

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

Field: GHI

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	9	138	343	525	672	651	387	419	408	268	167	38	0	0	0	0	0	0	4026
2	0	0	0	0	0	0	10	145	356	543	688	763	721	717	598	426	219	41	0	0	0	0	0	0	5228
3	0	0	0	0	0	0	8	128	314	510	575	681	672	514	454	222	102	22	0	0	0	0	0	0	4202
4	0	0	0	0	0	0	13	155	371	557	699	779	789	735	610	441	236	51	0	0	0	0	0	0	5436
5	0	0	0	0	0	0	14	158	361	543	689	760	742	623	581	348	179	30	0	0	0	0	0	0	5028
6	0	0	0	0	0	0	8	149	338	540	380	531	414	583	303	82	137	9	0	0	0	0	0	0	3473
7	0	0	0	0	0	0	17	165	383	573	723	808	820	764	640	465	254	62	0	0	0	0	0	0	5674
8	0	0	0	0	0	0	20	181	400	590	736	820	828	768	632	464	189	60	0	0	0	0	0	0	5688
9	0	0	0	0	0	0	8	42	45	89	252	182	408	464	167	75	32	14	0	0	0	0	0	0	1781
10	0	0	0	0	0	0	5	19	62	89	121	160	261	208	202	115	81	19	0	0	0	0	0	0	1343
11	0	0	0	0	0	0	25	114 ?	?	?	?	?	?	?	?	?	?	43 ?	0	0	0	0	0	0	182 ?
12	0	0	0	0	0	0	28	116 ?	?	?	?	?	?	?	?	?	?	45 ?	0	0	0	0	0	0	189 ?
13	0	0	0	0	0	0	28	116 ?	?	?	?	?	464 ?	465 ?	?	277 ?	131	41	0	0	0	0	0	0	1522 ?
14	0	0	0	0	0	0	3	28	47	41	96	105	71	88	42	18	13	4	0	0	0	0	0	0	555
15	0	0	0	0	0	0	3	35	77	47	126	86	111	183	205	131	122	51	0	0	0	0	0	0	1177
16	0	0	0	0	0	0	34	117 ?	?	?	?	?	?	739 ?	648	470	264	70	0	0	0	0	0	0	2344 ?
17	0	0	0	0	0	0	37	211	423	607	744	822	829	765	641	473	253	65	0	0	0	0	0	0	5867
18	0	0	0	0	0	0	30	209	420	604	733	807	815	757	637	456	248	68	1	0	0	0	0	0	5786
19	0	0	0	0	0	0	42	219	437	625	768	849	860	794	661	456	274	67	0	0	0	0	0	0	6051
20	0	0	0	0	0	0	47	233	452	643	767	848	852	793	647	470	283	84	1	0	0	0	0	0	6120
21	0	0	0	0	0	0	52	150	77	65	109	205	112	214	100	76	60	27	0	0	0	0	0	0	1248
22	0	0	0	0	0	0	46	245	466	654	791	867	872	809	686	505	280	61	1	0	0	0	0	0	6284
23	0	0	0	0	0	0	52	234	482	510	376	715	637	516	571	456	225	81	2	0	0	0	0	0	4858
24	0	0	0	0	0	0	43	261	432	497	525	640	739	759	596	296	118	37	0	0	0	0	0	0	4943
25	0	0	0	0	0	0	31	145	178	231	253	532	561	618	474	335	155	43	1	0	0	0	0	0	3557
26	0	0	0	0	0	0	7	48	73	110	238	182	212	144	175	227	55	15	0	0	0	0	0	0	1485
27	0	0	0	0	0	0	14	45	45	97	63	100	67	91	174	165	105	14	1	0	0	0	0	0	981
28	0	0	0	0	0	1	50	150	239	472	626	612	596	615	350	191	88	24	0	0	0	0	0	0	4012
29	0	0	0	0	0	1	76	272	489	676	812	886	773	745	462	313	203	84	1	0	0	0	0	0	5792
30	0	0	0	0	0	1	77	273	499	683	817	893	896	836	700	461	291	99	2	0	0	0	0	0	6528
31	0	0	0	0	0	0	86	291	472	643	817	893	927	722	508	342	216	111	3	0	0	0	0	0	5817
Avg	0	0	0	0	0	0	30	155	307	436	519	598	587	567	460	311	172	48	0	0	0	0	0	0	3780
S D	0	0	0	0	0	0	23	76	162	228	260	284	278	239	203	150	82	27	1	0	0	0	0	0	2104
S/A	0	0	0	0	0	3.06	0.76	0.49	0.53	0.52	0.5	0.48	0.47	0.42	0.44	0.48	0.47	0.56	1.45	0	0	0	0	0	0.56
Min	0	0	0	0	0	0	3	19	45	41	63	86	67	88	42	18	13	4	0	0	0	0	0	0	182
Max	0	0	0	0	0	1	86	291	499	683	817	893	927	836	700	505	291	111	3	0	0	0	0	0	6528

Daylight Data Recovery: 0% missing; 9% 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: 7.12 uV/Wm-2
Serial Number: 17897F3
Calibration Date: 9/13/96
Note: Instrument was changed during month.

