

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Universit - December 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	0	0	57	191	343	456	508	499	430	308	146	19	0	0	0	0	0	0	0	2956
2	0	0	0	0	0	0	0	75	209	356	460	508	499	429	307	141	21	0	0	0	0	0	0	0	3006
3	0	0	0	0	0	0	0	61	203	265	432	514	547	346	226	116	13	0	0	0	0	0	0	0	2722
4	0	0	0	0	0	0	0	49	185	325	435	462	430	357	247	71	21	0	0	0	0	0	0	0	2582
5	0	0	0	0	0	0	0	45	177	282	354	346	296	306	234	106	10	0	0	0	0	0	0	0	2156
6	0	0	0	0	0	0	0	43	170	322	427	471	412	399	284	136	19	0	0	0	0	0	0	0	2684
7	0	0	0	0	0	0	0	45	184	333	437	486	479	410	293	139	21	0	0	0	0	0	0	0	2826
8	0	0	0	0	0	0	0	51	165	321	374	332	305	377	207	132	25	0	0	0	0	0	0	0	2290
9	0	0	0	0	0	0	0	3	26	31	86	332	191	301	309	140	15	0	0	0	0	0	0	0	1434
10	0	0	0	0	0	0	0	52	203	346	454	504	490	412	298	148	20	0	0	0	0	0	0	0	2927
11	0	0	0	0	0	0	0	13	30	68	171	291	447	422	318	170	31	0	0	0	0	0	0	0	1960
12	0	0	0	0	0	0	0	10	35	110	309	189	130	140	145	43	4	0	0	0	0	0	0	0	1115
13	0	0	0	0	0	0	0	2	22	70	93	106	103	59	31	25	3	0	0	0	0	0	0	0	513
14	0	0	0	0	0	0	0	27	165	317	391	482	311	365	266	127	23	0	0	0	0	0	0	0	2472
15	0	0	0	0	0	0	0	38	181	336	447	502	493	425	304	98	13	0	0	0	0	0	0	0	2835
16	0	0	0	0	0	0	0	4	30	56	89	107	196	305	279	159	24	0	0	0	0	0	0	0	1249
17	0	0	0	0	0	0	0	35	173	324	430	484	468	166	105	13	3	0	0	0	0	0	0	0	2200
18	0	0	0	0	0	0	0	36	179	335	451	507	503	437	317	159	25	0	0	0	0	0	0	0	2949
19	0	0	0	0	0	0	0	33	123	227	338	251	212	131	42	37	7	0	0	0	0	0	0	0	1401
20	0	0	0	0	0	0	0	15	95	150	195	229	201	236	61	23	3	0	0	0	0	0	0	0	1210
21	0	0	0	0	0	0	0	6	50	97	160	156	165	138	94	47	12	0	0	0	0	0	0	0	924
22	0	0	0	0	0	0	0	6	53	84	228	138	35	56	46	59	26	0	0	0	0	0	0	0	731
23	0	0	0	0	0	0	0	9	76	174	278	134	75	75	34	13	3	0	0	0	0	0	0	0	870
24	0	0	0	0	0	0	0	1	17	43	97	94	65	61	27	18	5	0	0	0	0	0	0	0	427
25	0	0	0	0	0	0	0	9	45	70	131	198	283	271	304	145	25	0	0	0	0	0	0	0	1480
26	0	0	0	0	0	0	0	2	11	24	36	36	67	80	68	56	12	0	0	0	0	0	0	0	392
27	0	0	0	0	0	0	0	48 ?	308 ?	325	437	501	497	442	321	143	25	0	0	0	0	0	0	0	3047
28	0	0	0	0	0	0	0	3	24	41	49	47	83	68	25	23	14	0	0	0	0	0	0	0	378
29	0	0	0	0	0	0	0	10	59	96	92	82	99	151	44	23	7	0	0	0	0	0	0	0	663
30	0	0	0	0	0	0	0	5	13	34	47	132	130	408	295	160	41	0	0	0	0	0	0	0	1265
31	0	0	0	0	0	0	0	9	64	83	118	129	120	121	88	75	25	0	0	0	0	0	0	0	832
Avg	0	0	0	0	0	0	0	26	112	193	274	299	285	269	191	93	17	0	0	0	0	0	0	0	1758
S D	0	0	0	0	0	0	0	22	80	126	156	172	171	141	115	54	9	0	0	0	0	0	0	0	926
S/A	0	0	0	0	0	0	3.83	0.83	0.71	0.65	0.57	0.58	0.6	0.53	0.6	0.58	0.57	0	0	0	0	0	0	0	0.53
Min	0	0	0	0	0	0	0	1	11	24	36	36	35	56	25	13	3	0	0	0	0	0	0	0	378
Max	0	0	0	0	0	0	0	75	308	356	460	514	547	442	321	170	41	0	0	0	0	0	0	0	3047

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3621 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 - December 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	0	0	271	533	700	804	835	841	813	749	570	177	0	0	0	0	0	0	0	6293
2	0	0	0	0	0	0	0	369	688	788	804	816	818	790	719	493	162	0	0	0	0	0	0	0	6448
3	0	0	0	0	0	0	0	291	424	339	630	767	666	202	78	78	1	0	0	0	0	0	0	0	3475
4	0	0	0	0	0	0	0	225	503	617	698	622	527	491	433	121	65	0	0	0	0	0	0	0	4304
5	0	0	0	0	0	0	0	146	412	339	346	154	121	230	323	137	3	0	0	0	0	0	0	0	2210
6	0	0	0	0	0	0	0	136	401	599	705	687	511	672	577	413	102	0	0	0	0	0	0	0	4803
