

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Univ. - March 2000**

Field: GHI

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	12	145	336	518	664	729	740	669	552	279	184	30	0	0	0	0	0	0	4857
2	0	0	0	0	0	0	13	141	304	323	598	427	277	138	365	408	205	29	0	0	0	0	0	0	3227
3	0	0	0	0	0	0	14	153	361	511	647	750	784	668	537	304	114	33	0	0	0	0	0	0	4875
4	0	0	0	0	0	0	15	148	356	541	687	582	433	306	208	142	75	55	0	0	0	0	0	0	3548
5	0	0	0	0	0	0	18	162	360	547	688	767	774	716	593	427	223	42	0	0	0	0	0	0	5318
6	0	0	0	0	0	0	19	162	374	561	696	771	786	728	606	433	227	47	0	0	0	0	0	0	5408
7	0	0	0	0	0	0	32 ?	177 ?	384	549	683	766	774	716	597	425	222	46	0	0	0	0	0	0	5374
8	0	0	0	0	0	0	19	155	349	526	660	731	740	681	561	392	210	42	0	0	0	0	0	0	5065
9	0	0	0	0	0	0	20	157	365	534	629	723	563	484	515	369	156	35	0	0	0	0	0	0	4550
10	0	0	0	0	0	0	21	172	380	562	697	712	719	660	589	441	190	44	0	0	0	0	0	0	5188
11	0	0	0	0	0	0	7	64	191	541	678	657	719	659	562	375	141	49	0	0	0	0	0	0	4643
12	0	0	0	0	0	0	14	184	342	417	653	262	369	241	158	98	109	21	0	0	0	0	0	0	2869
13	0	0	0	0	0	0	34	208	429	617	755	807	841 ?	785	652	473	263	64	0	0	0	0	0	0	5929
14	0	0	0	0	0	0	37	209	418	602	747	825	842 ?	?	?	?	?	45 ?	0	0	0	0	0	0	3724 ?
15	0	0	0	0	0	0	21	106	221	334	385	376	?	?	?	?	?	50	0	0	0	0	0	0	1492 ?
16	0	0	0	0	0	0	34	181 ?	343	523	586	637	193	336	298	174	102	35	0	0	0	0	0	0	3441
17	0	0	0	0	0	0	10	100 ?	147	126	89	193	117	231	47	42	119	49	0	0	0	0	0	0	1271
18	0	0	0	0	0	0	46	213 ?	180 ?	197	235	292	402	408 ?	396	501	273	76	1	0	0	0	0	0	3219
19	0	0	0	0	0	0	51	131	248 ?	627 ?	693	687 ?	589 ?	450	485	310	126 ?	63	0	0	0	0	0	0	4460 ?
20	0	0	0	0	0	0	15	112	285	276	386	250	206	172	103	60	70	22	1	0	0	0	0	0	1955
21	0	0	0	0	0	0	11	47	91	166	86	119	217	312	139	88	75	17	0	0	0	0	0	0	1368
22	0	0	0	0	0	0	13	41	69	100	115	110	137	69	45	38	31	14	0	0	0	0	0	0	784
23	0	0	0	0	0	0	15	52	108	284	462 ?	880 ?	798 ?	?	362 ?	225 ?	141 ?	78 ?	1	0	0	0	0	0	3405 ?
24	0	0	0	0	0	0	52	?	?	?	?	?	?	742 ?	656	479	271	74	0	0	0	0	0	0	2274 ?
25	0	0	0	0	0	0	59	162 ?	352	566	653	796	810	762	634	460	244	89	2	0	0	0	0	0	5589
26	0	0	0	0	0	0	8	58	116	396	777	886	889	823	695	512	293	90	1	0	0	0	0	0	5545
27	0	0	0	0	0	0	97	241	425	555	632	785	571	582	344	82	41	6	0	0	0	0	0	0	4362
28	0	0	0	0	0	0	76	264	488	688	817	893	887	748	567	385	159	18	0	0	0	0	0	0	5993
29	0	0	0	0	0	0	89	295	517	701	830	910	910	838	697	359	301	56	1	0	0	0	0	0	6503
30	0	0	0	0	0	1	21	60	101	102	460	264	177	40	33	25	26	10	2	0	0	0	0	0	1321
31	0	0	0	0	0	1	51 ?	?	?	?	?	?	?	903	852	731	546	332	131	6	0	0	0	0	3552 ?
Avg	0	0	0	0	0	0	30	148	298	448	575	606	592	529	439	305	170	47	1	0	0	0	0	0	3907
S D	0	0	0	0	0	0	24	64	123	176	208	253	267	251	218	165	85	27	1	0	0	0	0	0	1589
S/A	0	0	0	0	0	3.2	0.78	0.43	0.41	0.39	0.36	0.42	0.45	0.47	0.5	0.54	0.5	0.57	1.97	0	0	0	0	0	0.41
Min	0	0	0	0	0	0	7	41	69	100	86	110	117	40	33	25	26	6	0	0	0	0	0	0	784
Max	0	0	0	0	0	1	97	295	517	701	830	910	910	852	731	546	332	131	6	0	0	0	0	0	6503

Daylight Data Recovery: 0% missing; 10% exceed the 15% QC threshold -- 4445 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station:	EC
Latitude:	36.30° N
Longitude:	76.25° W
Elevation:	4 Meters AMSL
Time Zone:	-5

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

**Direct Normal Solar Radiation  
Hourly Integrated and Daily Totals  
Watt-Hours per Square Meter  
Elizabeth City State Univ. - March 2000**

