

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Univ. - July 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	1	68	200	416	607	773	598	739	838	893	763	582	464	189	97	2	0	0	0	0	7230
2	0	0	0	0	0	55	214	410	602	774	908	1007	494	607	747	635	452	258	83	3	0	0	0	0	7248
3	0	0	0	0	1	45	176	372	568	744	724	321	807	869	721	591	409	207	51	2	0	0	0	0	6607
4	0	0	0	0	0	37	82	257	446	654	685	583	798	460	471	622	435	228	76	3	0	0	0	0	5838
5	0	0	0	0	1	66	177	351	476	627	663	765	748	425	401	189	201	60	3	1	0	0	0	0	5153
6	0	0	0	0	1	23	100	372	557	775	534	772	828	876	760	650	463	262	81	2	0	0	0	0	7057
7	0	0	0	0	0	20	87	250	371	664	785	724	930	830	500	512	423	234	77	3	0	0	0	0	6410
8	0	0	0	0	0	51	206	409	607	772	698	639	956	604	699	217	323	258	77	3	0	0	0	0	6520
9	0	0	0	0	0	37	165	160	452	581	797	474	306	203	361	538	395	234	69	3	0	0	0	0	4775
10	0	0	0	0	0	39	175	360	527	653	833	915	910	727	575	495	344	184	58	2	0	0	0	0	6796
11	0	0	0	0	0	33	100	217	410	714	749	527	516	470	260	243	98	80	41	3	0	0	0	0	4463
12	0	0	0	0	0	12	26	91	191	593	882	906	963	906	772	575	431	232	82	4	0	0	0	0	6668
13	0	0	0	0	0	65	196	393	600	742	481	804	864	842	828	602	365	192	62	3	0	0	0	0	7039
14	0	0	0	0	0	28	162	256	469	754	873	660	521	562	653	402	447	243	71	2	0	0	0	0	6106
15	0	0	0	0	0	19	80	56	8	72	177	808	834	848	705	379	384	269	121	4	0	0	0	0	4765
16	0	0	0	0	0	35	184	395	575	737	879	808	756	571	586	514	259	39	13	7	0	0	0	0	6358
17	0	0	0	0	0	39	167	368	573	739	857	881	956	860	540	278	334	248	70	1	0	0	0	0	6911
18	0	0	0	0	0	38	175	365	557	678	845	844	692	804	621	590	417	229	66	1	0	0	0	0	6922
19	0	0	0	0	0	23	123	261	405	530	711	829	837	756	581	441	389	84	7	1	0	0	0	0	5979
20	0	0	0	0	0	23	63	113	115	180	233	242	344	511	607	278	188	68	35	1	0	0	0	0	3001
21	0	0	0	0	0	24	161	350	246	301	401	236	237	211	176	213	401	234	50	2	0	0	0	0	3244
22	0	0	0	0	0	31	160	366	514	670	856	915	893	680	218	49	75	124	34	1	0	0	0	0	5588
23	0	0	0	0	0	20	66	159	201	489	640	611	636	837	676	542	335	137	55	1	0	0	0	0	5404
24	0	0	0	0	0	6	36	73	224	115	76	52	215	251	316	282	116	65	21	0	0	0	0	0	1847
25	0	0	0	0	0	13	34	64	126	119	141	330	232	239	225	236	208	80	10	0	0	0	0	0	2057
26	0	0	0	0	0	21	64	184	206	359	226	397	352	426	360	201	130	45	23	0	0	0	0	0	2994
27	0	0	0	0	0	7	53	142	271	226	379	778	700	525	543	321	257	45	19	3	0	0	0	0	4269
28	0	0	0	0	0	24	152	342	531	739	495	637	863	888	642	616	431	195	61	1	0	0	0	0	6617
29	0	0	0	0	0	18	112	357	403	408	806	779	739	309	310	341	119	4	7	0	0	0	0	0	4710
30	0	0	0	0	0	20	128	300	431	559	807	890	919	753	709	75	100	56	13	0	0	0	0	0	5762
31	0	0	0	0	0	25	186	322	449	484	753	257	409	456	434	559	450	216	51	0	0	0	0	0	5048
Avg	0	0	0	0	0	31	129	275	410	556	629	649	680	619	541	412	318	161	51	2	0	0	0	0	5464
S/D	0	0	0	0	0	16	57	115	167	220	245	244	240	226	186	177	128	84	30	1	0	0	0	0	1515
S/A	0	0	0	0	1.58	0.52	0.44	0.42	0.41	0.4	0.39	0.38	0.35	0.37	0.34	0.43	0.4	0.52	0.58	0.74	0	0	0	0	0.28
Min	0	0	0	0	0	6	26	56	8	72	76	52	215	203	176	49	75	4	3	0	0	0	0	0	1847
Max	0	0	0	0	1	68	214	416	607	775	908	1007	963	906	828	650	464	269	121	7	0	0	0	0	7248

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 5346 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: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

Instrument: PSP  
Calibration Constant: 9.83 uV/Wm-2  
Serial Number: 25823F3  
Calibration Date: 5/20/1998