7	0	0	0	0	0	0	0	222	575	718	777	790	789	749	672	489	124	0	0	0	0	0	0	0	5905
8	0	0	0	0	0	0	0	118	359	550	381	229	102	553	367	363	129	0	0	0	0	0	0	0	3153
9	0	0	0	0	0	0	0	0	0	0	1	192	11	254	668	481	75	0	0	0	0	0	0	0	1681
10	0	0	0	0	0	0	0	202	603	785	848	861	840	767	709	542	166	0	0	0	0	0	0	0	6324
11	0	0	0	0	0	0	0	0	0	0	0	23	673	756	758	552	137	0	0	0	0	0	0	0	2899
12	0	0	0	0	0	0	0	7	0	2	123	0	0	0	4	0	0	0	0	0	0	0	0	0	138
13	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
14	0	0	0	0	0	0	0	56	413	606	519	654	220	421	358	156	68	0	0	0	0	0	0	0	3472
15	0	0	0	0	0	0	0	241	646	788	839	856	831	786	683	211	6	0	0	0	0	0	0	0	5887
16	0	0	0	0	0	0	0	0	0	0	0	0	1	226	569	662	271	0	0	0	0	0	0	0	1729
17	0	0	0	0	0	0	0	278	645	764	810	821	643	12	1	0	0	0	0	0	12	0	0	0	3975
18	0	0	0	0	0	0	0	310	703	834	897	913	914	884	819	665	231	0	0	0	0	0	0	0	7171
19	0	0	0	0	0	0	0	20	139	150	234	24	28	2	0	0	6	0	0	0	0	0	0	0	602
20	0	0	0	0	0	0	0	0	1	4	3	10	2	6	0	0	0	0	0	0	0	0	0	0	26
21	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	8	3	0	0	0	0	0	0	0	16
22	0	0	0	0	0	0	0	0	1	2	67	9	0	1	0	1	114	0	0	0	0	0	0	0	195
23	0	0	0	0	0	0	0	0	2	4	58	0	0	0	0	0	0	0	0	0	0	0	0	0	65
24	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
25	0	0	0	0	0	0	0	1	1	2	2	10	92	202	350	155	17	0	0	0	0	0	0	0	831
26	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
27	0	0	0	0	0	0	0	135	633	802	848	864	826	794	589	153	6	0	0	0	0	0	0	0	5649
28	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
29	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
30	0	0	0	0	0	0	0	1	0	0	0	0	1	629	640	612	384	0	0	0	0	0	0	0	2268
31	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	54	0	0	0	0	0	0	0	59
Avg	0	0	0	0	0	0	0	98	248	303	335	327	305	330	325	221	74	0	0	0	0	0	0	0	2567
S/D	0	0	0	0	0	0	0	120	276	341	359	376	357	335	312	243	95	0	0	0	0	0	0	0	2453
S/A	0	0	0	0	0	0	5.48	1.23	1.11	1.12	1.07	1.15	1.17	1.01	0.96	1.1	1.28	0	0	0	0	0	0	0	0.96
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	0
Max	0	0	0	0	0	0	0	369	703	834	897	913	914	884	819	665	384	0	0	0	0	0	0	0	7171

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3621 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 University - December 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	0	0	27	58	67	62	61	57	52	43	31	6	0	0	0	0	0	0	0	466
2	0	0	0	0	0	0	0	23	41	52	69	72	70	64	55	41	10	0	0	0	0	0	0	0	495
3	0	0	0	0	0	0	0	32	107	128	120	104	198	250	197	100	12	0	0	0	0	0	0	0	1248
4	0	0	0	0	0	0	0	26	66	83	97	127	145	124	87	46	16	0	0	0	0	0	0	0	817
5	0	0	0	0	0	0	0	30	81	151	176	258	223	189	120	77	9	0	0	0	0	0	0	0	1316
6	0	0	0	0	0	0	0	31	73	91	88	105	128	88	79	53	12	0	0	0	0	0	0	0	749
7	0	0	0	0	0	0	0	24	49	59	66	70	70	66	58	42	12	0	0	0	0	0	0	0	516
8	0	0	0	0	0	0	0	45	80	113	190	208	245	111	79	58	17	0	0	0	0	0	0	0	1145
9	0	0	0	0	0	0	0	3	26	30	85	225	180	180	74	40	8	0	0	0	0	0	0	0	851
10	0	0	0	0	0	0	0	26	54	58	58	58	59	62	53	42	10	0	0	0	0	0	0	0	478
11	0	0	0	0	0	0	0	13	29	67	167	270	88	77	53	61	21	0	0	0	0	0	0	0	846
12	0	0	0	0	0	0	0	10	35	107	247	186	128	137	138	42	3	0	0	0	0	0	0	0	1032
13	0	0	0	0	0	0	0	2	21	69	91	104	101	58	30	24	3	0	0	0	0	0	0	0	504
14	0	0	0	0	0	0	0	22	73	97	140	140	195	173	141	97	20	0	0	0	0	0	0	0	1098
15	0	0	0	0	0	0	0	19	43	53	60	63	67	65	60	53	12	0	0	0	0	0	0	0	494
16	0	0	0	0	0	0	0	4	30	55	87	106	188	202	91	31	8	0	0	0	0	0	0	0	801