Field: DNI

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	111	568	714	792	876	842	788	766	722	204	334	92	0	0	0	0	0	0	6808
2	0	0	0	0	0	0	49	410	302	84	412	104	56	2	322	675	496	150	0	0	0	0	0	0	3062
3	0	0	0	0	0	0	116	604	765	646	753	863	910	698	521	163	5	55	0	0	0	0	0	0	6101
4	0	0	0	0	0	0	114	519	736	828	854	344	77	8	9	3	52	164	0	0	0	0	0	0	3709
5	0	0	0	0	0	0	96	582	724	838	895	904	891	882	840	792	643	266	0	0	0	0	0	0	8352
6	0	0	0	0	0	0	142	577	775	871	908	921	926	919	882	815	674	303	0	0	0	0	0	0	8714
7	0	0	0	0	0	0	174	577	801	805	841	888	881	871	840	768	610	246	0	0	0	0	0	0	8300
8	0	0	0	0	0	0	60	384	589	699	757	766	772	760	723	624	492	192	0	0	0	0	0	0	6820
9	0	0	0	0	0	0	56	410	657	642	585	657	330	211	425	395	122	21	0	0	0	0	0	0	4511
10	0	0	0	0	0	0	82	509	721	814	850	750	642	594	638	654	251	36	0	0	0	0	0	0	6541
11	0	0	0	0	0	0	9	3	37	638	691	505	556	585	570	467	218	158	1	0	0	0	0	0	4436
12	0	0	0	0	0	0	5	495	521	431	657	20	59	8	2	1	7	2	0	0	0	0	0	0	2207
13	0	0	0	0	0	0	216	664	825	897	928	788	850	858	858	807	682	342	1	0	0	0	0	0	8714
14	0	0	0	0	0	0	184	644	785	849	897	904	844	?	?	?	?	4	?	0	0	0	0	0	5111
15	0	0	0	0	0	0	2	3	7	9	6	2	?	?	?	?	?	0	0	0	0	0	0	0	29
16	0	0	0	0	0	0	0	0	?	?	?	?	1	?	2	0	?	0	0	0	0	0	0	0	4
17	0	0	0	0	0	0	1	0	?	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
18	0	0	0	0	0	0	0	0	?	0	?	0	0	0	0	?	?	0	?	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	?	0	?	?	0	?	0	0	?	0	?	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	?	?	?	?	?	?	?	0	?	0	?	0	?	0	?
24	0	0	0	0	0	0	2	5	?	?	?	?	?	?	753	?	783	719	580	278	3	0	0	0	3124
25	0	0	0	0	0	0	79	391	?	307	465	491	662	704	753	704	634	436	223	5	0	0	0	0	5854
26	0	0	0	0	0	0	1	3	4	277	844	933	930	919	885	800	659	369	11	0	0	0	0	0	6635
27	0	0	0	0	0	0	164	346	378	327	265	485	176	177	62	2	2	4	1	0	0	0	0	0	2388
28	0	0	0	0	0	0	306	552	734	880	905	924	883	625	498	428	138	2	0	0	0	0	0	0	6875
29	0	0	0	0	0	11	435	727	843	894	925	941	933	907	849	310	447	56	0	0	0	0	0	0	8278
30	0	0	0	0	0	0	3	1	2	2	25	3	2	0	0	0	1	0	0	0	0	0	0	0	40
31	0	0	0	0	0	0	105	?	?	?	?	?	876	901	879	802	660	491	56	0	0	0	0	0	4770
Avg	0	0	0	0	0	0	81	299	387	470	532	472	485	436	414	359	268	111	3	0	0	0	0	0	3916
S D	0	0	0	0	0	2	101	272	347	362	377	395	395	389	368	333	270	138	10	0	0	0	0	0	3185
S/A	0	0	0	0	0	5.42	1.25	0.91	0.9	0.77	0.71	0.84	0.82	0.89	0.89	0.93	1	1.24	3.87	0	0	0	0	0	0.81
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	11	435	727	843	897	928	941	933	919	885	815	682	491	56	0	0	0	0	0	8714

Daylight Data Recovery: 0% missing; 12% exceed the 15% QC threshold -- 4445 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

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

**Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Univ. - March 2000**

Field: DHI

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	6	41	65	81	74	97	135	122	112	177	92	19	0	0	0	0	0	0	1021
2	0	0	0	0	0	0	8	60	193	274	300	335	225	127	167	104	71	17	0	0	0	0	0	0	1881
3	0	0	0	0	0	0	7	37	65	142	121	92	85	154	203	219	104	26	0	0	0	0	0	0	1255
4	0	0	0	0	0	0	8	44	62	71	95	283	349	275	188	128	61	36	0	0	0	0	0	0	1600
5	0	0	0	0	0	0	10	42	66	68	66	75	82	76	72	58	44	15	0	0	0	0	0	0	675
6	0	0	0	0	0	0	8	40	54	56	58	59	58	55	53	48	36	16	0	0	0	0	0	0	542
7	0	0	0	0	0	0	9	32 ?	46	78	85	77	80	76	70	61	47	19	0	0	0	0	0	0	680
8	0	0	0	0	0	0	13	63	96	108	116	124	120	112	97	88	65	20	0	0	0	0	0	0	1024
9	0	0	0	0	0	0	15	60	85	148	192	188	279	303	230	160	115	32	0	0	0	0	0	0	1806
10	0	0	0	0	0	0	11	49	65	71	77	102	179	193	169	113	101	40	0	0	0	0	0	0	1172
11	0	0	0	0	0	0	6	58	155	139	169	241	251	200	181	131	83	28	0	0	0	0	0	0	1645
12	0	0	0	0	0	0	13	51	118	143	156	234	303	220	142	90	97	19	0	0	0	0	0	0	1587
13	0	0	0	0	0	0	14	44	57	64	70	157	121 ?	110	75	62	50	23	0	0	0	0	0	0	848
14	0	0	0	0	0	0	16	47	60	67	70	75	86 ?	?	?	?	?	18 ?	0	0	0	0	0	0	438 ?
15	0	0	0	0	0	0	19	96	207	315	355	330	?	?	?	?	?	35	0	0	0	0	0	0	1357 ?
16	0	0	0	0	0	0	29	101 ?	154	206	404	401	173	299	261	155	91	31	0	0	0	0	0	0	2304
17	0	0	0	0	0	0	9	91 ?	133	113	81	172	106	206	43	38	106	41	0	0	0	0	0	0	1140
18	0	0	0	0	0	0	36	149 ?	165 ?	173	209	263	365	360 ?	356	78	65	32	1	0	0	0	0	0	2251
19	0	0	0	0	0	0	43	119	219 ?	221 ?	277	443 ?	513 ?	416	375	279	109 ?	56	0	0	0	0	0	0	3070 ?
20	0	0	0	0	0	0	13	101	251	247	333	226	186	155	93	54	63	20	1	0	0	0	0	0	1742
21	0	0	0	0	0	0	11	42	82	149	79	107	197	290	126	80	68	16	1	0	0	0	0	0	1248
22	0	0	0	0	0	0	12	37	63	90	104	100	124	63	41	35	28	13	0	0	0	0	0	0	710
23	0	0	0	0	0	0	13	46	97	252	425 ?	211 ?	205 ?	?	286 ?	196 ?	123 ?	58 ?	1	0	0	0	0	0	1914 ?
24	0	0	0	0	0	0	34 ?	69 ?	?	?	?	?	111 ?	102	88	68	30	0	0	0	0	0	0	0	503 ?
25	0	0	0	0	0	0	38	82 ?	193	228	234	201	182	144	134	113	86	52	2	0	0	0	0	0	1689
26	0	0	0	0	0	0	7	51	106	161	97	74	73	70	67	70	59	31	1	0	0	0	0	0	867
27	0	0	0	0	0	0	73 ?	121	225	312	398	337	405	423	280	73	36	6	0	0	0	0	0	0	2688
28	0	0	0	0	0	0	30	86	98	78	83	85	110	217	196	138	102	16	0	0	0	0	0	0	1240
29	0	0	0	0	0	0	28	52	63	72	73	74	78	81	81	159	129	41	1	0	0	0	0	0	931
30	0	0	0	0	0	0	18	52	89	90	412	233	161	34	28	22	23	9	1	0	0	0	0	0	1173
31	0	0	0	0	0	0	27 ?	?	?	?	?	?	108	84	77	75	69	42	3	0	0	0	0	0	486 ?
Avg	0	0	0	0	0	0	19	65	115	145	180	186	184	178	149	107	76	28	0	0	0	0	0	0	1338
SD	0	0	0	0	0	0	14	29	60	78	124	107	111	108	93	59	29	13	1	0	0	0	0	0	648
S/A	0	0	0	0	0	5.48	0.75	0.45	0.52	0.54	0.69	0.58	0.6	0.61	0.62	0.55	0.38	0.48	1.65	0	0	0	0	0	0.48
Min	0	0	0	0	0	0	6	32	46	56	58	59	58	34	28	22	23	6	0	0	0	0	0	0	438
Max	0	0	0	0	0	0	73	149	251	315	425	443	513	423	375	279	129	58	3	0	0	0	0	0	3070