**Direct Normal Solar Radiation  
Hourly Integrated and Daily Totals  
Watt-Hours per Square Meter  
Elizabeth City State Univ. - July 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	1	227	461	677	740	761	338	388	556	654	610	427	570	179	283	9	0	0	0	0	6882		
2	0	0	0	0	0	221	512	639	714	780	803	792	238	364	531	616	552	446	222	7	0	0	0	0	7437		
3	0	0	0	0	0	48	209	415	507	494	274	30	339	484	428	435	385	143	9	1	0	0	0	0	4200		
4	0	0	0	0	0	7	10	72	176	287	221	88	274	33	50	450	408	286	150	4	0	0	0	0	2514		
5	0	0	0	0	0	50	77	181	202	275	263	356	248	76	89	19	20	1	0	1	0	0	0	0	1857		
6	0	0	0	0	0	1	29	449	495	550	53	257	448	532	579	604	624	515	274	9	0	0	0	0	5419		
7	0	0	0	0	0	1	3	31	58	406	345	199	619	534	291	331	470	361	218	11	0	0	0	0	3877		
8	0	0	0	0	0	233	542	684	758	740	413	196	718	302	434	1	224	386	125	3	0	0	0	0	5758		
9	0	0	0	0	0	30	163	14	233	259	327	49	5	3	43	290	270	212	56	1	0	0	0	0	1955		
10	0	0	0	0	0	31	218	388	428	408	531	611	542	300	203	201	138	74	6	1	0	0	0	0	4079		
11	0	0	0	0	0	4	13	16	115	446	372	48	76	70	11	28	2	4	2	0	0	0	0	0	1207		
12	0	0	0	0	0	1	1	2	2	338	673	580	754	746	663	403	385	356	176	6	0	0	0	0	5084		
13	0	0	0	0	0	173	398	582	720	661	117	480	474	452	713	543	261	190	118	4	0	0	0	0	5887		
14	0	0	0	0	0	8	54	61	218	483	548	161	87	118	273	146	443	353	140	2	0	0	0	0	3094		
15	0	0	0	0	0	1	13	0	1	2	5	333	356	495	394	87	411	407	145	2	0	0	0	0	2655		
16	0	0	0	0	0	14	322	?	620	?	674	698	649	402	340	280	375	291	75	2	5	2	0	0	4751		
17	0	0	0	0	0	97	306	580	691	733	750	702	757	680	313	91	248	440	115	0	0	0	0	0	6504		
18	0	0	0	0	0	79	323	493	584	549	652	563	358	479	355	489	461	358	143	1	0	0	0	0	5888		
19	0	0	0	0	0	8	12	24	57	55	281	346	309	274	180	240	269	39	1	1	0	0	0	0	2098		
20	0	0	0	0	0	18	2	2	1	3	3	4	12	160	325	61	29	1	5	0	0	0	0	0	626		
21	0	0	0	0	0	2	129	346	14	3	7	2	5	2	1	3	193	231	49	1	0	0	0	0	990		
22	0	0	0	0	0	28	294	485	510	530	654	667	597	259	43	0	?	3	16	2	0	0	0	0	4090		
23	0	0	0	0	0	1	2	5	4	106	188	176	112	432	347	159	104	8	2	0	0	0	0	0	1645		
24	0	0	0	0	0	0	1	1	4	0	0	0	4	1	16	12	0	0	0	0	0	0	0	0	40		
25	0	0	0	0	0	0	1	1	3	0	0	0	0	1	1	0	?	1	?	0	0	0	0	0	9		
26	0	0	0	0	0	0	0	5	4	4	?	0	?	20	?	16	?	11	?	0	?	?	?	?	61	?	
27	0	0	0	0	0	0	0	?	2	4	0	?	8	137	238	191	325	43	46	0	4	1	0	0	999		
28	0	0	0	0	0	6	214	517	616	652	255	311	508	636	403	569	516	194	90	1	0	0	?	?	5488		
29	?	0	?	0	?	18	?	121	405	144	64	500	371	282	52	40	97	12	0	?	3	0	0	0	2110	?	
30	0	0	0	0	0	56	265	356	354	473	561	669	596	344	540	2	?	3	0	0	0	0	0	0	4219	?	
31	0	0	?	0	?	?	129	?	425	356	327	245	432	6	?	39	?	29	35	442	586	400	154	0	?	3606	?
Avg	0	0	0	0	0	48	165	271	302	355	330	289	320	290	278	228	257	187	83	2	0	0	0	0	3388		
S D	0	0	0	0	0	71	173	252	276	269	250	243	242	231	218	210	209	174	89	3	0	0	0	0	2140		
S/A	0	0	0	0	2.18	1.48	1.05	0.93	0.92	0.76	0.76	0.84	0.76	0.8	0.78	0.92	0.81	0.93	1.07	1.3	0	0	0	0	0.63		
Min	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	9		
Max	0	0	0	0	1	233	542	684	758	780	803	792	757	746	713	616	624	515	283	11	0	0	0	0	7437		

Daylight Data Recovery: 0% missing; 3% exceed the 15% QC threshold -- 5346 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: EC  
 Latitude: 36.30° N  
 Longitude: 76.25° W  
 Elevation: 4 Meters AMSL  
 Time Zone: -5

Instrument: NIP  
 Calibration Constant: 7.53 uV/Wm-2  
 Serial Number: 25519E6  
 Calibration Date: 5/20/1998

**Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Univ. - July 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	1	44	79	84	99	122	271	326	249	231	199	245	144	115	51	2	0	0	0	0	2262
2	0	0	0	0	0	33	69	97	113	113	125	185	230	230	257	177	146	100	48	3	0	0	0	0	1926
3	0	0	0	0	0	40	115	176	232	338	461	261	456	392	346	274	198	147	46	2	0	0	0	0	3483
4	0	0	0	0	0	33	74	213	333	409	466	463	488	398	387	285	207	126	53	3	0	0	0	0	3939
5	0	0	0	0	1	60	157	255	333	395	404	386	473	334	295	161	173	52	3	1	0	0	0	0	3481
6	0	0	0	0	0	20	83	152	216	304	465	477	350	333	240	196	114	75	38	2	0	0	0	0	3064
7	0	0	0	0	0	17	74	224	313	306	441	499	275	292	235	263	160	104	43	3	0	0	0	0	3249
8	0	0	0	0	0	29	59	77	92	149	295	424	201	287	313	190	199	117	58	3	0	0	0	0	2494
9	0	0	0	0	0	33	125	144	281	370	478	394	263	175	296	315	236	159	58	3	0	0	0	0	3330
10	0	0	0	0	0	35	113	174	240	307	320	286	342	413	388	338	265	158	51	2	0	0	0	0	3433
11	0	0	0	0	0	29	89	191	314	332	382	469	415	371	229	209	85	72	36	3	0	0	0	0	3226
12	0	0	0	0	0	10	23	79	166	263	230	289	178	166	182	254	211	103	56	3	0	0	0	0	2215
13	0	0	0	0	0	46	90	114	116	188	349	278	337	364	188	177	203	126	39	3	0	0	0	0	2618
14	0	0	0	0	0	25	136	214	302	346	342	460	405	429	405	286	201	117	50	2	0	0	0	0	3719
15	0	0	0	0	0	16	71	49	7	63	153	430	449	349	344	293	164	123	101	3	0	0	0	0	2615
16	0	0	0	0	0	31	83	101	129	167	271	394	397	291	244	298	211	36	12	6	0	0	0	0	2670
17	0	0	0	0	0	26	89	101	116	136	152	168	177	193	265	198	193	95	52	1	0	0	0	0	1962
18	0	0	0	0	0	29	92	137	176	236	234	270	315	331	306	232	167	106	47	1	0	0	0	0	2679
19	0	0	0	0	0	20	113	235	352	483	412	458	500	468	407	262	249	64	6	1	0	0	0	0	4029
20	0	0	0	0	0	19	54	97	99	155	201	208	307	331	319	223	163	59	31	1	0	0	0	0	2267
21	0	0	0	0	0	21	117	195	216	258	355	208	204	187	155	190	287	157	43	2	0	0	0	0	2594
22	0	0	0	0	0	29	93	138	189	223	243	243	285	415	166	44	65	110	30	1	0	0	0	0	2274
23	0	0	0	0	0	19	57	138	178	371	459	414	500	408	356	399	271	124	48	1	0	0	0	0	3745
24	0	0	0	0	0	5	31	63	196	100	66	45	187	219	286	250	101	56	19	0	0	0	0	0	1623
25	0	0	0	0	0	11	29	55	109	103	122	284	201	206	194	204	188	69	9	0	0	0	0	0	1781
26	0	0	0	0	0	19	56	164	179	321	195	354	302	378	332	177	113	40	22	1	0	0	0	0	2653
27	0	0	0	0	0	6	46	123	238	193	328	587	421	310	286	261	213	39	17	3	0	0	0	0	3071
28	0	0	0	0	0	21	87	122	141	203	259	296	333	255	286	203	152	125	49	1	0	0	0	0	2533
29	0	0	0	0	0	17	75	168	291	321	329	397	442	238	253	251	101	4	6	0	0	0	0	0	2894
30	0	0	0	0	0	15	52	141	186	151	273	199	302	401	222	66	86	48	11	0	0	0	0	0	2154
31	0	0	0	0	0	15	76	150	234	266	326	225	346	400	365	226	133	86	29	0	0	0	0	0	2875
Avg	0	0	0	0	0	25	81	141	199	248	303	335	333	316	282	231	174	94	37	2	0	0	0	0	2802
S/D	0	0	0	0	0	12	31	54	85	106	113	119	101	85	71	70	56	39	21	1	0	0	0	0	636
S/A	0	0	0	0	1.5	0.48	0.38	0.38	0.43	0.43	0.37	0.36	0.3	0.27	0.25	0.3	0.32	0.42	0.55	0.72	0	0	0	0	0.23
Min	0	0	0	0	0	5	23	49	7	63	66	45	177	166	155	44	65	4	3	0	0	0	0	0	1623
Max	0	0	0	0	1	60	157	255	352	483	478	587	500	468	407	399	287	159	101	6	0	0	0	0	4029

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 5346 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: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

Instrument: PSP  
Calibration Constant: 9.07 uV/Wm-2  
Serial Number: 25819F3  
Calibration Date: 5/20/1998

**Dry Bulb Temperature (Roof)**  
**Hourly and Daily Averages**  
**Degrees Celsius**  
**Elizabeth City State Univ. - July 2000**

Field: Temp

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	19	18	18	17	17	17	20	23	26	27	27	27	27	27	27	27	26	25	25	23	22	21	20	19	23
2	18	17	17	17	18	18	20	23	25	27	28	28	28	28	27	27	27	27	26	24	24	23	22	22	23
3	22	21	21	20	20	20	21	23	25	26	27	27	28	29	29	29	29	28	27	26	25	25	24	24	25
4	24	23	23	22	22	23	23	24	25	26	27	27	28	29	29	30	30	30	29	28	27	26	26	26	26
5	25	25	25	24	24	24	24	25	26	28	29	30	31	32	32	27	25	25	23	23	23	23	23	23	26
6	23	23	23	23	23	22	23	25	26	27	27	28	28	29	29	28	28	27	26	24	23	23	23	23	25
7	22	21	20	20	20	21	21	22	24	26	27	26	27	28	27	26	26	25	25	23	23	22	21	20	23
8	18	18	17	17	17	17	19	22	23	25	25	25	26	26	27	24	24	24	23	22	21	21	21	20	22
9	20	20	20	20	20	20	22	23	24	25	26	25	25	25	26	27	27	27	26	25	25	25	24	24	24
10	24	24	23	23	23	23	24	25	26	28	29	30	31	32	32	32	32	32	31	30	29	28	27	27	28
11	27	26	26	25	25	25	25	26	28	30	31	32	31	31	30	28	25	24	24	23	23	23	23	22	26
12	22	22	22	22	22	22	22	22	23	24	26	27	28	28	29	28	27	26	25	24	23	22	22	22	24
13	21	20	20	20	19	20	22	23	24	25	25	26	26	27	27	27	27	26	25	24	23	23	23	23	24
14	22	22	22	22	22	22	23	25	25	27	27	27	27	28	28	28	28	28	27	26	25	24	24	24	25
15	23	23	23	23	23	24	24	22	19	20	20	22	24	24	25	25	26	26	25	24	23	23	22	22	23
16	22	21	21	21	21	21	22	24	26	28	29	29	29	29	28	28	27	25	22	21	21	21	21	21	24
17	20	20	20	19	20	20	21	24	25	27	28	29	30	31	30	28	28	28	27	25	25	25	24	23	25
18	22	22	21	21	21	21	23	25	27	28	29	30	30	31	31	31	30	30	29	28	27	27	26	26	27
19	25	25	24	24	24	24	25	26	27	28	29	30	31	31	31	31	31	30	29	26	26	27	26	27	27
20	26	25	24	25	24	21	20	20	20	21	21	22	23	24	25	26	25	24	23	23	22	21	20	20	23
21	20	21	22	21	21	21	22	24	24	24	25	25	24	25	24	24	25	25	24	23	22	22	21	21	23
22	20	20	20	20	20	19	21	24	25	27	28	29	30	30	28	25	22	22	22	22	22	22	22	22	23
23	23	23	22	22	22	22	22	23	24	25	26	26	27	27	28	27	26	25	24	24	24	23	23	23	24
24	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	23	22	21	20	20	19	19	19	20	22
25	20	19	19	19	19	19	20	20	21	21	21	22	23	23	23	23	23	23	22	22	22	22	23	23	21
26	23	23	23	23	23	23	23	24	24	25	25	26	26	26	27	26	25	24	24	24	23	23	23	23	24
27	23	23	22	22	22	22	22	22	23	24	25	26	28	28	28	27	26	25	23	23	23	23	23	23	24
28	23	23	23	23	22	22	22	24	27	29	30	29	30	30	29	28	28	27	27	26	25	25	25	24	26
29	24	24	24	23	22	23	23	25	27	27	28	29	29	25	26	26	27	24	22	22	22	23	23	25	
30	23	23	23	23	23	23	24	26	27	27	29	29	30	29	28	24	25	25	24	24	24	24	24	24	25
31	25	25	24	24	25	25	26	27	28	28	28	27	27	27	27	28	29	29	28	27	26	26	26	25	26

