

**Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Savannah State College - March 1997**

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	1	69	257	481	685	592	759	766	692	535	260	82	2	0	0	0	0	0	5182
2	0	0	0	0	0	0	1	44	109	437	639	755	649	717	659	512	320	113	3	0	0	0	0	0	4957
3	0	0	0	0	0	0	1	68	234	384	639	675	543	511	411	389	265	83	6	0	0	0	0	0	4211
4	0	0	0	0	0	0	1	101	300	505	675	784	825	790	645	488	322	122	3	0	0	0	0	0	5561
5	0	0	0	0	0	0	1	77	254	472	650	752	816	711	519	431	225	97	3	0	0	0	0	0	5010
6	0	0	0	0	0	0	2	21	228	515	714	833	889	844	733	584	359	118	7	0	0	0	0	0	5848
7	0	0	0	0	0	0	1	111	334	552	730	829	880	843	738	576	360	133	4	0	0	0	0	0	6093
8	0	0	0	0	0	0	3	108	319	521	697	820	819	870	742	548	339	128	5	0	0	0	0	0	5919
9	0	0	0	0	0	0	3	100	293	488	672	785	836	793	629	504	220	74	4	0	0	0	0	0	5402
10	0	0	0	0	0	0	5	141	264	546	617	734	747	529	660	458	208	100	7	0	0	0	0	0	5015
11	0	0	0	0	0	0	4	87	161	452	685	689	758	424	565	451	346	129	7	0	0	0	0	0	4757
12	0	0	0	0	0	0	4	121	342	554	737	838	872	853	729	431	234	100	7	0	0	0	0	0	5822
13	0	0	0	0	0	0	3	70	174	294	588	588	461	144	93	28	55	62	6	0	0	0	0	0	2567
14	0	0	0	0	0	0	1	7	46	75	87	149	216	478	356	335	217	132	18	0	0	0	0	0	2117
15	0	0	0	0	0	0	6	134	362	581	760	871	913	870	755	569	369	147	5	0	0	0	0	0	6342
16	0	0	0	0	0	0	8	143	366	582	748	831	804	804	753	568	347	139	14	0	0	0	0	0	6105
17	0	0	0	0	0	0	11	147	368	586	741	632	550	772	522	503	284	131	14	0	0	0	0	0	5261
18	0	0	0	0	0	0	14	137	234	514	596	774	499	165	648	463	111	140	12	0	0	0	0	0	4308
19	0	0	0	0	0	0	10	101	326	423	490	773	653	517	548	469	255	49 ?	0	0	0	0	0	0	4615
20	0	0	0	0	0	0	1	16	42	56	138	191	269	182	202	179	120	44	6	0	0	0	0	0	1446
21	0	0	0	0	0	0	9	45	90	183	342	298	225	145	204	127	56	67	9	0	0	0	0	0	1802
22	0	0	0	0	0	0	11	120	266	560	767	875	912	872	756	584	369	148	11	0	0	0	0	0	6250
23	0	0	0	0	0	0	13	172	377	592	774	883	887	853	768	535	397	184	16	0	0	0	0	0	6451
24	0	0	0	0	0	0	19	188	395	616	791	861	908	905	795	620	399	176	18	0	0	0	0	0	6693
25	0	0	0	0	0	0	18	114	211	268	294	212	201	172	144	82	119	66	5	0	0	0	0	0	1906
26	0	0	0	0	0	0	16	72	128	201	435	493	398	412	504	200	109	69	15	0	0	0	0	0	3052
27	0	0	0	0	0	0	23	194	429	648	825	928	958	917	794	560	415	153	26	0	0	0	0	0	6868
28	0	0	0	0	0	0	24	178	370	532	756	695	700	614	660	479	242	30	4	0	0	0	0	0	5282
29	0	0	0	0	0	0	13	155	210	358	481	600	683	392	331	542	359	139	15	0	0	0	0	0	4278
30	0	0	0	0	0	0	19	181	413	575	781	860	923	882	719	448	288	171	14	0	0	0	0	0	6276
31	0	0	0	0	0	0	38	202	458	674	862	960	998	944	818	607	405	197	25	0	0	0	0	0	7189
Avg	0	0	0	0	0	0	9	111	270	459	626	696	695	635	584	445	270	114	9	0	0	0	0	0	4922
S D	0	0	0	0	0	0	9	53	110	158	188	214	233	262	205	157	105	42	7	0	0	0	0	0	1562
S/A	0	0	0	0	0	0	0.96	0.48	0.41	0.34	0.3	0.31	0.34	0.41	0.35	0.35	0.39	0.37	0.69	0	0	0	0	0	0.32
Min	0	0	0	0	0	0	1	7	42	56	87	149	201	144	93	28	55	30	0	0	0	0	0	0	1446
Max	0	0	0	0	0	0	38	202	458	674	862	960	998	944	818	620	415	197	26	0	0	0	0	0	7189

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 11997 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: SS
Latitude: 32.03° N
Longitude: 81.07° W
Elevation: 11 Meters AMSL
Time Zone: -5