Daylight Data Recovery: 0% missing; 10% exceed the 15% QC threshold -- 4445 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

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

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

Field: Temp

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	8	8	7	8	7	7	7	8	11	14	17	18	19	20	20	20	21	20	19	17	16	16	15	15	14
2	15	14	14	14	14	12	12	13	14	14	15	15	15	14	13	13	13	12	11	9	10	9	8	7	13
3	7	6	5	5	4	4	4	4	6	7	8	10	12	13	14	14	13	12	11	10	9	8	8	8	8
4	8	8	7	7	6	6	6	7	9	10	11	12	12	11	11	10	10	9	8	7	6	5	4	4	8
5	4	3	4	4	4	4	5	6	8	11	15	17	18	19	20	19	20	19	17	15	15	14	14	12	12
6	12	11	11	10	9	9	9	9	10	11	13	14	16	18	18	19	16	13	11	10	9	8	8	6	12
7	5	4	4	3	4	3	4	6	10	13	14	16	17	18	19	19	19	16	14	14	14	13	13	13	11
8	13	13	13	13	13	13	13	14	16	20	23	26	27	28	29	29	28	27	24	23	21	20	19	18	20
9	17	17	16	16	16	16	15	16	18	20	22	24	25	26	26	26	26	24	22	21	20	20	19	19	20
10	18	18	18	18	17	17	17	17	20	23	24	25	23	22	21	20	19	18	17	16	15	15	16	15	19
11	15	15	14	14	15	15	16	16	18	20	22	24	25	25	25	25	24	23	21	20	20	20	20	20	20
12	19	19	19	17	16	16	16	16	17	17	17	16	15	14	14	13	12	12	11	10	9	8	7	6	14
13	5	4	4	3	3	2	2	4	5	7	8	8	9	9	9	9	8	7	6	5	5	5	5	5	6
14	5	5	5	4	2	2	2	5	9	11	12	14	15	15	16	15	13	12	10	9	9	9	8	8	9
15	7	7	7	7	6	6	7	7	10	13	15	16	17	18	19	19	18	17	16	15	14	14	14	14	13
16	14	13	13	13	13	13	13	14	16	19	21	22	22	21	23	21	20	20	19	19	19	19	19	19	18
17	19	19	19	18	17	17	17	18	19	19	15	14	14	15	13	12	11	11	9	8	7	6	6	5	14
18	4	3	2	1	1	1	1	3	3	4	4	4	4	5	5	5	5	4	4	4	4	4	4	5	4
19	4	4	4	4	4	5	5	7	9	10	11	12	12	12	12	12	11	10	9	9	9	9	9	9	8
20	9	9	9	9	9	9	10	10	11	12	13	13	13	13	12	11	11	10	10	10	10	10	10	10	10
21	9	9	10	10	11	11	12	12	13	15	15	13	14	14	14	12	12	11	10	9	8	8	8	7	11
22	7	6	6	6	5	6	6	6	7	7	8	9	9	9	9	9	8	8	8	8	9	9	8	8	8
23	8	8	8	8	8	8	8	8	8	8	9	10	10	11	12	12	11	11	8	7	7	6	5	5	8
24	4	4	3	3	3	3	4	7	11	14	17	18	19	19	19	19	17	16	14	12	11	10	10	9	11
25	9	8	8	8	8	7	8	11	14	16	18	19	21	22	22	23	22	21	19	18	17	17	16	16	15
26	15	15	15	14	15	15	14	14	15	16	19	20	21	22	22	22	22	21	19	18	16	15	14	13	17
27	13	13	11	10	10	9	10	12	16	19	20	22	22	22	22	20	19	18	16	16	16	16	16	16	16
28	15	14	14	14	13	11	11	11	13	14	15	16	17	18	18	19	18	17	16	13	12	12	12	11	14
29	10	9	8	7	7	6	7	8	9	10	12	12	13	14	15	16	15	14	13	12	11	11	11	11	11
30	11	11	12	12	11	11	11	11	12	13	14	15	15	14	13	12	11	11	11	11	11	10	10	10	12
31	9	8	7	8	8	8	8	9	11	12	13	14	14	14	15	14	13	12	10	9	8	8	8	7	10

