

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Universit - July 1999**

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	34	135	401	495	680	749	817	901	868	737	626	442	241	52	1	0	0	0	0	7180
2	0	0	0	0	1	57	213	346	636	768	853	885	999	835	566	636	437	260	77	2	0	0	0	0	7571
3	0	0	0	0	1	62	217	423	612	736	875	901	854	844	784	609	286	228	46	1	0	0	0	0	7478
4	0	0	0	0	1	57	202	396	595	732	807	851	851	866	639	439	351	171	57	1	0	0	0	0	7017
5	0	0	0	0	1	50	188	317	536	657	827	876	756	526	650	582	374	202	66	2	0	0	0	0	6609
6	0	0	0	0	1	49	183	355	545	706	782	833	765	749	670	570	375	205	62	2	0	0	0	0	6851
7	0	0	0	0	1	48	190	385	573	708	833	900	826	810	674	596	378	84	20	0	0	0	0	0	7027
8	0	0	0	0	0	43	147	338	524	725	825	795	376	541	711	606	417	205	65	1	0	0	0	0	6319
9	0	0	0	0	0	58	204	394	560	706	816	788	720	752	753	483	400	213	63	2	0	0	0	0	6913
10	0	0	0	0	0	48	203	399	580	751	856	884	767	760	635	486	32	46	43	0	0	0	0	0	6491
11	0	0	0	0	0	6	31	41	108	97	78	83	203	263	395	374	226	105	21	0	0	0	0	0	2031
12	0	0	0	0	0	8	32	90	242	168	193	172	128	77	50	45	39	23	8	0	0	0	0	0	1276
13	0	0	0	0	0	7	54	155	227	166	197	214	254	172	171	179	87	29	8	0	0	0	0	0	1920
14	0	0	0	0	0	4	20	75	78	163	198	252	222	142	122	293	273	166	40	3	0	0	0	0	2052
15	0	0	0	0	0	20	183	361	348	501	247	419	459	164	226	287	357	219	64	1	0	0	0	0	3857
16	0	0	0	0	0	50	186	416	613	676	890	956	969	918	809	651	457	262	78	1	0	0	0	0	7931
17	0	0	0	0	0	47	221	361	573	588	890	919	847	882	716	401	346	180	26	1	0	0	0	0	6997
18	0	0	0	0	0	46	177	254	213	505	599	874	683	721	550	571	297	213	58	0	0	0	0	0	5763
19	0	0	0	0	0	40	168	350	543	716	841	908	905	863	748	595	402	199	54	0	0	0	0	0	7333
20	0	0	0	0	0	30	90	244	500	637	787	846	516	440	243	112	254	24	5	0	0	0	0	0	4727
21	0	0	0	0	0	25	131	159	225	483	498	567	646	486	558	252	264	109	37	0	0	0	0	0	4440
22	0	0	0	0	0	39	154	318	391	606	782	743	629	627	333	411	360	91	41	0	0	0	0	0	5525
23	0	0	0	0	0	37	175	363	563	726	890	679	625	869	696	546	354	172	49	1	0	0	0	0	6743
24	0	0	0	0	0	38	165	339	528	691	803	855	897	837	695	274	4	2	1	0	0	0	0	0	6130
25	0	0	0	0	0	4	17	58	151	252	243	664	912	883	788	580	390	205	50	0	0	0	0	0	5198
26	0	0	0	0	0	33	175	348	558	736	863	919	938	851	736	504	345	179	49	0	0	0	0	0	7233
27	0	0	0	0	0	37	179	374	430	567	829	904	831	793	699	521	316	193	43	0	0	0	0	0	6716
28	0	0	0	0	0	32	180	356	530	718	830	911	872	694	618	402	198	136	20	0	0	0	0	0	6496
29	0	0	0	0	0	32	163	326	461	716	868	811	777	685	774	598	408	202	40	3	0	0	0	0	6864
30	0	0	0	0	0	31	168	372	567	736	848	905	878	796	703	559	346	177	37	0	0	0	0	0	7123
31	0	0	0	0	0	26	153	333	524	682	804	882	828	783	711	532	355	186	38	0	0	0	0	0	6839
Avg	0	0	0	0	0	35	152	305	453	590	690	742	704	661	586	462	309	159	43	1	0	0	0	0	5892
S/D	0	0	0	0	0	16	59	111	162	200	257	244	241	250	214	161	120	73	20	1	0	0	0	0	1814
S/A	0	0	0	0	1.49	0.46	0.39	0.36	0.36	0.34	0.37	0.33	0.34	0.38	0.36	0.35	0.39	0.46	0.48	1.04	0	0	0	0	0.31
Min	0	0	0	0	0	4	17	41	78	97	78	83	128	77	50	45	4	2	1	0	0	0	0	0	1276
Max	0	0	0	0	1	62	221	423	636	768	890	956	999	918	809	651	457	262	78	3	0	0	0	0	7931

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: 5/20/98

**Direct Normal Solar Radiation  
Hourly Integrated and Daily Totals  
Watt-Hours per Square Meter  
Elizabeth City State Universit - July 1999**