17	0	0	0	0	0	0	0	14	40	55	63	69	137	155	100	13	3	0	0	0	0	0	0	0	649
18	0	0	0	0	0	0	0	13	35	45	48	49	46	42	37	28	9	0	0	0	0	0	0	0	350
19	0	0	0	0	0	0	0	30	99	169	235	239	196	127	41	36	7	0	0	0	0	0	0	0	1180
20	0	0	0	0	0	0	0	15	92	147	191	220	196	228	60	23	3	0	0	0	0	0	0	0	1175
21	0	0	0	0	0	0	0	6	49	95	156	153	161	135	92	45	12	0	0	0	0	0	0	0	905
22	0	0	0	0	0	0	0	6	52	82	195	132	34	55	45	56	21	0	0	0	0	0	0	0	679
23	0	0	0	0	0	0	0	8	73	167	247	130	74	74	34	12	3	0	0	0	0	0	0	0	821
24	0	0	0	0	0	0	0	1	17	42	95	92	64	60	27	18	5	0	0	0	0	0	0	0	420
25	0	0	0	0	0	0	0	9	44	69	128	190	232	177	169	107	23	0	0	0	0	0	0	0	1150
26	0	0	0	0	0	0	0	3	11	24	35	35	65	79	67	55	12	0	0	0	0	0	0	0	385
27	0	0	0	0	0	0	0	26	69	59	57	64	74	80	105	107	24	0	0	0	0	0	0	0	664
28	0	0	0	0	0	0	0	3	24	40	48	46	82	67	25	23	13	0	0	0	0	0	0	0	370
29	0	0	0	0	0	0	0	10	58	94	90	81	97	147	43	23	7	0	0	0	0	0	0	0	649
30	0	0	0	0	0	0	0	5	13	34	46	128	126	119	58	34	12	0	0	0	0	0	0	0	576
31	0	0	0	0	0	0	0	9	63	81	116	127	118	118	86	73	23	0	0	0	0	0	0	0	812
Avg	0	0	0	0	0	0	0	16	52	80	115	126	124	115	76	48	11	0	0	0	0	0	0	0	763
S/D	0	0	0	0	0	0	0	11	25	39	62	66	61	56	41	26	6	0	0	0	0	0	0	0	285
S/A	0	0	0	0	0	0	5.48	0.7	0.48	0.48	0.54	0.53	0.49	0.49	0.55	0.55	0.55	0	0	0	0	0	0	0	0.37
Min	0	0	0	0	0	0	0	1	11	24	35	35	34	42	25	12	3	0	0	0	0	0	0	0	350
Max	0	0	0	0	0	0	0	45	107	169	247	270	245	250	197	107	24	0	0	0	0	0	0	0	1316

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3621 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/Wm-2  
Serial Number: 25782F3  
Calibration Date: 9/13/96

**Dry Bulb Temperature  
Hourly and Daily Averages  
Degrees Celsius**

**Elizabeth City State Universit - December 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	18	18	18	18	18	17	17	17	18	19	20	22	23	23	23	23	21	18	16	15	15	14	13	13	18
2	12	11	10	9	8	7	7	8	12	15	17	18	19	20	21	21	20	18	16	16	16	15	14	14	14
3	14	13	12	11	11	11	11	11	13	15	17	20	21	21	21	22	20	19	19	18	18	17	17	16	16
4	16	15	15	15	14	14	14	13	15	17	19	21	22	23	23	23	22	20	19	18	18	18	17	17	18
5	17	16	15	15	15	14	14	13	15	17	19	21	21	22	22	22	21	20	19	19	18	18	17	17	18
6	17	17	17	16	17	17	16	17	18	20	21	23	24	25	25	25	24	22	21	20	19	19	19	18	20
7	19	19	19	18	18	18	18	18	19	20	22	23	25	25	25	25	24	23	22	21	20	19	19	18	21
8	18	17	17	17	17	17	17	17	18	20	22	23	23	24	24	25	24	23	22	21	21	21	20	20	20
9	19	16	16	16	15	15	13	12	11	10	10	10	10	10	10	10	9	8	8	8	7	7	6	5	11
10	5	5	4	3	2	2	2	3	6	9	11	12	13	14	14	14	12	11	10	9	8	7	7	6	8
11	6	6	7	7	7	7	8	9	9	10	10	11	12	13	13	12	11	10	9	8	8	7	7	6	9
12	6	6	6	5	6	6	7	6	7	8	11	11	11	11	11	11	10	10	10	10	10	11	11	11	9
13	12	11	12	12	12	13	13	12	12	12	12	11	11	11	11	10	10	10	9	9	9	9	8	8	11
14	8	8	8	8	7	7	7	7	7	8	8	8	9	9	8	8	7	6	6	6	6	6	6	5	7
15	5	5	5	5	5	4	5	6	8	11	11	12	12	12	11	10	9	9	9	10	10	10	10	10	8
16	11	11	11	11	11	10	10	11	11	10	10	10	9	9	10	11	11	9	8	8	7	7	7	7	10
17	8	8	8	8	8	7	6	5	6	8	9	11	12	11	9	7	5	4	4	4	4	4	4	3	7
18	3	2	1	1	1	0	0	0	2	4	5	7	8	8	9	9	8	6	5	5	5	5	4	4	4
19	5	5	5	5	5	5	5	6	7	9	12	13	14	15	15	15	15	14	14	15	15	14	14	14	11
20	14	14	14	14	14	14	13	13	14	14	15	15	16	16	16	16	15	14	13	12	12	12	12	12	14
21	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	13	13	12	12	12	13	13	13	14	12
22	14	15	16	17	17	18	18	18	19	19	20	21	20	18	18	17	15	12	10	9	8	7	6	5	15
