339  | 520  | 628  | 609  | 557  | 463  | 292  | 114  | 5   | 0  | 0  | 0  | 0  | 0  | 0  | 3673  |
| 20          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27   | 127 | 354  | 534  | 620  | 621  | 554  | 354  | 196  | 72   | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 3464  |
| 21          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13   | 78  | 136  | 208  | 194  | 213  | 292  | 384  | 317  | 126  | 5   | 0  | 0  | 0  | 0  | 0  | 0  | 1966  |
| 22          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18   | 110 | 167  | 155  | 407  | 508  | 321  | 135  | 74   | 28   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 1925  |
| 23          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5    | 26  | 35   | 45   | 45   | 54   | 82   | 76   | 59   | 28   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 457   |
| 24          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36   | 206 | 398  | 546  | 636  | 659  | 607  | 488  | 323  | 130  | 7   | 0  | 0  | 0  | 0  | 0  | 0  | 4035  |
| 25          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35   | 203 | 390  | 540  | 634  | 604  | 550  | 394  | 303  | 109  | 9   | 0  | 0  | 0  | 0  | 0  | 0  | 3771  |
| 26          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34   | 199 | 392  | 547  | 645  | 673  | 621  | 502  | 331  | 134  | 9   | 0  | 0  | 0  | 0  | 0  | 0  | 4086  |
| 27          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42   | 216 | 380  | 536  | 634  | 662  | 612  | 493  | 327  | 132  | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 4042  |
| 28          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15   | 69  | 130  | 405  | 607  | 644  | 606  | 495  | 328  | 136  | 9   | 0  | 0  | 0  | 0  | 0  | 0  | 3443  |
| 29          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33   | 197 | 385  | 531  | 623  | 650  | 601  | 486  | 322  | 132  | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 3969  |
| 30          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37   | 195 | 378  | 526  | 618  | 646  | 601  | 485  | 322  | 129  | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 3945  |
| 31          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24   | 165 | 302  | 478  | 593  | 639  | 436  | 348  | 287  | 101  | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 3381  |
| Avg         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32   | 154 | 304  | 424  | 501  | 505  | 455  | 367  | 236  | 87   | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 3069  |
| S/D         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18   | 61  | 118  | 147  | 165  | 195  | 169  | 140  | 100  | 39   | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 1024  |
| S/A         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.57 | 0.4 | 0.39 | 0.35 | 0.33 | 0.39 | 0.37 | 0.38 | 0.42 | 0.45 | 0.6 | 0  | 0  | 0  | 0  | 0  | 0  | 0.33  |
| Min         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5    | 26  | 35   | 45   | 45   | 54   | 31   | 43   | 21   | 9    | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 437   |
| Max         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76   | 251 | 467  | 572  | 652  | 673  | 621  | 502  | 338  | 136  | 9   | 0  | 0  | 0  | 0  | 0  | 0  | 4150  |

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3839 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: BC  
Latitude: 29.18° N  
Longitude: 81.02° W  
Elevation: 20 Meters AMSL  
Time Zone: -5

Instrument: PSP  
Calibration Constant: 8.67 uV/Wm-2  
Serial Number: 13434F3  
Calibration Date: 5/18/1998

**Direct Normal Solar Radiation  
Hourly Integrated and Daily Totals  
Watt-Hours per Square Meter  
Bethune-Cookman College - December 1999**