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	10	46	508	283	478	467	500	638	641	570	674	566	376	92	1	0	0	0	0	5850
2	0	0	0	0	0	66	253	225	566	638	518	490	727	614	342	605	518	493	259	1	0	0	0	0	6317
3	0	0	0	0	0	155	381	547	645	672	703	619	593	645	699	635	290	342	62	0	0	0	0	0	6989
4	0	0	0	0	0	77	320	486	551	517	498	545	549	601	387	279	311	140	71	1	0	0	0	0	5334
5	0	0	0	0	0	48	182	151	299	374	532	537	402	154	345	452	353	260	135	2	0	0	0	0	4228
6	0	0	0	0	0	58	209	309	405	482	362	366	276	297	274	404	329	233	90	1	0	0	0	0	4093
7	0	0	0	0	0	69	243	395	473	457	463	456	349	422	372	499	381	10	0	0	0	0	0	0	4590
8	0	0	0	0	0	31	43	251	359	500	437	286	26	90	453	525	431	193	124	0	0	0	0	0	3750
9	0	0	0	0	0	119	349	491	525	474	459	363	321	379	487	292	353	207	71	0	0	0	0	0	4890
10	0	0	0	0	0	126	377	514	598	656	643	599	412	449	359	295	0 ?	3	3	0	0	0	0	0	5034
11	0	0	0	0	0	0	0	0	2	1	0	0	3	2	11	20	17	1	0	0	0	0	0	0	56
12	0	0	0	0	0	0	0	1	8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	11
13	0	0	0	0	0	0	0	1	1	2	3	1	3	1	1	2	1	0	0	0	0	0	0	0	17
14	0	0	0	0	0	0	0	0	0	1	3	1	1	1	1	31	27	8	0	0	0	0	0	0	74
15	0	0	0	0	0	1	227	427	16	126	3	6	54	1	2	3	219	250	110	1	0	0	0	0	1444
16	0	0	0	0	0	105	420 ?	676 ?	730	567	806	811	821	810	792	783	731	642	397	2	0	0	0	0	9094
17	0	0	0	0	0	103	499	644 ?	647	390	696	616	489	669	530	286	341	199	1	0	0	0	0	0	6111
18	0	0	0	0	0	29	87	82	30	164	167	441	160	196	187	371	168	267	93	0	0	0	0	0	2445
19	0	0	0	0	0	42	171	318	434	520	575	608	593	602	554	510	447	260	90	0	0	0	0	0	5725
20	0	0	0	0	0	1	3	48	244	279	436	438	130	98	21	18 ?	99	2	1	1	0	0	0	0	1818
21	0	0	0	0	0	5	25	4	2	53	88	94	97	51	142	19	50	20	10	0	0	0	0	0	660
22	0	0	0	0	0	20	81	185	135	304	404	278	191	205	82	289	309	1	2	0	0	0	0	0	2485
23	0	0	0	0	0	64	318	470	572	622	604	338	274	566	388	327	240	125	59	0	0	0	0	0	4968
24	0	0	0	0	0	39	183	314	423	483	535	523	500	480	397	115	2	1	2	0	0	0	0	0	3997
25	0	0	0	0	0	1	1	1	2	3	5	232	542	663	621	528	459	328	112	0	0	0	0	0	3495
26	0	0	0	0	0	87	356	440	622	715	764	755	704	609	571	391	329	235	98	0	0	0	0	0	6675
27	0	0	0	0	0	126	420	581	154	181	593	716	509	514	349	263	224	225	95	0	0	0	0	0	4951
28	0	0	0	0	0	57	239	392	517	643	662	727	595	291	342	127	8	33	0	0	0	0	0	0	4634
29	0	0	0	0	0	40	248	327	316	600	667	442	343	300	588	633	554	336	35	0	0	0	0	0	5430
30	0	0	0	0	0	74	375	599	710	751	746	723	657	527	497	482	244	188	38	0	0	0	0	0	6612
31	0	0	0	0	0	39	232	378	498	562	597	620	407	397	489	368	361	281	44	0	0	0	0	0	5272
Avg	0	0	0	0	0	51	203	315	347	394	433	424	367	364	350	330	270	183	68	0	0	0	0	0	4098
S D	0	0	0	0	0	44	151	214	246	241	259	244	244	248	224	225	194	161	83	1	0	0	0	0	2307
S/A	0	0	0	0	1.88	0.85	0.75	0.68	0.71	0.61	0.6	0.58	0.67	0.68	0.64	0.68	0.72	0.88	1.23	1.51	0	0	0	0	0.56
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	11
Max	0	0	0	0	0	155	499	676	730	751	806	811	821	810	792	783	731	642	397	2	0	0	0	0	9094

Daylight Data Recovery: 0% missing; 1% 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: 5/20/98

**Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State University - July 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	29	109	137	289	257	280	286	231	216	218	125	125	100	33	1	0	0	0	0	2438
2	0	0	0	0	1	49	137	218	229	207	316	369	236	220	251	181	151	84	37	2	0	0	0	0	2686
3	0	0	0	0	1	39	101	132	153	147	185	257	233	196	160	140	122	108	35	1	0	0	0	0	2010
4	0	0	0	0	1	45	101	144	204	279	311	284	287	270	292	231	178	122	47	1	0	0	0	0	2796
5	0	0	0	0	1	43	137	242	329	342	319	330	355	360	353	260	189	117	47	2	0	0	0	0	3424
6	0	0	0	0	0	41	125	205	272	305	443	462	496	460	423	280	205	127	50	2	0	0	0	0	3896
7	0	0	0	0	0	40	121	190	250	324	392	444	475	397	345	236	174	72	18	0	0	0	0	0	3478
8	0	0	0	0	0	39	132	208	276	301	392	513	339	441	310	226	185	136	46	1	0	0	0	0	3546
9	0	0	0	0	0	37	101	155	207	313	385	413	389	371	321	274	211	142	54	2	0	0	0	0	3375
10	0	0	0	0	0	34	93	142	164	190	231	265	334	319	313	263	29	40	38	0	0	0	0	0	2455
11	0	0	0	0	0	7	27	36	94	85	67	71	176	227	351	332	200	92	20	1	0	0	0	0	1786
12	0	0	0	0	0	7	28	79	219	144	166	148	111	67	44	38	34	20	7	0	0	0	0	0	1113
13	0	0	0	0	0	6	46	134	198	145	172	186	221	150	148	154	76	26	7	0	0	0	0	0	1670
14	0	0	0	0	0	4	18	65	67	141	173	221	191	124	106	245	241	152	36	4	0	0	0	0	1787
15	0	0	0	0	0	18	108	158	306	370	216	362	365	144	197	248	241	127	51	1	0	0	0	0	2911
16	0	0	0	0	0	33	77 ?	90 ?	111	182	107	123	116	116	110	81	66	47	25	1	0	0	0	0	1286
17	0	0	0	0	0	33	69	94 ?	140	248	222	284	334	214	235	187	151	117	23	1	0	0	0	0	2351
18	0	0	0	0	0	46	156	217	184	362	437	428	506	526	389	304	211	127	46	0	0	0	0	0	3940
19	0	0	0	0	0	38	123	200	255	285	299	297	298	272	262	227	164	114	42	0	0	0	0	0	2877
20	0	0	0	0	0	26	80	206	329	402	372	400	374	319	212	97	195	23	6	0	0	0	0	0	3042
21	0	0	0	0	0	24	121	139	195	413	405	460	535	408	418	228	236	99	34	0	0	0	0	0	3716
22	0	0	0	0	0	38	140	233	304	342	398	459	413	416	255	207	192	80	36	0	0	0	0	0	3512
23	0	0	0	0	0	32	94	144	179	209	315	338	339	313	354	317	232	137	42	1	0	0	0	0	3045
24	0	0	0	0	0	33	120	195	252	301	300	334	394	378	357	185	3	2	1	0	0	0	0	0	2856
25	0	0	0	0	0	4	16	50	131	219	212	404	361	245	255	207	151	104	36	0	0	0	0	0	2397
26	0	0	0	0	0	23	85	145	153	149	148	167	230	264	244	229	183	107	35	0	0	0	0	0	2162
27	0	0	0	0	0	26	74	109	338	384	247	190	298	284	371	322	195	122	30	0	0	0	0	0	2991
28	0	0	0	0	0	28	121	177	186	194	215	193	263	407	313	298	174	119	18	0	0	0	0	0	2707
29	0	0	0	0	0	31	107	185	230	222	246	351	412	381	261	151	124	96	31	2	0	0	0	0	2831
30	0	0	0	0	0	26	69	95	104	120	151	183	213	278	273	223	223	120	31	0	0	0	0	0	2109
31	0	0	0	0	0	22	97	164	202	221	241	254	411	398	295	276	175	99	31	0	0	0	0	0	2886
Avg	0	0	0	0	0	29	95	151	211	252	270	306	320	296	272	219	162	96	32	1	0	0	0	0	2712
S/D	0	0	0	0	0	13	37	54	72	89	99	113	108	111	91	71	62	39	14	1	0	0	0	0	722
S/A	0	0	0	0	1.49	0.43	0.39	0.36	0.34	0.36	0.37	0.37	0.34	0.38	0.33	0.33	0.38	0.4	0.43	1.02	0	0	0	0	0.27
Min	0	0	0	0	0	4	16	36	67	85	67	71	111	67	44	38	3	2	1	0	0	0	0	0	1113
Max	0	0	0	0	1	49	156	242	338	413	443	513	535	526	423	332	241	152	54	4	0	0	0	0	3940

Daylight Data Recovery: 0% missing; 1% 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: 5/20/98

**Dry Bulb Temperature (Roof)**  
**Hourly and Daily Averages**  
**Degrees Celsius**  
**Elizabeth City State Universit - July 1999**

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	24	24	24	24	24	24	24	24	25	26	28	29	29	30	30	29	29	29	28	27	26	26	25	25	26
2	24	24	24	24	24	24	24	25	26	27	27	28	29	30	30	30	29	28	28	27	26	25	25	24	27
3	24	24	24	24	24	24	24	24	26	27	28	29	30	31	32	32	31	31	29	28	27	27	26	25	27
4	25	24	24	24	24	24	25	26	27	29	30	31	32	33	33	33	33	32	31	30	29	28	28	27	28
5	26	26	26	25	25	25	26	27	29	31	33	34	35	35	35	35	34	34	33	31	30	29	29	28	30
6	28	27	27	27	26	26	27	29	31	33	34	35	35	35	35	35	34	34	33	31	30	29	28	27	31
7	26	26	25	25	25	24	25	26	27	29	30	31	32	32	33	33	33	31	31	25	23	22	23	24	28
8	25	25	24	24	24	24	25	25	27	28	29	30	29	30	32	33	33	30	29	27	26	26	25	25	27
9	24	24	24	24	24	24	25	26	29	30	32	32	33	33	34	34	34	33	32	31	30	29	29	29	29
10	28	28	27	27	26	26	27	28	29	30	31	32	33	34	34	34	29	25	26	25	23	24	25	25	28
11	25	24	24	24	23	22	20	20	21	20	19	18	18	20	21	22	22	22	21	21	21	21	21	21	21
12	21	21	22	22	22	22	22	21	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21
13	21	21	21	20	20	20	19	20	21	21	22	22	23	23	22	22	22	22	21	21	21	21	21	21	21
14	21	21	21	21	21	22	22	22	22	22	22	22	22	22	21	22	22	22	22	21	21	21	21	20	21
15	20	19	19	19	20	20	21	23	23	24	24	25	24	24	23	24	24	24	23	22	21	21	21	21	22
16	20	20	19	19	19	19	22	24	25	26	27	28	28	28	28	28	27	26	26	24	24	23	23	22	24
17	22	21	22	22	21	21	22	25	27	28	29	29	29	30	30	29	28	28	27	26	26	25	25	25	26
18	24	24	24	24	24	23	24	25	25	27	28	29	30	31	31	31	30	30	29	28	27	27	26	26	27
19	25	25	25	24	24	24	25	26	27	29	30	31	32	32	32	32	32	32	31	29	28	28	27	27	28
20	26	26	26	25	25	25	25	26	28	30	32	33	33	31	30	26	27	26	26	25	26	25	25	25	27
21	25	25	25	24	24	24	25	26	26	27	28	28	29	28	28	28	28	27	27	26	26	26	26	25	26
22	25	25	24	24	25	25	26	27	28	28	29	30	30	31	31	28	30	30	30	29	29	28	28	27	28
23	27	27	27	27	26	25	27	29	30	31	32	32	31	31	31	31	30	29	29	28	27	27	26	26	29
24	26	25	25	25	25	26	27	28	30	31	32	33	33	34	34	34	26	23	23	22	22	22	23	24	27
25	24	23	23	23	22	23	23	23	24	24	25	26	28	30	31	32	31	31	30	28	28	27	27	27	26
26	26	25	25	23	23	23	24	25	28	30	31	32	32	32	32	32	31	31	30	28	27	26	26	25	28
27	24	23	23	23	22	22	25	28	30	31	32	33	33	33	32	32	32	31	30	28	27	27	26	26	28
28	26	25	25	24	24	24	25	27	29	30	31	32	33	33	34	33	32	32	30	29	29	28	24	23	29
29	23	23	23	23	23	23	24	26	26	27	28	29	30	31	31	32	31	31	30	29	28	27	27	26	27
30	26	26	25	24	23	23	24	26	29	31	32	32	33	33	33	34	34	33	31	30	29	29	28	27	29
31	27	27	26	26	26	26	27	30	32	34	34	34	35	34	34	34	34	34	33	32	31	30	29	29	30
Avg	24	24	24	24	23	23	24	25	27	28	29	29	30	30	30	30	29	29	28	27	26	26	25	25	27
S D	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	3	3	3	3	2	2	3
S/A	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.09	0.11	0.12	0.14	0.14	0.14	0.13	0.13	0.14	0.13	0.14	0.12	0.12	0.11	0.11	0.1	0.09	0.1
Min	20	19	19	19	19	19	19	20	21	20	19	18	18	20	21	21	21	21	21	21	21	21	21	20	21
Max	28	28	27	27	26	26	27	30	32	34	34	35	35	35	35	35	34	34	33	31	30	29	29	29	31

