

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - March 2001

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	8	126	324	513	669	750	749	702	582	412	195	28	0	0	0	0	0	0	5056
2	0	0	0	0	0	0	1	14	59	109	125	325	190	528	495	352	165	43	0	0	0	0	0	0	2406
3	0	0	0	0	0	0	5	50	145	157	258	220	308	218	147	124	68	19	0	0	0	0	0	0	1719
4	0	0	0	0	0	0	2	35	45	68	76	83	129	99	90	54	39	11	0	0	0	0	0	0	731
5	0	0	0	0	0	0	1	13	30	82	207	217	192	193	199	168	219	36	0	0	0	0	0	0	1558
6	0	0	0	0	0	0	13	146	333	277	502	502	366	385	479	357	105	19	0	0	0	0	0	0	3484
7	0	0	0	0	0	0	7	65	169	252	302	278	302	416	320	201	136	20	0	0	0	0	0	0	2469
8	0	0	0	0	0	0	16	90	?	?	?	767	788	741	623	397	243	59	0	0	0	0	0	0	3725
9	0	0	0	0	0	0	7	64	208	485	602	680	684	661	641	458	253	69	0	0	0	0	0	0	4811
10	0	0	0	0	0	0	20	173	393	585	725	812	824	770	646	468	262	64	0	0	0	0	0	0	5743
11	0	0	0	0	0	0	24	175	389	580	715	775	820	761	640	466	264	67	0	0	0	0	0	0	5674
12	0	0	0	0	0	0	18	64	?	?	395	374	?	247	360	296	85	17	0	0	0	0	0	0	1857
13	0	0	0	0	0	0	3	40	207	227	334	?	?	?	?	?	?	50	0	0	0	0	0	0	861
14	0	0	0	0	0	0	29	109	?	?	?	?	?	?	307	305	145	50	0	0	0	0	0	0	946
15	0	0	0	0	0	0	5	36	48	92	84	74	43	31	26	77	75	23	1	0	0	0	0	0	616
16	0	0	0	0	0	0	10	101	?	?	?	?	?	431	297	362	124	23	1	0	0	0	0	0	1348
17	0	0	0	0	0	0	15	90	155	208	378	523	?	415	312	269	67	35	1	0	0	0	0	0	2467
18	0	0	0	0	0	0	26	102	?	423	?	494	?	?	?	?	64	1	0	0	0	0	0	0	1111
19	0	0	0	0	0	0	41	126	?	?	?	?	881	830	703	519	309	94	1	0	0	0	0	0	3502
20	0	0	0	0	0	0	14	85	213	208	217	352	179	144	93	47	44	17	0	0	0	0	0	0	1614
21	0	0	0	0	0	0	18	163	368	600	754	566	232	258	323	171	131	96	1	0	0	0	0	0	3682
22	0	0	0	0	0	0	3	40	60	118	252	606	720	703	635	471	300	98	3	0	0	0	0	0	4009
23	0	0	0	0	0	0	49	240	466	659	800	882	889	836	696	521	296	95	2	0	0	0	0	0	6432
24	0	0	0	0	0	0	49	182	?	?	?	?	?	?	?	?	63	2	0	0	0	0	0	0	296
25	0	0	0	0	0	0	12	38	130	241	325	395	303	233	197	198	90	75	5	0	0	0	0	0	2241
26	0	0	0	0	0	0	13	45	70	88	140	272	211	292	259	?	123	55	5	0	0	0	0	0	1574
27	0	0	0	0	0	0	46	?	?	?	?	?	?	?	?	?	271	114	4	0	0	0	0	0	435
28	0	0	0	0	0	0	87	280	480	673	812	893	900	840	717	536	323	101	6	0	0	0	0	0	6649
29	0	0	0	0	0	0	13	30	87	198	199	192	177	166	79	141	42	12	0	0	0	0	0	0	1338
30	0	0	0	0	0	0	11	42	241	270	338	509	766	727	674	526	322	114	4	0	0	0	0	0	4544
Avg	0	0	0	0	0	0	19	95	210	309	400	481	484	465	405	316	174	54	1	0	0	0	0	0	2763
S/D	0	0	0	0	0	0	19	67	141	201	239	245	301	263	226	158	95	32	2	0	0	0	0	0	1858
S/A	0	0	0	0	0	4.58	0.99	0.7	0.67	0.65	0.6	0.51	0.62	0.57	0.56	0.5	0.55	0.59	1.34	0	0	0	0	0	0.67
Min	0	0	0	0	0	0	1	13	30	68	76	74	43	31	26	47	39	11	0	0	0	0	0	0	296
Max	0	0	0	0	0	0	87	280	480	673	812	893	900	840	717	536	323	114	6	0	0	0	0	0	6649

Daylight Data Recovery: 0% missing; 22% exceed the 15% QC threshold -- 4295 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 2001**