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

**Direct Normal Solar Radiation
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Savannah State College - March 1997**

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	6	164	524	713	813	464	752	818	845	848	414	82	9	0	0	0	0	0	6452
2	0	0	0	0	0	0	3	31	36	627	796	832	534	616	737	754	622	339	9	0	0	0	0	0	5935
3	0	0	0	0	0	0	46	115	269	255	757	580	295	291	276	309	328	82	15	0	0	0	0	0	3618
4	0	0	0	0	0	0	11	404	712	855	923	946	954	919	757	658	663	447	242	0	0	0	0	0	8491
5	0	0	0	0	0	0	7	184	455	698	798	809	758	664	425	448	271	193	6	0	0	0	0	0	5717
6	0	0	0	0	0	0	10	22	307	792	906	964	990	931	906	906	724	244	17	0	0	0	0	0	7720
7	0	0	0	0	0	0	26	499	799	929	983	982	1001	978	944	901	769	450	15	0	0	0	0	0	9277
8	0	0	0	0	0	0	23	332	656	823	908	936	746	915	767	793	664	395	26	0	0	0	0	0	7983
9	0	0	0	0	0	0	12	298	533	687	804	842	886	821	510	578	74	35	12	0	0	0	0	0	6091
10	0	0	0	0	0	0	20	462	490	801	621	711	637	412	667	466	233	189	41	0	0	0	0	0	5750
11	0	0	0	0	0	0	44	68	41	519	736	627	597	159	510	520	555	321	16	0	0	0	0	0	4715
12	0	0	0	0	0	0	19	458	748	868	909	934	933	932	775	366	235	143	10	0	0	0	0	0	7330
13	0	0	0	0	0	0	12	55	48	55	392	145	45	20	15	6	16	38	17	0	0	0	0	0	865
14	0	0	0	0	0	0	5	4	14	17	15	22	25	76	55	78	71	121	43	0	0	0	0	0	546
15	0	0	0	0	0	0	86	437	751	891	965	997	1002	975	925	802	695	445	30	0	0	0	0	0	9000
16	0	0	0	0	0	0	49	495	742	856	881	822	688	771	852	737	597	321	53	0	0	0	0	0	7863
17	0	0	0	0	0	0	87	521	740	843	852	325	152	477	219	514	232	222	35	0	0	0	0	0	5219
18	0	0	0	0	0	0	34	207	232	551	525	608	190	19	448	388	29	147	15	0	0	0	0	0	3394
19	0	0	0	0	0	0	30	87	312	165	93	488	238	111	256	305	124	15	0	0	0	0	0	0	2222
20	0	0	0	0	0	0	3	8	13	12	24	28	38	25	36	38	35	26	15	0	0	0	0	0	301
21	0	0	0	0	0	0	19	29	28	41	49	33	26	23	33	27	16	39	12	0	0	0	0	0	375
22	0	0	0	0	0	0	19	161	451	802	917	943	942	923	873	795	644	342	33	0	0	0	0	0	7844
23	0	0	0	0	0	0	54	505	656	788	880	918	836	772	737	634	705	487	72	0	0	0	0	0	8043
24	0	0	0	0	0	0	98	567	740	877	937	827	885	965	914	843	657	271	24	0	0	0	0	0	8605
25	0	0	0	0	0	0	29	113	35	52	55	32	23	24	25	18	33	19	6	0	0	0	0	0	465
26	0	0	0	0	0	0	34	49	26	35	77	126	64	72	102	44	35	52	20	0	0	0	0	0	735
27	0	0	0	0	0	0	115	582	830	949	1008	1021	1012	994	919	685	559	263	86	0	0	0	0	0	9022
28	0	0	0	0	0	0	86	408	405	497	770	519	413	303	503	350	76	14	4	0	0	0	0	0	4348
29	0	0	0	0	0	0	18	228	51	66	122	191	268	45	101	538	445	163	27	0	0	0	0	0	2264
30	0	0	0	0	0	0	21	208	684	653	853	843	908	881	744	362	277	292	41	0	0	0	0	0	6769
31	0	0	0	0	0	0	151	515	837	929	1018	1021	1031	985	887	734	632	451	104	0	0	0	0	0	9296
Avg	0	0	0	0	0	0	38	265	425	569	658	630	576	546	541	498	369	214	34	0	0	0	0	0	5363
S/D	0	0	0	0	0	0	36	195	297	336	347	344	368	385	331	286	266	153	45	0	0	0	0	0	3033
S/A	0	0	0	0	0	0	0.96	0.74	0.7	0.59	0.53	0.55	0.64	0.71	0.61	0.57	0.72	0.71	1.32	0	0	0	0	0	0.57
Min	0	0	0	0	0	0	3	4	13	12	15	22	23	19	15	6	16	14	0	0	0	0	0	0	301
Max	0	0	0	0	0	0	151	582	837	949	1018	1021	1031	994	944	906	769	487	242	0	0	0	0	0	9296