Avg	10	10	10	9	9	9	9	10	12	14	15	16	16	17	17	16	16	15	13	12	12	11	11	11	12
S/D	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5	6	6	5	5	5	5	5	5	5	4
S/A	0.46	0.49	0.51	0.52	0.53	0.54	0.51	0.42	0.35	0.33	0.32	0.33	0.32	0.31	0.32	0.34	0.35	0.36	0.37	0.38	0.39	0.41	0.42	0.44	0.33
Min	4	3	2	1	1	1	1	3	3	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4
Max	19	19	19	18	17	17	17	18	20	23	24	26	27	28	29	29	28	27	24	23	21	20	20	20	20

Data Recovery: 0% missing; 0% failed QC -- 8928 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station:	EC
Latitude:	36.30° N
Longitude:	76.25° W
Elevation:	4 Meters AMSL
Time Zone:	-5

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

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

Field: RH

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	44	48	49	52	54	58	60	58	55	54	49	43	35	34	34	36	40	46	50	62	72	78	84	88	54
2	89	90	88	83	76	79	77	73	67	64	56	52	54	55	57	56	55	60	71	75	69	68	59	58	68
3	58	56	63	62	65	68	67	68	61	53	51	41	36	32	29	28	31	31	36	39	44	48	51	53	49
4	56	61	67	61	61	64	59	55	43	37	33	36	38	37	39	42	39	41	44	51	57	60	69	68	51
5	67	68	69	75	82	80	79	75	65	51	31	27	31	31	30	29	29	32	36	40	43	45	47	52	51
6	55	57	54	57	56	52	53	73	73	62	53	46	33	29	29	27	47	58	67	71	76	82	87	93	58
7	94	97	97	99	97	99	97	84	64	47	42	36	32	26	25	28	32	51	60	58	56	65	67	71	64
8	72	72	75	77	79	80	81	77	67	53	45	39	36	35	35	36	36	39	51	50	57	63	66	71	58
9	73	73	73	72	71	74	76	73	67	58	53	46	42	40	37	36	38	48	63	64	68	71	74	76	61
10	78	74	76	77	77	79	81	79	71	51	42	39	44	46	50	51	55	65	81	88	94	95	94	98	70
11	100 ?	?	?	?	?	?	?	99 ?	90	82	75	68	65	62	60	59	63	70	76	83	88	90	89	90	59 ?
12	91	90	91	97	98	?	98	95	85	75	70	65	62	60	58	54	53	54	56	49	53	55	58	68	68
13	60	60	61	60	61	65	66	61	58	50	47	46	45	44	46	47	50	55	62	66	66	66	63	61	57
14	66	70	78	80	88	93	92	82	66	48	37	35	32	30	30	35	41	44	50	59	67	68	72	74	60
15	77	77	79	84	91	96	99 ?	95	87	72	43	52	50	51	55	61	66	75	84	90	97	99	100 ?	100 ?	78
16	?	?	?	?	?	99 ?	98	97	92	78	75	72	75	80	71	80	90	88	94	100 ?	?	100 ?	99 ?	97	66 ?
17	97	100 ?	99 ?	100 ?	?	?	?	98	95	93	87	87	84	73	68	70	71	57	63	64	56	55	57	65	68 ?
18	65	64	66	68	73	78	79	71	67	67	66	65	65	63	64	66	69	75	82	86	88	91	92	89	73
19	93	94	95	95	96	96	96	93	83	73	69	66	66	66	68	70	75	80	84	87	88	89	91	92	84
20	92	93	92	93	93	92	91	90	86	83	79	81	82	83	85	85	87	91	98	?	?	?	?	?	70 ?
21	?	?	?	?	?	?	?	?	99 ?	94	97	?	?	99 ?	99	100 ?	98	97	98	98	97	96	97	96	57 ?
22	97	98	99 ?	?	?	99	99	?	?	?	?	100 ?	100 ?	100 ?	?	?	?	?	?	?	?	?	?	?	33 ?
23	?	?	100 ?	98	97	96	97	95	92	87	82	75	77	70	64	66	68	71	92	97	97	99	100 ?	?	76 ?
24	?	?	?	?	?	?	?	96	82	72	65	58	52	50	52	54	60	66	78	84	91	93	96	98	52 ?
25	99	100 ?	?	?	?	?	?	95 ?	80	61	59	58	57	55	54	52	53	58	60	65	68	64	67	72	53 ?
26	75	78	80	86	82	81	89	95	94	86	56	29	25	23	23	23	25	29	33	35	40	43	62	79	57
27	77	82	87	92	92	98	100 ?	98	91	81	65	52	45	44	50	65	79	89	98	100 ?	?	?	?	99 ?	70 ?
28	100 ?	?	?	99 ?	93	85	88	86	78	55	48	38	35	34	37	37	42	50	60	89	99 ?	99 ?	89	70	63 ?
29	60	59	63	68	70	70	67	62	54	49	45	45	43	41	39	37	37	41	47	52	54	57	62	69	54
30	76	74	77	80	77	77	81	81	80	73	59	55	62	66	81	90	98	99	?	?	?	?	?	?	58 ?
31	?	?	?	?	?	?	97 ?	88	73	63	59	59	56	47	46	47	56	55	66	74	77	81	81	86	50 ?
Avg	77	76	78	80	80	82	83	83	76	66	58	54	52	52	51	52	56	61	67	71	71	75	77	79	61
SD	16	15	15	15	14	14	14	13	14	15	16	17	18	20	19	20	20	19	19	19	18	18	16	15	10
S/A	0.21	0.2	0.19	0.18	0.17	0.17	0.17	0.16	0.19	0.23	0.27	0.32	0.35	0.39	0.37	0.38	0.36	0.32	0.29	0.27	0.26	0.24	0.21	0.19	0.17
Min	44	48	49	52	54	52	53	55	43	37	31	27	25	23	23	23	25	29	33	35	40	43	47	52	33
Max	100	100	100	100	98	99	100	99	99	94	97	100	100	100	99	100	98	99	98	100	99	100	100	100	84