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	34	421	550	745	881	899	827	864	815	697	407	45	0	0	0	0	0	0	7185		
2	0	0	0	0	0	0	0	1	1	3	2	11	7	246	339	302	101	47	0	0	0	0	0	0	1061		
3	0	0	0	0	0	0	0	1	2	1	4	1	3	2	1	1	0	0	0	0	0	0	0	0	15		
4	0	0	0	0	0	0	0	1	1	2	0	0	2	1	1	1	0	0	0	0	0	0	0	0	11		
5	0	0	0	0	0	0	0	0	0	0	4	4	2	6	48	72	325	52	0	0	0	0	0	0	514		
6	0	0	0	0	0	0	91	561	?	543	100	336	137	17	24	154	325	28	2	0	0	0	0	0	2318		
7	0	0	0	0	0	0	0	1	3	4	4	3	3	6	?	4	?	3	?	2	?	0	0	0	0	32	
8	0	0	0	0	0	0	2	11	?	?	?	?	840	870	894	839	595	600	298	0	0	0	0	0	4951		
9	0	0	0	0	0	0	1	1	113	358	379	549	578	684	879	791	635	292	0	0	0	0	0	0	5260		
10	0	0	0	0	0	0	152	630	812	888	920	942	946	939	906	837	718	404	1	0	0	0	0	0	9094		
11	0	0	0	0	0	0	154	614	793	866	863	747	923	903	872	810	688	353	2	0	0	0	0	0	8588		
12	0	0	0	0	0	0	1	1	?	?	3	?	3	?	1	?	5	?	3	?	1	?	0	0	0	18	
13	0	0	0	0	0	0	0	1	7	6	?	5	?	?	?	?	?	?	1	?	0	0	0	0	0	21	
14	0	0	0	0	0	0	4	10	?	?	?	?	?	?	?	1	?	2	?	0	?	0	0	0	0	18	
15	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5		
16	0	0	0	0	0	0	0	2	?	?	?	?	?	10	?	1	?	2	?	0	0	0	0	0	0	16	
17	0	0	0	0	0	0	0	1	1	3	7	12	?	?	2	?	0	?	6	?	0	?	1	?	0	34	
18	0	0	0	0	0	0	1	11	?	?	3	?	?	2	?	?	?	?	8	?	0	0	0	0	0	25	
19	0	0	0	0	0	0	6	12	?	?	?	?	?	895	?	919	909	867	775	509	15	0	0	0	0	4907	
20	0	0	0	0	0	0	1	2	33	4	3	8	1	2	1	2	1	4	1	0	0	0	0	0	0	62	
21	0	0	0	0	0	0	3	104	318	707	812	258	17	9	70	8	87	382	2	0	0	0	0	0	0	2776	
22	0	0	0	0	0	0	0	0	0	2	4	170	440	572	745	687	677	444	18	0	0	0	0	0	0	3759	
23	0	0	0	0	0	0	256	672	829	881	897	888	856	824	780	724	545	277	9	0	0	0	0	0	0	8439	
24	0	0	0	0	0	0	147	379	?	?	?	?	?	?	?	?	?	90	?	3	0	0	0	0	0	619	
25	0	0	0	0	0	0	0	0	1	2	4	5	1	0	1	1	0	3	1	0	0	0	0	0	0	20	
26	0	0	0	0	0	0	1	0	0	0	0	6	4	?	4	?	1	?	6	?	3	?	1	0	0	0	25
27	0	0	0	0	0	0	7	?	?	?	?	?	?	?	?	?	?	645	?	502	53	0	0	0	0	1206	
28	0	0	0	0	0	0	321	693	823	891	918	934	929	904	863	813	681	318	33	0	0	0	0	0	0	9120	
29	0	0	0	0	0	0	1	0	0	0	2	0	2	1	0	0	0	3	1	0	0	0	0	0	0	10	
30	0	0	0	0	0	0	0	0	65	39	13	183	534	577	755	815	723	513	57	0	0	0	0	0	0	4273	
Avg	0	0	0	0	0	0	39	143	223	239	264	275	357	336	346	335	283	152	7	0	0	0	0	0	0	2479	
S/D	0	0	0	0	0	0	82	247	322	360	381	368	404	398	395	363	312	190	15	0	0	0	0	0	0	3178	
S/A	0	0	0	0	0	3.75	2.07	1.73	1.45	1.51	1.44	1.34	1.13	1.18	1.14	1.09	1.1	1.25	2.25	0	0	0	0	0	0	1.28	
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	5	
Max	0	0	0	0	0	0	321	693	829	891	920	942	946	939	909	867	775	513	57	0	0	0	0	0	0	9120	

Daylight Data Recovery: 0% missing; 22% exceed the 15% QC threshold -- 4295 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 2001

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	5	50	122	105	84	86	121	86	80	81	70	20	0	0	0	0	0	0	910
2	0	0	0	0	0	0	1	13	54	99	115	296	168	323	261	194	131	37	0	0	0	0	0	0	1693
3	0	0	0	0	0	0	4	45	130	143	235	202	277	198	134	113	62	17	0	0	0	0	0	0	1560
4	0	0	0	0	0	0	2	32	41	62	70	76	118	90	82	50	36	10	0	0	0	0	0	0	668
5	0	0	0	0	0	0	1	11	28	75	186	196	174	177	154	125	121	27	0	0	0	0	0	0	1274
6	0	0	0	0	0	0	6	36 ?	126	212	239	378	336	351	339	194	89	17	0	0	0	0	0	0	2324
7	0	0	0	0	0	0	7	58	151	230	272	255	265	363 ?	271 ?	179 ?	120 ?	18	0	0	0	0	0	0	2189
8	0	0	0	0	0	0	9	34 ?	?	?	?	100	100	80	88	108	63	24	0	0	0	0	0	0	606 ?
9	0	0	0	0	0	0	6	57	146	262	294	230	203	144	77	71	59	35	0	0	0	0	0	0	1584
10	0	0	0	0	0	0	9	41	59	69	75	76	75	70	64	59	43	18	0	0	0	0	0	0	658
11	0	0	0	0	0	0	11	44	61	72	91	160	82	81	75	66	51	23	0	0	0	0	0	0	817
12	0	0	0	0	0	0	18	55 ?	?	?	340 ?	336	?	218 ?	326 ?	269 ?	77 ?	15	0	0	0	0	0	0	1653 ?
13	0	0	0	0	0	0	2	36	185	223 ?	299 ?	?	?	?	?	?	?	37 ?	0	0	0	0	0	0	782 ?
14	0	0	0	0	0	0	13	32 ?	?	?	?	?	?	?	220 ?	242 ?	124 ?	45	0	0	0	0	0	0	675 ?
15	0	0	0	0	0	0	5	32	44	83	75	67	39	28	24	70	67	21	1	0	0	0	0	0	556
16	0	0	0	0	0	0	9	93	?	?	?	?	?	315 ?	269 ?	294 ?	113	21	0	0	0	0	0	0	1115 ?
17	0	0	0	0	0	0	13	80	138	185	334	431 ?	?	315 ?	278 ?	204 ?	57 ?	27 ?	1	0	0	0	0	0	2062 ?
18	0	0	0	0	0	0	18	48 ?	?	346 ?	?	372 ?	?	?	?	?	?	20 ?	1	0	0	0	0	0	805 ?
19	0	0	0	0	0	0	15	33 ?	?	?	?	?	64 ?	61	57	52	42	24	1	0	0	0	0	0	349 ?
20	0	0	0	0	0	0	13	76	186	189	193	327	161	128	83	42	39	15	0	0	0	0	0	0	1452
21	0	0	0	0	0	0	18	120	194	128	123	320	201	236	254	151	99	37	1	0	0	0	0	0	1882
22	0	0	0	0	0	0	2	36	54	107	223	422	313	220	104	95	56	30	2	0	0	0	0	0	1665
23	0	0	0	0	0	0	21	50	61	68	71	75	83	85	79	71	68	42	2	0	0	0	0	0	776
24	0	0	0	0	0	0	27	58 ?	?	?	?	?	?	?	?	?	?	37 ?	2	0	0	0	0	0	124 ?
25	0	0	0	0	0	0	10	34	113	212	296	377	267	208	175	173	80	65	4	0	0	0	0	0	2012
26	0	0	0	0	0	0	12	40	63	78	125	246	186 ?	246 ?	234 ?	?	97 ?	41 ?	4	0	0	0	0	0	1371 ?
27	0	0	0	0	0	0	21	?	?	?	?	?	?	?	?	?	44 ?	31	3	0	0	0	0	0	98 ?
28	0	0	0	0	0	0	24	53	65	72	81	84	88	93	93	79	67	42	4	0	0	0	0	0	846
29	0	0	0	0	0	0	12	26	76	175	178	171	155	145	70	124	37	11	0	0	0	0	0	0	1181
30	0	0	0	0	0	0	10	37	182	233	306	313	251	211	123	60	47	28	2	0	0	0	0	0	1804
Avg	0	0	0	0	0	0	11	47	104	149	187	233	169	179	154	127	73	28	1	0	0	0	0	0	1183
S/D	0	0	0	0	0	0	7	22	53	77	94	121	84	98	93	72	29	12	1	0	0	0	0	0	608
S/A	0	0	0	0	0	5.39	0.63	0.48	0.51	0.52	0.5	0.52	0.5	0.55	0.6	0.57	0.4	0.43	1.31	0	0	0	0	0	0.51
Min	0	0	0	0	0	0	1	11	28	62	70	67	39	28	24	42	36	10	0	0	0	0	0	0	98
Max	0	0	0	0	0	0	27	120	194	346	340	431	336	363	339	294	131	65	4	0	0	0	0	0	2324