Field: DNI

| Hour<br>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 | 44  | 52   | 56   | 48   | 41   | 40   | 44   | 36   | 38   | 28   | 13   | 0  | 0  | 0  | 0  | 0  | 0  | 440   |
| 2           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34  | 49   | 39   | 38   | 29   | 41   | 41   | 33   | 38   | 26   | 18   | 0  | 0  | 0  | 0  | 0  | 0  | 385   |
| 3           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45  | 44   | 47   | 42   | 53   | 59   | 31   | 13   | 44   | 24   | 19   | 0  | 0  | 0  | 0  | 0  | 0  | 423   |
| 4           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12  | 11   | 9    | 13   | 24   | 20   | 41   | 37   | 20   | 16   | 10   | 0  | 0  | 0  | 0  | 0  | 0  | 212   |
| 5           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10  | 35   | 25   | 19   | 17   | 40   | 19   | 26   | 43   | 23   | 22   | 0  | 0  | 0  | 0  | 0  | 0  | 278   |
| 6           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46  | 47   | 46   | 63   | 20   | 16   | 30   | 34   | 16   | 9    | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 330   |
| 7           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55  | 49   | 35   | 43   | 36   | 46   | 40   | 38   | 44   | 22   | 16   | 0  | 0  | 0  | 0  | 0  | 0  | 424   |
| 8           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52  | 49   | 36   | 41   | 33   | 45   | 39   | 34   | 50   | 17   | 12   | 0  | 0  | 0  | 0  | 0  | 0  | 409   |
| 9           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15  | 39   | 30   | 43   | 38   | 45   | 41   | 42   | 46   | 31   | 17   | 0  | 0  | 0  | 0  | 0  | 0  | 389   |
| 10          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43  | 51   | 32   | 41   | 35   | 40   | 39   | 36   | 43   | 18   | 19   | 0  | 0  | 0  | 0  | 0  | 0  | 397   |
| 11          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10  | 38   | 48   | 46   | 39   | 45   | 45   | 43   | 57   | 30   | 25   | 0  | 0  | 0  | 0  | 0  | 0  | 426   |
| 12          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9   | 17   | 14   | 45   | 31   | 46   | 27   | 22   | 22   | 6    | 7    | 0  | 0  | 0  | 0  | 0  | 0  | 246   |
| 13          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28  | 45   | 37   | 28   | 33   | 13   | 13   | 18   | 18   | 17   | 10   | 0  | 0  | 0  | 0  | 0  | 0  | 261   |
| 14          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10  | 10   | 17   | 35   | 41   | 44   | 48   | 51   | 41   | 33   | 16   | 0  | 0  | 0  | 0  | 0  | 0  | 347   |
| 15          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16  | 11   | 25   | 45   | 42   | 46   | 41   | 47   | 69   | 19   | 13   | 0  | 0  | 0  | 0  | 0  | 0  | 374   |
| 16          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6   | 17   | 38   | 43   | 38   | 17   | 14   | 14   | 14   | 12   | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 218   |
| 17          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14  | 21   | 17   | 23   | 19   | 17   | 16   | 11   | 9    | 9    | 61   | 0  | 0  | 0  | 0  | 0  | 0  | 218   |
| 18          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6   | 7    | 6    | 8    | 9    | 6    | 3    | 5    | 4    | 3    | 16   | 0  | 0  | 0  | 0  | 0  | 0  | 73    |
| 19          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6   | 19   | 40   | 44   | 38   | 43   | 37   | 32   | 38   | 30   | 46   | 0  | 0  | 0  | 0  | 0  | 0  | 371   |
| 20          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11  | 25   | 28   | 47   | 47   | 53   | 51   | 37   | 23   | 16   | 10   | 0  | 0  | 0  | 0  | 0  | 0  | 348   |
| 21          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7   | 14   | 10   | 8    | 15   | 16   | 24   | 38   | 57   | 43   | 30   | 0  | 0  | 0  | 0  | 0  | 0  | 263   |
| 22          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22  | 23   | 21   | 17   | 33   | 50   | 20   | 17   | 12   | 9    | 5    | 0  | 0  | 0  | 0  | 0  | 0  | 230   |
| 23          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6   | 8    | 5    | 5    | 5    | 5    | 8    | 9    | 9    | 7    | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 66    |
| 24          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39  | 46   | 38   | 48   | 39   | 41   | 39   | 34   | 38   | 31   | 19   | 0  | 0  | 0  | 0  | 0  | 0  | 412   |
| 25          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48  | 49   | 40   | 49   | 41   | 47   | 51   | 54   | 53   | 28   | 13   | 0  | 0  | 0  | 0  | 0  | 0  | 472   |
| 26          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70  | 45   | 38   | 46   | 37   | 38   | 37   | 31   | 34   | 27   | 13   | 0  | 0  | 0  | 0  | 0  | 0  | 416   |
| 27          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31  | 25   | 27   | 51   | 38   | 36   | 36   | 31   | 33   | 27   | 14   | 0  | 0  | 0  | 0  | 0  | 0  | 348   |
| 28          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12  | 12   | 12   | 45   | 40   | 39   | 38   | 33   | 32   | 25   | 11   | 0  | 0  | 0  | 0  | 0  | 0  | 299   |
| 29          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30  | 39   | 36   | 53   | 40   | 39   | 39   | 34   | 37   | 30   | 60   | 0  | 0  | 0  | 0  | 0  | 0  | 436   |
| 30          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35  | 45   | 36   | 52   | 39   | 37   | 38   | 35   | 37   | 31   | 32   | 0  | 0  | 0  | 0  | 0  | 0  | 419   |
| 31          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17  | 9    | 16   | 47   | 38   | 40   | 45   | 39   | 45   | 31   | 30   | 0  | 0  | 0  | 0  | 0  | 0  | 357   |
| Avg         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25  | 31   | 29   | 38   | 33   | 36   | 33   | 31   | 34   | 22   | 19   | 0  | 0  | 0  | 0  | 0  | 0  | 332   |
| S/D         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18  | 16   | 13   | 15   | 11   | 14   | 13   | 12   | 16   | 10   | 14   | 0  | 0  | 0  | 0  | 0  | 0  | 101   |
| S/A         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.52 | 0.45 | 0.39 | 0.33 | 0.39 | 0.38 | 0.38 | 0.46 | 0.44 | 0.75 | 0  | 0  | 0  | 0  | 0  | 0  | 0.31  |
| Min         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6   | 7    | 5    | 5    | 5    | 5    | 3    | 5    | 4    | 3    | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 66    |
| Max         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70  | 52   | 56   | 63   | 53   | 59   | 51   | 54   | 69   | 43   | 61   | 0  | 0  | 0  | 0  | 0  | 0  | 472   |