23	4	3	2	1	1	0	-0	-0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
24	3	3	3	3	3	3	3	2	2	2	2	3	2	2	2	1	1	0	0	0	0	-0	-0	-1	2
25	-1	-1	-1	-0	-0	-0	-0	0	0	0	0	1	1	2	3	3	2	1	1	1	0	0	0	0	1
26	0	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	1	1	-0	-1	-1	-1	-2	1
27	-2	-2	-3	-2	-2	-1	-1	-1	1	4	7	9	9	10	10	10	9	8	7	7	7	7	7	8	4
28	9	9	7	7	7	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6	6	6	5	5	7
29	5	6	6	6	6	6	6	6	6	7	7	7	8	8	8	8	8	7	7	7	6	5	5	5	6
30	5	5	5	5	5	5	5	5	6	5	5	3	1	2	3	3	2	1	0	-1	-1	-2	-3	-3	2
31	-4	-3	-4	-4	-4	-3	-3	-2	-2	-1	-0	0	0	1	1	1	1	1	-0	-1	-1	-2	-1	-1	-1
Avg	9	9	8	8	8	8	8	8	9	10	11	12	12	13	13	12	12	11	10	9	9	9	9	8	10
S/D	6	6	6	6	6	6	6	6	6	6	7	7	7	7	8	8	7	7	7	7	7	7	6	6	6
S/A	0.72	0.72	0.74	0.76	0.77	0.76	0.76	0.73	0.68	0.63	0.6	0.61	0.6	0.59	0.6	0.61	0.63	0.66	0.68	0.7	0.72	0.74	0.76	0.77	0.64
Min	-4	-3	-4	-4	-4	-3	-3	-2	-2	-1	-0	0	0	1	1	1	1	0	-0	-1	-1	-2	-3	-3	-1
Max	19	19	19	18	18	18	18	18	19	20	22	23	25	25	25	25	24	23	22	21	21	21	20	20	21

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 - December 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	92	93	94	94	96	99	100	97	89	76	65	55	46	41	38	38	46	54	57	59	63	70	74	75	71
2	79	85	90	95	98	99	98	97	80	71	55	36	40	44	45	48	52	60	68	72	75	79	82	80	72
3	80	85	88	93	91	89	86	86	78	70	63	59	53	49	50	51	55	61	64	66	69	72	72	72	71
4	76	77	78	79	81	83	84	85	80	73	67	60	57	56	55	57	62	71	74	76	76	77	78	78	72
5	79	82	85	86	86	86	89	89	85	78	69	61	59	56	53	51	57	61	65	67	70	76	81	83	73
6	86	90	93	95	96	97	98	97	93	86	79	71	64	61	60	61	65	69	74	77	81	84	85	86	81
7	86	87	89	91	93	95	97	96	88	79	72	68	63	60	58	59	63	68	71	75	80	83	87	91	79
8	94	96	97	97	98	98	98	98	96	90	82	78	77	71	69	67	68	70	77	82	82	82	83	85	85
9	90	98	99	99	99 ?	?	100 ?	98	96	94	90	83	81	74	65	64	69	73	76	76	79	76	79	84	81
10	86	89	92	97	98	97	97	94	79	67	63	62	57	54	53	55	67	77	80	85	90	95	95	94	80
11	94	95	95	93	92	88	80	73	72	69	60	49	44	38	38	44	49	55	59	63	58	56	57	62	66
12	68	72	74	75	75	72	72	77	78	77	68	66	66	65	66	68	71	74	76	79	80	83	84	87	74
13	93	99	100 ?	?	?	?	?	?	?	?	?	?	?	?	?	100 ?	?	?	?	100 ?	?	?	100 ?	99	29 ?
14	93	81	83	79	80	73	73	75	74	73	72	69	67	65	64	65	66	68	68	68	69	69	69	69	72
15	67	69	74	76	77	78	79	79	76	75	73	72	72	72	74	78	84	88	90	91	93	93	95	96	80
16	97	98	97	97	98	99	100	98	97	94	96	98	98	85	69	61	63	69	72	72	72	73	72	76	85
17	77	81	80	78	76	74	78	79	76	70	64	60	55	56	68	81	95	97	97	97	92	87	81	77	78
18	75	76	75	75	77	78	79	77	70	61	54	42	36	34	35	38	47	53	55	60	63	65	67	59	79
19	69	69	71	74	75	76	75	76	76	77	75	74	72	70	71	74	76	81	86	87	91	95	98	99	79
20	?	?	?	?	?	?	?	?	?	?	?	99 ?	94	90	89	91	95	99 ?	?	?	?	?	?	?	27 ?
21	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	100 ?	99	100 ?	?	?	99 ?	?	?	?	17 ?
22	?	?	?	?	?	100 ?	99	98	97	95	94	86	84	79	62	46	43	73	71	71	67	58	55	51	59 ?
23	51	56	59	63	65	66	66	66	67	69	69	71	75	79	84	93	98	100 ?	?	?	?	?	?	?	54 ?
24	?	?	?	?	?	?	?	?	?	100 ?	100	98	98	98	99	99	99	99	99	100	100	100	98	97	62 ?
25	99	95	93	92	98	96	95	92	85	80	76	78	77	80	79	76	78	83	80	76	79	84	85	85	85
26	84	84	87	89	90	91	96	100 ?	?	?	?	?	?	100 ?	98	95	96	97	97	97	98	98	99	100	75 ?
27	100 ?	?	?	?	?	?	99 ?	97	90	81	72	65	61	61	61	63	70	77	81	85	88	92	95	97	64 ?
28	98	98	98	99	100 ?	?	100 ?	100 ?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	29 ?
