

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Watt-Hours per Square Meter**  
**Elizabeth City State Universit - December 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	0	38	209	385	519	533	540	462	332	161	23	0	0	0	0	0	0	0	3203	
2	0	0	0	0	0	0	0	66	218	373	478	529	519	438	310	147	19	0	0	0	0	0	0	0	3097	
3	0	0	0	0	0	0	0	54	187	232	404	467	502	424	170	77	9	0	0	0	0	0	0	0	2525	
4	0	0	0	0	0	0	0	59	199	344	435	484	467	396	278	101	13	0	0	0	0	0	0	0	2776	
5	0	0	0	0	0	0	0	56	202	353	455	504	487	394	291	98	17	0	0	0	0	0	0	0	2856	
6	0	0	0	0	0	0	0	31	164	307	382	319	125	118	23	5	4	0	0	0	0	0	0	0	1478	
7	0	0	0	0	0	0	0	54	201	358	466	520	509	437	303	149	19	0	0	0	0	0	0	0	3017	
8	0	0	0	0	0	0	0	63	178	372	459	509	518	422	313	139	14	0	0	0	0	0	0	0	2986	
9	0	0	0	0	0	0	0	62	130	315	459	383	449	297	197	131	25	0	0	0	0	0	0	0	2448	
10	0	0	0	0	0	0	0	22	85	307	409	353	290	168	15	41	11	0	0	0	0	0	0	0	1700	
11	0	0	0	0	0	0	0	50	199	360	467	522	512	443	318	155	20	0	0	0	0	0	0	0	3046	
12	0	0	0	0	0	0	0	70	184	286	375	504	459	330	206	75	8	0	0	0	0	0	0	0	2497	
13	0	0	0	0	0	0	0	18	93	126	93	157	166	151	95	52	17	0	0	0	0	0	0	0	969	
14	0	0	0	0	0	0	0	13	22	63	125	357	448	427	302	146	20	0	0	0	0	0	0	0	1923	
15	0	0	0	0	0	0	0	15	51	93	129	214	487	417	299	147	21	0	0	0	0	0	0	0	1873	
16	0	0	0	0	0	0	0	27	138	260	335	461	397	276	306	150	25	0	0	0	0	0	0	0	2374	
17	0	0	0	0	0	0	0	25	185	337	445	499	495	421	293	129	15	0	0	0	0	0	0	0	2845	
18	0	0	0	0	0	0	0	18	123	144	269	314	338	238	141	87	10	0	0	0	0	0	0	0	1682	
19	0	0	0	0	0	0	0	4	21	59	62	118	85	51	35	17	9	0	0	0	0	0	0	0	460	
20	0	0	0	0	0	0	0	22	98	195	224	455	456	341	204	39	6	0	0	0	0	0	0	0	2039	
21	0	0	0	0	0	0	0	5	26	79	83	77	63	53	54	17	2	0	0	0	0	0	0	0	459	
22	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
24	0	0	0	0	0	0	0	37	185	334	325	207	182	154	93	58	14	0	0	0	0	0	0	0	1589	
25	0	0	0	0	0	0	0	34	183	330	444	414	360	450	332	170	29	0	0	0	0	0	0	0	2747	
26	0	0	0	0	0	0	0	34	173	330	448	511	510	447	319	131	21	0	0	0	0	0	0	0	2923	
27	0	0	0	0	0	0	0	32	167	321	436	495	495	434	321	166	29	0	0	0	0	0	0	0	2894	
28	0	0	0	0	0	0	0	47	91	183	311	447	290	256	282	125	11	0	0	0	0	0	0	0	2043	
29	0	0	0	0	0	0	0	31	166	326	448	511	512	448	333	172	31	0	0	0	0	0	0	0	2979	
30	0	0	0	0	0	0	0	31	166	322	439	501	503	448	322	167	31	0	0	0	0	0	0	0	2930	
31	0	0	0	0	0	0	0	35	190	315	422	481	423	320	182	136	26	0	0	0	0	0	0	0	2531	
Avg	0	0	0	0	0	0	0	36	146	269	357	409	399	333	230	110	17	0	0	0	0	0	0	0	2158	
S/D	0	0	0	0	0	0	0	18	59	102	134	133	142	128	105	51	8	0	0	0	0	0	0	0	928	
S/A	0	0	0	0	0	0	3.69	0.5	0.4	0.38	0.38	0.32	0.36	0.39	0.46	0.47	0.47	0	0	0	0	0	0	0	0.43	
Min	0	0	0	0	0	0	0	4	21	59	62	77	63	51	15	5	2	0	0	0	0	0	0	0	0	
Max	0	0	0	0	0	0	0	70	218	385	519	533	540	462	333	172	31	0	0	0	0	0	0	0	3203	

Daylight Data Recovery: 6% missing; 0% exceed the 15% QC threshold -- 3621 total daylight 5-minute measurements.