Daylight Data Recovery: 0% missing; 22% exceed the 15% QC threshold -- 4295 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 2001

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	3	2	2	2	2	2	2	2	2	3	6	8	10	10	11	11	12	8	6	5	5	5	5	5	5
2	5	5	5	5	5	6	6	7	7	9	9	11	10	12	13	14	13	13	11	9	9	9	9	8	9
3	8	8	9	9	9	9	8	8	9	10	11	11	11	11	11	11	11	11	10	9	9	9	8	8	9
4	8	8	8	7	7	7	8	9	11	11	11	10	10	10	10	10	10	10	10	11	10	10	10	11	10
5	10	9	8	8	8	7	7	7	6	6	5	5	5	6	6	7	8	8	7	7	7	5	4	2	7
6	1	0	-0	-0	-1	-2	-2	-2	-1	-1	0	1	1	3	4	4	4	4	4	4	3	3	3	3	1
7	3	3	2	2	2	2	2	2	3	4	5	6	6	7	7	8	8	8	7	6	5	4	4	3	4
8	3	3	3	3	2	2	2	3	5	6	8	9	10	11	11	11	10	9	8	7	7	7	6	6	6
9	6	6	6	6	7	7	8	8	9	10	11	12	13	13	14	14	13	9	7	6	6	5	5	4	9
10	2	1	1	1	1	0	-0	1	3	4	5	6	7	8	9	10	10	10	6	4	4	4	3	3	4
11	3	3	3	3	3	3	3	5	7	10	11	13	14	15	16	17	17	17	15	14	13	11	11	10	10
12	9	10	9	8	8	7	7	7	9	11	11	11	12	13	13	13	14	12	12	12	13	17	17	17	11
13	17	17	17	17	18	18	18	18	19	20	21	21	22	23	24	24	24	23	22	21	20	19	18	17	20
14	16	15	13	12	11	11	11	12	14	16	17	18	18	19	19	20	19	18	14	12	11	11	10	10	14
15	10	10	11	11	11	11	11	12	13	12	12	12	11	11	11	11	12	13	13	13	11	10	10	9	11
16	9	9	9	8	8	8	8	8	10	11	11	12	13	13	13	14	14	14	14	13	12	12	11	11	11
17	10	9	9	9	9	8	8	9	9	9	11	13	15	17	17	17	13	11	10	9	8	8	8	9	11
18	9	9	8	7	6	6	5	6	7	7	7	8	9	10	10	11	11	11	9	8	7	6	6	5	8
19	5	4	4	4	4	4	4	6	7	8	8	9	9	10	10	10	9	8	7	6	5	5	5	5	7
20	5	4	5	4	4	4	5	6	8	9	9	10	10	10	10	10	10	10	10	10	10	11	11	12	8
21	12	12	13	13	14	14	14	13	15	16	18	19	18	16	16	15	15	15	14	13	12	11	10	9	14
22	9	9	9	9	9	8	7	7	7	8	9	10	12	14	15	17	17	17	15	14	13	11	10	9	11
23	8	8	8	7	6	5	5	7	9	12	13	14	15	16	16	17	17	17	15	14	14	13	12	11	12
24	9	8	8	8	8	7	8	11	13	15	16	18	20	21	21	22	22	21	20	18	16	13	12	11	14
25	10	10	8	8	7	7	7	6	6	6	6	6	6	6	5	6	5	5	5	4	4	4	4	4	6
26	4	5	5	5	3	3	4	4	3	3	4	5	7	7	8	7	6	5	4	3	3	2	2	2	4
27	1	0	-0	-1	-1	-1	-1	0	2	3	3	4	5	6	7	7	7	5	3	3	2	2	1	1	2
28	1	-0	-1	-2	-1	-2	-1	2	5	6	7	8	9	9	8	9	9	8	6	5	5	5	5	5	4
29	5	5	6	6	7	7	7	8	9	10	12	13	14	14	13	13	14	15	16	16	16	16	17	18	12
30	18	18	17	18	18	17	17	16	17	18	14	15	16	16	17	18	19	19	18	16	16	15	15	15	17
Avg	7	7	7	7	6	6	6	7	8	9	10	11	11	12	12	13	13	12	11	10	9	9	8	8	9
S/D	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	4	4	5	5	4	4
S/A	0.63	0.66	0.68	0.71	0.73	0.77	0.76	0.65	0.56	0.52	0.47	0.43	0.41	0.4	0.39	0.38	0.37	0.41	0.46	0.48	0.49	0.51	0.54	0.57	0.46
Min	1	-0	-1	-2	-1	-2	-2	-2	-1	-1	-1	0	1	1	3	4	4	4	3	3	2	2	1	1	1
Max	18	18	17	18	18	18	18	19	20	21	21	22	23	24	24	24	24	23	22	21	20	19	18	18	20