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: 6/1/95

**Relative Humidity  
Hourly and Daily Averages  
Percent  
Elizabeth City State Universit - July 1999**

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	96	95	97	97	96	94	98	94	87	81	75	70	66	66	66	65	65	68	68	75	83	86	91	94	82							
2	96	98	98	99	99	99	95	90	83	76	72	67	66	65	65	68	69	74	73	79	87	89	91	93	83							
3	93	95	97	97	98	98	96	90	82	76	71	68	67	65	60	59	61	65	74	79	82	81	84	89	80							
4	91	93	94	95	97	97	94	89	82	76	72	69	67	63	63	64	66	70	74	81	82	86	91	80								
5	94	94	95	94	94	94	91	86	83	75	64	61	59	61	65	66	66	72	78	84	90	93	95	80								
6	97	99	100	100	?	98	94	93	87	76	69	63	60	59	57	63	62	63	70	77	82	88	86	88	79							
7	91	94	94	94	92	94	90	87	83	77	72	69	67	64	60	59	63	67	67	80	91	96	95	92	81							
8	89	89	90	90	92	91	89	86	79	70	65	65	69	66	58	52	50	69	71	73	77	82	89	96	77							
9	97	99	99	100	?	?	98	92	84	77	71	67	62	59	57	56	57	59	64	69	70	82	82	82	?	?						
10	81	81	83	84	85	84	81	77	74	69	63	58	56	53	52	53	76	96	95	96	100	?	100	?	?	?	71	?				
11	?	?	99	98	95	95	96	98	89	88	95	100	?	99	95	84	69	71	75	78	85	90	89	87	85	82	?					
12	82	81	78	74	74	77	80	86	87	93	97	98	99	99	?	?	?	?	?	?	?	?	?	?	?	54	?					
13	?	?	?	?	?	?	?	99	?	98	95	94	92	91	89	92	97	97	98	100	?	?	?	?	?	?	52	?				
14	?	?	?	?	?	?	?	?	?	99	?	98	98	99	98	97	97	94	91	93	95	95	96	95	97	60	?					
15	99	?	?	?	?	?	95	85	85	80	81	80	75	82	86	86	84	84	85	91	94	96	98	98	69	?						
16	99	?	?	?	?	?	95	?	84	80	76	67	61	61	59	54	56	60	59	68	82	90	95	98	100	60	?					
17	100	?	?	?	?	?	99	?	94	85	76	70	70	66	62	65	74	78	80	82	82	86	90	94	96	65	?					
18	96	98	99	99	100	100	?	98	95	95	90	84	76	74	70	71	63	67	70	74	80	84	86	88	88	85						
19	91	94	94	96	97	98	96	92	84	75	70	63	62	62	60	60	60	66	72	76	79	82	84	84	87	79						
20	90	92	90	91	94	95	94	91	84	77	71	67	66	65	65	87	83	89	93	98	100	100	?	100	?	100	?	87				
21	?	?	99	?	98	99	99	98	99	98	94	88	89	86	88	87	90	90	91	93	94	98	100	?	100	?	?	82	?			
22	?	?	?	?	?	?	?	97	91	87	81	75	75	74	75	84	79	85	88	91	93	94	95	98	98	61	?					
23	99	98	97	97	98	99	96	86	78	73	68	72	79	75	74	76	79	81	84	88	91	95	96	97	86	86						
24	99	100	?	?	?	?	98	?	92	84	82	77	73	70	66	63	67	79	?	98	?	97	?	99	?	99	100	?	98	95	72	?
25	94	94	95	96	98	98	99	99	98	96	95	91	83	78	72	67	68	73	80	87	88	91	94	95	89	89						
26	90	68	73	85	93	94	92	88	76	63	56	49	47	47	51	53	53	58	65	71	73	81	86	91	71	71						
27	96	97	97	97	98	97	87	73	63	58	49	43	43	45	51	51	56	65	67	78	81	80	81	83	72	72						
28	87	88	89	93	93	92	86	80	78	75	67	61	57	54	56	56	63	70	76	81	83	87	97	99	78	78						
29	99	99	99	97	97	97	96	88	83	80	78	74	71	66	65	65	65	67	72	77	82	86	89	92	83	83						
30	92	91	93	97	99	99	?	94	82	71	69	63	56	53	54	56	57	59	63	71	77	81	86	90	92	77						
31	93	94	97	98	97	97	89	77	67	62	58	58	60	70	66	64	67	68	76	85	87	89	91	93	94	79						
Avg	94	93	94	94	95	95	93	89	83	79	74	71	69	68	68	67	70	74	78	83	87	90	91	93	75	75						
S D	5	7	7	6	6	5	5	7	8	10	12	14	14	14	13	13	12	12	10	9	8	6	5	5	10	10						
S/A	0.05	0.08	0.07	0.06	0.06	0.05	0.05	0.07	0.1	0.13	0.17	0.2	0.2	0.2	0.19	0.19	0.17	0.16	0.13	0.1	0.09	0.07	0.06	0.05	0.13	0.13						
Min	81	68	73	74	74	77	80	73	63	58	49	43	43	45	51	51	50	58	64	69	70	80	81	82	52	52						
Max	100	100	100	100	100	100	99	99	98	99	98	100	99	99	99	97	97	98	98	100	100	100	100	100	100	89	89					