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 159915 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: BC  
Latitude: 29.18° N  
Longitude: 81.02° W  
Elevation: 20 Meters AMSL  
Time Zone: -5

Instrument: Estimated DNI  
Calibration Constant: 0.00  
Serial Number: XXXXXXXX  
Calibration Date: 1/1/1997

**Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Bethune-Cookman College - December 1999**

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 | 41   | 165   | 323 ? | 328   | 378   | 341 ? | 400 ? | ?     | 263 ? | 112  | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 2354 ? |
| 2        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61   | 180 ? | ?     | ?     | ?     | ?     | ?     | 402 ? | 257 ? | 104  | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 1007 ? |
| 3        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 ? | 161 ? | 317 ? | 356 ? | 471 ? | 379 ? | 350   | 268   | 221   | 69   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 2637 ? |
| 4        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26   | 128   | 223   | 331   | 382   | 275   | 401   | 308 ? | 116   | 51   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 2244   |
| 5        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36   | 150 ? | 161   | 257   | 369   | 337 ? | 257   | 204   | 185 ? | 96   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 2054   |
| 6        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70   | 181 ? | ?     | 416 ? | 362   | 324   | 321   | 268 ? | 90    | 21   | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 2055   |
| 7        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58   | 165 ? | ?     | ?     | ?     | ?     | ?     | 386 ? | 256 ? | 102  | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 969 ?  |
| 8        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47   | 178 ? | ?     | ?     | ?     | ?     | ?     | 376 ? | 272 ? | 58   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 933 ?  |
| 9        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40   | 184   | 282 ? | 198 ? | 515 ? | ?     | 502 ? | 395 ? | 248   | 93   | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 2460 ? |
| 10       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 ? | 144   | 327 ? | ?     | ?     | 496 ? | ?     | 408 ? | 258   | 102  | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 1795 ? |
| 11       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15   | 97 ?  | ?     | ?     | ?     | ?     | 520 ? | 405 ? | 252 ? | 96   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 1385 ? |
| 12       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18   | 104   | 284 ? | ?     | 300 ? | 364 ? | 372   | 298   | 104   | 21   | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 1868   |
| 13       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34   | 117 ? | 281 ? | 270   | 324   | 156   | 152   | 183   | 146   | 69   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 1734   |
| 14       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14   | 46    | 139   | 282   | ?     | 473 ? | 275 ? | 310 ? | 238   | 96   | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 1875 ? |
| 15       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13   | 102   | 270   | 354 ? | 470 ? | ?     | ?     | 382 ? | 230 ? | 78   | 3    | 0  | 0  | 0  | 0  | 0  | 0  | 1902 ? |
| 16       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12   | 91    | 251   | 305 ? | 317   | 228   | 335   | 160   | 112   | 50   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 1862   |
| 17       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31   | 117   | 166   | 265   | 318   | 201   | 179   | 87    | 41    | 11   | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 1416   |
| 18       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7    | 26    | 40    | 69    | 97    | 76    | 29 ?  | 40    | 20    | 9    | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 413    |