Data Recovery: 0% missing; 0% failed QC -- 8640 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 2001**

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	86	91	93	96	94	94	97	97	95	91	72	49	41	36	35	31	28	64	80	87	91	96	96	95	76					
2	94	97	99	100	97	88	86	89	90	76	66	56	58	48	54	51	50	55	71	79	81	86	85	83	77					
3	78	77	76	73	72	73	75	79	77	69	64	64	69	68	70	69	70	71	74	81	86	89	92	94	75					
4	93	93	98	?	?	?	?	?	?	99	?	100	?	?	?	?	?	?	?	?	?	?	?	?	?	20				
5	?	?	?	?	?	?	?	?	?	?	?	97	?	90	83	78	74	69	65	69	75	78	81	83	85	96	47			
6	?	100	?	96	?	78	65	60	60	53	50	55	57	50	53	57	46	43	44	45	47	50	53	55	57	61	56			
7	63	62	64	63	63	64	66	68	66	64	61	60	59	55	54	54	53	56	59	65	68	70	70	76	63	63				
8	77	79	80	81	84	87	87	83	76	71	66	63	61	50	47	56	67	76	83	89	80	85	87	84	75	75				
9	83	85	85	83	78	76	78	79	75	64	57	51	41	32	28	28	33	62	69	73	75	71	67	63	64	64				
10	68	68	66	66	64	64	68	64	53	49	45	40	37	34	31	32	30	34	66	75	79	82	85	87	58	58				
11	90	90	90	88	87	88	91	83	69	54	47	40	34	32	31	29	29	30	33	37	39	43	53	62	57	57				
12	72	75	77	68	68	80	81	80	79	74	72	75	74	75	75	77	78	85	90	94	98	?	98	99	?	77				
13	?	99	?	?	100	?	99	99	?	99	91	80	72	69	63	51	47	45	46	50	54	58	64	51	39	57	?			
14	37	40	44	47	51	52	53	51	44	39	35	31	30	29	27	26	26	29	54	71	75	81	86	89	48	48				
15	89	91	90	95	87	86	87	76	76	95	99	?	?	?	?	?	?	?	?	?	?	?	?	?	?	40	?			
16	?	99	99	99	96	95	95	95	90	86	87	85	85	84	86	84	87	89	89	97	99	?	?	?	?	76	?			
17	?	?	?	?	?	?	?	?	100	?	99	93	85	76	68	60	62	86	91	96	99	?	?	?	?	78	46	?		
18	68	66	66	69	71	70	68	63	57	56	50	48	46	44	43	40	36	35	44	55	59	63	67	65	56	56				
19	68	70	66	64	56	54	57	53	46	41	36	34	33	33	36	40	39	40	49	65	69	67	72	70	52	52				
20	70	72	72	75	78	78	76	69	67	70	72	73	75	78	81	85	87	90	95	98	98	98	?	?	?	73	73			
21	?	?	?	?	?	?	?	?	99	?	95	82	70	78	79	74	76	78	72	77	78	81	90	95	98	55	?			
22	99	100	100	?	?	?	?	100	?	99	?	97	92	83	71	65	60	52	48	44	41	41	44	53	57	62	60	?		
23	61	62	64	69	74	78	76	68	59	44	34	29	27	27	26	25	29	32	36	39	42	45	49	52	48	48	48			
24	58	64	63	66	73	84	85	68	57	49	46	39	34	31	29	29	30	32	35	43	49	60	66	71	53	53				
25	75	73	68	62	60	58	61	62	62	61	57	55	56	58	59	60	60	61	62	67	73	75	76	80	64	64				
26	81	78	77	81	87	92	91	97	100	?	99	?	96	90	77	69	65	64	65	68	69	69	65	61	61	62	78			
27	56	51	52	52	49	47	48	44	36	32	33	34	33	33	32	31	30	52	58	59	62	69	71	73	47	47				
28	77	84	91	94	91	92	84	69	55	47	44	42	41	44	53	49	52	59	65	71	77	80	76	77	67	67				
29	79	81	85	90	95	99	?	?	?	98	?	93	88	88	90	99	?	99	98	97	96	97	98	?	?	78	?			
30	98	99	?	100	98	97	99	?	100	?	?	99	?	96	97	90	80	75	72	67	64	63	70	76	78	83	86	85	82	?
Avg	76	80	79	77	77	78	79	73	73	71	67	60	57	55	53	53	54	59	65	71	72	74	76	76	76	61	61			
S D	15	16	16	15	15	16	15	15	19	21	22	20	19	19	20	20	21	20	19	18	17	16	15	15	15	14	14			
S/A	0.19	0.2	0.2	0.19	0.19	0.2	0.19	0.21	0.27	0.3	0.32	0.33	0.33	0.35	0.37	0.39	0.4	0.34	0.29	0.26	0.24	0.21	0.2	0.2	0.23	0.23				
Min	37	40	44	47	49	47	48	44	36	32	33	29	27	27	26	25	26	29	33	37	39	43	49	39	20	20				
Max	99	100	100	100	100	99	100	99	100	99	100	90	88	90	99	99	98	97	96	99	99	98	100	99	82	82				

Data Recovery: 0% missing; 13% failed QC -- 8640 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 2001