Avg	22	22	22	22	22	22	22	24	25	26	27	27	28	28	28	27	27	26	25	24	24	23	23	23	24
S/D	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
S/A	0.1	0.1	0.1	0.1	0.1	0.09	0.07	0.07	0.08	0.09	0.1	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.1	0.09	0.08	0.09	0.08	0.09	0.06
Min	18	17	17	17	17	17	19	20	19	20	20	22	23	23	23	23	22	21	20	20	19	19	19	19	21
Max	27	26	26	25	25	25	26	27	28	30	31	32	31	32	32	32	32	32	31	30	29	28	27	27	28

Data Recovery: 0% missing; 0% failed QC -- 8928 total 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: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

Instrument: HMP  
Calibration Constant: 1.00 deg C/mV  
Serial Number: P0520031 T  
Calibration Date: 6/1/1995

**Relative Humidity**  
**Hourly and Daily Averages**  
**Percent**  
**Elizabeth City State Univ. - July 2000**

Field: RH

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	98	100	100 ?	? ?	? ?	97 ?	87	70	52	49	51	51	52	52	51	50	52	51	55	59	66	78	85	92	62 ?
2	97	99	99 ?	97	93	90	82	72	63	56	49	47	46	45	57	57	58	59	63	70	73	75	78	81	71
3	84	85	86	86	90	90	87	80	70	59	60	64	62	61	62	63	65	67	69	70	71	71	75	75	73
4	80	79	80	84	82	80	79	76	74	72	70	70	68	67	68	66	67	68	72	76	75	82	90	91	76
5	93	92	93	93	95	96	95	92	87	83	79	74	67	67	66	85	90	91	95	100 ?	? ?	? ?	? ?	? ?	72 ?
6	? ?	? ?	? ?	? ?	? ?	? ?	? ?	92	82	77	76	72	70	65	66	67	66	70	76	84	87	89	92	94	55 ?
7	95	98	? ?	? ?	? ?	? ?	? ?	97 ?	83	67	59	61	55	58	65	67	69	68	70	75	75	74	80	90	59 ?
8	95	98	99	99	98	97	89	79	68	62	62	56	49	50	49	62	60	60	62	68	71	74	77	80	74
9	79	81	85	87	89	92	91	84	79	75	75	79	82	84	83	80	80	82	85	86	89	91	93	94	84
10	95	95	95	95	95	95	91	86	83	80	77	74	71	69	69	68	69	70	77	83	82	83	90	94	83
11	94	96	96	98	99	99	99	96	90	74	65	64	65	63	69	82	93	97	96	96	98	99	98	99	88
12	99	99 ?	99	97	96	97	97	94	87	75	64	55	47	47	45	47	55	60	71	78	83	88	89	88	77
13	92	95	97	97	99 ?	97 ?	91	82	72	62	58	55	56	54	46	45	55	65	72	82	89	92	93	90	77
14	87	88	89	88	88	87	85	83	76	71	67	64	62	62	62	62	64	64	69	78	83	86	87	88	77
15	90	91	92	94	96	97	97	95	? ?	? ?	? ?	93	84	82	81	77	75	80	84	94	97	98	99	100 ?	79 ?
16	100 ?	? ?	? ?	? ?	? ?	? ?	98 ?	90	83	74	67	68	65	69	69	69	71	78	88	96	97	99	99 ?	? ?	62 ?
17	99	? ?	? ?	? ?	? ?	? ?	93	82	72	64	61	60	60	55	58	75	71	72	74	81	84	81	83	93	59 ?
18	95	96	97	95	98	99	94	89	82	72	65	60	56	54	52	59	59	61	67	75	79	88	93	93	78
19	94	96	97	97	98	99	97	91	86	81	76	72	67	65	65	65	70	74	74	86	90	88	89	88	83
20	90	92	98	98	96	97	97	97	98	95	92	89	84	79	72	70	74	80	80	83	85	89	95	96	89
21	95	92	92	93	96	96	93	79	78	76	76	79	85	84	87	86	82	84	90	94	97	99	100 ?	? ?	85
22	? ?	? ?	? ?	? ?	? ?	? ?	99 ?	91	82	73	66	64	59	61	73	92	99 ?	97	97	99	100	? ?	? ?	? ?	52 ?
23	99	98	99	99 ?	? ?	? ?	? ?	99 ?	95	87	82	80	78	74	71	70	78	84	88	93	95	97	97	99	78 ?
24	100 ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	98	98	98 ?	100 ?	98	97	96	94	96	98	100	99	100	? ?	100 ?	100 ?	65 ?
25	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	100 ?	99	98	96	93	96	98	98	97	98	100	? ?	? ?	? ?	? ?	? ?	45 ?
26	? ?	? ?	? ?	? ?	? ?	? ?	? ?	100 ?	98	94	94	94	95	91	89	92	93	97	99	99	100 ?	? ?	? ?	? ?	56 ?
27	? ?	? ?	? ?	? ?	? ?	? ?	? ?	100 ?	97	95	92	85	79	75	81	87	90	96	? ?	? ?	99	? ?	? ?	? ?	45 ?
28	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	86	72	70	70	66	60	69	80	78	82	85	89	93	95	97	98	54 ?
29	99	100 ?	? ?	99 ?	89	92	96	93	86	83	80	77	75	85	83	84	84	95	? ?	? ?	? ?	? ?	? ?	? ?	63 ?
30	? ?	? ?	? ?	? ?	? ?	? ?	? ?	98 ?	91	85	80	75	72	74	78	95	96	95	95	98	98	98	97	98	63 ?
31	100	99	99	100 ?	99 ?	99	97	92	87	85	79	88	89	86	82	79	74	79	85	89	92	93	94	96	90
Avg	94	94	94	94	94	95	92	88	83	77	73	72	70	69	70	73	75	78	81	85	87	88	91	92	70
SD	6	6	6	5	5	5	5	8	11	12	13	14	14	14	14	14	14	14	12	11	10	9	7	6	13
S/A	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.1	0.13	0.16	0.18	0.19	0.2	0.2	0.2	0.19	0.18	0.18	0.15	0.13	0.12	0.1	0.08	0.07	0.18
Min	79	79	80	84	82	80	79	70	52	49	49	47	46	45	45	45	52	51	55	59	66	71	75	75	45
Max	100	100	100	100	99	99	99	100	100	99	98	100	98	97	98	98	99	98	100	100	100	99	100	100	90