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

Field: DNI

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	89	572	768	850	910	737	172	208	259	365	379	158	0	0	0	0	0	0	5466
2	0	0	0	0	0	0	118	609	811	894	940	927	797	910	908	838	698	298	0	0	0	0	0	0	8748
3	0	0	0	0	0	0	6	341	592	766	522	614	550	292	336	50	5	1	0 ?	0	0	0	0	0	4076
4	0	0	0	0	0	0	123	617	823	902	938	950	945	927	892	848	731	361	0	0	0	0	0	0	9057
5	0	0	0	0	0	0	124	598	751	817	901	864	748	440	591	257	151	8	0	0	0	0	0	0	6250
6	0	0	0	0	0	0	2	355	504	725	150	195	64	472	162	21	132	1	0	0	0	0	0	0	2783
7	0	0	0	0	0	0	129	586	790	881	938	966	968	959	931	887	771	437	0	0	0	0	0	0	9244
8	0	0	0	0	0	0	175	679	859	924	961	981	972	941	888	866	462	370	0	0	0	0	0	0	9077
9	0	0	0	0	0	0	0	0	0	0	9	2	51	74	1	0	1	0	0	0	0	0	0	0	138
10	0	0	0	0	0	0	1	1	0	1	1	2	19	2	2	1	0	0	0	0	0	0	0	0	29
11	0	0	0	0	0	0	4	15 ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	5 ?	0	0	0	0	0	0	24 ?
12	0	0	0	0	0	0	5	15 ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	4 ?	0	0	0	0	0	0	24 ?
13	0	0	0	0	0	0	4	18 ?	? ?	? ?	? ?	2 ?	4 ?	? ?	2 ?	0	0	0	0	0	0	0	0	0	29 ?
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	7
15	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	1	0	0	0	0	0	0	9
16	0	0	0	0	0	0	4	15 ?	? ?	? ?	? ?	? ?	846 ?	845	784	651	317	1	0	0	0	0	0	0	3464 ?
17	0	0	0	0	0	0	181	593	765	839	882	897	886	849	813	750	542	142	0	0	0	0	0	0	8139
18	0	0	0	0	0	0	93	547	727	808	827	839	837	821	793	710	533	241	1	0	0	0	0	0	7776
19	0	0	0	0	0	0	233	619	784	862	905	927	934	911	854	702	612	229	0	0	0	0	0	0	8571
20	0	0	0	0	0	0	260	657	813	886	877	925	915	898	794	711	651	356	2	0	0	0	0	0	8743
21	0	0	0	0	0	0	101	42	1	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0	150
22	0	0	0	0	0	0	173	647	801	869	907	914	906	889	873	811	630	127	2	0	0	0	0	0	8548
23	0	0	0	0	0	0	155	532	597	306	69	456	356	199	453	542	246	130	4	0	0	0	0	0	4045
24	0	0	0	0	0	0	32	380	496	319	158	367	463	695	598	185	94	2	0	0	0	0	0	0	3789
25	0	0	0	0	0	0	1	23	12	5	5	66	56	171	163	105	11	0	0	0	0	0	0	0	618
26	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	12	0	0	0	0	0	0	0	0	15
27	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
28	0	0	0	0	0	0	41	9	6	93	151	48	112	158	21	2	0	0	0	0	0	0	0	0	642
29	0	0	0	0	0	3	331	635	795	874	908	908	444	430	52	35	126	111	5	0	0	0	0	0	5656
30	0	0	0	0	0	1	278	613	773	851	883	899	884	869	802	532	420	261	3	0	0	0	0	0	8068
31	0	0	0	0	0	3	284	628	609	559	417	604	604	512	307	172	149	147	0	0	0	0	0	0	4996
Avg	0	0	0	0	0	0	95	334	484	520	491	522	453	465	441	351	276	120	1	0	0	0	0	0	4135
S D	0	0	0	0	0	1	101	285	352	390	417	404	391	376	371	351	281	142	1	0	0	0	0	0	3614
S/A	0	0	0	0	0	3.32	1.06	0.85	0.73	0.75	0.85	0.77	0.86	0.81	0.84	1	1.02	1.18	2.01	0	0	0	0	0	0.87
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	5
Max	0	0	0	0	0	3	331	679	859	924	961	981	972	959	931	887	771	437	5	0	0	0	0	0	9244

Daylight Data Recovery: 0% missing; 9% 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: 6.83 uV/Wm-2
Serial Number: 17828E6
Calibration Date: 9/13/96
Note: Instrument was changed during month.

Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State University - March 1999

Field: DHI

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	5	35	57	69	69	102	248	267	238	96	62	20	0	0	0	0	0	0	1267
2	0	0	0	0	0	0	5	34	51	61	63	77	106	76	57	50	37	11	0	0	0	0	0	0	629
3	0	0	0	0	0	0	9	57	75	85	206	206	226	291	233	187	93	19	0	0	0	0	0	0	1686
4	0	0	0	0	0	0	7	36	52	61	68	72	77	78	69	55	40	15	0	0	0	0	0	0	629
5	0	0	0	0	0	0	7	40	62	81	74	101	153	277	198	211	130	28	0	0	0	0	0	0	1363
6	0	0	0	0	0	0	7	72	125	126	265	364	352	227	198	68	86	8	0	0	0	0	0	0	1899
7	0	0	0	0	0	0	8	44	64	74	75	74	74	70	64	52	39	17	0	0	0	0	0	0	654
8	0	0	0	0	0	0	9	38	51	61	66	68	72	78	75	55	51	19	0	0	0	0	0	0	643
9	0	0	0	0	0	0	7	38	42	81	230	166	341	374	152	69	29	13	0	0	0	0	0	0	1541
10	0	0	0	0	0	0	4	17	56	81	109	144	231	186	181	103	73	17	0	0	0	0	0	0	1203
11	0	0	0	0	0	0	11	32 ?	?	?	?	?	?	?	?	?	?	15 ?	0	0	0	0	0	0	59 ?
12	0	0	0	0	0	0	12	34 ?	?	?	?	?	?	?	?	?	?	16 ?	0	0	0	0	0	0	61 ?
13	0	0	0	0	0	0	14	40 ?	?	?	?	?	403 ?	403 ?	?	233 ?	123	36	0	0	0	0	0	0	1252 ?
14	0	0	0	0	0	0	3	25	42	37	86	95	65	80	38	16	12	3	0	0	0	0	0	0	502
15	0	0	0	0	0	0	3	31	69	42	114	78	101	166	185	118	110	48	0	0	0	0	0	0	1065
16	0	0	0	0	0	0	20	47 ?	?	?	?	?	?	90 ?	86	73	56	27	0	0	0	0	0	0	399 ?
17	0	0	0	0	0	0	19	54	70	81	85	88	93	99	91	85	70	40	0	0	0	0	0	0	874
18	0	0	0	0	0	0	17	60	80	92	110	116	117	112	101	90	72	33	1	0	0	0	0	0	1000
19	0	0	0	0	0	0	18	54	71	81	87	88	84	83	84	84	73	31	0	0	0	0	0	0	837
20	0	0	0	0	0	0	21	52	67	78	95	84	87	87	98	97	68	33	1	0	0	0	0	0	868
21	0	0	0	0	0	0	48	134	69	58	98	189	99	190	89	68	53	24	0	0	0	0	0	0	1120
22	0	0	0	0	0	0	23	59	78	89	92	100	103	101	86	77	60	44	1	0	0	0	0	0	913
23	0	0	0	0	0	0	34	76	197	312	312	304	298	309	229	153	129	61	2	0	0	0	0	0	2416
24	0	0	0	0	0	0	43	147	182	269	395	311	313	192	169	199	76	33	0	0	0	0	0	0	2329
25	0	0	0	0	0	0	28	137	155	209	227	452	492	462	343	276	140	37	1	0	0	0	0	0	2957
26	0	0	0	0	0	0	6	44	65	97	209	163	187	128	154	206	49	13	0	0	0	0	0	0	1321
27	0	0	0	0	0	0	13	40	40	86	56	88	59	81	154	146	92	12	1	0	0	0	0	0	870
28	0	0	0	0	0	0	45	135	212	386	470	551	461	459	310	166	79	21	0	0	0	0	0	0	3294
29	0	0	0	0	0	0	33	68	80	84	83	96	354	348	389	273	140	68	1	0	0	0	0	0	2017
30	0	0	0	0	0	0	40	77	90	95	101	101	107	106	122	150	127	51	2	0	0	0	0	0	1168
31	0	0	0	0	0	0	44	81	146	236	271	290	380	271	261	230	152	82	3	0	0	0	0	0	2446
Avg	0	0	0	0	0	0	18	59	87	115	152	169	203	196	159	127	80	29	0	0	0	0	0	0	1267
S D	0	0	0	0	0	0	14	34	48	86	108	125	133	123	89	71	37	18	1	0	0	0	0	0	779
S/A	0	0	0	0	0	0	0.77	0.57	0.55	0.74	0.71	0.74	0.66	0.63	0.56	0.56	0.46	0.63	1.44	0	0	0	0	0	0.61
Min	0	0	0	0	0	0	3	17	40	37	56	68	59	70	38	16	12	3	0	0	0	0	0	0	59
Max	0	0	0	0	0	0	48	147	212	386	470	551	492	462	389	276	152	82	3	0	0	0	0	0	3294

Daylight Data Recovery: 0% missing; 9% 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: 9.38 uV/Wm-2
Serial Number: 25782F3
Calibration Date: 9/13/96
Note: Instrument was changed during month.