29	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
30	?	99	99	99	97	98	98	97	97	98	98	98	93	59	45	41	39	38	39	45	52	62	64	65	72
31	70	71	76	79	80	71	74	76	71	67	62	60	61	61	63	61	63	69	74	75	79	82	81	78	71
Avg	83	85	87	87	88	87	89	88	83	79	73	70	67	65	63	66	69	74	74	77	79	79	81	82	67
S D	12	11	11	10	10	11	11	10	9	11	13	16	17	17	17	19	18	16	14	13	13	12	13	13	18
S/A	0.14	0.13	0.12	0.12	0.11	0.13	0.12	0.12	0.11	0.14	0.17	0.24	0.25	0.26	0.26	0.29	0.27	0.22	0.19	0.17	0.16	0.15	0.15	0.15	0.27
Min	51	56	59	63	65	66	66	66	67	61	54	36	36	34	34	35	38	38	39	45	52	56	55	51	17
Max	100	99	100	99	100	100	100	100	97	100	100	99	98	100	99	100	99	100	99	100	100	100	100	100	85

Data Recovery: 0% missing; 19% 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 - December 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	17	17	17	18	18	17	16	16	18	20	22	24	25	25	25	24	22	18	16	14	13	12	11	10	18
2	9	8	7	7	6	5	5	6	10	14	18	20	21	22	22	22	20	17	15	14	14	14	13	12	13
3	12	11	10	10	10	10	9	10	13	15	18	20	22	23	22	22	21	19	18	17	17	16	16	15	16
4	15	14	14	14	13	13	12	13	15	17	20	23	24	25	25	23	22	19	18	17	16	16	16	16	17
5	15	15	14	14	13	13	13	13	15	17	19	22	22	23	23	23	22	20	19	19	18	17	17	16	17
6	16	16	16	16	16	16	16	16	18	20	23	25	26	27	27	26	25	22	21	19	18	18	18	17	20
7	17	18	18	17	17	17	17	17	19	21	23	25	26	27	27	27	25	23	22	21	20	19	18	17	21
8	17	17	16	16	16	16	16	16	18	20	23	24	24	25	25	25	25	23	21	21	21	21	20	20	20
9	19	17	16	16	16	15	14	12	11	11	10	11	11	11	12	11	10	8	6	5	5	5	4	3	11
10	3	2	2	1	0	0	-0	0	4	9	12	15	16	17	17	16	14	10	8	7	6	5	5	4	7
11	4	5	5	6	6	7	7	8	8	9	10	11	13	14	15	14	12	10	8	6	6	6	5	8	8
12	4	4	3	4	4	5	5	6	6	7	10	12	12	12	12	12	11	10	10	10	10	10	11	11	8
13	11	11	11	11	12	12	12	13	12	12	13	12	12	12	11	10	10	9	9	9	9	9	8	8	11
14	7	8	8	7	6	6	6	5	7	9	10	11	11	10	10	9	8	7	6	6	6	6	5	7	7
15	5	5	5	5	5	3	3	3	6	9	12	13	14	15	14	13	11	9	9	9	9	9	10	9	9
16	10	10	11	10	10	10	10	10	10	10	10	10	10	11	12	11	11	8	6	5	5	5	4	5	9
17	5	5	5	5	5	5	4	4	6	9	11	13	14	13	11	9	6	4	4	3	3	2	2	6	6
18	1	0	-0	-1	-1	-1	-2	-1	2	4	7	9	10	11	11	10	8	5	3	2	2	2	2	3	3
19	3	3	3	3	3	3	3	3	6	8	11	13	14	15	15	15	15	15	14	14	14	14	14	14	10
20	14	14	14	14	14	14	14	13	14	15	16	17	18	18	18	17	16	15	13	12	12	12	12	12	14
21	12	11	11	11	11	11	11	11	11	12	12	13	13	14	13	14	13	13	12	11	12	12	12	13	12
22	13	14	15	15	16	17	17	18	18	19	19	21	20	18	18	17	16	13	10	8	7	7	6	5	14
23	4	3	2	1	-0	-1	-1	-1	-0	0	2	2	2	1	1	1	0	0	1	1	2	2	2	1	1
24	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	0	-0	-0	-0	-0	-1	2	2
25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0	1	1	2	3	2	1	0	-0	-0	-1	-1	-1	-0
26	-0	0	0	1	1	1	1	1	1	2	2	2	3	3	2	2	2	1	-0	-1	-2	-3	-3	-4	0
27	-4	-5	-5	-5	-4	-4	-3	-3	-0	3	8	10	12	12	12	11	9	7	6	6	6	6	7	4	4
28	7	8	8	7	7	6	6	6	6	7	7	7	7	8	7	7	7	7	6	6	6	6	5	5	7
29	5	5	5	5	6	6	5	6	6	7	7	8	8	9	9	8	8	8	7	7	7	6	6	5	7
30	5	5	5	5	5	5	5	5	5	5	4	2	2	3	4	4	3	1	-1	-2	-4	-5	-6	-2	2
31	-7	-7	-7	-7	-6	-5	-4	-4	-3	-2	-1	0	1	2	2	2	1	-0	-3	-3	-4	-4	-4	-4	-3
Avg	8	8	7	7	7	7	7	7	8	10	12	13	13	14	14	13	12	10	9	9	8	8	8	7	9
S/D	7	7	7	7	7	6	6	6	6	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7	6
S/A	0.86	0.87	0.88	0.9	0.91	0.9	0.89	0.87	0.74	0.66	0.61	0.59	0.58	0.58	0.57	0.59	0.62	0.69	0.75	0.8	0.84	0.88	0.9	0.93	0.68
Min	-7	-7	-7	-7	-6	-5	-4	-4	-3	-2	-1	-0	1	1	1	1	0	-0	-3	-3	-4	-5	-6	-6	-3
Max	19	18	18	18	18	17	17	18	19	21	23	25	26	27	27	27	25	23	22	21	21	21	20	20	21

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 - December 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	2	3	3	3	2	3	2	3	3	4	3	3	3	2	2	2	2	1	1	1	1	0	1	2
2	0	0	0	0	0	0	0	0	0	1	2	3	2	3	2	2	1	0	0	1	1	1	1	1	1
3	1	0	1	1	1	1	1	2	2	3	4	5	6	5	4	2	2	3	2	2	3	3	2	2	2
4	2	2	2	3	2	1	1	2	2	3	2	2	2	2	2	1	0	0	0	0	0	1	1	1	2
5	1	0	0	1	1	1	1	0	1	2	1	1	2	3	3	2	1	1	1	1	1	2	2	2	1
6	1	2	1	2	2	2	2	3	3	3	3	3	3	3	4	3	1	1	1	1	1	1	2	2	2
7	3	3	3	3	3	3	3	3	4	5	5	6	6	7	6	4	3	2	2	1	2	2	2	1	3
8	2	1	1	1	2	2	2	2	2	3	4	4	4	5	3	4	2	2	2	2	2	3	2	1	2
