Global Solar Radiation on a Horizontal Surface

Hourly Integrated and Daily Totals

Watt-Hours per Square Meter

Savannah State College - March 1998

Field: GHI

## Data and Flag

<table>
<thead>
<tr>
<th>Data and Flag</th>
<th>Hour Column</th>
<th>Day Column</th>
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<tbody>
<tr>
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</tbody>
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## Station Information

- **Station:** SS
- **Latitude:** 32.03° N
- **Longitude:** 81.07° W
- **Elevation:** 11 Meters AMSL
- **Time Zone:** -5

## Instrument Information

- **Instrument:** PSP
- **Calibration Constant:** 9.16 uV/Wm-2
- **Serial Number:** 18078F3
- **Calibration Date:** 9/13/96

## Daylight Data Recovery

- **0% missing:** 0% exceed the 15% QC threshold -- 28268 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily averages.
### Direct Normal Solar Radiation

#### Hourly Integrated and Daily Totals

**Watt-Hours per Square Meter**

**Savannah State College - March 1998**

Field: DNI

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#### Station Information

- **Station:** SS
- **Latitude:** 32.03° N
- **Longitude:** 81.07° W
- **Elevation:** 11 Meters AMSL
- **Time Zone:** -5

#### Instrument Information

- **Instrument:** Estimated DNI
- **Calibration Constant:** 0.00
- **Serial Number:** XXXXXXX
- **Calibration Date:** 1/1/1997

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**Daylight Data Recovery:** 0% missing; 0% exceed the 15% QC threshold -- 65352 total daylight 5-minute measurements.

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

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| Avg | 0 | 0 | 0 | 0 | 0 | 24 | 167 | 283 | 320 | 334 | 344 | 354 | 362 | 334 | 308 | 251 | 160 | 26 | 0 | 0 | 0 | 0 | 3267 |
|-----|---|---|---|---|---|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| S D | 0 | 0 | 0 | 0 | 0 | 23 | 210 | 323 | 378 | 409 | 421 | 425 | 426 | 410 | 380 | 323 | 202 | 44 | 0 | 0 | 0 | 0 | 3813 |
| S/A | 0 | 0 | 0 | 0 | 0 | 0.95 | 1.26 | 1.14 | 1.18 | 1.22 | 1.22 | 1.2 | 1.18 | 1.23 | 1.23 | 1.29 | 1.27 | 1.68 | 0 | 0 | 0 | 0 | 0 | 1.17 |
| Min | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 8 | 8 | 14 | 11 | 7 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 155 |
| Max | 0 | 0 | 0 | 0 | 0 | 99 | 911 | 804 | 922 | 990 | 1017 | 1022 | 1013 | 985 | 917 | 798 | 535 | 208 | 0 | 0 | 0 | 0 | 9775 |

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**Note:** Fractional values that do not appear in the hour columns are included in the calculation for daily values.
### Diffuse Solar Radiation on a Horizontal Surface

**Hourly Integrated and Daily Totals**

**Watt-Hours per Square Meter**

**Savannah State College - March 1998**

**Field: DHI**

<table>
<thead>
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**Data and Flag**

- **<value>***: 20% < Missing < 100%
- **<value>?**: 20% < Fail QC < 100%
- **<blank>***: 100% Missing
- **<blank>?**: 100% Fail QC

**Station:**

- **SS**: 32.03° N
- **Longitude**: 81.07° W
- **Elevation**: 11 Meters AMSL
- **Time Zone**: -5

**Instrument:**

- **PSP**
- **Calibration Constant**: 8.29 uV/Wm-2
- **Serial Number**: 18040F3
- **Calibration Date**: 9/13/96

**Daylight Data Recovery:** 0% missing; 12% exceed the 15% QC threshold -- 28268 total daylight 5-minute measurements.

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