Data Recovery: 0% missing; 11% 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: 6/1/95

**Temperature (CR10)**  
**Hourly and Daily Averages**  
**Degrees Celsius**  
**Elizabeth City State Universit - July 1999**

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	24	23	23	23	24	24	24	25	27	28	30	31	31	31	32	32	31	31	29	27	26	26	25	24	27
2	24	23	23	23	23	23	25	27	29	30	32	33	33	33	33	33	32	31	30	28	26	25	24	24	28
3	24	23	23	23	23	23	25	27	29	30	32	33	33	33	34	35	34	33	31	29	27	27	26	25	29
4	25	24	24	23	23	23	25	27	29	31	33	34	35	35	36	35	35	34	33	31	29	28	28	27	29
5	26	26	25	25	25	25	26	28	30	33	37	39	40	40	39	39	38	37	35	33	30	29	28	28	32
6	27	27	27	26	26	26	27	30	33	37	39	39	39	39	39	38	37	36	34	32	30	29	28	27	32
7	26	26	25	25	24	24	25	27	29	31	33	34	34	35	36	36	36	34	32	29	24	23	22	23	29
8	24	24	24	23	23	24	24	26	28	30	32	33	33	33	35	36	36	35	31	29	26	25	24	24	28
9	24	23	23	23	23	23	24	27	31	33	35	36	36	36	37	37	36	35	34	32	30	29	29	28	30
10	28	27	27	26	26	26	27	29	31	32	34	34	35	35	36	36	33	27	26	26	24	24	24	24	29
11	24	24	24	24	23	22	21	20	21	21	19	18	18	19	21	23	23	23	22	21	21	20	20	20	21
12	21	21	21	21	21	21	21	21	22	22	21	21	22	21	22	21	21	21	21	21	21	21	21	21	21
13	21	21	21	20	20	20	19	20	21	22	22	22	23	24	24	23	22	22	22	21	21	21	21	21	21
14	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	21	22	23	23	22	21	21	20	20	21
15	19	19	18	19	19	19	21	24	26	27	27	27	28	28	26	25	26	27	25	23	22	21	20	20	23
16	19	19	18	18	18	18	21	25	28	30	31	32	32	32	32	32	31	29	28	26	24	23	22	21	25
17	21	21	21	21	21	21	23	26	29	31	33	33	33	34	34	33	31	30	29	27	26	25	24	24	27
18	24	23	23	23	23	23	24	26	26	28	30	32	33	34	34	34	33	32	31	29	27	27	26	26	28
19	25	25	24	24	24	24	25	27	29	31	33	34	34	34	35	35	35	34	32	30	29	28	27	27	29
20	26	26	25	25	25	25	25	26	29	32	36	37	38	36	33	29	26	27	26	25	25	25	25	25	28
21	25	25	25	24	24	23	24	26	27	28	31	31	32	31	31	30	30	29	28	27	26	25	25	25	27
22	25	24	24	24	24	24	25	27	30	31	33	35	35	34	35	31	33	32	31	29	28	28	27	27	29
23	26	27	27	26	26	25	26	29	32	34	37	37	35	35	36	35	33	32	30	29	27	26	26	25	30
24	25	25	25	25	25	25	26	29	31	34	35	36	37	37	38	37	31	24	23	23	22	22	22	23	28
25	23	23	23	22	22	22	23	23	23	24	25	27	30	32	33	35	35	33	32	29	28	27	26	26	27
26	25	23	24	23	22	22	24	26	30	32	34	36	36	36	36	35	34	33	31	29	27	26	25	24	29
27	23	23	22	22	21	21	23	28	31	33	35	37	38	37	37	36	35	34	32	29	27	27	26	25	29
28	25	25	24	24	23	23	25	28	30	33	35	36	37	37	37	36	35	33	32	30	29	28	26	24	30
29	23	23	23	23	23	22	24	26	28	30	32	33	33	34	34	35	34	34	32	29	28	27	26	25	28
30	25	25	24	24	23	23	24	27	31	34	35	37	36	36	37	37	37	36	34	31	30	29	28	27	30
31	26	25	25	25	25	25	26	30	33	36	38	39	39	38	38	38	37	36	34	31	30	29	28	28	32
Avg	24	24	23	23	23	23	24	26	28	30	32	33	33	33	33	33	32	31	29	28	26	25	25	24	28
S D	2	2	2	2	2	2	2	3	3	4	5	5	5	5	5	5	5	4	3	3	3	3	2	3	
S/A	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.1	0.12	0.14	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.12	0.12	0.11	0.1	0.1	0.11
Min	19	19	18	18	18	18	19	20	21	21	19	18	18	19	21	21	21	21	21	21	21	20	20	20	21
Max	28	27	27	26	26	26	27	30	33	37	39	39	40	40	39	39	38	37	35	33	30	29	29	28	32