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	1	-0	-1	-1	0	0	0	1	3	5	8	11	12	13	13	13	13	10	6	4	4	3	3	3	5
2	3	3	3	3	4	4	5	6	7	8	9	11	12	13	15	16	15	14	11	9	8	7	6	6	8
3	6	7	7	7	8	7	7	7	8	10	11	12	12	13	13	13	12	12	10	9	8	8	8	7	9
4	7	7	7	7	7	7	7	8	9	10	11	11	10	11	11	11	11	11	11	10	11	10	10	10	9
5	10	9	9	8	8	8	7	7	7	6	6	6	6	7	7	7	8	8	7	6	6	5	4	3	7
6	1	0	-1	-2	-2	-3	-4	-3	-0	0	0	2	2	3	4	5	5	4	4	3	3	3	3	3	1
7	3	2	2	2	2	2	2	2	3	4	5	7	7	8	9	9	9	8	7	4	3	3	2	1	4
8	0	1	1	1	1	0	-0	2	5	8	12	14	14	14	14	14	13	11	8	6	6	5	5	5	7
9	4	4	4	5	6	6	7	7	8	11	13	15	16	16	16	16	15	12	8	6	4	4	3	2	9
10	0	-1	-2	-2	-2	-2	-3	-0	4	6	8	10	11	11	12	12	12	11	7	4	2	2	2	1	4
11	1	1	1	1	1	1	0	3	7	10	13	15	16	16	17	18	18	17	15	12	10	9	8	7	9
12	7	7	7	6	6	6	6	7	9	12	14	13	14	15	15	16	15	14	13	12	12	15	16	16	11
13	16	17	17	17	17	17	18	18	18	20	22	23	24	25	25	26	26	24	22	20	19	18	18	16	20
14	15	14	12	10	9	9	9	11	15	17	19	20	20	21	21	21	20	18	15	12	10	9	8	8	14
15	8	8	9	9	10	10	10	11	12	12	12	11	11	11	11	11	11	12	12	12	12	11	10	9	11
16	9	9	9	9	8	8	8	8	11	14	15	16	17	17	17	17	16	15	15	13	11	11	10	10	12
17	9	9	9	8	8	7	7	8	9	10	12	16	18	19	20	20	17	13	10	9	8	7	7	7	11
18	8	7	7	6	5	4	4	5	8	9	10	11	11	12	12	13	13	12	10	7	5	4	4	3	8
19	3	2	2	1	1	1	2	4	7	9	11	12	13	12	13	13	12	10	7	5	4	3	3	3	6
20	3	2	2	3	3	3	4	5	7	8	9	10	11	10	11	10	10	10	9	9	9	10	10	11	7
21	12	12	12	13	13	13	13	13	16	18	21	22	21	19	18	17	16	16	14	13	12	10	9	8	15
22	8	8	8	8	9	8	8	7	7	7	8	11	13	15	16	17	18	17	15	13	12	10	9	8	11
23	7	6	6	5	4	3	3	6	10	13	15	17	17	17	17	18	18	17	15	13	12	11	10	8	11
24	6	5	4	4	4	4	5	9	13	16	18	20	21	22	22	23	23	22	20	18	17	14	13	11	14
25	10	9	8	7	7	7	7	7	6	7	7	8	8	8	7	7	7	6	5	4	3	2	2	2	6
26	2	2	3	3	3	3	3	3	3	3	3	5	8	9	9	10	9	8	5	3	2	1	1	-0	4
27	-1	-1	-2	-3	-3	-3	-3	-0	3	5	7	8	9	9	9	10	9	8	4	2	1	-1	-2	-3	3
28	-4	-4	-5	-5	-5	-5	-4	0	5	8	10	12	13	12	12	12	12	10	7	5	4	3	3	3	4
29	4	4	5	6	6	6	6	7	8	9	11	12	13	14	13	13	13	14	15	15	15	15	16	17	11
30	17	17	17	17	17	17	16	16	16	18	17	17	18	18	18	20	20	20	18	16	14	14	13	13	17
Avg	6	6	5	5	5	5	5	6	8	10	11	13	13	14	14	14	14	13	11	9	8	8	7	7	9
S D	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4
S/A	0.87	0.93	0.97	1	1.03	1.07	1.05	0.74	0.52	0.47	0.43	0.39	0.36	0.35	0.34	0.34	0.34	0.36	0.43	0.51	0.58	0.63	0.68	0.76	0.47
Min	-4	-4	-5	-5	-5	-5	-4	-3	-0	0	0	2	2	3	4	5	5	4	4	2	1	-1	-2	-3	1
Max	17	17	17	17	17	17	18	18	18	20	22	23	24	25	25	26	26	24	22	20	19	18	18	17	20

Data Recovery: 0% missing; 0% failed QC -- 8640 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 2001