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

Field: Temp

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	9	9	7	6	6	5	5	5	6	8	9	10	10	11	11	10	10	10	9	8	7	7	6	6	8
2	5	4	3	3	3	3	2	3	6	9	10	12	13	14	15	15	16	15	13	11	9	9	8	8	9
3	8	8	8	8	9	10	12	14	16	18	20	21	22	21	21	21	20	20	16	10	9	8	7	6	14
4	6	5	5	5	5	4	4	4	4	5	7	8	9	10	10	10	10	9	8	7	6	5	4	3	6
5	2	1	1	0	0	1	1	2	4	5	7	7	8	8	8	8	7	6	5	4	4	4	4	4	4
6	5	5	6	6	7	8	8	9	12	15	16	18	18	19	19	19	19	19	17	16	16	16	15	15	14
7	15	14	12	10	8	6	3	3	2	3	3	4	4	5	5	6	5	5	3	3	2	1	1	-0	5
8	-1	-1	-2	-2	-2	-3	-3	-2	-1	1	1	2	3	4	4	5	4	4	3	2	1	0	-0	-0	1
9	-1	-1	-1	-2	-1	-0	0	1	1	1	2	3	3	4	4	4	4	3	4	4	5	5	4	2	2
10	4	4	3	2	2	2	2	2	2	2	3	3	3	3	4	4	4	3	3	3	2	2	1	1	3
11	1	1	0	-0	-1	-1	-1	0	1	2	4	5	6	7	8	9	10	9	8	6	5	4	4	3	4
12	3	3	3	2	1	0	-0	1	3	4	6	7	9	10	11	12	13	12	10	8	7	7	6	6	6
13	5	5	4	3	2	2	1	2	4	5	6	7	8	8	10	10	9	7	6	5	5	5	5	5	5
14	5	5	5	4	4	4	4	4	4	4	5	6	7	7	8	9	9	10	13	15	16	17	17	18	8
15	16	10	7	7	6	6	6	6	6	5	5	5	4	4	4	4	4	4	4	5	4	4	3	3	5
16	3	2	2	1	1	0	-0	2	4	6	8	9	10	11	12	13	14	14	12	11	9	9	9	8	7
17	7	7	7	7	7	7	7	8	11	14	16	19	21	22	23	23	23	22	20	19	17	16	15	14	15
18	14	13	12	12	12	12	11	13	15	18	21	22	23	24	25	25	25	24	23	22	19	15	13	12	18
19	10	9	8	7	7	6	6	7	9	10	12	13	14	15	16	16	12	11	10	8	8	7	6	7	10
20	6	5	5	6	5	4	4	5	6	7	9	11	12	13	14	11	9	8	7	6	6	6	6	6	7
21	7	7	7	7	8	8	9	11	12	13	14	15	14	15	15	15	16	15	15	14	14	14	13	13	12
22	11	8	8	7	7	7	6	6	7	8	9	10	11	12	13	14	14	13	11	10	9	8	8	8	9
23	7	7	7	6	5	5	6	8	10	11	12	14	15	16	16	17	17	16	15	14	13	13	13	13	11
24	13	13	13	13	13	13	13	15	17	18	19	20	21	22	23	22	22	20	19	18	17	16	16	15	17
25	15	15	15	14	13	12	12	12	12	12	12	13	14	14	14	12	11	10	9	9	9	8	7	6	12
26	6	6	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	4	4	5
27	4	4	4	4	4	4	4	5	5	6	6	6	5	4	4	5	5	5	5	5	5	4	3	3	5
28	3	4	4	4	5	5	5	6	7	9	11	12	13	14	15	15	15	14	13	13	12	10	9	8	9
29	8	8	7	7	7	7	7	9	13	16	18	19	20	20	21	21	21	20	18	17	17	16	14	15	14
30	14	13	12	11	10	8	8	11	14	16	17	17	18	18	18	18	16	15	13	12	11	10	10	9	13
31	9	8	7	7	7	7	8	10	14	17	18	19	20	20	20	19	19	18	17	16	15	15	15	14	14
Avg	7	6	6	6	5	5	5	6	8	9	10	11	12	12	13	13	13	12	11	10	9	9	8	8	9
S/D	5	4	4	4	4	4	4	4	5	5	6	6	6	6	6	6	6	6	6	5	5	5	5	5	4
S/A	0.64	0.64	0.67	0.7	0.73	0.75	0.79	0.7	0.64	0.61	0.57	0.54	0.52	0.51	0.49	0.48	0.49	0.51	0.53	0.55	0.56	0.57	0.61	0.64	0.51
Min	-1	-1	-2	-2	-2	-3	-3	-2	-1	1	1	2	3	3	4	4	4	3	3	2	1	0	-0	-0	1
Max	16	15	15	14	13	13	13	15	17	18	21	22	23	24	25	25	25	24	23	22	19	17	17	18	18

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

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

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

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

Instrument: HMP
Calibration Constant: 1.00 deg C/mV
Serial Number: P0520031 T
Calibration Date: 6/1/95