Data Recovery: 0% missing; 13% failed QC -- 8928 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

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

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

Field: Temp CR10

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	4	4	4	4	4	4	4	6	11	15	18	20	21	21	22	22	21	20	19	17	16	15	15	14	13
2	14	13	13	13	12	12	11	12	15	16	17	19	18	16	15	15	15	13	10	8	7	7	6	5	13
3	4	4	3	2	2	2	2	4	7	9	11	13	14	15	15	15	14	12	10	8	6	5	5	6	8
4	7	7	6	4	4	3	3	6	9	12	14	16	15	14	13	12	11	10	8	6	4	3	2	1	8
5	1	1	1	1	2	2	3	5	8	12	17	19	20	21	21	22	21	20	16	14	13	12	12	11	11
6	10	9	8	8	7	6	7	8	11	13	16	18	19	20	20	21	20	16	12	10	8	6	5	4	12
7	3	2	2	1	1	1	1	4	10	15	18	20	21	21	21	21	21	19	14	12	12	12	12	12	11
8	12	12	12	12	12	11	11	13	16	20	24	28	30	31	31	31	30	28	25	22	21	19	18	17	20
9	16	15	14	15	14	14	14	16	18	21	23	25	26	27	27	27	27	25	22	21	20	19	19	18	20
10	17	17	17	17	16	16	15	17	20	24	26	28	28	26	24	23	22	19	17	15	15	14	14	14	19
11	14	14	14	14	14	14	15	15	17	21	24	26	27	28	28	27	26	24	22	20	20	19	19	19	20
12	19	18	17	16	16	16	16	17	18	19	19	19	17	17	15	14	13	12	11	9	8	7	6	5	14
13	4	3	2	2	1	1	0	3	6	9	11	12	13	13	13	12	11	9	6	4	4	3	3	3	6
14	3	3	2	1	0	-1	-0	3	9	13	15	17	19	19	19	19	17	14	11	8	7	6	6	4	9
15	4	4	4	4	4	4	4	5	7	11	15	17	18	20	21	22	21	19	16	15	13	13	12	13	12
16	13	13	12	12	12	12	12	14	17	20	23	25	24	21	23	23	21	20	19	18	18	18	18	18	18
17	19	19	18	18	17	17	17	17	19	19	17	15	15	15	15	13	12	12	10	8	6	5	5	4	14
18	3	2	1	1	-0	-0	1	3	4	4	4	5	6	6	7	7	7	6	4	3	3	3	3	3	4
19	2	2	2	2	3	3	3	6	8	11	14	15	15	15	15	14	13	11	9	8	8	8	8	8	9
20	8	8	8	8	8	9	9	9	11	13	14	14	14	14	13	12	11	11	10	9	9	9	9	9	11
21	9	9	9	10	10	11	11	12	12	14	15	14	15	15	14	13	12	11	10	9	9	8	7	7	11
22	7	6	6	6	5	5	6	6	6	7	8	8	9	9	9	8	8	8	8	8	8	8	8	8	7
23	8	8	8	8	8	8	8	8	8	9	10	12	13	13	14	14	12	11	9	6	5	4	4	3	9
24	3	2	2	2	1	2	2	6	11	15	19	21	22	22	22	22	21	19	15	12	10	9	8	7	11
25	7	6	6	6	6	6	6	9	13	17	19	21	22	23	24	25	24	23	20	18	17	16	16	15	15
26	15	15	14	14	14	14	14	14	14	15	20	22	23	23	24	24	23	22	19	16	13	12	12	11	17
27	11	11	10	7	7	7	8	11	16	19	21	23	24	24	24	22	19	17	16	16	16	15	15	15	16
28	15	15	14	14	13	12	11	12	15	16	17	18	19	20	20	20	19	18	16	14	12	12	11	10	15
29	9	8	7	5	5	5	6	8	11	13	14	15	16	16	17	17	17	16	13	12	11	9	8	9	11
30	10	10	11	11	11	11	11	11	12	12	15	18	16	15	13	11	11	11	10	10	10	10	10	9	12
31	8	8	7	7	7	7	8	9	12	14	16	17	17	17	17	17	16	15	12	9	7	5	4	4	11
Avg	9	9	8	8	8	7	8	9	12	14	17	18	19	19	19	18	17	16	14	12	11	10	10	9	12
S/D	5	5	5	5	5	5	5	4	4	4	5	5	5	5	6	6	6	5	5	5	5	5	5	5	4
S/A	0.57	0.61	0.64	0.67	0.68	0.7	0.66	0.47	0.35	0.31	0.29	0.29	0.29	0.29	0.3	0.31	0.33	0.34	0.37	0.42	0.45	0.49	0.52	0.55	0.34
Min	1	1	1	1	-0	-1	-0	3	4	4	4	5	6	6	7	7	7	6	4	3	3	3	2	1	4
Max	19	19	18	18	17	17	17	17	20	24	26	28	30	31	31	31	30	28	25	22	21	19	19	19	20

Data Recovery: 0% missing; 0% failed QC -- 8928 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