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	1	0	0	0	1	1	2	3	3	2	3	4	2	3	3	3	1	3	3	1	2	2	2	2	2
2	1	0	0	1	1	1	0	0	0	1	0	1	2	2	2	2	2	2	3	2	1	1	1	1	1
3	1	2	1	1	1	2	2	2	2	3	3	2	1	1	1	1	1	2	2	1	1	1	1	1	2
4	2	2	2	2	3	3	3	5	4	3	3	2	3	2	2	0	0	0	0	0	0	0	0	1	2
5	2	1	1	1	1	1	1	2	3	3	4	5	5	5	5	5	4	2	1	0	1	2	2	3	2
6	2	1	2	4	4	3	3	4	6	5	6	6	6	6	7	7	6	5	5	4	4	5	4	4	5
7	4	5	5	4	4	4	4	3	4	4	4	3	3	3	3	2	3	2	1	1	1	1	1	0	3
8	2	1	2	2	1	2	1	1	2	1	1	2	3	3	4	4	4	3	3	2	2	2	2	2	2
9	2	2	2	2	3	3	3	3	4	4	3	3	3	3	5	4	3	3	2	2	2	2	2	1	3
10	1	1	1	1	1	1	1	1	3	3	2	3	2	2	2	2	2	1	3	2	2	2	2	2	2
11	2	2	2	2	2	1	1	1	3	4	4	4	5	6	5	6	5	4	2	0	1	1	1	1	3
12	1	1	1	1	3	4	3	4	4	4	4	5	4	4	4	3	3	3	2	2	2	4	4	4	3
13	5	3	3	3	3	6	5	3	4	6	7	7	6	6	6	6	5	4	2	2	2	3	4	4	4
14	3	4	2	1	2	2	3	3	4	5	6	6	5	6	5	4	2	1	2	2	1	1	1	1	3
15	1	1	1	1	1	0	1	2	3	2	2	1	3	3	3	4	3	2	1	0	2	3	3	3	2
16	3	2	3	3	3	3	2	2	2	2	2	3	4	3	2	4	2	1	1	1	0	0	0	0	2
17	1	0	0	1	0	0	0	1	2	2	1	1	2	2	3	3	4	3	2	2	1	1	1	3	2
18	2	2	2	2	1	2	2	3	4	5	5	4	5	4	4	4	4	4	3	2	2	1	1	2	3
19	1	2	2	1	2	2	2	3	5	5	5	5	5	4	4	4	4	3	3	3	2	1	1	1	3
20	2	1	2	1	1	2	3	4	5	6	6	7	7	6	7	6	7	7	7	7	7	6	6	7	5
21	7	7	8	8	10	7	4	2	2	3	2	2	3	4	4	3	2	3	2	2	2	2	2	2	4
22	2	2	1	2	2	4	4	3	3	4	4	5	5	5	5	5	5	4	4	3	3	3	2	2	3
23	2	2	2	1	1	2	2	3	3	4	4	4	5	6	6	6	5	4	2	2	2	2	1	0	3
24	0	0	1	1	1	1	2	2	3	4	4	5	6	7	7	7	6	6	4	4	4	2	2	3	3
25	2	4	3	3	2	3	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2	1	3
26	1	2	1	1	2	1	2	3	3	1	2	2	3	3	3	3	3	3	3	2	2	3	2	1	2
27	2	2	2	2	2	2	1	2	3	3	3	2	2	3	3	2	2	4	3	2	1	0	0	0	2
28	0	0	0	0	0	1	1	1	2	2	2	2	2	3	4	2	3	4	4	3	2	2	3	2	2
29	3	2	3	3	3	3	3	3	3	4	4	6	6	6	5	5	6	6	8	7	8	7	6	6	5
30	6	5	6	6	6	4	3	2	3	4	5	6	5	5	4	4	4	3	1	1	1	1	1	1	4
Avg	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	3	3	3	2	2	2	2	2	3
SD	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
S/A	0.71	0.76	0.83	0.78	0.77	0.63	0.53	0.43	0.37	0.41	0.45	0.45	0.39	0.39	0.4	0.44	0.48	0.5	0.63	0.73	0.78	0.73	0.75	0.79	0.35
Min	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1
Max	7	7	8	8	10	7	5	5	6	6	7	7	7	7	7	7	7	7	8	7	8	7	6	7	5

Data Recovery: 0% missing; 0% failed QC -- 8640 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 2001

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	329	100	90	24	35	70	74	147	140	145	169	159	165	150	129	107	133	310	320	340	336	347	9	32	115
2	46	50	95	62	90	85	70	189	236	242	206	272	340	22	17	42	31	351	336	355	47	83	122	100	25
3	101	111	130	145	156	177	215	258	270	265	268	287	306	24	41	294	275	281	272	286	299	247	259	277	256
4	270	262	247	247	248	245	238	282	275	257	249	227	232	237	242	236	265	325	0	252	187	298	297	311	254
5	130	151	193	147	139	152	131	130	136	148	145	136	154	152	176	152	164	167	150	166	184	179	163	182	155
6	181	126	129	158	134	142	141	127	135	151	135	144	167	144	144	132	145	131	156	186	141	166	143	137	145
7	137	141	142	171	152	168	136	146	175	169	153	147	168	151	154	150	121	144	138	90	87	93	88	84	148
8	95	126	184	194	185	204	204	154	215	257	333	317	293	33	67	336	323	320	312	317	352	35	42	41	338
9	39	21	28	25	29	21	53	75	91	128	139	157	103	92	103	113	116	258	240	237	214	209	199	152	102
10	72	131	143	142	147	151	138	166	157	166	165	154	137	134	123	117	135	177	295	300	327	1	3	1	143
11	23	38	41	42	52	53	47	22	46	42	47	64	57	61	57	56	66	81	69	51	32	16	29	33	53
12	51	51	197	213	235	257	242	248	250	262	252	265	269	273	260	278	259	260	255	278	341	23	19	7	273
13	3	13	2	359	13	19	47	72	62	73	78	82	66	63	97	84	75	70	76	73	62	79	117	115	63
14	107	132	123	115	51	54	69	84	93	107	97	109	98	97	100	125	114	117	294	323	324	292	312	294	98
15	331	308	292	285	293	248	308	355	20	37	42	317	297	274	291	299	307	311	77	120	169	154	149	170	299
16	185	181	219	208	233	241	245	255	255	251	302	283	313	289	305	301	311	294	347	296	250	310	122	66	262
17	103	110	124	141	137	85	95	104	111	114	168	113	52	92	95	165	280	289	287	315	333	57	130	155	122
18	142	149	156	147	155	164	164	162	174	170	160	196	176	180	174	183	183	171	207	214	192	192	182	172	174
19	181	173	194	190	205	196	212	233	243	237	240	258	238	247	257	260	255	256	266	268	268	261	221	230	240
20	239	253	253	225	230	224	231	224	240	242	249	253	250	256	264	258	263	256	252	267	255	260	265	279	254
21	289	277	292	266	223	194	206	223	274	320	309	288	263	302	322	309	262	237	271	262	302	325	326	335	271
22	323	335	321	7	8	28	35	21	21	34	34	12	26	28	26	32	27	16	33	53	40	34	21	359	24
23	3	360	4	353	13	352	350	1	25	23	358	345	352	350	343	4	351	356	340	320	336	4	20	339	355
24	324	262	283	260	264	276	294	270	264	277	283	300	295	307	311	316	312	314	308	294	65	115	117	112	303
25	118	111	126	101	107	105	125	133	134	145	145	149	146	167	172	159	147	158	170	181	196	205	213	214	145
26	228	207	231	305	9	359	53	47	45	358	43	54	86	88	91	121	143	147	139	135	121	123	122	73	101
27	73	61	59	58	68	52	56	69	71	56	45	85	45	40	31	16	23	205	182	179	182	227	260	65	65
28	120	0	30	21	44	43	47	88	109	123	170	162	155	249	254	238	199	201	214	210	209	202	191	184	197
29	165	162	154	153	152	149	161	162	166	169	192	203	199	209	209	207	211	212	210	218	220	216	222	250	200
30	261	256	243	254	276	277	278	284	283	330	16	353	347	347	347	343	352	340	291	262	284	275	283	295	305
Avg	119	159	199	203	189	177	145	150	160	160	145	184	207	73	100	87	245	246	253	256	250	194	174	194	189