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: 6/1/95

**Wind Speed**  
**Hourly and Daily Averages**  
**Meters/Second**  
**Elizabeth City State Universit - July 1999**

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	2	2	2	3	3	3	4	4	5	5	5	5	6	6	6	6	6	6	4	3	3	3	3	3	4
2	3	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	5	5	3	3	2	3	3	2	3
3	2	3	3	3	3	3	3	4	5	4	3	4	3	4	3	4	3	3	3	3	2	3	3	2	3
4	3	2	2	2	2	2	3	3	4	3	3	4	4	4	4	4	3	3	2	1	2	2	2	2	3
5	2	2	2	2	2	3	3	2	2	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	2
6	1	1	1	1	2	2	2	1	1	1	2	2	3	3	4	4	3	3	2	2	2	3	3	3	2
7	3	3	4	3	3	4	3	5	4	4	4	4	3	3	3	4	4	4	3	4	1	2	3	3	3
8	4	3	3	1	2	3	3	4	4	4	3	4	3	2	1	1	1	3	2	1	2	1	1	2	2
9	2	2	1	1	2	2	2	2	2	2	3	4	4	4	4	4	4	3	2	3	3	3	4	4	3
10	4	4	3	4	3	4	5	5	5	5	5	6	5	5	4	4	3	1	0	2	1	0	0	0	3
11	1	1	3	3	3	3	3	3	3	4	3	2	2	2	3	3	3	3	2	2	2	2	2	2	2
12	2	3	3	2	3	2	2	2	4	3	3	3	3	4	3	3	4	4	4	3	2	2	2	2	3
13	2	2	3	3	3	3	3	3	4	3	2	3	3	3	2	2	3	3	2	2	2	2	2	3	3
14	2	2	2	3	2	1	0	1	2	2	3	3	2	2	2	2	3	3	2	1	1	1	1	0	2
15	0	0	0	0	0	0	1	0	1	1	1	2	1	2	3	3	2	2	2	1	0	0	0	0	1
16	0	0	0	0	0	0	0	0	1	2	2	3	2	3	3	4	4	3	2	2	1	1	1	0	1
17	0	1	2	1	0	0	1	1	2	2	2	3	2	3	3	4	3	3	2	2	1	1	1	1	2
18	2	2	2	1	2	2	2	3	2	2	2	3	3	3	3	4	3	3	3	2	2	2	2	2	2
19	2	2	3	2	2	3	3	4	3	3	3	4	4	4	4	5	4	3	2	2	2	2	2	3	3
20	2	3	3	2	2	2	2	2	2	1	1	1	1	3	3	4	2	1	3	2	2	0	2	2	2
21	2	1	3	2	2	1	2	2	3	3	3	4	4	4	4	4	4	3	3	2	2	2	1	0	2
22	1	1	0	0	0	0	0	1	1	2	2	2	2	2	2	3	2	1	1	1	0	1	0	0	1
23	1	2	2	1	0	1	1	2	2	2	2	3	4	3	3	4	3	2	1	1	1	1	1	1	2
24	1	1	1	1	1	1	2	3	3	3	3	3	3	3	4	3	5	3	4	2	3	3	5	6	3
25	3	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2	2	2	1	1	1	2	2	1	2
26	5	2	2	2	2	2	2	1	1	2	2	2	2	2	3	3	3	2	1	1	0	0	0	0	2
27	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	1	1	1	1	1	2	2	1	1
29	1	0	1	2	1	0	1	2	2	2	2	2	2	2	2	2	3	2	1	0	0	0	0	0	1
30	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	1	1	0	0	1
31	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	1	1	2	2	1
Avg	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
S/D	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	0.68	0.61	0.56	0.58	0.62	0.66	0.59	0.54	0.48	0.44	0.39	0.39	0.42	0.34	0.3	0.31	0.4	0.41	0.49	0.47	0.52	0.58	0.7	0.79	0.36
Min	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
Max	5	4	4	4	3	4	5	5	5	5	5	6	6	6	6	6	6	6	4	4	3	3	5	6	4