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

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

Field: WS

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	1	1	1	1	1	1	1	2	3	3	4	6	6	6	5	3	2	1	2	2	2	3	3	3
2	3	3	3	3	3	2	1	2	2	2	2	2	2	2	3	3	2	2	1	1	1	2	2	1	2
3	1	1	1	2	2	1	2	1	2	2	3	4	3	3	3	3	2	1	1	1	0	1	0	1	2
4	0	1	1	0	0	1	1	1	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0	1	2
5	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	4	3	2	1	1	1	1	2	1	2
6	1	1	1	1	1	2	2	3	3	2	2	1	3	3	3	3	3	2	2	1	1	1	0	0	2
7	0	0	0	0	1	0	1	1	1	1	1	1	2	2	2	3	3	3	1	2	3	3	3	3	2
8	3	3	4	3	3	3	3	4	3	3	2	3	3	2	2	3	3	2	1	2	2	2	2	2	3
9	1	1	1	2	2	2	3	4	4	5	5	6	6	6	7	6	5	3	4	4	5	4	4	3	4
10	3	4	3	3	3	2	3	2	2	2	2	2	4	5	5	5	4	3	3	3	2	2	2	2	3
11	2	2	2	2	2	2	3	2	3	4	4	5	6	6	6	6	6	5	6	5	6	6	6	5	4
12	5	4	3	4	2	3	4	5	6	6	5	5	4	4	4	4	4	3	2	2	3	3	4	3	4
13	3	2	2	3	2	1	2	3	4	4	3	3	3	3	4	3	4	4	3	2	2	2	2	2	3
14	2	1	1	0	0	0	0	0	1	2	2	2	1	2	1	3	5	3	2	2	2	1	1	0	1
15	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	3	3	3	1	2	1	1	1	2	1
16	2	2	2	2	1	1	1	1	2	3	4	4	4	3	5	5	5	5	4	3	3	4	4	4	3
17	5	6	4	3	3	3	4	5	6	4	5	5	4	5	6	5	5	5	5	4	5	4	4	4	5
18	5	5	5	5	4	3	4	5	6	5	5	5	4	4	5	5	5	5	4	3	3	3	2	1	4
19	1	2	2	2	2	2	2	3	5	6	5	5	5	5	5	5	5	5	3	3	3	3	3	4	4
20	3	3	2	2	3	2	3	4	5	5	5	4	5	5	5	6	6	6	5	5	5	5	5	4	4
21	4	4	3	3	3	2	2	1	1	3	2	2	1	3	3	3	3	3	3	3	3	3	3	3	3
22	3	2	2	2	2	2	2	2	2	3	4	6	6	5	5	6	6	6	6	6	6	5	6	6	4
23	5	4	4	4	4	3	3	4	4	4	5	4	4	4	4	4	3	3	2	1	0	0	0	0	3
24	0	0	0	0	0	0	1	1	2	2	2	2	3	3	3	3	3	2	1	2	1	1	1	0	1
25	0	0	0	0	0	0	1	2	3	3	4	4	4	4	5	4	4	4	4	4	3	4	4	3	3
26	2	2	3	3	2	2	3	2	1	2	3	4	4	3	4	4	4	3	1	0	1	1	2	2	2
27	2	2	0	0	0	1	1	2	3	4	5	6	6	7	6	5	4	5	4	2	2	2	3	3	3
28	3	2	3	4	4	3	2	3	4	5	5	4	5	5	6	6	5	5	4	1	1	2	2	3	4
29	3	2	2	2	3	3	3	4	4	5	4	4	5	4	4	4	3	2	1	2	1	1	1	1	3
30	1	1	2	1	1	2	1	1	1	1	1	1	2	1	2	2	1	1	1	0	1	1	0	0	1
31	0	0	1	2	1	3	3	3	4	4	4	4	4	3	3	3	4	3	2	2	1	0	1	0	2

Avg	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	3	3	2	2	2	2	2	3
SD	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
S/A	0.73	0.7	0.64	0.63	0.64	0.52	0.54	0.59	0.52	0.47	0.42	0.41	0.37	0.34	0.35	0.3	0.32	0.42	0.57	0.62	0.72	0.73	0.7	0.37	
Min	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	0	0	0	0	0	1
Max	5	6	5	5	4	3	4	5	6	6	5	6	6	7	7	6	6	6	6	6	6	6	6	6	5

Data Recovery: 0% missing; 0% failed QC -- 8928 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

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

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

Field: WD

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	331	351	4	357	360	332	341	317	318	324	329	355	356	349	356	357	326	339	303	280	309	307	318	328	338
2	350	356	2	28	57	56	68	133	132	156	139	188	158	178	222	222	248	246	284	174	184	157	96	83	134
3	72	87	73	98	97	104	104	67	68	80	58	62	66	59	64	57	57	58	45	33	352	351	320	337	67
4	334	143	127	117	136	120	131	158	170	176	190	186	181	204	205	190	191	193	203	247	284	46	60	60	181
5	54	49	45	39	28	38	45	61	75	72	13	50	80	82	74	48	49	69	29	352	8	22	39	61	50
6	66	81	101	110	95	113	121	129	163	165	179	163	114	103	85	94	218	231	196	197	193	127	159	50	136
7	42	46	36	57	45	35	71	86	57	264	300	258	305	295	307	305	296	249	261	306	313	319	328	329	309
8	342	4	354	6	17	21	26	34	31	43	68	82	107	60	81	17	35	351	304	322	311	321	307	311	18
9	306	316	314	334	333	319	326	318	334	349	5	339	331	346	343	347	348	312	326	327	332	329	332	335	336
10	334	353	6	6	15	31	45	47	66	103	119	109	202	214	229	212	217	221	220	231	225	237	251	247	235
11	242	240	254	250	276	301	305	317	337	313	315	326	327	310	323	316	310	311	315	312	312	304	309	316	310
12	325	312	320	333	335	335	16	12	33	23	55	70	70	65	52	74	97	57	54	66	100	94	111	79	40
13	81	84	89	105	103	84	95	124	147	152	166	182	179	174	192	202	189	202	202	209	195	195	207	208	165
14	193	186	196	105	95	90	86	84	122	146	120	168	169	177	246	288	246	243	239	215	220	235	239	279	213
15	315	341	89	98	252	235	129	132	127	201	208	225	215	197	207	220	251	245	239	240	240	264	285	1	229
16	345	321	311	326	319	317	302	283	296	295	312	303	293	286	293	291	288	291	286	289	294	301	301	307	298
17	323	324	338	326	314	327	352	359	0	37	106	113	109	115	114	99	134	116	127	132	122	117	127	137	82
18	143	139	147	140	138	126	130	164	162	164	150	158	167	163	146	152	147	172	161	155	168	178	156	149	153
19	111	119	115	118	132	123	134	176	186	186	183	191	200	184	184	185	187	184	180	173	177	180	191	187	177
20	186	172	177	174	170	169	176	185	190	186	201	193	192	185	183	178	180	187	191	191	185	179	180	180	184
21	170	176	177	183	182	188	191	184	207	242	39	66	63	59	63	41	49	88	80	77	68	71	77	72	105
22	57	72	74	73	61	66	80	62	100	91	101	105	113	112	107	115	124	122	128	130	135	128	137	144	112
23	144	140	136	147	131	120	128	129	146	158	164	148	169	145	147	149	139	142	179	140	142	213	94	79	146
24	62	149	72	74	75	50	70	72	113	135	159	171	180	200	198	207	192	205	205	212	219	214	270	255	183
25	238	312	282	34	279	284	286	301	326	327	319	324	297	320	314	318	307	314	318	322	326	329	331	344	319
26	1	329	350	340	359	360	43	52	60	63	103	49	72	84	32	38	26	13	36	32	306	301	288	298	28
27	313	327	76	4	295	271	241	281	323	314	286	299	298	290	291	285	282	281	254	270	293	316	352	25	296
28	33	4	28	37	58	75	50	50	56	48	37	352	327	315	321	333	319	322	327	55	215	54	107	96	10
29	66	50	49	37	39	38	48	36	52	61	44	30	29	14	25	36	19	357	323	348	314	290	292	297	32
30	306	302	343	311	7	337	347	343	16	72	97	152	150	140	134	129	188	163	202	235	126	125	131	68	91
31	78	71	86	92	108	127	153	153	163	154	161	171	173	155	163	156	199	192	205	234	246	241	228	240	164
Avg	19	22	39	49	60	51	60	66	93	102	105	94	146	147	7	11	229	231	227	228	231	276	290	358	92