9	2	2	2	2	2	3	5	6	6	7	6	6	6	5	4	3	2	1	1	1	1	1	1	0	3
10	1	1	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	1	2	2	2	3	4	3	3	3	3	2	1	1	1	2	1	1	0	2
12	0	1	1	0	0	0	0	0	0	1	2	1	2	1	2	2	1	1	1	2	2	3	3	3	1
13	2	2	3	3	2	1	0	0	0	0	2	2	1	1	2	2	2	1	2	4	3	4	4	5	2
14	4	3	2	3	2	3	3	4	5	5	6	5	5	4	5	5	4	4	3	3	3	3	3	4	4
15	3	3	2	2	2	2	2	3	2	2	4	4	4	4	4	4	3	2	1	3	2	2	3	3	3
16	3	4	6	5	5	5	6	7	6	7	5	4	4	4	3	3	2	1	1	2	2	1	2	2	4
17	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	3	3	3	2	2	3	3	3
18	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	0	0	0	1	1	1	1	1	2
19	1	1	0	0	0	0	1	2	3	3	4	3	2	2	2	2	1	1	1	1	1	1	0	0	1
20	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	0	0	0	0	0	0	0
21	0	0	0	0	1	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	2	2	2	3	1
22	3	3	3	3	4	4	4	5	6	6	5	6	5	3	4	3	3	2	3	3	3	5	5	5	4
23	5	5	5	4	4	3	4	4	4	4	4	5	4	3	3	3	3	4	3	3	3	1	2	2	4
24	2	3	3	2	1	1	3	2	2	2	2	3	4	4	3	3	4	3	2	2	2	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	2	1	2	2	2	2	3	3	1
26	3	3	2	2	3	2	1	1	1	1	2	1	2	1	2	1	1	1	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	2	1	0	1	1	1	0	0	0	1
28	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	1	0	1
29	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	3	1
30	3	3	2	1	3	4	3	3	3	3	5	4	3	4	5	4	4	3	2	1	0	0	0	0	3
31	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
Avg	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	1	2	2	1	2	2	2
S/D	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
S/A	0.8	0.83	0.93	0.91	0.77	0.84	0.93	0.94	0.86	0.8	0.62	0.58	0.56	0.5	0.49	0.54	0.61	0.67	0.63	0.67	0.65	0.78	0.83	0.89	0.54
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	0
Max	5	5	6	5	5	5	6	7	6	7	6	6	6	7	6	5	4	4	3	4	3	5	5	5	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: 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 - December 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	149	153	150	163	169	163	174	195	200	210	216	206	239	271	267	281	351	354	356	10	9	23	2	348	203
2	350	308	281	277	270	274	272	317	30	43	69	103	99	152	138	157	126	134	125	134	148	143	146	161	122
3	168	147	157	152	161	152	151	172	162	167	170	189	178	174	187	197	163	172	167	171	173	165	172	162	172
4	174	170	178	179	183	193	175	171	180	186	195	211	214	185	201	166	138	141	147	137	158	163	170	177	183
5	189	187	184	173	190	191	192	168	168	192	189	158	173	177	169	137	127	125	110	121	119	133	135	129	159
6	136	146	152	170	174	168	170	177	176	181	180	203	190	191	159	167	161	131	139	127	131	130	139	149	167
7	164	164	162	163	172	168	156	157	164	169	174	174	170	172	172	167	144	139	128	132	131	135	142	164	
8	141	145	138	136	137	139	139	131	141	155	176	170	160	153	161	154	154	125	125	124	119	140	134	167	149
9	290	330	19	27	284	315	285	287	287	283	288	291	296	288	309	303	303	316	323	297	281	293	259	251	298
10	252	257	248	225	239	245	261	260	291	294	313	321	310	11	23	39	98	19	26	301	325	255	238	259	307
11	241	201	239	206	247	245	266	283	294	298	305	303	295	281	295	314	302	296	287	302	302	312	294	286	296
12	283	283	296	270	293	296	313	252	233	235	357	47	12	14	17	1	342	338	357	342	345	12	18	20	2
13	8	347	10	1	7	346	249	261	274	233	233	238	256	238	269	276	285	307	280	277	285	274	271	286	293
14	291	293	293	278	286	287	290	285	293	303	297	300	301	294	291	288	282	282	287	285	286	287	280	286	290
15	292	281	284	295	275	297	293	288	295	332	339	338	332	347	337	344	344	337	316	321	343	309	312	317	319
16	315	316	316	317	299	299	307	297	277	278	285	258	278	268	270	281	238	212	200	188	169	148	132	127	285
17	126	130	120	120	142	148	160	162	165	187	193	214	237	259	254	215	239	208	206	191	223	217	208	212	199
18	211	234	211	227	212	204	208	199	202	217	250	269	260	245	238	206	213	111	86	64	74	83	106	95	220
19	98	106	91	108	94	119	74	72	63	67	69	80	90	102	88	80	70	60	56	75	96	144	101	182	80
20	109	102	99	106	133	177	231	233	249	179	181	303	357	353	302	308	23	56	43	41	324	17	336	356	29
21	355	27	341	347	278	20	87	99	71	66	26	76	87	87	108	100	79	55	67	85	105	111	104	107	86