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 11997 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: SS
 Latitude: 32.03° N
 Longitude: 81.07° W
 Elevation: 11 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
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Savannah State College - March 1997

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	1	44	82	123	165	255	184	159	131	77	96	64	2	0	0	0	0	0	1385
2	0	0	0	0	0	0	0	40	98	113	126	145	239	258	168	102	86	47	3	0	0	0	0	0	1425
3	0	0	0	0	0	0	1	50	153	246	148	250	315	292	230	226	137	67	5	0	0	0	0	0	2120
4	0	0	0	0	0	0	1	37	56	64	72	82	84	95	130	127	69	35	2	0	0	0	0	0	856
5	0	0	0	0	0	0	1	47	93	108	126	148	224	206	230	181	122	55	3	0	0	0	0	0	1544
6	0	0	0	0	0	0	2	19	108	100	115	108	111	133	113	80	72	68	6	0	0	0	0	0	1035
7	0	0	0	0	0	0	1	29	51	61	75	87	90	94	88	72	58	40	3	0	0	0	0	0	749
8	0	0	0	0	0	0	2	59	81	81	88	109	227	165	212	100	77	45	4	0	0	0	0	0	1250
9	0	0	0	0	0	0	3	49	98	119	129	141	130	155	272	167	194	67	4	0	0	0	0	0	1528
10	0	0	0	0	0	0	4	52	86	114	196	188	236	208	195	194	123	60	6	0	0	0	0	0	1662
11	0	0	0	0	0	0	3	76	146	162	181	206	276	300	212	155	120	58	6	0	0	0	0	0	1902
12	0	0	0	0	0	0	3	36	59	74	112	111	116	120	180	216	136	69	7	0	0	0	0	0	1241
13	0	0	0	0	0	0	3	61	156	263	315	474	424	128	83	25	49	53	5	0	0	0	0	0	2040
14	0	0	0	0	0	0	1	6	40	65	77	131	195	418	316	291	188	106	15	0	0	0	0	0	1851
15	0	0	0	0	0	0	5	46	68	76	82	84	89	93	92	97	80	47	4	0	0	0	0	0	863
16	0	0	0	0	0	0	5	43	72	94	126	178	236	185	139	135	92	64	10	0	0	0	0	0	1378
17	0	0	0	0	0	0	6	46	71	100	138	370	424	387	363	193	189	76	12	0	0	0	0	0	2375
18	0	0	0	0	0	0	13	95	128	201	216	285	341	150	326	223	99	109	11	0	0	0	0	0	2196
19	0	0	0	0	0	0	9	81	202	328	422	380	454	427	362	291	201	39	0	0	0	0	0	0	3196
20	0	0	0	0	0	0	1	14	36	49	121	168	237	162	176	156	104	39	5	0	0	0	0	0	1269
21	0	0	0	0	0	0	8	39	78	159	306	272	204	126	180	111	50	59	8	0	0	0	0	0	1598
22	0	0	0	0	0	0	10	78	75	78	96	104	112	114	111	101	87	63	8	0	0	0	0	0	1038
23	0	0	0	0	0	0	8	55	98	117	126	128	175	216	219	156	88	65	11	0	0	0	0	0	1464
24	0	0	0	0	0	0	12	54	75	84	97	180	150	107	114	104	108	108	18	0	0	0	0	0	1211
25	0	0	0	0	0	0	16	92	195	237	253	185	181	152	125	70	105	61	5	0	0	0	0	0	1678
26	0	0	0	0	0	0	13	61	117	180	377	387	343	352	427	171	94	58	14	0	0	0	0	0	2594
27	0	0	0	0	0	0	12	48	58	61	67	73	81	85	100	132	163	90	18	0	0	0	0	0	987
28	0	0	0	0	0	0	18	75	198	214	173	259	342	358	277	252	206	26	3	0	0	0	0	0	2400
29	0	0	0	0	0	0	12	107	187	317	387	441	449	355	258	197	162	93	13	0	0	0	0	0	2978
30	0	0	0	0	0	0	19	118	99	166	131	144	127	136	149	212	155	96	11	0	0	0	0	0	1562
31	0	0	0	0	0	0	23	54	70	83	80	91	91	108	139	146	117	79	15	0	0	0	0	0	1095
Avg	0	0	0	0	0	0	7	55	101	137	165	199	222	201	197	154	117	65	8	0	0	0	0	0	1628
S/D	0	0	0	0	0	0	6	25	47	76	98	110	113	104	90	65	45	21	5	0	0	0	0	0	606
S/A	0	0	0	0	0	0	0.88	0.46	0.46	0.55	0.59	0.55	0.51	0.52	0.45	0.42	0.38	0.33	0.62	0	0	0	0	0	0.37
Min	0	0	0	0	0	0	0	6	36	49	67	73	81	85	83	25	49	26	0	0	0	0	0	0	749
Max	0	0	0	0	0	0	23	118	202	328	422	474	454	427	427	291	206	109	18	0	0	0	0	0	3196

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 11997 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: SS
Latitude: 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