Data Recovery: 0% missing; 18% failed QC -- 8928 total 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: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

Instrument: HMP  
Calibration Constant: 1.00 %/mV  
Serial Number: P0520031 H  
Calibration Date: 6/1/1995

**Temperature (CR10)**  
**Hourly and Daily Averages**  
**Degrees Celsius**  
**Elizabeth City State Univ. - July 2000**

Field: Temp CR10

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	17	16	16	16	16	16	18	22	27	30	30	30	30	30	30	30	29	28	26	24	22	19	18	17	23
2	16	16	15	15	15	15	18	22	26	29	32	33	32	31	31	31	30	29	28	25	23	22	21	21	24
3	20	20	19	19	19	19	20	23	26	29	30	29	30	31	32	32	31	31	29	27	25	25	24	24	25
4	23	23	23	22	22	22	22	24	26	27	29	29	30	31	31	32	33	32	31	29	28	26	26	25	27
5	25	25	24	24	24	24	25	26	28	30	32	34	35	36	35	31	28	27	25	24	23	23	23	23	27
6	23	22	22	22	22	22	22	25	28	30	31	31	31	32	32	32	32	30	28	25	23	22	21	21	26
7	21	20	19	19	20	20	21	22	25	27	29	30	30	31	30	29	29	28	26	24	22	21	20	18	24
8	17	16	16	15	15	15	18	21	25	27	29	29	29	29	30	29	26	26	25	23	21	21	20	19	23
9	19	19	19	19	19	19	21	23	25	27	29	29	28	27	27	29	29	29	28	26	25	24	24	24	24
10	23	23	23	23	23	23	24	26	28	29	31	33	33	34	34	34	34	33	32	30	29	28	27	27	28
11	27	26	26	25	25	24	25	26	28	32	35	36	35	34	33	31	28	25	25	24	23	23	22	22	28
12	22	22	21	21	21	21	21	22	23	25	28	30	31	31	32	31	31	29	27	25	23	21	21	20	25
13	19	19	19	19	18	18	21	24	26	28	28	28	29	30	30	31	30	28	27	25	23	23	22	22	25
14	21	21	20	21	21	21	22	25	27	30	32	32	31	31	31	31	30	29	27	25	24	24	24	23	26
15	23	23	23	23	23	23	23	23	20	20	20	22	26	27	28	28	28	28	27	25	23	23	22	21	24
16	21	20	20	20	20	20	21	25	28	31	33	34	33	32	31	31	31	28	24	21	20	20	20	20	25
17	20	19	19	19	18	19	20	23	27	30	32	34	34	34	34	32	31	30	29	27	25	24	24	23	26
18	22	21	20	20	19	19	21	25	29	32	33	34	34	34	35	35	34	33	31	29	27	26	26	25	28
19	25	24	24	24	23	23	24	26	28	30	32	33	34	34	34	34	33	32	30	27	26	26	26	26	28
20	26	26	24	24	24	23	21	21	21	21	22	23	24	26	28	29	28	26	24	23	22	21	20	19	24
21	20	20	21	20	20	20	21	24	26	26	26	27	25	26	26	26	26	27	26	24	22	21	21	20	23
22	20	19	19	19	19	19	20	23	27	30	32	33	34	34	32	27	23	22	22	22	22	21	21	21	24
23	22	22	22	22	21	21	21	22	24	25	28	29	30	31	31	29	28	26	25	24	23	23	23	23	25
24	23	23	23	23	22	23	22	23	23	23	23	23	23	24	24	25	24	22	21	21	20	19	19	20	22
25	20	20	19	19	19	19	19	20	20	21	21	23	24	23	23	23	24	24	23	22	22	22	22	23	21
26	23	23	23	23	23	22	23	23	24	25	26	27	27	28	28	28	27	25	24	24	23	23	22	22	24
27	22	22	22	22	22	22	22	22	24	25	26	29	31	32	32	30	29	27	25	23	22	22	22	22	25
28	22	22	22	22	21	21	22	25	29	33	34	33	33	33	32	31	31	30	28	27	25	24	24	24	27
29	24	23	23	23	22	22	23	25	28	29	31	32	33	30	28	28	29	26	23	22	22	22	22	22	25
30	22	22	22	23	23	23	23	26	29	30	32	33	33	33	32	28	25	25	24	24	23	23	23	23	26
31	23	24	24	24	24	24	25	28	29	30	31	30	27	28	29	30	31	31	30	28	26	26	25	25	27
Avg	22	21	21	21	21	21	22	24	26	28	29	30	30	31	31	30	29	28	27	25	24	23	22	22	25
S/D	3	3	3	3	3	2	2	2	3	3	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2
S/A	0.12	0.12	0.12	0.12	0.12	0.12	0.09	0.08	0.1	0.12	0.13	0.12	0.11	0.11	0.1	0.09	0.1	0.1	0.1	0.09	0.09	0.09	0.1	0.1	0.07
Min	16	16	15	15	15	15	18	20	20	20	20	22	23	23	23	23	23	22	21	21	20	19	18	17	21
Max	27	26	26	25	25	24	25	28	29	33	35	36	35	36	35	35	34	33	32	30	29	28	27	27	28

Data Recovery: 0% missing; 0% failed QC -- 8928 total 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: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