22	114	131	127	143	128	135	145	142	125	175	169	191	186	216	229	240	234	295	311	306	300	304	301	300	190
23	300	314	302	312	312	300	288	286	286	294	295	296	292	307	295	285	285	277	292	298	288	277	258	265	294
24	264	270	279	274	263	281	277	294	304	298	303	299	288	301	284	290	287	292	268	268	268	0	0	0	285
25	0	0	0	0	0	0	0	0	0	0	0	0	282	292	295	296	299	294	288	288	292	292	287	293	292
26	291	290	304	282	284	293	293	295	276	295	268	263	262	272	249	235	247	255	242	235	234	225	227	0	276
27	0	0	0	0	0	0	0	0	278	341	10	25	40	48	33	33	356	2	358	10	28	29	30	46	27
28	58	238	250	259	249	293	298	304	319	309	315	316	334	312	276	276	293	276	256	278	282	263	281	292	287
29	274	271	289	292	289	272	304	277	291	281	271	232	261	8	188	210	214	222	247	226	231	223	208	221	242
30	213	212	204	199	200	176	186	205	230	263	275	265	243	208	245	224	238	249	245	229	242	209	190	0	228
31	0	0	0	0	0	0	0	0	0	266	286	283	346	76	79	123	161	0	0	0	154	133	149	0	102
Avg	240	255	268	246	228	229	240	239	235	240	251	250	249	243	251	256	266	278	272	271	269	251	243	253	245

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 - December 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	5	6	5	4	4	4	5	6	6	6	5	6	4	4	3	3	2	1	1	1	0	1	4
2	0	0	0	0	0	0	0	0	0	3	3	4	4	5	4	4	2	1	1	2	2	2	2	3	2
3	2	1	1	2	2	2	2	3	4	5	6	8	8	8	6	4	3	4	3	4	4	4	3	3	4
4	3	4	3	4	3	2	2	3	3	5	4	4	4	4	3	1	1	1	1	1	1	1	2	2	3
5	2	1	1	1	2	2	1	1	2	3	2	2	3	4	5	4	3	2	2	3	2	3	3	3	2
6	2	3	2	3	4	4	3	4	5	4	5	5	5	5	4	3	2	2	2	2	2	3	3	3	3
7	5	5	4	5	5	4	4	4	6	7	8	8	10	10	9	6	5	3	3	3	3	3	3	3	5
8	3	2	2	2	3	4	3	3	4	6	7	7	7	7	6	6	4	3	4	4	4	4	4	3	4
9	4	4	4	4	3	6	8	9	10	11	9	9	9	8	7	7	5	4	2	2	2	3	1	1	6
10	2	1	0	0	1	1	1	1	3	3	3	4	2	2	2	2	2	1	0	0	0	0	1	1	1
11	0	0	0	0	0	1	2	4	3	4	5	6	5	6	5	5	4	3	2	2	3	3	2	1	3
12	1	1	1	1	1	0	0	0	0	2	4	3	4	4	3	4	3	2	3	3	3	4	4	4	2
13	3	4	5	4	3	2	1	2	1	0	4	4	3	4	4	3	4	3	4	6	6	6	8	8	4
14	7	5	4	5	4	5	6	7	8	8	8	8	7	7	7	8	7	6	5	5	5	5	6	6	6
15	5	4	4	4	3	4	4	4	4	4	7	6	6	6	6	6	5	4	3	5	4	3	4	5	5
16	5	7	9	8	7	7	9	10	10	10	7	7	7	7	6	6	3	2	2	2	3	2	3	3	6
17	4	4	3	3	3	3	3	3	4	5	4	5	5	6	8	7	7	5	4	4	5	5	5	5	5
18	5	4	4	4	3	3	3	3	4	5	6	6	5	4	4	3	1	0	1	1	2	1	1	2	3
19	2	2	1	0	1	1	2	3	4	4	5	5	4	4	3	3	2	2	2	2	2	1	1	0	2
20	1	1	1	1	1	0	0	1	0	0	1	2	2	2	1	1	2	3	1	0	0	0	1	1	1
21	0	0	1	0	1	0	0	1	1	1	2	2	2	3	3	2	1	2	2	2	3	3	4	4	2
22	4	4	5	5	6	6	7	7	9	9	8	10	7	6	6	6	6	4	5	5	5	7	7	8	6
23	8	8	9	7	6	5	6	6	7	7	6	7	6	5	5	5	5	5	5	5	5	3	4	5	6
24	4	5	5	4	3	3	6	4	4	4	4	6	6	6	5	5	6	5	4	4	3	0	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0	4	5	6	5	4	3	4	4	4	4	4	5	2
26	5	5	4	4	4	4	3	2	3	3	4	4	5	4	6	3	3	2	2	2	2	1	0	0	3
27	0	0	0	0	0	0	0	0	0	2	3	5	5	5	4	3	2	1	2	2	2	0	0	1	2
28	1	0	2	2	3	2	3	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	3	0	3
29	1	2	3	2	3	2	2	1	1	1	1	2	1	0	1	2	2	3	2	3	3	4	5	5	2
30	5	7	4	3	5	6	5	5	6	6	8	7	6	8	8	9	7	6	5	2	0	0	0	0	5
31	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0
Avg	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	4	4	3	3	3	3	3	3	3	3
S/D	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
S/A	0.74	0.77	0.81	0.8	0.68	0.75	0.82	0.85	0.79	0.72	0.54	0.49	0.46	0.43	0.42	0.47	0.51	0.55	0.54	0.55	0.57	0.7	0.75	0.8	0.48
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
Max	8	8	9	8	7	7	9	10	10	11	9	10	10	10	9	9	7	6	5	6	6	7	8	8	6

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 - December 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	1018	1018	1018	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1020	1020	1021	1022	1023	1023	1024	1024	1024	1024	1020
2	1024	1024	1024	1024	1024	1024	1025	1025	1025	1025	1024	1023	1022	1021	1020	1019	1019	1019	1019	1019	1018	1018	1018	1018	1022
3	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1017	1016	1015	1014	1014	1014	1015	1015	1015	1016	1016	1016	1016	1016	1016
4	1016	1016	1015	1015	1015	1016	1016	1017	1017	1018	1018	1017	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016