Data Recovery: 0% missing; 0% failed QC -- 8928 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

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



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

Field: Pk WS

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	2	2	2	1	1	1	2	3	4	5	6	8	9	9	7	5	3	2	3	3	4	4	4	4
2	4	4	3	4	5	4	3	3	4	3	3	3	4	4	5	4	3	3	1	1	2	3	3	2	3
3	3	3	2	3	3	2	3	2	3	5	5	6	6	6	5	5	4	3	1	1	1	1	0	1	3
4	0	1	2	1	1	1	1	2	5	5	5	4	4	4	4	4	3	2	1	0	0	0	0	2	2
5	2	2	2	3	3	3	3	3	3	4	4	5	6	6	5	6	5	4	2	2	2	2	2	2	3
6	2	1	2	2	1	3	3	4	4	4	3	3	5	5	6	6	4	4	4	2	1	1	1	0	3
7	0	1	0	1	1	1	1	1	1	1	3	3	4	4	4	4	4	4	2	3	4	5	5	4	3
8	5	4	5	4	4	3	4	5	5	5	4	5	5	4	4	4	5	3	2	3	3	3	2	2	4
9	2	2	2	2	3	3	4	5	5	7	8	8	9	9	10	9	7	5	6	6	7	7	6	4	6
10	4	5	5	4	4	3	4	3	4	4	5	3	6	7	7	7	6	4	4	4	3	3	2	3	4
11	3	3	3	2	3	3	4	4	4	6	7	8	9	9	10	10	9	8	9	8	10	10	10	8	7
12	8	7	6	6	3	5	7	7	9	9	9	8	8	8	8	8	7	6	3	3	6	6	7	5	7
13	5	4	4	5	4	3	3	4	6	6	5	5	5	5	6	5	5	5	4	4	3	3	3	4	4
14	2	1	1	1	1	1	0	1	2	3	3	3	3	3	3	5	6	5	3	2	2	2	1	1	2
15	0	0	0	1	1	0	1	1	0	0	1	2	3	4	4	5	5	4	2	2	1	1	1	2	2
16	2	3	2	2	2	2	2	2	3	5	6	6	6	4	7	7	7	7	5	5	5	6	6	6	5
17	8	9	7	5	5	5	6	7	9	6	9	7	7	8	10	9	8	8	7	7	9	7	6	7	7
18	8	8	9	8	7	5	6	9	8	8	7	7	8	6	7	8	8	7	6	5	6	5	3	2	7
19	2	3	3	3	3	3	3	4	7	8	8	8	7	7	7	7	7	7	5	5	5	5	5	6	5
20	4	4	4	4	5	3	4	6	8	8	8	8	6	7	7	8	9	10	8	7	8	8	8	7	7
21	7	6	5	4	4	3	3	2	3	4	4	4	2	5	5	6	6	6	6	6	5	6	6	6	5
22	5	4	5	5	5	5	4	4	5	5	8	9	9	8	8	10	10	10	10	10	10	9	9	9	7
23	8	7	7	7	6	6	5	6	7	7	8	7	7	7	6	6	5	5	4	3	1	0	0	0	5
24	0	0	0	0	1	1	2	3	4	4	4	4	5	5	4	4	3	2	2	2	1	1	1	1	2
25	0	1	1	0	1	1	1	2	4	5	6	6	7	7	7	7	6	6	6	5	5	6	6	5	4
26	3	3	4	4	3	3	5	4	3	4	6	8	7	6	6	7	6	4	2	1	1	2	2	3	4
27	3	3	1	0	1	1	2	2	5	6	8	9	10	10	10	8	6	8	6	3	3	4	4	5	5
28	5	4	4	6	7	5	3	5	6	8	7	7	8	8	9	10	8	8	6	3	2	3	4	5	6
29	5	4	4	4	5	5	5	7	8	8	7	7	8	7	7	6	5	4	2	3	1	1	1	2	5
30	2	2	3	2	2	3	2	2	2	1	3	3	2	2	3	3	2	2	1	1	2	2	0	0	2
31	1	1	2	3	3	5	5	6	7	6	6	6	6	5	5	5	5	4	3	2	1	0	1	0	4
Avg	3	3	3	3	3	3	3	4	5	5	6	6	6	6	6	6	6	5	4	4	4	4	4	3	4
S/D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
S/A	0.72	0.69	0.63	0.63	0.63	0.51	0.51	0.53	0.47	0.41	0.37	0.36	0.34	0.3	0.31	0.3	0.31	0.42	0.56	0.62	0.71	0.71	0.72	0.7	0.36
Min	0	0	0	0	1	0	0	1	0	0	1	2	2	2	3	3	2	2	1	1	0	0	0	0	2
Max	8	9	9	8	7	6	7	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	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: 6/1/1995