**Relative Humidity
Hourly and Daily Averages
Percent**

Elizabeth City State Universit - March 1999

Field: RH

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	76	75	72	76	72	71	76	72	65	58	52	47	44	43	42	44	46	48	51	54	55	59	59	61	59
2	62	65	69	69	68	69	71	68	61	51	45	41	37	34	30	30	31	35	40	53	68	73	78	80	55
3	80	80	83	86	81	80	88	91	85	77	66	61	60	60	63	67	70	73	82	98	96	93	77	71	78
4	65	65	65	61	55	54	55	55	53	51	47	44	39	37	35	33	34	36	39	41	45	47	50	53	48
5	59	61	64	66	67	66	66	62	56	49	45	37	36	39	34	36	43	57	61	68	71	76	80	84	58
6	85	88	86	85	86	84	87	92	80	64	60	57	57	57	58	58	56	64	75	79	81	83	85	73	
7	82	61	47	46	46	52	56	47	42	41	41	40	38	36	35	34	33	31	33	32	34	35	34	38	42
8	40	43	45	48	50	52	54	53	53	53	52	48	40	35	31	28	30	31	36	42	45	55	62	66	46
9	71	71	73	73	71	67	61	61	61	64	63	60	67	74	75	80	85	95	98	100	?	?	?	?	61
10	?	?	?	100	100	98	98	97	96	94	90	88	81	79	75	74	75	76	78	79	81	83	84	87	75
11	82	77	78	75	77	72	73	60	56	53	47	42	40	38	36	34	33	34	40	45	49	55	52	53	54
12	54	51	51	54	59	64	66	64	56	47	40	35	31	27	24	20	19	19	29	31	35	36	37	37	41
13	38	39	42	47	52	57	61	59	57	56	53	49	48	46	43	44	47	68	74	73	76	77	78	79	57
14	81	82	83	93	96	95	93	97	98	99	?	100	?	100	100	?	?	?	?	?	?	?	?	?	71
15	99	?	100	?	?	?	?	?	?	?	?	100	?	?	?	?	?	?	?	?	?	?	?	?	63
16	72	80	82	84	84	86	86	77	64	55	45	43	44	43	40	37	36	37	41	52	69	66	64	71	61
17	74	75	74	71	74	74	76	73	64	54	47	38	34	34	34	29	28	32	36	38	46	57	62	66	54
18	67	67	69	71	72	72	76	70	60	48	40	38	37	34	32	32	32	34	37	40	35	38	44	47	50
19	57	67	70	70	69	68	69	59	49	45	42	40	36	32	32	34	50	55	61	68	76	78	82	82	58
20	88	92	83	71	74	77	77	69	64	57	50	43	39	34	34	55	62	69	75	81	83	86	85	82	68
21	74	68	67	72	76	79	78	76	82	92	96	99	95	96	95	94	91	90	97	100	?	?	?	?	80
22	96	96	97	93	93	91	82	68	53	44	42	40	40	38	34	31	30	33	37	41	49	53	55	57	58
23	66	72	82	87	86	76	83	84	73	67	62	52	45	38	39	39	36	37	45	53	59	62	69	74	62
24	79	83	86	90	92	94	97	95	90	80	71	62	57	55	51	53	56	60	63	69	70	75	76	75	74
25	76	81	82	90	92	87	84	78	73	71	71	68	67	71	67	66	70	72	75	77	82	84	95	98	78
26	96	97	95	95	96	93	92	87	86	89	91	91	87	84	84	80	82	88	90	89	86	89	93	87	89
27	91	89	90	90	92	92	92	92	90	89	87	89	93	96	96	94	88	92	89	84	85	90	95	97	91
28	98	98	99	99	95	91	85	76	70	61	53	47	42	39	39	38	42	51	56	58	63	81	91	91	69
29	90	92	91	90	90	90	84	71	59	40	27	26	25	24	22	21	24	29	32	34	35	37	45	43	51
30	45	51	53	57	59	67	68	56	39	31	26	21	20	18	19	21	27	29	33	39	48	59	60	64	42
31	70	76	80	83	83	82	78	72	52	37	30	30	31	35	39	41	47	51	57	61	68	73	77	78	60
Avg	74	75	74	76	77	77	77	73	66	62	56	54	52	49	48	48	50	54	58	63	66	68	71	73	62
S/D	16	16	15	15	15	13	12	14	16	19	20	22	23	22	22	22	22	23	22	22	20	18	18	18	13
S/A	0.22	0.21	0.21	0.2	0.2	0.17	0.16	0.19	0.23	0.31	0.35	0.41	0.44	0.45	0.46	0.47	0.44	0.42	0.37	0.35	0.3	0.27	0.26	0.24	0.21
Min	38	39	42	46	46	52	54	47	39	31	26	21	20	18	19	20	19	19	29	31	34	35	34	37	41
Max	99	100	99	100	100	98	98	97	98	100	100	100	100	96	96	95	94	95	98	100	100	98	97	99	91

Data Recovery: 0% missing; 4% failed QC -- 8928 total 5-minute measurements.

