

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Universit - August 1998**

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	25	75 ?	?	?	?	?	?	304 ?	421 ?	224 ?	224 ?	?	?	39 ?	0	0	0	0	0	1312 ?
2	0	0	0	0	0	38	87 ?	?	?	?	421	346 ?	514 ?	547 ?	?	337 ?	208 ?	?	60 ?	1	0	0	0	0	2557 ?
3	0	0	0	0	0	15	104 ?	204	313	319 ?	?	?	?	?	?	?	?	?	40 ?	0	0	0	0	0	996 ?
4	0	0	0	0	0	32	109 ?	?	?	?	?	?	?	?	?	?	141 ?	117 ?	52	1	0	0	0	0	452 ?
5	0	0	0	0	0	19	118 ?	?	283 ?	289	361 ?	489 ?	566 ?	403 ?	294 ?	305 ?	281 ?	126	23	0	0	0	0	0	3556 ?
6	0	0	0	0	0	9	74	104	172	293	356	455	439 ?	225	277	380	227	56	14	0	0	0	0	0	3081
7	0	0	0	0	0	14	110	163	276	301	307	273	323	490 ?	?	282 ?	200 ?	73 ?	32	0	0	0	0	0	2844 ?
8	0	0	0	0	0	10	60	137	202	304	392	?	?	470 ?	306 ?	284 ?	194	79 ?	27	0	0	0	0	0	2465 ?
9	0	0	0	0	0	16	95 ?	197 ?	?	?	?	?	?	199 ?	143 ?	332 ?	?	54 ?	11	0	0	0	0	0	1047 ?
10	0	0	0	0	0	26	82 ?	?	181 ?	215 ?	257 ?	228	246 ?	363 ?	366 ?	563 ?	314	8	1	0	0	0	0	0	2850 ?
11	0	0	0	0	0	14	132	296	487	656	831	909	811	743	744	509	329	166	31	0	0	0	0	0	6656
12	0	0	0	0	0	18	92	279	366	664	519	738	783	681	193	364	233	119	24	0	0	0	0	0	5074
13	0	0	0	0	0	12	110	265	345	713	746	927	869	876	675	509	367	176	30	0	0	0	0	0	6621
14	0	0	0	0	0	12	150	360	532	664	832	916	854	840	494	663	382	156	33	0	0	0	0	0	6889
15	0	0	0	0	0	4	49	159	298	266	672	884	837	855	644	523	342	148	29	0	0	0	0	0	5709
16	0	0	0	0	0	15	143	248	371	307	548	426	693	172	22	319	163	22	2	0	0	0	0	0	3453
17	0	0	0	0	0	14	140 ?	329 ?	578 ?	677	772	837	880	829	688	502	370	170	43	0	0	0	0	0	6828
18	0	0	0	0	0	13	133	324	512	667	746	822	715	642	638	511	328	138	20	0	0	0	0	0	6209
19	0	0	0	0	0	9	89	151	413	580	648	875	765	817	771	578	413	181	24	0	0	0	0	0	6314
20	0	0	0	0	0	14	150	359	559	718	744	929	923	841	680	583	384	174	23	0	0	0	0	0	7080
21	0	0	0	0	0	14	109	321	424	746	791	906	930	860	736	581	375	180	28	0	0	0	0	0	7000
22	0	0	0	0	0	11	129	322	519	692	816	878	881	813	692	522	333	140	15	0	0	0	0	0	6764
23	0	0	0	0	0	9	117	296	487	659	784	845	844	784	666	506	315	155	21	0	0	0	0	0	6489
24	0	0	0	0	0	10	67	227	401	661	783	848	854	796	678	518	327	135	11	0	0	0	0	0	6316
25	0	0	0	0	0	10	113	302	512	580	577	659	674	701	614	540	341	120	11	0	0	0	0	0	5753
26	0	0	0	0	0	5	110	211	213	332	264	240	127	57	24	37	26	7	2	0	0	0	0	0	1656
27	0	0	0	0	0	1	16	41	70	119	111	77	103	140	42	39	26	16	3	0	0	0	0	0	806
28	0	0	0	0	0	2	37	109	93	354	689	539	766	845	670	383	272	104	7	0	0	0	0	0	4869
29	0	0	0	0	0	6	94	266	445	606	734	802	782	732	642	467	270	106	8	0	0	0	0	0	5960
30	0	0	0	0	0	4	73	76	251	608	373	457	482	336	378	317	83	83	15	0	0	0	0	0	3535
31	0	0	0	0	0	3	30	90	215	569	737	811	730	310	157	161	117	24	2	0	0	0	0	0	3954
Avg	0	0	0	0	0	13	97	225	353	502	586	658	655	579	461	408	263	108	22	0	0	0	0	0	4358
S D	0	0	0	0	0	8	34	93	144	191	211	262	245	259	250	158	108	56	15	0	0	0	0	0	2184
S/A	0	0	0	0	0	0.64	0.35	0.41	0.41	0.38	0.36	0.4	0.37	0.45	0.54	0.39	0.41	0.52	0.68	2.59	0	0	0	0	0.5
Min	0	0	0	0	0	1	16	41	70	119	111	77	103	57	22	37	26	7	1	0	0	0	0	0	452
Max	0	0	0	0	0	38	150	360	578	746	832	929	930	876	771	663	413	181	60	1	0	0	0	0	7080

Daylight Data Recovery: 0% missing; 18% exceed the 15% QC threshold -- 5039 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:	7.12 uV/Wm-2
Serial Number:	17897F3
Calibration Date:	9/13/96

**Direct Normal Solar Radiation  
Hourly Integrated and Daily Totals  
Watt-Hours per Square Meter  
Elizabeth City State Universit - August 1998**