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

Field: Press

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1019	1019	1019	1018	1018	1018	1018	1019	1018	1017	1017	1016	1014	1012	1011	1010	1010	1009	1010	1009	1009	1009	1009	1008	1014
2	1008	1007	1007	1006	1007	1007	1008	1009	1009	1010	1009	1009	1008	1008	1008	1008	1008	1009	1009	1010	1011	1011	1012	1012	1009
3	1012	1012	1012	1012	1013	1013	1013	1013	1014	1014	1014	1013	1012	1010	1010	1009	1009	1009	1009	1010	1010	1011	1010	1010	1011
4	1010	1009	1009	1009	1009	1009	1010	1010	1011	1011	1011	1010	1009	1008	1008	1007	1007	1007	1007	1008	1008	1008	1008	1008	1009
5	1008	1008	1008	1008	1009	1009	1010	1010	1011	1012	1011	1011	1010	1009	1009	1008	1009	1009	1010	1011	1011	1012	1012	1013	1010
6	1013	1013	1014	1014	1015	1016	1017	1018	1019	1019	1019	1018	1018	1017	1018	1018	1018	1019	1020	1020	1021	1021	1022	1022	1018
7	1023	1023	1023	1023	1023	1024	1024	1025	1025	1025	1025	1025	1024	1022	1021	1020	1019	1019	1019	1018	1018	1018	1017	1017	1022
8	1016	1015	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015	1014	1013	1013	1012	1012	1012	1012	1012	1012	1012	1012	1012	1014
9	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1010	1009	1009	1008	1008	1008	1008	1008	1008	1008	1008	1009	1010
10	1009	1009	1009	1010	1011	1011	1012	1013	1014	1015	1015	1015	1015	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015	1013
11	1015	1014	1014	1014	1014	1014	1014	1015	1015	1015	1014	1013	1012	1011	1010	1009	1009	1009	1009	1009	1008	1008	1007	1006	1011
12	1006	1005	1004	1003	1003	1003	1002	1003	1003	1003	1003	1004	1005	1006	1007	1008	1009	1011	1012	1014	1016	1017	1018	1019	1008
13	1020	1021	1021	1021	1022	1023	1024	1025	1025	1026	1026	1026	1025	1024	1024	1024	1024	1025	1025	1025	1025	1026	1026	1026	1024
14	1025	1025	1024	1024	1024	1024	1025	1025	1026	1026	1026	1025	1024	1023	1023	1022	1022	1023	1023	1023	1024	1024	1024	1024	1024
15	1024	1024	1023	1023	1023	1024	1024	1025	1025	1026	1025	1025	1024	1023	1022	1021	1021	1021	1021	1022	1022	1022	1021	1021	1023
16	1021	1022	1021	1021	1021	1021	1021	1021	1021	1021	1020	1019	1018	1016	1015	1014	1013	1013	1013	1012	1011	1011	1009	1009	1017
17	1008	1006	1005	1005	1005	1005	1005	1006	1007	1008	1009	1010	1011	1012	1013	1015	1016	1017	1019	1021	1023	1024	1025	1026	1013
18	1026	1027	1027	1027	1028	1029	1029	1030	1031	1032	1032	1033	1032	1032	1032	1031	1031	1031	1031	1031	1031	1030	1030	1029	1030
19	1029	1028	1028	1027	1027	1027	1027	1028	1028	1028	1027	1027	1026	1026	1025	1025	1025	1025	1025	1025	1025	1025	1024	1023	1026
20	1023	1022	1022	1022	1021	1022	1022	1021	1021	1020	1020	1020	1021	1021	1020	1020	1019	1018	1019	1020	1019	1019	1019	1019	1020
21	1019	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017	1017	1018	1019	1019	1019	1019	1019	1017
22	1018	1018	1018	1018	1017	1017	1017	1017	1018	1018	1017	1018	1018	1018	1018	1018	1019	1019	1020	1021	1021	1022	1022	1021	1019
23	1022	1022	1022	1021	1022	1022	1023	1024	1025	1024	1025	1024	1024	1023	1022	1022	1022	1022	1022	1022	1022	1021	1021	1021	1022
24	1020	1020	1019	1019	1019	1020	1020	1021	1020	1021	1021	1020	1020	1019	1019	1018	1018	1019	1019	1019	1019	1019	1019	1019	1020
25	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1016	1015	1014	1013	1012	1011	1011	1011	1011	1011	1011	1010	1010	1015
26	1010	1009	1007	1007	1007	1007	1008	1009	1009	1009	1008	1008	1007	1006	1006	1005	1006	1006	1006	1006	1006	1006	1006	1005	1007
27	1005	1005	1005	1005	1004	1004	1004	1004	1004	1004	1002	1001	1000	998	997	996	995	995	993	993	992	991	990	990	999
28	990	990	990	990	991	993	994	995	995	995	996	995	994	994	993	992	992	992	994	996	997	998	1000	1000	994
29	1001	1001	1002	1003	1004	1005	1007	1008	1008	1009	1009	1009	1009	1009	1009	1009	1010	1010	1011	1011	1012	1012	1011	1012	1008
30	1012	1012	1012	1011	1011	1012	1012	1013	1013	1013	1013	1012	1012	1012	1011	1010	1010	1009	1009	1010	1011	1011	1012	1011	1012
31	1011	1012	1012	1012	1013	1014	1015	1015	1016	1017	1018	1017	1017	1017	1017	1017	1017	1017	1018	1019	1020	1020	1020	1020	1016
Avg	1015	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1015	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015
SD	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	0.01
Min	990	990	990	990	991	993	994	995	995	995	996	995	994	994	993	992	992	992	993	993	992	991	990	990	994
Max	1029	1028	1028	1027	1028	1029	1029	1030	1031	1032	1032	1033	1032	1032	1032	1031	1031	1031	1031	1031	1031	1030	1030	1029	1030

Data Recovery: 0% missing; 0% failed QC -- 8928 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC  
Latitude: 36.30° N  
Longitude: 76.25° W  
Elevation: 4 Meters AMSL  
Time Zone: -5

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