154	155	159	168	138	160	155	157	157	176	172	196	194	165	171	178	197	226	218	229	213	168	156	170	183
99	95	87	96	87	94	89	88	84	91	93	91	97	102	101	101	97	88	94	85	99	103	95	105	93
0.64	0.61	0.55	0.57	0.63	0.58	0.57	0.56	0.54	0.52	0.54	0.47	0.5	0.61	0.59	0.57	0.49	0.39	0.43	0.37	0.46	0.61	0.61	0.62	0.51
3	0	2	7	8	19	35	1	20	23	16	12	26	22	17	4	23	16	0	51	32	1	3	1	24
331	360	321	359	293	359	350	355	283	358	358	353	352	350	347	343	352	356	347	355	352	347	326	359	355

Data Recovery: 0% missing; 0% failed QC -- 8640 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 2001

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	1	0	0	0	2	2	3	5	6	4	6	7	6	5	5	5	3	4	4	2	3	2	3	3	3
2	2	1	1	1	2	2	0	0	0	1	1	2	3	4	4	3	3	2	4	3	1	1	2	2	2
3	2	2	2	2	2	3	4	3	3	4	4	3	2	1	1	1	2	3	3	2	2	2	2	2	2
4	3	3	3	3	4	4	4	8	6	4	4	4	5	4	4	1	0	0	0	0	1	1	1	1	3
5	4	2	2	2	2	3	3	4	5	7	8	9	9	9	9	9	7	5	2	0	3	4	5	6	5
6	5	3	5	6	7	6	6	8	11	10	10	11	10	12	13	12	10	10	9	8	9	8	7	7	8
7	7	8	8	8	7	7	7	5	7	8	7	6	6	5	5	4	5	4	2	1	1	2	1	0	5
8	2	2	3	3	2	3	2	2	3	3	2	3	5	5	6	6	5	4	4	4	3	3	3	4	3
9	3	3	3	3	4	4	5	5	6	7	6	6	6	5	7	7	5	5	4	3	3	3	3	2	4
10	1	2	2	2	3	3	2	3	6	6	4	5	4	4	4	4	3	3	4	3	2	3	3	3	3
11	3	3	3	3	2	2	1	2	4	6	6	7	8	8	8	9	7	5	3	1	1	2	2	1	4
12	1	1	2	2	4	5	5	5	6	6	6	6	6	5	6	5	4	4	3	3	3	6	7	7	5
13	8	5	4	5	5	9	7	5	6	9	10	10	9	9	10	9	8	6	3	3	3	5	7	7	7
14	6	7	4	2	3	3	4	5	6	8	9	9	8	9	7	6	5	2	3	2	2	2	1	1	5
15	2	1	2	2	2	1	1	3	4	4	3	3	5	5	5	6	5	3	0	4	5	5	5	5	3
16	5	4	5	5	5	5	4	4	3	3	3	4	5	4	3	5	3	2	1	1	1	1	1	0	3
17	1	1	1	3	1	0	1	3	4	3	2	2	3	4	5	6	6	5	4	3	2	2	2	5	3
18	4	5	4	4	3	4	4	5	7	8	9	7	8	7	7	7	7	7	4	3	3	2	2	3	5
19	2	3	3	2	4	4	4	5	8	8	7	7	7	6	6	7	6	5	4	5	2	1	2	2	5
20	2	2	3	2	2	4	4	6	8	10	10	10	11	10	10	9	11	11	10	10	10	9	9	10	8
21	10	11	12	12	14	10	6	4	4	4	4	4	5	7	5	4	4	4	3	3	3	3	2	2	6
22	2	3	2	3	5	7	7	5	6	7	8	9	8	9	10	9	9	8	7	7	6	5	3	3	6
23	3	3	3	2	2	2	3	5	5	6	7	7	7	8	9	9	8	7	3	3	3	3	2	1	5
24	0	1	1	1	1	1	2	3	5	6	6	8	9	10	10	11	9	8	6	6	7	4	4	4	5
25	4	6	5	5	4	4	6	6	7	7	6	6	5	5	4	4	4	3	3	3	3	3	2	2	4
26	2	3	2	1	3	2	3	5	5	2	3	4	5	5	5	5	5	5	4	4	5	3	3	3	4
27	4	4	4	4	4	3	3	4	5	5	4	4	6	5	4	4	4	5	4	4	2	0	0	0	4
28	0	0	0	0	1	1	2	2	3	4	3	4	4	5	6	4	5	6	5	4	2	2	4	3	3
29	4	4	4	5	5	4	5	5	4	5	6	9	9	9	8	9	9	9	10	10	11	11	9	9	7
30	8	8	9	9	9	7	5	4	4	7	8	8	8	8	6	6	5	4	2	1	2	2	2	2	6
Avg	3	3	3	3	4	4	4	4	5	6	6	6	6	6	6	6	6	5	4	4	3	3	3	3	5
SD	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	2	2	3	2
S/A	0.68	0.74	0.76	0.73	0.71	0.61	0.51	0.37	0.36	0.38	0.42	0.41	0.35	0.37	0.38	0.42	0.45	0.49	0.61	0.7	0.72	0.7	0.72	0.77	0.34
Min	0	0	0	0	1	0	0	0	0	1	1	2	2	1	1	1	0	0	0	0	1	0	0	0	2
Max	10	11	12	12	14	10	7	8	11	10	10	11	11	12	13	12	11	11	10	10	11	11	9	10	8

Data Recovery: 0% missing; 0% failed QC -- 8640 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 2001