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	1	5 ?	?	?	?	?	0 ?	1 ?	0 ?	0 ?	?	?	1 ?	0	0	0	0	0	0	8 ?
2	0	0	0	0	0	3	6 ?	?	?	?	0	1 ?	1 ?	1 ?	?	1 ?	0 ?	?	1 ?	0	0	0	0	0	14 ?
3	0	0	0	0	0	0	2 ?	0	0	2 ?	?	?	?	?	?	?	?	1 ?	0	0	0	0	0	0	6 ?
4	0	0	0	0	0	3	11 ?	?	?	?	?	?	?	?	?	?	0 ?	1 ?	1 ?	0	0	0	0	0	15 ?
5	0	0	0	0	0	1	7 ?	?	1 ?	0	1 ?	4 ?	0 ?	1 ?	0 ?	1 ?	1 ?	0	0	0	0	0	0	0	18 ?
6	0	0	0	0	0	0	0	0	0	0	0	2	1 ?	1	3	3	1	0	0	0	0	0	0	0	12
7	0	0	0	0	0	0	1	0	1	1	1	1	2	4 ?	?	3 ?	2 ?	1 ?	1	0	0	0	0	0	17 ?
8	0	0	0	0	0	0	0	0	0	0	1	?	?	0 ?	0 ?	0 ?	1	0 ?	1	0	0	0	0	0	4 ?
9	0	0	0	0	0	1	1 ?	9 ?	?	?	?	?	?	0 ?	0 ?	0 ?	?	0 ?	0	0	0	0	0	0	11 ?
10	0	0	0	0	0	1	3 ?	?	2 ?	8 ?	2 ?	3	1 ?	5 ?	1 ?	596 ?	394	1	0	0	0	0	0	0	1016 ?
11	0	0	0	0	0	7	150	265	340	479	667	681	461	464	591	401	232	156	51	0	0	0	0	0	4945
12	0	0	0	0	0	7	46	210	204	463	188	341	365	264	1 ?	151	58	43	10	0	0	0	0	0	2350
13	0	0	0	0	0	0	78	199	86	429	396	567	577	634	495	451	471	325	75	0	0	0	0	0	4782
14	0	0	0	0	0	32	393	641	642	573	666	654	495	541	173	632	316	284	98	0	0	0	0	0	6140
15	0	0	0	0	0	0	0	8	123	30	270	483	513	606	387	362	351	79	6	0	0	0	0	0	3219
16	0	0	0	0	0	1	28	69	154	41	182	68	346	22	0	94	74	0	0	0	0	0	0	0	1080
17	0	0	0	0	0	16	253 ?	553 ?	660 ?	627	549	610	734	702	579	374	560	416	119	0	0	0	0	0	6751
18	0	0	0	0	0	43	297	497	554	531	411	385	278	244	364	369	299	148	22	0	0	0	0	0	4442
19	0	0	0	0	0	1	6	3	116	249	215	484	333	597	805	689	669	514	126	0	0	0	0	0	4806
20	0	0	0	0	0	73	494	702	789	696	561	702	818	743	584	745	687	499	131	0	0	0	0	0	8224
21	0	0	0	0	0	38	169	368	312	774	718	840	879	848	807	761	657	468	128	0	0	0	0	0	7767
22	0	0	0	0	0	39	355	561	683	750	780	784	769	738	702	630	539	348	65	0	0	0	0	0	7742
23	0	0	0	0	0	14	215	392	521	598	631	619	589	569	546	501	394	260	33	0	0	0	0	0	5884
24	0	0	0	0	0	8	36	180	320	561	607	627	643	644	608	560	473	287	20	0	0	0	0	0	5573
25	0	0	0	0	0	17	211	439	589	471	193	239	267	328	461	687	422	113	7	0	0	0	0	0	4444
26	0	0	0	0	0	0	11	44	8	14	1	2	0	0	0	0	0	2	1	0	0	0	0	0	85
27	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	2	1	0	0	0	0	0	9
28	0	0	0	0	0	0	0	1	2	86	290	62	479	654	564	206	167	122	9	0	0	0	0	0	2642
29	0	0	0	0	0	2	116	276	357	405	447	491	468	470	480	401	262	143	10	0	0	0	0	0	4330
30	0	0	0	0	0	0	10	2	22	192	18	51	51	8	53	53	0	22	4	0	0	0	0	0	486
31	0	0	0	0	0	0	0	1	17	291	456	452	347	37	0	4	3	0	0	0	0	0	0	0	1607
Avg	0	0	0	0	0	10	94	208	241	306	306	352	349	315	304	299	251	151	30	0	0	0	0	0	2853
S D	0	0	0	0	0	17	136	231	261	272	266	291	284	305	293	276	239	172	44	0	0	0	0	0	2789
S/A	0	0	0	0	0	1.71	1.45	1.11	1.08	0.89	0.87	0.83	0.82	0.97	0.96	0.92	0.95	1.14	1.49	0	0	0	0	0	0.98
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Max	0	0	0	0	0	73	494	702	789	774	780	840	879	848	807	761	687	514	131	0	0	0	0	0	8224

Daylight Data Recovery: 0% missing; 18% exceed the 15% QC threshold -- 5039 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: 6.83 uV/Wm-2  
Serial Number: 17828E6  
Calibration Date: 9/13/96