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

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

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

Instrument: HMP
 Calibration Constant: 1.00 %/mV
 Serial Number: P0520031 H
 Calibration Date: 6/1/95

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

Field: Temp CR10

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	9	8	7	6	5	4	3	5	7	9	11	12	12	12	12	12	11	10	8	7	6	5	5	4	8
2	3	2	2	1	1	1	0	2	6	9	12	14	15	16	16	17	17	16	13	11	9	8	7	6	9
3	6	6	6	6	6	8	10	12	15	18	21	23	23	23	22	21	20	18	12	9	8	7	6	14	
4	6	5	4	4	4	3	3	4	5	7	8	10	11	12	12	12	11	10	8	6	4	3	2	1	6
5	0	-1	-1	-2	-3	-2	-2	1	4	7	9	11	12	12	12	11	10	7	5	4	3	3	2	2	4
6	3	4	5	5	5	6	7	8	12	16	18	18	20	20	21	20	20	19	18	16	16	16	15	14	13
7	14	13	12	11	8	6	4	4	4	5	6	7	8	7	8	8	7	6	3	2	1	-0	-1	-1	6
8	-2	-3	-3	-4	-4	-5	-5	-3	0	3	4	5	6	6	7	7	6	5	2	-2	-2	-2	-3	-3	0
9	-4	-4	-3	-3	-3	-2	-1	-0	1	2	3	4	6	5	4	4	3	3	3	3	4	5	5	1	4
10	4	4	3	2	2	2	2	2	2	3	3	3	4	4	5	5	4	4	3	3	2	1	1	-0	3
11	-0	-0	-1	-2	-2	-3	-3	-0	2	4	6	8	9	9	10	11	11	10	7	5	3	1	1	1	4
12	0	1	1	1	-0	-1	-2	0	4	6	8	10	11	12	13	13	14	13	10	8	6	5	5	4	6
13	4	3	2	2	1	0	-0	2	5	7	9	11	11	11	13	13	11	9	7	6	5	4	4	4	6
14	4	4	4	4	3	3	3	3	4	4	5	5	6	7	8	8	9	9	11	13	14	15	16	16	8
15	16	13	9	7	7	6	6	6	6	6	5	5	5	4	5	4	4	4	3	3	2	2	1	1	5
16	1	0	-0	-1	-1	-2	-2	1	5	8	11	13	13	13	14	15	15	14	12	10	8	7	7	7	7
17	6	6	5	6	6	5	6	8	12	15	18	21	23	24	25	25	25	23	20	18	17	15	15	14	15
18	13	12	12	11	10	10	10	12	15	19	21	23	24	25	26	26	26	25	23	21	19	16	13	12	18
19	10	8	7	6	5	4	3	6	10	12	14	16	17	17	18	18	16	13	10	8	7	6	4	4	10
20	4	3	3	3	3	3	3	5	7	10	12	15	16	16	17	16	13	11	8	5	5	4	4	4	8
21	5	6	6	6	6	6	7	10	12	12	13	14	14	15	15	15	15	15	15	14	13	13	13	13	11
22	12	9	8	7	6	6	6	7	9	10	12	13	13	13	14	15	15	13	11	9	7	6	5	4	10
23	4	4	3	2	2	2	4	7	11	13	14	16	19	18	19	19	18	17	15	13	12	12	12	11	11
24	11	12	12	12	12	12	13	15	18	20	21	22	24	24	24	24	23	21	20	18	17	16	15	15	18
25	15	14	14	13	12	12	12	12	12	13	13	15	16	17	17	15	13	11	10	9	9	8	7	6	12
26	6	5	5	4	4	4	5	5	6	5	5	5	6	6	6	6	7	6	5	4	5	4	3	5	5
27	3	3	4	4	4	4	4	4	5	6	6	5	5	4	5	5	5	4	4	4	4	4	3	3	4
28	3	3	3	3	4	4	4	5	7	10	12	14	15	16	17	17	16	15	13	12	11	10	8	7	10
29	6	6	6	5	5	5	6	9	13	17	20	22	23	23	23	22	22	20	18	17	16	14	13	12	14
30	12	11	10	9	7	6	6	10	14	17	19	20	21	21	21	21	19	17	14	11	10	9	8	7	13
31	6	5	3	4	3	3	3	8	14	17	20	21	22	23	22	21	20	19	18	16	15	14	14	13	14
Avg	6	5	5	4	4	4	4	5	8	10	12	13	14	14	14	14	14	13	11	9	8	8	7	6	9
S/D	5	5	4	4	4	4	4	4	5	5	6	6	6	7	7	6	6	6	6	6	5	5	5	5	4
S/A	0.86	0.89	0.92	0.98	1.05	1.12	1.12	0.76	0.59	0.53	0.5	0.48	0.47	0.46	0.45	0.44	0.45	0.48	0.54	0.61	0.66	0.7	0.76	0.82	0.51
Min	-4	-4	-3	-4	-4	-5	-5	-3	0	1	2	3	4	4	4	4	4	3	2	-2	-2	-2	-3	-3	0
Max	16	14	14	13	12	12	13	15	18	20	21	23	24	25	26	26	26	25	23	21	19	16	16	16	18

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

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

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

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

Instrument: CSIT
Calibration Constant: 1.00 deg C/mV
Serial Number: 0
Calibration Date: 6/1/95