| 19       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11   | 130   | 283 ? | 446 ? | ?     | 440 ? | 443 ? | 427 ? | 275   | 108  | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 2569 ? |
| 20       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29   | 121   | 242 ? | 398 ? | 520 ? | 515 ? | 485 ? | 336   | 188   | 69   | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 2905 ? |
| 21       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13   | 75    | 132   | 203   | 185   | 204   | 278   | 331 ? | 201 ? | 118  | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 1745   |
| 22       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19   | 105   | 159   | 146   | 295 ? | 364 ? | 309   | 127   | 70    | 27   | 1    | 0  | 0  | 0  | 0  | 0  | 0  | 1621   |
| 23       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5    | 25    | 33    | 42    | 42    | 51    | 78    | 71    | 56    | 26   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 432    |
| 24       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34   | 140 ? | ?     | ?     | ?     | ?     | ?     | 240 ? | 124   | 6    | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 543 ?  |
| 25       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32   | 144 ? | ?     | ?     | ?     | 506 ? | 403 ? | 337 ? | 230 ? | 78   | 9    | 0  | 0  | 0  | 0  | 0  | 0  | 1738 ? |
| 26       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32   | 149 ? | ?     | ?     | ?     | ?     | ?     | ?     | 236 ? | 129  | 8    | 0  | 0  | 0  | 0  | 0  | 0  | 554 ?  |
| 27       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 ? | ?     | ?     | ?     | ?     | ?     | ?     | ?     | 242 ? | 126  | 7    | 0  | 0  | 0  | 0  | 0  | 0  | 403 ?  |
| 28       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14   | 66    | 125   | 292 ? | 510 ? | ?     | ?     | ?     | 245 ? | 131  | 9    | 0  | 0  | 0  | 0  | 0  | 0  | 1392 ? |
| 29       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31   | 141 ? | ?     | ?     | ?     | ?     | ?     | ?     | 287 ? | 126  | 7    | 0  | 0  | 0  | 0  | 0  | 0  | 592 ?  |
| 30       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38   | 148 ? | ?     | ?     | ?     | ?     | ?     | ?     | 300 ? | 122  | 7    | 0  | 0  | 0  | 0  | 0  | 0  | 616 ?  |
| 31       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26   | 152 ? | 248 ? | 411 ? | ?     | ?     | 291 ? | 302   | 231 ? | 95   | 7    | 0  | 0  | 0  | 0  | 0  | 0  | 1763 ? |
| Avg      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30   | 124   | 214   | 282   | 344   | 318   | 319   | 284   | 197   | 81   | 4    | 0  | 0  | 0  | 0  | 0  | 0  | 1543   |
| S D      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16   | 43    | 87    | 109   | 134   | 139   | 130   | 115   | 79    | 38   | 2    | 0  | 0  | 0  | 0  | 0  | 0  | 716    |
| S/A      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.54 | 0.35  | 0.41  | 0.39  | 0.39  | 0.44  | 0.41  | 0.4   | 0.4   | 0.46 | 0.61 | 0  | 0  | 0  | 0  | 0  | 0  | 0.46   |
| Min      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5    | 25    | 33    | 42    | 42    | 51    | 29    | 40    | 20    | 9    | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 403    |
| Max      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70   | 184   | 327   | 446   | 520   | 515   | 520   | 427   | 300   | 131  | 9    | 0  | 0  | 0  | 0  | 0  | 0  | 2905   |

Daylight Data Recovery: 0% missing; 38% exceed the 15% QC threshold -- 3839 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: BC               |
| Latitude: 29.18° N        |
| Longitude: 81.02° W       |
| Elevation: 20 Meters AMSL |
| Time Zone: -5             |

|                                    |
|------------------------------------|
| Instrument: PSP                    |
| Calibration Constant: 7.60 uV/Wm-2 |
| Serial Number: 25951F3             |
| Calibration Date: 5/18/1998        |