**Diffuse Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Universit - August 1998**

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	18	50 ?	?	?	?	?	?	244 ?	315 ?	198 ?	188 ?	?	?	26 ?	0	0	0	0	0	1039 ?
2	0	0	0	0	0	24	68 ?	?	?	?	374	305 ?	443 ?	458 ?	?	293 ?	192 ?	?	43 ?	0	0	0	0	0	2201 ?
3	0	0	0	0	0	14	94 ?	179	288	261 ?	?	?	?	?	?	?	?	?	18 ?	0	0	0	0	0	853 ?
4	0	0	0	0	0	16	36 ?	?	?	?	?	?	?	?	?	?	127 ?	101 ?	45	0	0	0	0	0	325 ?
5	0	0	0	0	0	17	56 ?	?	228 ?	258	313 ?	420 ?	432 ?	331 ?	265 ?	248 ?	255 ?	111	21	0	0	0	0	0	2955 ?
6	0	0	0	0	0	8	64	90	149	253	308	410	405 ?	194	240	353	208	49	12	0	0	0	0	0	2743
7	0	0	0	0	0	12	99	143	247	263	273	246	287	432 ?	?	197 ?	170 ?	65 ?	24	0	0	0	0	0	2456 ?
8	0	0	0	0	0	9	52	120	177	272	340	?	?	374 ?	240 ?	219 ?	145	67 ?	14	0	0	0	0	0	2028 ?
9	0	0	0	0	0	16	85 ?	174 ?	?	?	?	?	?	162 ?	128 ?	228 ?	?	48 ?	10	0	0	0	0	0	850 ?
10	0	0	0	0	0	23	61 ?	?	153 ?	177 ?	219 ?	199	216 ?	300 ?	291 ?	181 ?	138	7	1	0	0	0	0	0	1965 ?
11	0	0	0	0	0	12	93	190	270	271	232	248	351	308	253	234	213	125	26	0	0	0	0	0	2827
12	0	0	0	0	0	16	77	193	231	304	347	402	422	418	170	259	197	105	22	0	0	0	0	0	3163
13	0	0	0	0	0	10	93	202	290	361	365	365	298	283	269	205	142	86	23	0	0	0	0	0	2992
14	0	0	0	0	0	10	61	84	126	200	226	271	355	330	341	240	225	82	23	0	0	0	0	0	2572
15	0	0	0	0	0	4	43	140	205	222	407	407	324	286	310	267	169	119	25	0	0	0	0	0	2929
16	0	0	0	0	0	14	121	215	273	259	374	338	344	136	19	251	123	19	2	0	0	0	0	0	2488
17	0	0	0	0	0	13	72 ?	109 ?	136 ?	191	285	249	166	179	207	240	111	63	36 ?	0	0	0	0	0	2056
18	0	0	0	0	0	11	71	116	182	264	386	454	449	422	350	273	191	101	18	0	0	0	0	0	3287
19	0	0	0	0	0	8	78	134	335	377	430	390	421	256	121	117	103	51	14	0	0	0	0	0	2833
20	0	0	0	0	0	8	48	68	83	180	242	248	132	157	200	104	73	50	13	0	0	0	0	0	1604
21	0	0	0	0	0	10	71	168	219	155	142	103	92	93	94	97	80	67	19	0	0	0	0	0	1411
22	0	0	0	0	0	8	57	94	113	124	134	142	150	151	141	124	95	58	11	0	0	0	0	0	1401
23	0	0	0	0	0	8	75	142	182	211	237	267	288	277	239	191	142	94	18	0	0	0	0	0	2372
24	0	0	0	0	0	11	60	155	204	240	255	259	247	221	203	169	122	67	9	0	0	0	0	0	2221
25	0	0	0	0	0	9	72	128	167	224	404	422	403	399	243	108	145	92	10	0	0	0	0	0	2827
26	0	0	0	0	0	4	97	193	190	303	231	213	113	51	21	32	23	6	2	0	0	0	0	0	1478
27	0	0	0	0	0	1	15	36	62	106	99	68	91	123	37	35	23	14	2	0	0	0	0	0	713
28	0	0	0	0	0	1	32	95	80	278	421	459	294	257	224	253	192	78	7	0	0	0	0	0	2671
29	0	0	0	0	0	6	72	161	241	307	349	348	339	315	271	223	162	77	7	0	0	0	0	0	2878
30	0	0	0	0	0	4	64	66	213	474	337	381	419	291	322	276	75	76	13	0	0	0	0	0	3011
31	0	0	0	0	0	2	26	78	193	343	338	390	400	257	139	139	104	21	2	0	0	0	0	0	2434
Avg	0	0	0	0	0	10	66	134	194	255	299	308	301	268	205	198	141	68	17	0	0	0	0	0	2180
S D	0	0	0	0	0	6	23	47	67	78	88	106	114	105	91	76	57	33	11	0	0	0	0	0	803
S/A	0	0	0	0	0	0.54	0.34	0.35	0.35	0.3	0.3	0.34	0.38	0.39	0.44	0.38	0.4	0.48	0.67	2.43	0	0	0	0	0.37
Min	0	0	0	0	0	1	15	36	62	106	99	68	91	51	19	32	23	6	1	0	0	0	0	0	325
Max	0	0	0	0	0	24	121	215	335	474	430	459	449	458	350	353	255	125	45	0	0	0	0	0	3287

Daylight Data Recovery: 0% missing; 18% exceed the 15% QC threshold -- 5039 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: 9.38 uV/W/m-2  
Serial Number: 25782F3  
Calibration Date: 9/13/96