Instrument: CSIT  
Calibration Constant: 1.00 deg C/mV  
Serial Number: 0  
Calibration Date: 6/1/1995

**Wind Speed**  
**Hourly and Daily Averages**  
**Meters/Second**  
**Elizabeth City State Univ. - July 2000**

Field: WS

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	1	2	2	3	3	3	3	3	3	3	2	1	1	0	0	0	1
2	0	0	0	1	1	0	1	1	1	1	1	1	1	1	4	3	4	3	3	2	2	1	1	1	1
3	1	1	1	2	1	1	1	2	3	4	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3
4	3	3	3	2	2	2	3	4	4	4	4	4	4	3	3	4	3	3	2	2	2	2	3	2	3
5	3	3	3	3	3	3	3	3	3	2	1	1	1	1	2	5	3	2	2	1	0	1	1	1	2
6	1	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2
7	1	0	0	1	1	1	1	1	3	3	3	3	2	2	3	3	3	3	2	1	1	1	0	0	2
8	0	0	0	1	1	1	1	2	2	2	2	2	2	1	1	3	4	3	2	2	2	2	1	1	2
9	1	1	1	1	1	1	1	2	3	4	4	4	4	3	4	4	4	4	4	4	3	4	4	4	3
10	4	3	3	3	3	3	4	4	5	4	4	4	4	4	4	5	4	3	2	2	2	2	2	3	3
11	3	3	1	1	1	1	1	2	2	2	1	2	2	3	2	3	4	3	2	2	2	1	1	2	2
12	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	1	2
13	1	0	1	1	1	1	2	2	3	3	2	3	2	3	2	2	3	2	2	1	2	1	0	0	2
14	0	0	0	0	0	0	1	2	2	2	2	3	3	3	3	2	3	3	2	2	3	3	2	2	2
15	2	1	2	2	2	1	2	3	2	1	2	3	4	3	3	3	2	2	2	1	2	1	2	1	0
16	0	0	0	0	0	0	0	1	1	1	2	2	3	3	3	3	4	4	3	2	2	2	0	1	2
17	1	0	0	0	0	1	1	1	1	1	1	1	1	1	3	2	3	2	2	1	1	1	0	0	1
18	0	0	0	0	0	0	0	1	1	1	1	1	2	2	3	3	2	2	1	1	1	2	2	2	1
19	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	3	4	3	3	3	2	3	3	4	3
20	5	5	4	4	5	4	3	3	2	3	2	2	2	2	2	2	2	3	2	2	2	0	0	0	3
21	0	0	1	1	0	0	1	2	2	2	2	2	2	2	3	3	2	1	1	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	1	1	2	1	2	3	2	3	2	1	0	0	1	0	0	1
23	1	2	1	1	1	1	1	1	2	3	3	4	3	3	4	4	4	3	3	2	1	2	1	2	2
24	1	1	1	1	0	1	3	3	4	4	4	5	4	3	3	3	2	2	1	3	3	3	3	2	2
25	2	2	1	1	1	2	2	2	2	2	2	3	3	2	2	2	3	3	3	2	2	1	0	0	2
26	1	0	1	1	1	1	1	2	2	2	2	3	3	3	3	2	2	1	0	0	0	0	0	0	1
27	0	1	1	0	0	1	1	2	2	2	1	1	1	1	2	3	3	3	1	1	1	1	0	0	1
28	0	0	0	0	0	0	0	0	0	1	1	2	2	4	5	4	4	3	2	2	0	0	1	1	1
29	0	0	0	1	2	2	2	3	2	2	2	3	3	3	2	1	1	2	1	0	0	0	1	0	1
30	0	0	0	0	0	0	0	1	2	2	2	3	3	4	4	2	2	1	0	0	0	0	0	1	1
31	1	1	1	1	1	1	2	3	3	3	4	3	4	4	4	4	4	2	2	2	2	2	2	2	2
Avg	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	2	2	1	1	1	1	2
SD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S/A	1.02	1.12	1.09	1.04	0.98	0.87	0.72	0.54	0.43	0.44	0.44	0.38	0.36	0.35	0.3	0.27	0.26	0.27	0.38	0.51	0.58	0.7	0.85	0.9	0.33
Min	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
Max	5	5	4	4	5	4	4	4	5	4	4	5	4	4	5	5	4	4	4	4	3	4	4	4	3

Data Recovery: 0% missing; 0% failed QC -- 8928 total 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: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

Instrument: NRG  
Calibration Constant: 0.76 m/s/mV  
Serial Number: 0 WS  
Calibration Date: 6/1/1995