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: 6/1/95

**Wind Direction**  
**Hourly and Daily Averages**  
**Degrees**  
**Elizabeth City State Universit - July 1999**

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	126	123	136	110	123	139	126	137	136	125	138	126	134	129	108	134	130	115	126	122	134	132	121	124	127
2	135	116	121	124	124	119	136	140	135	144	143	117	118	136	122	127	114	118	147	136	131	134	128	142	129
3	158	143	156	147	158	156	171	173	181	166	156	156	142	129	129	153	141	136	128	128	135	150	151	153	151
4	158	163	161	154	168	158	171	178	179	179	171	173	170	181	164	167	172	173	170	147	142	152	150	145	167
5	154	163	169	170	167	174	181	198	177	210	272	20	90	91	147	156	148	28	50	58	77	148	133	147	154
6	134	152	160	161	170	184	173	204	212	211	120	114	134	143	122	127	149	126	131	144	130	150	155	141	145
7	141	140	169	152	162	164	175	172	166	175	182	168	172	155	136	113	144	139	187	256	239	125	128	164	161
8	166	170	171	157	158	174	173	192	195	199	222	193	195	224	259	315	328	18	11	9	11	37	145	153	187
9	175	173	187	155	158	149	165	179	160	160	169	163	167	169	158	154	173	150	134	131	144	146	154	163	159
10	174	174	154	161	159	156	177	173	178	181	194	207	180	186	167	160	220	137	50	189	176	254	108	273	177
11	275	258	287	312	312	303	314	322	341	318	314	318	2	321	302	330	342	346	338	321	304	341	323	355	320
12	347	341	22	353	2	334	335	350	0	10	343	349	339	342	334	326	323	338	331	313	293	297	322	292	338
13	285	269	280	273	278	297	299	308	349	328	328	354	349	346	356	337	354	341	336	341	345	357	352	1	326
14	359	2	1	355	357	308	270	278	297	293	313	322	316	290	307	323	315	293	304	300	310	314	329	310	319
15	256	237	297	335	340	267	2	331	321	318	298	303	310	31	64	66	56	68	59	66	41	26	41	69	32
16	278	253	0	270	0	279	289	342	345	319	9	17	51	39	41	51	50	56	51	38	31	63	8	26	35
17	173	199	185	188	177	103	176	184	210	183	157	112	108	125	114	69	65	75	130	142	118	116	100	110	121
18	131	131	125	113	101	117	127	142	150	132	140	141	139	127	133	161	161	165	165	150	152	158	154	157	143
19	163	167	169	164	169	176	188	204	196	185	173	173	173	171	174	178	177	160	161	155	160	160	155	152	173
20	163	164	176	176	177	178	190	184	192	169	163	108	55	131	60	331	110	52	325	2	4	324	14	7	130
21	11	47	45	43	15	12	16	11	27	14	4	358	8	31	42	27	29	27	34	33	31	44	42	328	25
22	318	313	331	320	339	68	87	128	163	187	172	197	157	167	59	80	132	150	131	131	141	157	114	104	146
23	156	169	184	199	206	231	263	285	307	327	327	6	18	356	37	45	47	34	48	18	37	85	84	87	21
24	99	98	81	77	80	75	95	93	120	122	117	135	129	115	109	98	295	30	105	220	136	173	177	187	125
25	199	224	189	176	130	148	166	159	174	180	191	196	164	199	196	205	188	173	165	153	142	147	146	141	175
26	166	138	178	188	204	220	235	237	252	284	262	245	248	254	210	214	215	206	190	195	180	305	310	218	215
27	182	212	281	215	209	231	250	267	263	269	295	237	254	217	176	215	186	176	188	162	169	168	174	176	209
28	186	187	170	167	175	181	182	187	191	190	180	176	175	155	152	164	144	147	147	131	111	177	216	119	171
29	74	88	147	161	173	168	154	168	211	182	152	175	197	219	202	193	193	187	191	168	123	0	154	172	181
30	203	215	219	237	230	228	251	260	242	143	156	177	167	169	139	136	96	74	75	97	107	81	120	166	166
31	0	0	286	227	230	234	249	249	308	342	17	39	73	108	126	104	117	85	68	105	122	104	111	114	98
Avg	159	163	163	158	163	174	177	182	184	183	177	156	144	147	126	125	135	102	112	124	121	137	138	146	148

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: 6/1/95



**Peak Wind Speed**  
**Hourly and Daily Averages**  
**Meters/Second**  
**Elizabeth City State Universit - July 1999**

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	4	4	4	4	5	6	6	6	8	8	7	7	10	9	10	10	10	9	7	6	6	5	5	5	7
2	4	4	4	3	3	3	5	5	6	6	6	6	6	7	7	7	8	8	6	5	4	5	5	4	5
3	4	5	5	5	5	4	5	6	7	6	5	5	5	6	5	6	5	4	5	5	4	5	4	4	5
4	4	4	3	3	3	3	5	5	5	5	5	5	5	6	6	6	6	5	4	3	2	3	3	4	4
5	4	3	3	3	3	4	4	4	4	3	2	3	2	3	3	4	3	2	3	1	2	1	1	2	3
6	2	2	2	2	2	3	3	3	2	2	3	4	5	5	6	6	5	5	4	3	3	4	4	4	4
7	5	5	5	5	5	5	5	7	6	6	6	6	5	5	5	6	6	6	5	7	3	3	4	4	5
8	6	5	4	2	3	4	5	6	6	6	6	5	4	3	2	3	4	3	2	2	1	1	3	4	4
9	2	2	2	2	2	3	4	3	3	4	5	5	6	7	6	7	6	5	4	4	5	5	7	7	4
10	6	6	5	6	5	6	7	7	7	7	8	9	8	8	7	6	6	2	0	4	2	1	0	0	5
11	1	3	4	6	6	5	5	5	5	6	5	3	3	3	4	5	5	4	3	3	3	3	3	3	4
12	3	4	5	3	4	3	3	4	6	5	4	4	5	6	5	6	7	7	7	5	4	4	4	3	5
13	4	4	5	5	5	5	5	6	7	5	4	5	5	5	4	4	5	4	3	4	4	4	4	5	5
14	3	3	4	5	4	2	1	2	3	4	5	4	4	4	4	4	5	4	4	2	2	3	2	0	3
15	0	0	0	0	0	0	2	1	2	2	2	3	2	3	4	5	3	3	2	2	1	1	0	0	2
16	0	0	0	0	0	0	0	1	2	3	3	4	4	4	5	6	5	5	3	3	2	2	1	0	2
17	1	1	2	1	0	0	1	2	3	3	3	4	4	4	5	5	5	4	4	3	2	2	2	2	3
18	3	3	3	2	2	3	3	4	3	4	4	5	5	6	5	6	5	5	4	3	3	4	3	3	4
19	3	3	4	4	4	4	5	5	5	5	5	6	7	7	7	7	7	4	4	3	3	4	4	4	5
20	4	4	4	3	3	3	3	3	3	2	2	2	2	4	5	6	3	2	4	3	3	1	3	3	3
21	3	2	4	4	4	2	3	3	4	5	4	5	5	6	6	5	6	5	5	4	3	3	2	1	4
22	2	1	1	1	1	0	0	2	2	4	4	3	3	4	4	4	3	2	2	1	1	1	1	0	2
23	2	2	2	2	1	2	2	3	4	3	4	4	6	5	5	6	5	3	2	2	2	2	2	2	3
24	2	2	2	2	2	2	3	4	4	4	5	5	5	6	5	9	5	6	3	5	4	7	9	4	4
25	5	3	2	2	2	3	4	4	4	4	4	4	4	3	4	3	3	3	2	2	2	2	3	2	3
26	7	4	2	3	3	3	3	3	3	4	4	4	5	5	5	4	5	3	2	2	1	1	1	1	3
27	0	1	1	0	0	1	1	2	2	2	3	2	3	3	4	4	3	3	2	1	1	1	1	2	2
28	1	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	2	2	2	1	2	4	4	2	3
29	2	1	2	3	2	1	2	4	4	4	4	4	4	4	4	4	4	3	2	1	0	0	0	0	2
30	2	3	3	3	2	2	2	2	2	2	3	3	4	4	4	3	3	2	2	2	1	1	1	1	2
31	0	0	0	1	2	2	2	2	2	2	3	3	3	4	4	4	4	3	2	3	2	3	3	3	2
Avg	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	4	3	3	3	3	3	3	4
S/D	2	2	2	2	2	2	2	2	2	2	1	1	2	1	1	1	2	2	1	1	1	1	2	2	1
S/A	0.64	0.56	0.53	0.56	0.6	0.6	0.52	0.44	0.41	0.38	0.34	0.33	0.37	0.31	0.27	0.29	0.38	0.41	0.49	0.47	0.5	0.53	0.63	0.73	0.34
Min	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	2	2	2	0	1	0	0	0	0	2
Max	7	6	5	6	6	6	7	7	8	8	8	9	10	9	10	10	10	9	7	7	6	5	7	9	7