**Dry Bulb Temperature  
Hourly and Daily Averages  
Degrees Celsius  
Elizabeth City State Universit - August 1998**

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	22	22	21	21	21	20	21	23	25	26	26	27	27	26	26	26	26	25	24	23	22	22	21	21	24
2	20	19	19	19	19	18	20	23	24	25	25	25	25	25	25	25	24	24	23	23	22	22	21	21	22
3	21	22	22	20	20	20	22	23	24	24	25	25	26	26	25	25	25	24	23	22	21	20	20	19	23
4	19	19	18	18	18	18	20	22	24	25	25	26	26	26	26	26	25	24	23	22	21	20	19	19	22
5	19	19	19	19	19	19	20	22	24	24	25	26	26	26	26	26	26	25	24	23	23	22	22	22	23
6	22	22	22	22	22	22	22	23	24	25	25	26	26	26	26	26	26	25	25	24	24	24	24	24	24
7	24	24	23	23	23	23	24	25	25	26	27	27	27	28	28	28	28	27	26	25	25	25	24	24	25
8	24	24	24	24	24	24	24	25	26	27	27	29	30	30	30	29	28	27	26	26	25	25	25	25	26
9	24	24	24	24	24	24	24	25	27	29	30	31	31	30	29	29	29	28	27	26	25	25	25	25	27
10	24	24	24	24	23	23	24	26	27	29	29	29	30	30	31	30	28	23	23	23	23	23	23	23	26
11	23	23	23	23	23	23	23	24	25	26	27	29	29	29	30	30	30	30	29	27	26	26	25	25	26
12	24	24	24	23	23	23	24	26	27	30	30	31	32	33	29	25	26	26	25	25	25	25	24	26	
13	24	24	24	24	24	23	24	25	26	28	28	28	28	28	28	27	27	27	26	25	24	24	23	24	26
14	24	23	23	22	22	22	23	25	26	27	27	28	28	28	27	27	27	26	25	24	24	23	23	25	
15	23	23	23	23	23	23	23	24	25	25	27	27	27	28	28	28	28	27	26	25	25	25	25	24	25
16	24	24	24	24	24	24	25	26	27	28	29	29	29	29	27	25	26	25	25	25	24	24	24	24	26
17	24	24	24	24	24	24	25	26	28	29	29	30	31	32	32	32	31	31	30	28	27	27	27	26	28
18	26	25	25	25	24	24	24	25	27	30	31	31	31	31	31	32	31	31	29	28	27	27	26	26	28
19	25	25	25	24	24	24	24	24	24	24	24	25	25	25	25	24	23	22	21	20	20	19	19	19	23
20	18	17	17	17	17	17	18	20	22	23	24	25	25	25	25	24	24	23	22	21	21	21	20	19	21
21	17	17	16	15	15	15	16	20	23	25	25	26	27	27	27	27	27	27	25	23	22	21	21	21	22
22	20	20	20	20	19	19	20	21	24	26	28	29	30	31	32	31	31	30	28	27	26	25	24	24	25
23	23	23	22	21	21	21	22	24	26	28	29	31	31	32	31	31	29	28	26	25	25	24	24	26	
24	24	24	24	23	23	23	23	25	26	27	28	29	30	31	31	32	32	30	28	27	26	25	25	25	27
25	24	24	24	24	24	24	24	25	27	29	30	30	30	30	31	31	31	29	28	27	27	26	26	27	27
26	26	25	26	26	27	27	27	28	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27
27	27	27	26	27	27	26	27	26	26	26	26	26	24	24	24	24	24	24	24	24	24	25	24	25	25
28	24	23	22	23	23	23	23	24	24	25	28	28	30	31	32	31	31	29	28	27	26	26	26	26	26
29	26	25	25	25	25	24	25	26	28	29	30	31	32	33	33	33	33	32	31	29	28	28	27	26	29
30	26	26	23	23	23	23	23	24	25	28	29	29	30	30	31	30	28	23	24	24	24	24	24	24	26
31	24	24	25	25	25	25	25	25	26	29	30	31	31	30	28	25	25	26	25	25	25	25	24	24	26
Avg	23	23	23	22	22	22	23	24	25	27	27	28	28	29	28	28	28	27	26	25	24	24	24	24	25
S D	2	3	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2
S/A	0.11	0.11	0.11	0.12	0.12	0.12	0.1	0.07	0.06	0.07	0.07	0.07	0.08	0.09	0.09	0.1	0.1	0.1	0.09	0.08	0.09	0.09	0.1	0.1	0.07
Min	17	17	16	15	15	15	16	20	22	23	24	25	24	24	24	24	23	22	21	20	20	19	19	19	21
Max	27	27	26	27	27	27	27	28	28	30	31	31	32	33	33	33	33	32	31	29	28	28	27	27	29

Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 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 - August 1998**

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	88	89	92	93	96	98	96	88	77	66	64	63	63	65	64	68	66	67	71	73	73	71	69	70	76				
2	77	85	87	87	90	92	85	74	65	62	62	61	59	60	60	62	65	63	69	73	79	84	87	89	74				
3	90	88	88	93	94	93	87	78	76	74	69	67	65	64	64	61	64	66	71	75	78	84	89	92	78				
4	92	92	92	93	95	96	92	84	70	65	61	60	60	57	54	58	59	67	75	82	87	91	93	95	78				
5	94	94	95	95	96	97	95	91	86	84	80	76	78	78	79	78	79	81	85	92	95	96	97	97	88				
6	97	98	99	99	99	99	98	96	92	89	88	85	83	85	87	86	89	93	94	96	97	97	96	94	93				
7	95	96	97	98	99	99	97	94	90	87	87	87	87	84	82	86	87	91	94	97	98	98	99	99	93				
8	99	99	100	100	100	?	100	?	99	96	91	87	84	79	76	74	75	78	82	85	88	94	97	99	100	?	?	87	
9	?	?	?	?	?	?	?	?	99	?	90	78	71	69	69	71	74	75	77	82	87	94	96	98	99	99	60	?	
10	100	?	?	?	?	?	?	?	97	88	79	79	78	76	71	70	71	80	98	99	99	100	100	100	100	?	?	62	?
11	?	?	?	?	?	?	?	100	?	96	90	85	80	72	69	68	65	65	68	73	82	89	92	95	96	96	60	?	
12	97	98	97	97	99	100	?	98	88	80	71	67	64	61	58	75	87	85	89	93	94	95	95	98	98	86	?		
13	100	?	?	?	?	?	?	100	?	96	88	78	73	70	69	68	70	72	79	86	89	93	93	93	93	65	?		
14	92	91	92	96	96	96	90	82	74	72	70	68	67	66	69	68	69	71	75	82	85	88	91	93	93	81	?		
15	95	97	97	98	99	99	98	99	97	95	89	87	83	83	82	81	82	86	89	94	97	98	98	99	99	93	?		
16	100	?	?	?	?	?	?	99	?	95	91	87	79	82	77	77	88	99	?	95	98	99	98	100	?	?	?	65	?
17	?	?	?	?	?	?	?	100	?	96	86	80	80	78	71	67	65	66	68	70	74	78	82	90	93	94	60	?	
18	94	96	96	96	96	97	96	93	82	68	63	62	63	63	67	64	65	68	74	79	82	86	89	92	81	?			
19	94	92	92	93	93	91	89	87	70	67	70	66	66	63	60	59	60	62	64	71	76	77	79	83	76	?			
20	87	91	89	84	82	81	80	73	68	63	58	54	53	53	55	57	58	59	64	69	69	75	81	84	70	?			
21	93	95	95	98	99	98	97	84	64	51	51	50	49	50	54	55	54	51	57	62	65	79	86	87	72	?			
22	90	94	94	95	97	98	94	80	81	68	60	53	48	46	46	51	50	49	55	69	75	77	79	79	72	?			
23	78	80	82	86	89	89	87	81	73	68	62	54	48	48	49	57	58	62	71	78	81	83	86	89	72	?			
24	92	92	91	93	96	96	96	91	85	76	73	71	67	64	63	60	61	66	72	79	83	89	91	91	81	?			
25	93	96	97	97	98	98	98	93	83	75	70	69	71	65	65	62	65	70	77	74	83	85	88	81	81	?			
26	87	91	93	91	91	92	93	90	91	89	89	87	87	89	93	91	91	95	94	90	90	88	87	88	90	?			
27	90	90	97	94	93	93	89	94	96	97	95	94	97	98	100	99	100	100	?	100	99	99	100	96	90	96	?		
28	93	97	97	93	93	93	95	93	96	91	78	74	70	64	61	64	69	82	87	95	96	96	97	94	86	?			
29	93	95	96	96	96	98	98	94	88	82	78	75	71	68	64	65	66	71	77	89	94	94	90	92	85	?			
30	89	89	97	98	98	99	100	99	98	89	84	83	78	78	76	79	89	98	?	97	99	?	100	?	?	?	80	?	
31	?	?	?	?	?	?	?	?	?	98	?	87	82	76	76	76	87	92	92	97	97	97	96	98	100	?	59	?	
Avg	92	93	94	94	95	96	94	90	84	78	74	71	69	68	69	71	73	76	81	85	88	90	91	91	77	?			
S D	6	4	4	4	4	4	5	7	10	11	11	11	11	12	12	13	13	14	13	11	10	8	7	7	11	?			
S/A	0.06	0.05	0.04	0.04	0.04	0.04	0.05	0.08	0.12	0.14	0.14	0.16	0.16	0.17	0.18	0.18	0.18	0.19	0.16	0.13	0.11	0.09	0.08	0.07	0.14	?			
Min	77	80	82	84	82	81	80	73	64	51	51	50	48	46	46	51	50	49	55	62	65	71	69	70	59	?			
Max	100	99	100	100	100	100	100	99	98	97	95	94	97	98	100	99	100	100	100	99	100	100	100	100	100	96	?		