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

Field: WS

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	4	4	3	3	3	3	3	5	5	6	7	6	6	7	7	7	6	5	4	3	3	3	2	2	4
2	2	2	2	2	2	2	1	2	3	4	4	4	5	4	3	3	2	1	1	3	2	3	2	2	2
3	2	2	2	1	2	3	3	4	4	5	5	7	8	8	8	8	11	10	10	7	5	7	10	10	6
4	11	10	8	7	8	8	7	7	8	7	7	6	6	6	6	5	5	3	3	2	2	2	2	1	6
5	1	1	1	0	1	1	1	2	4	4	3	3	3	3	2	3	3	2	3	2	1	1	1	1	2
6	1	2	2	3	2	3	1	2	2	4	5	5	5	6	5	4	3	3	2	3	3	4	4	3	3
7	4	4	4	5	4	6	5	5	7	6	5	4	5	5	5	4	5	5	3	3	3	4	5	4	5
8	3	3	3	3	2	2	2	3	3	4	5	5	4	4	3	3	2	2	0	0	0	1	1	0	2
9	0	0	0	0	0	2	1	1	1	4	3	3	4	5	4	3	3	3	2	3	4	3	2	3	2
10	4	5	5	5	3	3	3	3	4	4	3	3	4	3	4	3	3	3	2	2	2	2	2	1	3
11	2	2	2	2	2	2	2	3	4	4	3	3	4	4	4	4	4	3	2	1	0	0	1	1	2
12	1	3	3	3	2	2	2	2	3	4	5	5	4	5	5	5	4	4	3	4	3	3	3	3	3
13	3	3	3	3	2	2	1	2	4	4	2	2	2	2	2	2	1	2	2	3	1	1	1	1	2
14	1	0	0	0	1	2	2	1	2	3	3	3	4	4	4	3	3	4	4	5	6	8	7	7	3
15	5	4	4	3	2	1	3	2	2	2	2	3	3	4	4	4	3	2	1	1	1	1	1	2	3
16	2	1	1	1	1	1	1	1	2	2	2	2	4	4	4	4	4	3	2	3	3	3	2	2	2
17	2	2	3	3	2	2	3	3	3	3	2	2	3	3	3	4	4	3	3	2	3	3	3	3	3
18	3	3	3	2	2	2	2	4	5	5	6	7	6	7	8	7	6	5	3	2	3	4	4	4	4
19	2	3	2	2	1	1	0	2	3	3	3	3	3	3	3	2	4	3	2	2	2	1	0	1	2
20	1	1	1	2	2	2	2	3	3	2	2	1	1	2	1	5	4	4	3	3	3	2	3	3	2
21	3	2	2	2	3	3	3	3	2	3	4	5	5	7	7	5	5	4	3	2	4	3	2	4	4
22	6	4	3	3	2	1	3	4	5	5	5	5	6	6	5	5	4	2	1	1	1	1	1	1	3
23	1	1	0	0	1	2	2	2	2	2	2	2	3	4	4	4	4	3	3	2	2	2	2	1	2
24	2	1	2	2	1	2	1	2	3	4	4	4	4	4	4	4	4	3	2	2	2	2	2	1	3
25	0	0	0	1	2	2	3	3	4	4	4	3	3	4	4	4	4	3	3	3	3	3	3	4	3
26	4	3	4	5	3	3	4	5	5	4	5	5	5	4	5	6	5	5	5	5	4	2	4	4	4
27	4	4	4	3	3	3	3	3	3	4	4	5	5	4	4	4	4	4	4	3	3	3	3	3	4
28	4	4	4	4	3	3	3	3	3	3	4	4	4	4	3	3	2	2	0	0	1	1	1	1	3
29	1	2	2	2	2	2	2	2	2	2	3	3	3	4	3	4	3	2	2	2	2	2	2	3	2
30	3	1	1	0	0	0	1	1	3	4	3	3	4	3	3	3	4	3	2	2	2	2	1	1	2
31	0	0	0	0	0	0	0	1	2	3	4	5	4	5	5	5	4	4	4	3	2	2	1	2	2
Avg	3	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	3
S/D	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	2	2	2	2	1
S/A	0.79	0.77	0.7	0.66	0.66	0.65	0.62	0.51	0.43	0.32	0.33	0.35	0.31	0.34	0.37	0.34	0.4	0.48	0.6	0.54	0.5	0.64	0.79	0.76	0.34
Min	0	0	0	0	0	0	0	1	1	2	2	1	1	2	1	2	1	0	0	0	0	0	0	0	2
Max	11	10	8	7	8	8	7	7	8	7	7	7	8	8	8	8	11	10	10	7	6	8	10	10	6

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

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

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

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

Instrument: NRG
Calibration Constant: 0.76 m/s/mV
Serial Number: 0 WS
Calibration Date: 6/1/95