**Wind Direction**  
**Hourly and Daily Averages**  
**Degrees**  
**Elizabeth City State Univ. - July 2000**

Field: WD

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	120	98	109	103	98	98	99	206	195	176	205	187	187	188	214	211	214	201	215	229	224	0	67	81	202
2	0	72	68	80	83	84	75	81	75	136	175	194	220	218	280	293	261	264	273	275	290	299	328	333	271
3	351	1	346	357	12	8	5	354	8	338	349	339	351	314	345	343	332	331	314	318	347	349	332	351	342
4	5	5	4	349	350	350	1	11	359	18	9	15	8	28	12	7	7	17	4	6	11	336	348	3	6
5	356	11	15	16	20	22	33	55	58	49	44	86	80	43	201	216	226	226	323	310	228	255	280	314	15
6	70	76	101	117	115	147	199	200	203	209	201	190	193	173	208	204	183	201	201	209	203	209	222	211	194
7	213	112	121	139	146	133	137	142	187	168	167	167	157	177	198	183	189	203	196	190	169	182	192	130	175
8	25	35	58	82	93	95	137	146	176	166	184	116	150	195	197	277	264	253	251	236	262	273	281	291	224
9	276	282	286	288	303	313	318	346	349	345	355	358	342	350	353	333	351	335	334	340	341	350	349	353	342
10	356	357	347	2	358	5	7	24	36	33	29	42	25	26	38	35	24	18	14	347	344	338	339	342	15
11	3	8	58	2	14	4	19	23	60	92	108	70	79	113	186	216	187	181	163	190	185	179	175	152	125
12	159	145	162	183	165	136	129	155	187	191	208	218	248	210	204	206	214	213	207	209	212	194	204	204	201
13	193	183	195	173	147	187	207	224	235	234	235	250	224	236	232	235	231	272	263	267	249	242	273	308	235
14	299	304	294	278	297	288	314	351	3	326	347	343	303	305	317	343	308	324	326	317	297	326	313	310	321
15	308	307	306	289	330	334	304	265	247	155	237	269	264	250	247	249	216	233	241	260	226	180	212	264	260
16	278	223	0	23	0	100	19	13	19	10	3	342	16	322	270	217	257	247	281	237	276	280	104	103	292
17	88	300	339	0	145	127	139	142	175	181	206	192	57	108	30	266	229	214	211	231	231	229	354	30	201
18	36	315	0	0	61	79	59	37	26	31	346	12	32	13	353	333	317	325	315	290	310	315	343	351	344
19	353	347	349	347	8	354	342	8	1	3	3	341	328	340	329	326	309	323	340	302	314	331	327	334	337
20	356	20	5	14	68	115	102	80	73	121	136	116	150	145	150	164	192	213	220	231	230	281	34	45	90
21	325	292	267	273	307	291	245	264	289	268	272	321	334	322	326	296	307	309	310	322	318	317	334	45	299
22	0	0	0	99	98	107	95	80	125	162	212	199	210	291	302	111	187	188	199	302	68	140	239	192	195
23	212	205	195	157	150	140	152	198	217	205	214	210	206	207	206	211	206	206	205	203	212	191	201	187	203
24	195	216	249	203	212	212	213	229	240	247	230	268	14	21	46	49	39	50	67	117	112	132	147	145	190
25	132	130	104	133	144	138	166	176	165	180	169	178	194	190	189	169	197	190	195	178	163	170	214	251	173
26	267	261	242	249	281	266	312	307	316	300	311	287	317	297	336	335	341	321	303	289	284	0	235	129	306
27	115	147	146	177	173	134	109	122	137	117	145	187	157	205	255	269	235	219	215	228	260	276	282	242	205
28	262	251	0	0	0	0	6	92	359	332	296	294	255	234	270	277	277	277	263	268	276	279	285	301	272
29	272	277	0	81	167	275	272	283	346	341	11	321	319	147	141	164	246	3	243	287	239	4	280	325	303
30	304	297	284	295	328	321	318	356	17	352	328	318	350	309	279	339	341	327	310	285	277	267	260	280	323
31	291	304	297	301	319	294	299	305	305	306	314	334	351	7	21	355	8	349	327	321	301	315	350	359	334
Avg	346	359	352	359	32	51	7	354	350	297	294	296	325	287	281	276	263	261	260	262	269	292	310	331	286

Data Recovery: 0% missing; 0% failed QC -- 8928 total 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:	EC
Latitude:	36.30° N
Longitude:	76.25° W
Elevation:	4 Meters AMSL
Time Zone:	-5

Instrument:	NRGV
Calibration Constant:	0.14 deg/mV
Serial Number:	0
Calibration Date:	6/1/1995



**Peak Wind Speed**  
**Hourly and Daily Averages**  
**Meters/Second**  
**Elizabeth City State Univ. - July 2000**

Field: Pk WS

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	1	2	3	3	4	5	5	5	5	5	4	3	2	1	0	0	0	2
2	0	0	1	1	1	1	2	2	3	2	3	3	2	5	5	5	5	4	4	3	2	2	2	2	2
3	2	2	2	2	1	2	2	4	4	6	6	5	6	7	7	7	7	6	5	5	5	5	5	5	4
4	5	5	5	4	4	3	4	6	6	7	7	7	7	5	5	5	5	5	4	4	4	3	4	3	5
5	4	4	4	4	4	4	5	5	5	4	3	3	2	4	8	5	5	3	3	2	1	2	2	1	3
6	2	2	2	1	2	2	2	3	4	5	4	4	5	5	5	4	4	4	2	2	2	2	2	2	3
7	1	0	1	2	2	2	3	2	4	5	5	5	4	4	5	5	5	4	4	2	2	2	1	0	3
8	1	0	0	1	1	1	3	3	4	3	3	3	3	3	2	5	5	4	4	4	3	3	2	1	3
9	2	2	2	2	1	1	2	4	4	7	7	6	6	6	6	7	7	6	6	6	5	6	6	6	5
10	5	5	5	5	5	5	6	7	7	6	6	6	6	6	6	7	6	4	3	3	3	3	3	4	5
11	4	4	2	1	2	2	2	4	3	3	3	3	4	5	4	4	6	5	4	4	3	3	3	3	3
12	3	3	2	2	2	2	2	2	4	5	5	4	5	5	5	5	5	4	4	4	3	3	3	2	3
13	1	1	1	1	1	2	3	3	4	5	3	4	4	4	4	4	4	4	3	2	2	2	1	1	3
14	1	0	1	0	0	1	2	3	3	3	4	4	4	4	5	4	5	5	3	4	5	5	4	3	3
15	3	3	3	3	3	2	4	5	3	3	4	4	5	5	4	3	4	3	4	3	2	3	1	1	3
16	0	0	0	0	0	0	0	2	3	2	3	4	5	5	4	4	5	6	5	4	3	3	1	3	3
17	2	1	0	0	1	2	2	2	2	3	2	2	3	3	3	4	4	4	3	3	2	2	1	0	2
18	0	0	0	0	0	0	0	2	2	2	3	3	3	3	4	5	3	3	2	2	4	4	4	4	2
19	3	3	2	3	3	3	3	4	4	4	5	6	6	6	6	6	6	5	6	5	4	5	6	7	5
20	7	8	6	7	8	7	7	5	5	5	4	4	3	4	3	3	3	4	3	4	3	0	0	0	4
21	1	1	1	1	1	0	1	3	3	4	3	3	3	3	4	5	4	3	2	1	0	0	0	0	2
22	0	0	0	0	0	0	1	2	3	2	3	3	2	4	4	3	5	3	1	1	1	2	0	1	2
23	3	3	2	1	2	2	2	3	3	4	5	5	6	5	6	6	6	5	5	4	3	2	3	2	4
24	2	2	1	1	1	2	4	4	6	6	5	8	7	5	5	5	4	4	3	5	5	6	5	4	4
25	3	3	3	3	2	4	4	3	3	4	4	5	4	4	4	4	5	5	5	4	3	1	1	1	3
26	1	1	1	2	3	2	3	3	3	4	4	5	4	5	5	4	3	2	1	0	0	0	0	1	2
27	1	2	2	1	1	2	3	3	3	3	2	3	2	2	3	4	5	4	4	2	2	2	1	1	2
28	1	0	0	0	0	0	0	0	1	2	2	3	4	5	7	7	6	5	4	2	1	1	2	2	2
29	1	1	0	2	3	3	3	4	4	3	3	5	5	5	3	2	2	3	1	0	0	0	1	0	2
30	0	0	1	1	1	1	1	2	3	4	4	5	5	6	6	4	3	2	1	1	1	1	1	2	2
31	2	2	2	2	3	2	3	4	5	5	7	5	6	7	6	6	6	4	3	4	3	4	4	4	4
Avg	2	2	2	2	2	2	3	3	4	4	4	4	4	5	5	5	5	4	3	3	3	2	2	2	3
SD	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
S/A	0.88	0.98	0.93	0.86	0.9	0.78	0.61	0.44	0.33	0.35	0.35	0.31	0.29	0.28	0.25	0.26	0.24	0.24	0.33	0.48	0.55	0.66	0.76	0.79	0.3
Min	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	2
Max	7	8	6	7	8	7	7	7	7	7	7	8	7	7	7	8	7	6	6	6	5	6	6	7	5