Data Recovery: 0% missing; 8% exceed the 15% QC threshold -- 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

**Dry Bulb Temperature (CR10)**  
**Hourly and Daily Averages**  
**Degrees Celsius**  
**Elizabeth City State Universit - August 1998**

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	22	22	21	21	21	20	21	23	26	28	29	30	30	29	29	29	28	27	26	24	22	21	20	20	24
2	19	18	17	18	17	17	19	22	25	26	27	28	28	28	28	28	27	26	25	24	22	21	21	20	23
3	20	21	21	20	19	19	20	23	24	25	27	28	28	28	28	28	28	27	25	23	21	20	19	18	23
4	17	17	17	17	17	17	19	22	25	27	28	28	28	28	29	29	27	26	24	22	20	19	18	18	22
5	18	18	18	18	18	18	20	22	25	25	26	28	29	30	29	29	29	27	25	23	22	22	21	22	23
6	22	22	22	22	22	22	22	23	24	25	26	27	29	28	27	28	28	26	25	25	24	24	24	24	25
7	24	24	23	23	23	23	24	25	26	27	28	28	28	29	31	32	31	30	28	26	25	25	25	24	26
8	24	24	24	24	24	24	24	25	26	28	29	32	33	34	34	32	30	29	28	26	25	24	24	24	27
9	24	23	23	23	23	23	24	26	29	32	35	36	36	35	32	32	32	31	28	26	25	24	24	24	28
10	24	24	23	23	23	23	24	27	30	32	32	32	32	33	34	34	32	26	23	23	22	22	22	22	27
11	23	23	23	22	22	23	23	25	27	29	31	33	34	33	33	33	33	32	30	28	26	25	24	24	27
12	23	23	23	23	22	22	22	25	28	32	34	35	36	37	34	27	27	26	25	24	24	24	24	24	27
13	23	23	23	23	23	23	23	25	27	29	31	32	32	32	32	31	30	29	27	25	24	23	23	22	27
14	22	22	22	21	21	21	22	25	28	29	30	31	32	31	31	31	30	29	27	25	24	23	23	22	26
15	23	22	22	22	23	23	23	23	25	26	28	31	31	31	32	32	31	30	28	26	25	24	24	24	26
16	23	23	23	23	23	23	24	26	28	30	31	32	32	32	29	26	27	26	25	25	24	23	23	23	26
17	23	23	24	24	24	24	24	27	30	32	33	33	33	34	34	34	34	33	32	29	28	27	26	26	29
18	26	25	25	24	24	23	24	26	29	33	35	36	36	36	35	35	34	33	31	28	27	26	26	25	29
19	25	24	24	24	23	23	24	24	25	26	27	28	28	28	28	28	27	25	22	20	18	18	18	17	24
20	16	16	15	15	15	15	17	20	23	25	26	27	28	28	28	28	27	26	24	21	19	19	17	17	21
21	15	15	14	14	13	13	14	18	23	26	29	30	31	30	31	31	31	29	27	24	22	21	20	19	22
22	19	19	19	19	18	18	19	22	25	28	31	33	34	34	35	35	34	33	30	27	26	24	24	23	26
23	23	22	22	21	20	20	21	24	27	30	32	34	34	34	35	34	33	32	30	27	26	25	24	24	27
24	23	23	23	23	23	22	23	24	26	29	31	32	33	34	34	34	34	33	30	27	26	25	24	24	28
25	24	23	23	23	23	23	24	26	28	31	33	33	33	32	34	34	34	32	29	28	27	26	26	26	28
26	26	25	25	26	26	26	27	28	29	29	29	30	29	29	27	27	27	26	26	26	27	27	27	27	27
27	26	26	26	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	23	25
28	24	23	22	21	22	23	23	23	24	25	28	30	31	32	34	34	33	30	29	27	26	25	25	25	27
29	25	25	25	25	24	24	24	26	29	31	33	34	35	35	35	36	35	34	32	30	29	28	27	26	29
30	26	26	24	23	23	22	23	24	25	29	32	32	34	34	34	34	31	25	24	24	23	23	23	23	27
31	23	24	24	25	25	25	25	25	26	30	33	35	36	34	32	27	25	26	25	25	24	24	24	23	27
Avg	22	22	22	22	22	22	22	24	26	28	30	31	31	31	31	31	30	29	27	25	24	23	23	23	26
S/D	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	2	2	2	3	3	3	2
S/A	0.13	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.08	0.09	0.09	0.09	0.09	0.1	0.09	0.1	0.1	0.1	0.1	0.09	0.1	0.11	0.1	0.12	0.08
Min	15	15	14	14	13	13	14	18	23	25	25	25	24	24	24	24	24	24	22	20	18	18	17	17	21
Max	26	26	26	26	26	26	27	28	30	33	35	36	36	37	35	36	35	34	32	30	29	28	27	27	29

Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 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 - August 1998**

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	3	2	2	2	3	2	3	4	5	5	4	4	4	4	4	4	4	3	3	2	2	2	1	3
2	1	0	1	1	1	0	1	2	5	6	5	5	5	6	5	5	5	4	4	2	2	1	2	2	3
3	2	3	2	2	2	2	2	4	4	4	5	5	5	5	5	5	4	5	3	2	2	1	0	0	3
4	1	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	3	2	1	1	1	1	1	1	3
5	2	2	1	2	2	2	3	3	3	3	3	4	4	4	4	4	3	3	3	2	1	1	2	1	3
6	1	1	1	1	1	2	1	2	3	3	4	3	4	4	4	4	4	3	2	2	2	2	2	1	2
7	1	1	1	1	1	2	2	3	3	3	2	2	3	3	3	3	3	3	2	2	3	2	2	2	2
8	1	0	0	0	0	0	0	1	1	2	1	2	3	3	3	3	3	3	2	1	1	1	0	0	1
9	0	0	0	0	1	0	0	1	1	2	2	2	3	3	3	3	4	3	2	2	1	0	0	0	1
10	0	0	0	0	0	0	0	1	1	1	1	0	1	2	2	4	5	4	2	0	0	1	0	0	1
11	1	2	0	0	1	1	1	2	2	2	2	1	2	3	3	2	2	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	1	0	0	1	1	1	1	1	3	4	1	0	0	0	0	1	0	1	1
13	1	1	1	1	1	1	1	2	3	3	4	4	4	4	4	4	3	3	3	3	2	1	1	2	2
14	2	1	1	1	1	1	2	2	3	4	4	4	4	4	4	5	4	3	3	1	1	1	1	1	2
15	1	1	1	1	1	2	2	2	2	2	3	4	3	3	3	3	3	3	2	1	1	0	0	0	2
16	0	0	0	0	0	0	1	1	2	1	1	2	3	3	3	2	2	2	1	1	0	0	0	0	1
17	0	0	0	0	0	1	1	2	2	3	3	4	4	4	4	4	4	3	2	1	2	2	2	3	2
18	2	2	2	2	1	1	2	2	1	1	1	1	2	2	3	3	2	2	1	1	0	1	1	1	2
19	2	1	1	1	1	2	3	3	4	4	4	4	4	4	4	4	4	4	2	1	1	1	1	1	2
20	0	0	1	1	1	1	1	2	3	4	4	3	3	3	3	3	3	3	3	1	1	1	0	0	2
21	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	0	1
22	0	0	2	1	1	1	1	2	2	2	2	1	2	1	1	2	2	1	1	1	2	1	2	2	1
23	2	2	1	0	0	1	1	1	2	2	2	2	3	3	3	4	3	3	3	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	3	4	3	4	3	3	4	3	3	3	2	2	2	2	2	2	3
25	2	1	2	2	2	2	2	2	2	1	1	3	6	3	3	2	3	3	1	2	1	2	3	4	2
26	2	1	3	4	5	3	3	4	4	4	4	4	4	4	3	4	5	5	5	6	6	7	7	8	4
27	9	10	10	8	8	10	10	9	10	11	10	11	10	11	10	10	8	6	7	7	8	8	12	8	9
28	6	6	7	7	6	5	4	4	5	5	5	5	5	4	4	3	2	0	0	0	0	0	0	1	3
29	1	2	2	1	1	1	1	3	4	4	3	3	3	4	4	3	3	2	1	2	2	2	2	1	2
30	1	1	2	3	2	1	0	0	1	0	0	1	1	1	1	2	4	3	1	0	0	0	0	0	1
31	0	0	0	1	0	0	1	1	1	1	1	2	2	2	3	1	1	0	0	0	0	0	0	0	1
Avg	1	1	2	2	1	2	2	2	3	3	3	3	3	3	3	4	3	3	2	2	1	1	2	1	2
S/D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2
S/A	1.33	1.37	1.26	1.21	1.17	1.17	1	0.71	0.71	0.72	0.68	0.62	0.54	0.51	0.44	0.41	0.41	0.5	0.64	0.91	1.1	1.23	1.49	1.31	0.68
Min	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1
Max	9	10	10	8	8	10	10	9	10	11	10	11	10	11	10	10	8	6	7	7	8	8	12	8	9

Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 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 - August 1998**