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: 6/1/95

**Station Pressure**  
**Hourly and Daily Averages**  
**Millibars**  
**Elizabeth City State Universit - July 1999**

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	1016	1016	1016	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1019	1020	1020	1020	1020	1018
2	1019	1018	1018	1018	1019	1020	1021	1021	1021	1021	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020
3	1020	1020	1020	1020	1021	1021	1022	1022	1022	1022	1022	1022	1021	1021	1021	1020	1020	1020	1020	1020	1020	1021	1021	1021	1021
4	1021	1021	1020	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1018	1017	1017	1017	1017	1017	1018	1018	1018	1019
5	1017	1017	1016	1016	1016	1016	1017	1017	1017	1017	1017	1016	1015	1015	1014	1014	1014	1014	1014	1013	1013	1013	1014	1014	1015
6	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1011	1011	1011	1010	1010	1011	1012	1012	1013	1013
7	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1010	1011	1012	1014	1014	1013	1012	1012	1012
8	1012	1012	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1014
9	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1012	1012	1012	1013	1013	1014
10	1013	1012	1012	1011	1011	1011	1012	1012	1012	1012	1012	1011	1011	1010	1010	1009	1009	1010	1010	1011	1011	1011	1012	1012	1011
11	1012	1013	1013	1014	1014	1015	1016	1017	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1018
12	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1016	1016	1016	1016	1016	1016	1015	1015	1018
13	1015	1014	1014	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1017
14	1018	1018	1017	1016	1016	1016	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1020	1019	1020	1020	1020	1020	1018
15	1020	1020	1020	1020	1020	1021	1021	1021	1021	1021	1022	1021	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1021
16	1020	1020	1020	1020	1020	1020	1021	1022	1022	1022	1022	1022	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
17	1020	1020	1020	1020	1020	1021	1021	1022	1022	1022	1022	1021	1021	1021	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020
18	1020	1020	1020	1019	1019	1020	1020	1020	1020	1020	1020	1019	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1019
19	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1016	1015	1015	1014	1014	1014	1013	1013	1013	1014	1014	1014	1014	1015
20	1014	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1015	1014	1014	1013	1014	1013	1014	1014	1014	1015	1015	1015	1015	1014
21	1015	1016	1015	1015	1015	1016	1016	1017	1017	1017	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016
22	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1012	1012	1012	1014
23	1011	1011	1011	1010	1010	1011	1011	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011
24	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011	1011	1009	1008	1008	1010	1010	1012	1012	1010	1008	1009	1010	1010
25	1009	1008	1008	1008	1009	1009	1010	1011	1011	1011	1011	1010	1009	1009	1008	1008	1007	1007	1008	1008	1008	1008	1008	1008	1009
26	1007	1007	1006	1006	1006	1006	1007	1008	1008	1008	1008	1008	1008	1008	1007	1007	1007	1007	1007	1008	1008	1009	1009	1009	1008
27	1009	1009	1009	1009	1009	1009	1010	1011	1011	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1010
28	1011	1011	1011	1011	1011	1011	1012	1012	1012	1013	1012	1012	1011	1011	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1011
29	1009	1008	1008	1007	1007	1007	1007	1007	1007	1007	1007	1006	1006	1006	1005	1005	1004	1004	1004	1004	1004	1005	1004	1004	1006
30	1004	1004	1004	1004	1004	1005	1005	1006	1005	1005	1005	1005	1005	1004	1004	1004	1003	1003	1004	1004	1005	1005	1005	1005	1005
31	1005	1005	1005	1005	1006	1007	1007	1008	1008	1008	1008	1008	1008	1007	1007	1007	1007	1006	1007	1007	1008	1008	1008	1008	1007
Avg	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1014	1014	1014	1014	1014	1014	1014
S D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
Min	1004	1004	1004	1004	1004	1005	1005	1006	1005	1005	1005	1005	1005	1004	1004	1004	1003	1003	1004	1004	1004	1005	1004	1004	1005
Max	1021	1021	1020	1021	1021	1021	1022	1022	1022	1022	1022	1022	1021	1021	1021	1020	1020	1020	1020	1020	1020	1021	1021	1021	1021

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: 6/1/95