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	1012	1012	1012	1011	1012	1012	1012	012	1012	1012	1012	1012	1011	1010	1009	1008	1008	1008	1008	1009	1008	1008	1008	1007	1010	
2	1007	1006	1006	1005	1005	1006	1005	005	1005	1005	1005	1005	1003	1002	1002	1002	1003	1003	1003	1003	1004	1005	1005	1005	1004	
3	1005	1006	1005	1005	1005	1006	1007	008	1008	1008	1008	1008	1008	1008	1007	1007	1007	1008	1008	1009	1009	1010	1009	1009	1008	
4	1009	1008	1008	1008	1008	1008	1009	006	1008	1008	1009	* 1007	* 1005	* 1005	* 1004	* 1004	1003	*	*	* 1002	* 1002	* 1002	* 1001	1001	922	*
5	1000	* 1000	* 1000	1000	* 999	* 999	*	*	*	*	*	*	*	*	* 1000	* 1000	1000	1000	1001	1001	1002	1002	1002	1002	667	*
6	1001	1001	1000	1000	1000	1000	999	999	998	997	997	996	996	995	995	995	996	998	999	1000	1001	1001	1002	1002	999	
7	1003	1004	1004	1004	1005	1005	1006	007	1008	1008	1008	1009	1009	1009	1009	1010	1010	1011	1012	1012	1013	1013	1013	1013	1008	
8	1013	1014	1014	1014	1014	1015	1015	016	1016	1016	1016	1016	1015	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1014	
9	1012	1011	1010	1010	1009	1009	1009	009	1009	1009	1010	1010	1009	1008	1007	1008	1008	1009	1010	1011	1012	1012	1013	1013	1010	
10	1014	1014	1014	1014	1014	1015	1015	016	1017	1017	1017	1017	1017	1016	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1016	
11	1018	1018	1018	1017	1018	1019	1019	019	1019	1019	1019	1019	1018	1016	1016	1015	1015	1016	1017	1017	1018	1018	1019	1019	1018	
12	1019	1019	1019	1019	1019	1020	1021	021	1022	1022	1022	1021	1020	1019	1018	1017	1015	1014	1014	1013	1012	1012	1011	1010	1017	
13	1008	1008	1007	1005	1005	1004	1004	005	1005	1005	1004	1001	999	998	998	998	997	998	999	1000	1000	1001	1002	1003	1002	
14	1004	1005	1005	1005	1006	1006	1007	008	1009	1009	1009	1009	1009	1008	1008	1009	1009	1010	1011	1012	1013	1012	1012	1012	1009	
15	1012	1013	1012	1011	1010	1012	1012	012	1012	1011	1010	1009	1007	1005	1005	1003	1001	1001	1001	1002	1004	1005	1006	1007	1008	
16	1007	1009	1009	1009	1010	1011	1011	012	1012	1012	1012	1012	1011	1010	1009	1008	1007	1007	1008	1008	1008	1009	1009	1009	1009	
17	1009	1010	1010	1010	1011	1012	1012	013	1013	1014	1014	1014	1013	1012	1012	1011	1011	1012	1012	1013	1013	1014	1014	1014	1012	
18	1015	1015	1015	1016	1017	1017	1018	018	1019	1020	1020	1021	1021	1020	1020	1020	1020	1021	1022	1022	1024	1024	1024	1024	1020	
19	1024	1024	1025	1025	1025	1025	1026	026	1027	1028	1028	1028	1027	1026	1026	1026	1026	1027	1027	1027	1028	1028	1027	1027	1026	
20	1026	1026	1026	1025	1025	1025	1025	024	1024	1024	1024	1023	1023	1023	1021	1020	1019	1018	1017	1017	1016	1015	1014	1013	1021	
21	1012	1011	1007	* 1006	*	* 1005	* 1006	* 007	1007	*	* 1002	* 1001	* 1001	* 1000	1000	1000	1000	999	999	999	1000	1000	*	999	836	*
22	999	*	*	*	*	* 1000	* 1001	* 002	* 1002	* 1003	* 1004	1004	1004	1003	1002	1002	1002	1003	1004	1005	1006	1007	1008	1008	836	*
23	1009	1009	1009	1009	1010	1010	1011	011	1012	1012	1012	1011	1010	1009	1008	1008	1008	1009	1009	1010	1011	1011	1012	1012	1010	
24	1013	1013	1013	1013	1013	1013	1014	014	1013	1013	1013	1012	1011	1009	1008	1007	1007	1007	1007	1008	1010	1011	1012	1012	1011	
25	1013	1013	1014	1014	1015	1015	1016	016	1017	1017	1018	1017	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1013	1013	1015	
26	1012	1012	1011	1011	1012	1012	1013	014	1015	1015	1015	1015	1015	1014	1014	1014	1014	1015	1016	1017	1018	1019	1020	1020	1015	
27	1020	1020	1020	1020	1021	1022	1023	023	1024	1024	1024	1024	1023	1023	1022	1022	1022	1023	1023	1024	1025	1025	1025	1025	1023	
28	1025	1025	1025	1025	1025	1026	1026	027	1027	1027	1027	1027	1026	1025	1024	1024	1024	1024	1023	1024	1024	1024	1024	1024	1025	
29	1023	1023	1022	1022	1021	1022	1022	022	1021	1021	1020	1019	1018	1017	1016	1015	1014	1014	1014	1013	1012	1012	*	*	933	
30	*	*	*	*	*	*	*	*	* 1003	* 1003	1004	1004	1004	1004	1004	1004	1005	1005	1005	1006	1006	1006	1006	1007	670	*
Avg	1012	1012	1012	1012	1012	1012	1013	1013	1013	1014	1014	1013	1012	1011	1010	1010	1010	1010	1011	1011	1011	1012	1012	1012	972	
SD	7	7	7	7	7	8	7	7	7	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	94	
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	0.1	
Min	999	1000	1000	1000	999	999	999	999	998	997	997	996	996	995	995	995	996	998	999	999	1000	1000	1001	999	667	
Max	1026	1026	1026	1025	1025	1026	1026	1027	1027	1028	1028	1028	1027	1026	1026	1026	1026	1027	1027	1027	1028	1028	1027	1027	1026	

Data Recovery: 7% missing; 0% failed QC -- 8640 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