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	308	298	303	296	280	293	312	311	331	6	351	346	341	346	0	13	349	16	346	356	328	332	328	332	338
2	323	270	277	283	278	269	296	323	344	352	337	349	347	359	347	355	353	352	331	335	315	297	292	298	339
3	292	318	309	293	286	294	332	342	333	324	358	354	330	333	325	334	330	336	318	330	310	271	275	267	328
4	285	286	280	295	289	294	295	325	323	339	349	347	337	332	332	328	328	335	346	318	303	293	286	284	323
5	285	287	279	283	288	287	299	304	315	325	317	327	346	347	353	337	327	332	335	335	318	299	303	315	321
6	291	288	293	299	295	289	299	325	340	341	315	332	331	352	341	338	341	336	342	342	342	348	348	330	331
7	316	295	299	309	310	314	338	340	337	333	312	332	1	5	8	359	9	2	13	4	6	1	2	356	348
8	355	353	352	346	351	337	350	352	6	4	9	11	9	5	1	13	22	11	14	1	359	4	357	338	7
9	305	320	306	346	6	348	309	328	352	5	5	17	23	24	26	27	33	27	27	25	17	38	40	48	20
10	74	0	0	0	0	209	97	99	109	113	109	182	174	139	89	73	101	164	195	169	88	134	158	135	120
11	149	158	168	184	186	176	208	209	200	196	172	181	177	171	194	214	188	199	181	341	0	103	88	205	188
12	171	232	226	0	174	268	238	265	256	204	172	177	226	279	25	18	80	91	5	37	0	351	339	299	1
13	299	320	320	328	294	308	339	0	352	11	359	9	341	8	358	12	2	9	11	24	14	357	337	4	359
14	355	2	325	301	294	335	341	14	10	4	23	20	26	29	20	30	24	17	24	358	350	334	346	336	12
15	331	315	328	338	311	343	325	326	330	354	327	8	355	345	5	353	13	4	5	356	24	29	32	0	351
16	302	327	329	352	350	27	11	25	29	80	153	10	3	18	335	18	22	19	50	155	194	109	159	140	22
17	137	153	157	168	148	148	152	163	154	147	152	154	168	154	160	163	168	163	163	142	169	147	143	156	157
18	172	155	165	175	186	205	222	240	267	262	274	163	185	173	166	173	167	169	155	165	180	162	168	167	182
19	167	195	212	233	285	312	313	307	294	305	292	292	294	315	318	312	315	317	329	324	295	290	282	281	302
20	269	252	288	261	268	274	276	294	298	329	330	337	353	342	358	6	349	15	13	21	19	7	14	18	337
21	0	0	247	258	257	258	279	330	338	353	12	53	13	358	24	26	75	106	89	78	98	115	112	126	50
22	144	178	174	180	191	185	181	184	177	189	176	199	155	180	156	127	129	122	73	81	115	129	135	141	154
23	150	161	169	134	156	162	130	168	151	144	158	159	156	147	122	68	113	106	103	111	121	113	125	120	128
24	136	145	155	142	140	144	146	156	153	134	131	137	131	143	140	117	117	121	122	117	120	121	140	139	135
25	143	132	133	139	143	172	157	161	204	180	148	90	78	121	104	69	61	66	61	64	43	40	43	50	98
26	1	348	16	20	42	29	13	21	22	37	33	15	31	31	18	26	32	31	23	38	34	40	40	45	30
27	51	49	57	41	47	52	50	41	60	51	26	38	24	7	10	355	345	329	321	315	328	304	319	292	17
28	278	263	274	270	238	233	221	213	211	228	226	251	241	207	216	223	223	238	0	0	0	196	127	140	240
29	146	155	158	149	136	142	149	162	163	154	150	140	139	146	162	162	152	160	140	122	118	130	138	184	149
30	324	21	230	80	149	184	228	2	3	11	62	345	300	349	347	6	64	28	85	168	294	42	49	65	44
31	102	142	159	177	154	168	172	210	217	353	48	18	50	60	8	317	280	270	328	0	297	315	263	106	36
Avg	335	311	296	321	300	307	323	331	342	2	356	7	5	10	9	12	20	15	10	13	7	3	360	7	4

Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 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 - August 1998**

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	4	5	4	6	7	7	7	7	7	6	7	7	6	7	5	5	4	3	3	2	5
2	2	1	2	2	2	1	3	4	8	9	8	9	9	9	8	8	7	7	6	5	3	3	3	3	5
3	3	4	4	3	3	3	3	6	7	7	8	8	8	8	7	7	8	6	4	3	2	1	1	1	5
4	2	3	3	3	3	3	3	4	7	7	7	7	7	6	6	6	6	5	3	3	2	2	2	2	4
5	3	3	2	3	3	3	5	5	5	5	6	7	6	6	6	6	6	6	5	3	3	3	3	2	4
6	2	3	2	2	3	3	3	3	4	5	6	5	6	6	6	6	6	5	4	4	4	4	3	2	4
7	3	2	3	3	3	3	3	4	5	5	4	4	4	4	5	5	5	5	4	4	4	3	3	3	4
8	2	1	1	1	1	1	1	2	3	3	2	4	5	5	4	5	5	5	3	3	2	2	1	1	3
9	0	0	1	1	2	1	1	2	2	3	3	4	5	5	4	5	5	4	4	3	3	1	1	1	3
10	0	0	0	0	0	0	0	2	2	2	2	1	3	3	4	6	8	5	3	0	1	1	1	1	2
11	2	3	2	1	2	2	3	4	4	4	3	3	4	5	5	4	4	2	1	0	0	0	0	0	2
12	0	0	0	0	0	0	2	2	1	1	2	2	3	2	5	6	2	1	1	0	0	1	1	2	1
13	2	2	2	2	2	2	2	4	5	5	5	6	6	6	6	6	5	4	4	4	3	2	2	3	4
14	3	2	2	1	1	2	3	3	6	7	6	6	6	7	6	7	7	5	5	3	2	2	2	2	4
15	2	2	2	2	2	3	4	4	3	3	5	5	5	5	5	5	5	4	4	2	2	0	1	0	3
16	0	0	1	1	0	0	2	3	3	2	2	4	4	4	5	4	3	3	3	2	0	1	1	1	2
17	0	1	1	0	1	2	3	3	3	4	5	6	6	6	7	7	6	6	4	3	3	3	4	4	4
18	3	3	3	3	3	3	4	4	3	2	2	3	3	4	5	4	3	4	3	2	1	1	2	1	3
19	2	2	2	2	2	3	5	5	7	7	7	6	6	6	6	6	7	6	4	2	1	2	2	2	4
20	1	1	2	2	2	2	3	4	5	6	6	5	6	6	5	6	5	5	4	2	2	1	1	0	3
21	0	0	0	0	0	0	0	0	0	2	2	3	3	4	4	4	3	3	2	2	1	2	1	1	2
22	1	1	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	2
23	3	2	2	1	1	2	2	3	4	3	3	4	4	5	5	6	6	5	5	4	4	3	4	4	3
24	4	4	3	3	3	3	3	4	5	6	6	6	5	5	6	6	5	6	5	3	4	3	3	3	4
25	3	3	4	4	3	3	3	4	4	3	3	5	9	6	4	4	5	5	2	3	2	3	4	6	4
26	4	2	5	6	7	6	5	6	7	6	7	5	6	6	5	7	8	8	8	10	10	11	11	12	7
27	14	15	15	12	13	14	14	13	16	16	15	16	15	17	16	15	13	10	10	12	12	13	19	14	14
28	11	12	12	12	10	9	7	7	8	9	9	8	9	8	7	6	5	1	0	0	0	0	0	2	6
29	2	3	3	2	3	2	2	4	6	5	5	5	5	6	6	6	4	3	2	3	4	3	4	3	4
30	2	1	5	5	3	2	1	1	1	1	1	1	2	2	2	4	7	4	2	1	0	0	0	1	2
31	1	1	1	2	1	1	2	2	2	2	2	3	4	4	5	3	1	0	0	0	0	1	0	0	2
Avg	3	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	5	5	4	3	3	3	3	3	4
S/D	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2	2	2	2	2	2	3	4	3	2
S/A	1.12	1.17	1.05	1.05	1	0.97	0.8	0.59	0.61	0.61	0.58	0.55	0.47	0.46	0.4	0.38	0.38	0.47	0.59	0.83	0.93	1.02	1.28	1.13	0.6
Min	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	1	0	0	0	0	0	0	0	1
Max	14	15	15	12	13	14	14	13	16	16	15	16	15	17	16	15	13	10	10	12	12	13	19	14	14

Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 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 - August 1998**

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	1017	1017	1017	1018	1018	1019	1020	1020	1021	1021	1022	1022	1021	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022	1020
2	1021	1020	1020	1020	1020	1020	1020	1020	1020	1021	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1020
3	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
4	1017	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1019	1018	1018	1018	1018	1018
5	1018	1018	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019
6	1018	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1018	1019	1018	1018	1017	1017	1017	1018	1018	1018	1018	1018	1018
7	1018	1018	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1020	1019	1019	1019	1019	1019	1019	1020	1020	1021	1021	1019
8	1021	1021	1021	1021	1021	1022	1022	1023	1023	1023	1023	1023	1023	1022	1022	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022
9	1022	1022	1022	1021	1021	1021	1022	1022	1022	1022	1022	1021	1020	1020	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1020
10	1017	1017	1016	1016	1016	1016	1016	1016	1015	1015	1015	1014	1013	1013	1012	1011	1011	1011	1011	1011	1012	1011	1011	1011	1014
11	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1010	1010	1010	1010	1010	1009	1010	1010	1011	1011	1011	1012	1010
12	1012	1012	1012	1012	1012	1013	1013	1014	1014	1015	1015	1015	1015	1014	1014	1014	1014	1015	1015	1015	1016	1016	1017	1017	1014
13	1017	1016	1016	1016	1016	1017	1017	1017	1018	1018	1018	1018	1018	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017
14	1016	1016	1016	1015	1015	1015	1016	1016	1016	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1012	1012	1014
15	1012	1012	1011	1011	1011	1012	1012	1012	1012	1012	1013	1013	1012	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1012
16	1013	1013	1013	1013	1013	1014	1015	1015	1015	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1015
17	1016	1016	1016	1016	1016	1016	1016	1017	1017	1018	1017	1017	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015
18	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1016	1015	1015	1014	1013	1013	1012	1012	1012	1012	1013	1013	1013	1012	1014
19	1012	1012	1012	1012	1013	1014	1015	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018	1019	1019	1019	1019	1020	1016
20	1020	1020	1020	1020	1020	1021	1022	1022	1023	1023	1023	1023	1022	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1022	1022
21	1022	1022	1022	1022	1022	1022	1023	1023	1023	1024	1024	1023	1022	1022	1021	1020	1020	1019	1019	1020	1020	1020	1019	1019	1021
22	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017
23	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1012	1013	1013	1013	1013	1014
24	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012
25	1012	1012	1011	1011	1010	1011	1012	1012	1012	1013	1013	1013	1013	1013	1012	1011	1011	1011	1010	1010	1011	1012	1012	1011	1012
26	1010	1009	1009	1008	1008	1008	1009	1009	1009	1010	1010	1009	1009	1009	1008	1008	1007	1007	1006	1007	1007	1007	1006	1006	1008
27	1004	1003	1004	1004	1004	1003	1003	1003	1001	1002	1001	1000	999	997	995	994	992	992	992	993	994	995	996	997	999
28	998	999	1000	1001	1003	1005	1005	1006	1007	1008	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1011	1011	1011	1011	1007
29	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011	1011	1011	1010	1010	1010	1010	1010	1010	1011	1011	1011	1012	1011
30	1012	1011	1012	1011	1011	1011	1012	1013	1013	1014	1013	1013	1013	1012	1012	1011	1012	1012	1012	1013	1013	1013	1013	1013	1012
31	1013	1012	1012	1012	1012	1012	1013	1012	1012	1012	1012	1012	1012	1011	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1011
Avg	1015	1015	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1015	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015
S/D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	5	5	5	5
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	
Min	998	999	1000	1001	1003	1003	1003	1003	1001	1002	1001	1000	999	997	995	994	992	992	992	993	994	995	996	997	999
Max	1022	1022	1022	1022	1022	1022	1023	1023	1023	1024	1024	1023	1023	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1022	1022

Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 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