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

Field: WD

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	200	203	198	203	217	207	196	203	203	197	201	210	207	219	201	198	190	216	204	196	210	222	222	234	205
2	229	201	202	196	201	191	191	201	209	213	215	192	187	187	193	197	194	133	76	65	78	100	113	111	182
3	88	58	56	51	61	58	62	72	82	97	115	123	110	98	96	106	106	97	154	183	155	168	176	183	119
4	174	183	182	190	189	184	192	198	197	198	208	221	214	214	229	228	230	201	221	217	216	231	219	228	200
5	213	228	230	263	269	285	287	325	315	333	343	358	359	18	13	42	46	38	35	58	61	53	30	19	6
6	36	53	45	48	48	60	63	68	115	126	131	141	136	142	134	146	162	157	128	121	131	133	155	158	124
7	201	250	257	250	261	269	264	258	258	265	269	278	260	258	278	255	288	277	271	267	278	269	266	254	264
8	250	258	266	267	249	260	263	261	268	279	288	290	297	292	293	294	317	336	1 ?	281	292	297	297	296	280
9	290	254	215	220	314	332	284	283	283	341	343	25	358	35	43	38	44	14	358	356	6	18	291	264	2
10	269	293	286	280	274	260	279	269	281	282	282	276	271	255	283	271	254	263	254	251	258	232	224	237	271
11	238	246	251	227	233	228	249	231	246	262	252	244	261	225	267	218	228	231	224	220	284	271	257	242	242
12	214	248	255	266	239	235	216	250	237	232	252	247	265	265	226	218	255	258	280	270	261	275	240	237	249
13	251	258	252	259	257	230	233	291	292	302	298	247	275	298	315	318	277	82	62	12	64	87	63	123	287
14	208	242	273	204	348	351	345	347	354	3	26	13	10	27	13	27	41	60	87	85	99	98	115	135	61
15	182	297	294	293	279	218	192	229	267	241	280	272	266	277	274	278	254	260	247	244	239	231	216	236	260
16	225	223	226	222	227	234	209	216	231	243	239	198	188	173	169	155	169	169	141	120	137	143	146	142	178
17	145	137	154	157	165	169	172	196	193	187	186	187	168	142	139	157	159	161	156	139	124	140	140	133	159
18	143	147	153	146	141	149	158	175	180	186	189	183	179	182	185	188	190	204	200	238	323	341	314	291	187
19	341	337	329	323	296	271	227	242	298	262	231	235	251	260	229	303	56	30	32	61	72	85	56	36	306
20	302	298	304	300	293	299	296	297	323	322	348	353	199	226	193	46	54	44	30	44	51	56	57	63	7
21	41	41	26	28	25	23	29	25	26	61	87	104	99	89	89	73	86	83	79	70	92	119	139	185	76
22	236	235	220	242	216	230	207	199	224	202	200	192	202	185	204	201	214	224	215	169	110	131	113	129	207
23	122	109	101	50	307	339	353	16	15	14	16	11	20	42	42	40	72	75	82	74	74	82	72	58	44
24	93	88	90	87	102	107	100	110	143	123	139	164	130	129	117	126	100	110	104	115	137	123	134	209	122
25	181	234	224	245	286	307	310	305	293	288	292	307	349	341	336	344	332	355	332	331	302	319	346	346	320
26	345	345	332	329	339	345	320	322	313	319	310	315	312	321	313	310	311	319	308	313	297	273	269	283	315
27	284	285	288	278	280	283	266	276	281	282	293	278	275	266	252	269	272	257	224	258	264	241	244	234	269
28	197	227	197	200	173	200	196	210	218	218	233	213	223	233	221	246	286	311	306	313	61	122	127	151	215
29	144	166	172	177	196	203	209	213	216	253	224	233	218	196	192	181	185	174	157	154	169	211	228	265	201
30	291	281	282	269	269	220	233	283	298	311	312	314	314	345	354	24	55	58	70	84	94	105	106	116	347
31	138	127	143	129	128	131	130	103	117	120	111	98	95	108	129	120	113	122	111	121	125	123	119	129	115
Avg	214	240	244	243	240	241	235	241	249	249	239	227	225	204	203	191	164	130	144	118	115	143	181	203	223

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

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

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

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

Instrument: NRGV
Calibration Constant: 0.14 deg/mV
Serial Number: 0
Calibration Date: 6/1/95

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

Field: Pk WS

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

Avg	4	4	4	4	4	4	4	5	6	6	6	7	7	7	7	7	6	5	4	4	4	4	4	4	5
S/D	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3	3	2
S/A	0.74	0.72	0.66	0.63	0.61	0.59	0.58	0.45	0.4	0.3	0.3	0.32	0.29	0.31	0.33	0.31	0.35	0.44	0.56	0.52	0.47	0.59	0.71	0.71	0.32
Min	1	0	0	1	0	0	0	1	2	3	3	2	3	3	3	3	2	2	1	0	1	1	1	1	3
Max	17	14	12	11	12	11	11	10	11	12	11	11	12	13	12	12	15	15	15	11	8	11	15	15	9

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

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

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

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

Instrument: NRG
Calibration Constant: 0.76 m/s/mV
Serial Number: 0 WSP
Calibration Date: 6/1/95

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

Field: Press

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

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

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

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

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

Instrument: VSA
 Calibration Constant: 0.10 X + 800b/V
 Serial Number: 493926
 Calibration Date: 6/1/95