Data Recovery: 0% missing; 0% failed QC -- 8928 total 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: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: NRG
Calibration Constant: 0.76 m/s/mV
Serial Number: 0 WSP
Calibration Date: 6/1/1995

**Station Pressure**  
**Hourly and Daily Averages**  
**Millibars**  
**Elizabeth City State Univ. - July 2000**

Field: Press

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	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	
2	1016	1016	1015	1016	1016	1017	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1016	1016	1017	1017	1018	1018	1018	1017	
3	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017
4	1016	1016	1016	1015	1015	1015	1016	1015	1015	1015	1014	1014	1013	1013	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1013
5	1011	1011	1010	1010	1010	1010	1010	1011	1011	1010	1010	1010	1010	1009	1008	1008	1008	1008	1009	1009	1009	1010	1010	1010	1009	1010
6	1008	1008	1008	1008	1008	1008	1009	1009	1009	1009	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1009	1009	1009
7	1009	1009	1009	1010	1010	1011	1011	1012	1012	1013	1013	1013	1013	1014	1014	1014	1014	1014	1015	1015	1016	1017	1017	1017	1017	1013
8	1017	1017	1017	1017	1018	1019	1020	1020	1020	1021	1021	1020	1020	1020	1020	1019	1019	1019	1019	1019	1019	1019	1020	1019	1019	1019
9	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1017	1017	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1013	1016
10	1013	1013	1012	1012	1011	1011	1012	1012	1012	1012	1012	1011	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1010
11	1009	1008	1008	1008	1008	1008	1008	1008	1009	1009	1009	1009	1009	1009	1009	1008	1009	1009	1010	1010	1011	1011	1011	1011	1009	1009
12	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1014	1014	1015	1015	1015	1015	1015	1013
13	1015	1015	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1013	1012	1013	1013	1012	1012	1014	1014
14	1012	1012	1011	1011	1011	1011	1011	1011	1012	1011	1011	1011	1010	1010	1009	1009	1008	1008	1008	1008	1008	1008	1008	1007	1010	1010
15	1006	1006	1005	1004	1004	1004	1004	1003	1003	1004	1004	1004	1004	1003	1003	1003	1003	1003	1004	1004	1004	1005	1005	1005	1004	1004
16	1005	1005	1005	1005	1005	1006	1006	1007	1007	1008	1008	1007	1007	1006	1006	1006	1007	1008	1008	1008	1008	1009	1009	1010	1007	1007
17	1010	1009	1008	1009	1009	1010	1011	1011	1011	1012	1013	1012	1012	1011	1011	1012	1012	1012	1012	1013	1013	1013	1013	1013	1011	1011
18	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013	1013
19	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1010	1009	1009	1009	1009	1009	1008	1008	1007	1011	1011
20	1007	1007	1006	1006	1007	1007	1008	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	1012	1012	1012	1011	1009	1009
21	1011	1012	1011	1011	1011	1012	1011	1012	1012	1012	1012	1013	1013	1012	1012	1012	1011	1011	1012	1012	1012	1012	1012	1012	1012	1012
22	1012	1012	1011	1011	1012	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1016	1016	1014	1014
23	1016	1016	1015	1016	1015	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1015	1015	1016	1016	1016	1016	1016	1016	1015	1016	1016
24	1015	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1012	1012	1012	1013	1012	1013	1013	1014	1015	1015	1016	1016	1016	1014	1014
25	1016	1016	1017	1017	1017	1016	1017	1017	1018	1018	1019	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017
26	1017	1017	1016	1016	1016	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017
27	1017	1017	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1016	1016	1015	1016	1016	1016	1016	1016	1017	1017
28	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1012	1012	1014	1014	1014	1014	1014	1014	1014	1014	1015	1014	1014	1014	1014
29	1014	1014	1013	1013	1013	1013	1013	1013	1015	1015	1015	1015	1015	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1015	1015
30	1016	1015	1015	1015	1015	1015	1015	1015	1016	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1016	1017	1017	1017	1018	1016	1016
31	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1017	1018	1017	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1017
Avg	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1013	1013
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	3	3
S/A	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	0
Min	1005	1005	1005	1004	1004	1004	1004	1003	1003	1004	1004	1004	1004	1003	1003	1003	1003	1003	1004	1004	1004	1005	1005	1005	1004	1004
Max	1019	1019	1019	1018	1018	1019	1020	1020	1020	1021	1021	1020	1020	1020	1020	1019	1019	1019	1019	1019	1019	1019	1020	1019	1019	1019

Data Recovery: 0% missing; 0% failed QC -- 8928 total 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:	EC
Latitude:	36.30° N
Longitude:	76.25° W
Elevation:	4 Meters AMSL
Time Zone:	-5

Instrument:	VSA
Calibration Constant:	0.10 X + 800b/V
Serial Number:	493926
Calibration Date:	6/1/1995