5	1017	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1018	1017	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1017
6	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017	1016	1016	1015	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015
7	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1015	1014	1014	1013	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015
8	1016	1017	1017	1017	1017	1017	1017	1017	1017	1018	1017	1016	1015	1015	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1015
9	1013	1013	1012	1012	1012	1013	1014	1017	1019	1021	1022	1022	1022	1023	1024	1024	1025	1025	1025	1026	1027	1028	1028	1028	1021
10	1027	1027	1027	1027	1028	1028	1028	1028	1028	1028	1027	1026	1025	1024	1023	1023	1022	1022	1023	1023	1022	1022	1023	1023	1025
11	1022	1022	1022	1022	1022	1022	1023	1023	1024	1025	1025	1025	1024	1024	1024	1025	1025	1025	1026	1026	1027	1027	1028	1028	1024
12	1028	1028	1028	1028	1028	1028	1029	1029	1029	1030	1029	1028	1027	1026	1026	1026	1025	1025	1025	1024	1024	1023	1022	1021	1026
13	1020	1018	1017	1016	1015	1014	1013	1013	1012	1011	1011	1010	1009	1008	1009	1008	1008	1008	1008	1008	1009	1009	1010	1010	1011
14	1010	1010	1011	1011	1012	1013	1013	1015	1016	1017	1018	1018	1018	1018	1019	1021	1021	1021	1022	1023	1023	1024	1024	1025	1018
15	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1024	1023	1023	1022	1021	1021	1021	1020	1019	1018	1018	1016	1015	1022
16	1014	1012	1010	1008	1007	1007	1006	1006	1007	1008	1008	1008	1008	1009	1009	1010	1010	1011	1011	1011	1011	1011	1011	1010	1009
17	1010	1009	1008	1007	1007	1007	1007	1007	1007	1007	1007	1006	1005	1005	1005	1006	1008	1008	1009	1010	1011	1012	1013	1014	1008
18	1015	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1023	1023	1024	1024	1025	1025	1026	1026	1026	1026	1027	1027	1028	1023
19	1028	1028	1028	1028	1028	1028	1028	1028	1027	1027	1027	1026	1025	1025	1025	1024	1024	1024	1024	1024	1024	1024	1023	1023	1026
20	1023	1023	1023	1023	1023	1023	1024	1025	1025	1026	1026	1025	1025	1024	1025	1025	1025	1025	1025	1025	1026	1026	1026	1026	1025
21	1026	1026	1026	1026	1026	1026	1026	1026	1027	1027	1026	1025	1024	1023	1023	1022	1022	1021	1021	1020	1019	1019	1018	1018	1024
22	1017	1016	1015	1015	1014	1014	1013	1013	1012	1014	1013	1012	1013	1014	1015	1017	1018	1020	1022	1023	1024	1025	1026	1027	1017
23	1028	1028	1029	1029	1029	1030	1031	1032	1032	1032	1031	1031	1029	1028	1028	1028	1028	1027	1026	1025	1024	1024	1023	1023	1028
24	1022	1022	1022	1022	1022	1022	1023	1023	1024	1025	1025	1024	1024	1024	1024	1024	1025	1026	1026	1026	1026	1027	1027	1027	1024
25	1027	1027	1028	1028	1027	1027	1028	1028	1029	1029	1029	1028	1028	1028	1027	1028	1028	1028	1028	1028	1027	1027	1026	1026	1028
26	1025	1024	1023	1022	1022	1021	1021	1020	1020	1020	1019	1017	1017	1018	1018	1019	1019	1020	1020	1021	1022	1023	1023	1021	
27	1023	1024	1024	1024	1024	1025	1026	1026	1026	1027	1028	1027	1026	1025	1025	1025	1025	1025	1025	1024	1023	1023	1022	1021	1025
28	1020	1020	1020	1019	1019	1018	1018	1018	1018	1018	1017	1016	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1013	1016
29	1013	1012	1012	1011	1011	1011	1010	1010	1009	1009	1009	1007	1005	1004	1003	1003	1002	1002	1001	1001	1001	1000	1000	1000	1006
30	999	999	999	999	998	999	1000	1000	1001	1002	1004	1006	1007	1008	1009	1011	1013	1015	1016	1018	1018	1019	1019	1020	1007
31	1020	1020	1020	1020	1021	1021	1021	1022	1022	1022	1022	1020	1019	1018	1017	1017	1018	1018	1018	1019	1019	1019	1020	1020	1020

Avg	1019	1019	1019	1019	1018	1019	1019	1019	1020	1020	1020	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019
S/D	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	999	999	999	999	998	999	1000	1000	1001	1002	1004	1006	1005	1004	1003	1003	1002	1002	1001	1001	1001	1000	1000	1000	1006
Max	1028	1028	1029	1029	1029	1030	1031	1032	1032	1032	1031	1031	1029	1028	1028	1028	1028	1028	1028	1028	1027	1028	1028	1028	1028

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