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

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

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

Instrument: PSP  
Calibration Constant: 9.83 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 Universit - December 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	0	11	492	794	879	876	927	895	828	674	229	0	0	0	0	0	0	0	6604	
2	0	0	0	0	0	0	2	409	711	825	872	887	893	843	763	601	181	0	0	0	0	0	0	0	6988	
3	0	0	0	0	0	0	0	66	220	93	529	589	676	413	28	18	8	0	0	0	0	0	0	0	2641	
4	0	0	0	0	0	0	0	321	606	714	736	744	695	628	515	252	56	0	0	0	0	0	0	0	5268	
5	0	0	0	0	0	0	0	290	670	779	829	843	800	651	659	190	43	0	0	0	0	0	0	0	5754	
6	0	0	0	0	0	0	0	8	248	456	435	113	3	3	1	2	1	0	0	0	0	0	0	0	1270	
7	0	0	0	0	0	0	0	298	673	811	868	899	893	864	761	640	222	0	0	0	0	0	0	0	6930	
8	0	0	0	0	0	0	0	273	574	843	876	894	880	701	726	578	119	0	0	0	0	0	0	0	6464	
9	0	0	0	0	0	0	0	70	151	540	559	362	573	173	133	186	210	0	0	0	0	0	0	0	2957	
10	0	0	0	0	0	0	0	16	7	293	528	261	152	125	2	17	3	0	0	0	0	0	0	0	1404	
11	0	0	0	0	0	0	0	365	743	858	908	928	922	898	835	689	257	0	0	0	0	0	0	0	7401	
12	0	0	0	0	0	0	0	299	547	484	521	748	476	304	125	6	0	0	0	0	0	0	0	0	3509	
13	0	0	0	0	0	0	0	1	2	2	0	2	2	1	0	1	3	0	0	0	0	0	0	0	15	
14	0	0	0	0	0	0	0	2	1	1	8	316	521	817	738	588	193	0	0	0	0	0	0	0	3184	
15	0	0	0	0	0	0	0	1	1	1	1	27	776	795	737	593	201	0	0	0	0	0	0	0	3134	
16	0	0	0	0	0	0	0	6	124	318	336	512	391	114	611	565	237	0	0	0	0	0	0	0	3214	
17	0	0	0	0	0	0	0	138	697	831	873	893	889	819	656	367	53	0	0	0	0	0	0	0	6215	
18	0	0	0	0	0	0	0	0	64	12	71	92	183	79	14	24	0	0	0	0	0	0	0	0	539	
19	0	0	0	0	0	0	0	1	1	1	0	1	0	1	2	1	1	0	0	0	0	0	0	0	9	
20	0	0	0	0	0	0	0	7	46	85	17	605	637	466	171	3	7	0	0	0	0	0	0	0	2045	
21	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	7	
22	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
24	0	0	0	0	0	0	0	215	562	532	53	3	2	1	1	0	0	0	0	0	0	0	0	0	1369	
25	0	0	0	0	0	0	0	34	373	718	805	459	352	848	818	688	293	0	0	0	0	0	0	0	5388	
26	0	0	0	0	0	0	0	277	660	787	846	881	883	859	701	367	164	0	0	0	0	0	0	0	6422	
27	0	0	0	0	0	0	0	211	589	761	825	857	862	834	783	658	263	0	0	0	0	0	0	0	6643	
28	0	0	0	0	0	0	0	82	55	67	64	214	7	23	344	108	1	0	0	0	0	0	0	0	965	
29	0	0	0	0	0	0	0	223	626	786	858	889	894	871	809	667	296	0	0	0	0	0	0	0	6919	
30	0	0	0	0	0	0	0	227	633	767	835	865	866	808	603	567	259	0	0	0	0	0	0	0	6429	
31	0	0	0	0	0	0	0	146	599	714	772	780	623	466	170	402	161	0	0	0	0	0	0	0	4833	
Avg	0	0	0	0	0	0	0	138	368	478	514	536	544	493	432	326	119	0	0	0	0	0	0	0	3694	
S/D	0	0	0	0	0	0	0	133	282	334	359	349	347	353	335	277	110	0	0	0	0	0	0	0	2600	
S/A	0	0	0	0	0	0	5.25	0.97	0.76	0.7	0.7	0.65	0.64	0.72	0.77	0.85	0.92	0	0	0	0	0	0	0	0.7	
Min	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
Max	0	0	0	0	0	0	2	409	743	858	908	928	927	898	835	689	296	0	0	0	0	0	0	0	7401	

Daylight Data Recovery: 6% missing; 0% exceed the 15% QC threshold -- 3621 total daylight 5-minute measurements.

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

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

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

Instrument: NIP  
Calibration Constant: 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 University - December 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	0	36	67	67	83	57	51	47	41	30	8	0	0	0	0	0	0	0	486	
2	0	0	0	0	0	0	0	20	38	46	50	53	49	47	42	30	7	0	0	0	0	0	0	0	382	
3	0	0	0	0	0	0	0	48	125	189	127	135	135	220	155	71	8	0	0	0	0	0	0	0	1213	
4	0	0	0	0	0	0	0	22	46	60	67	78	92	96	92	42	9	0	0	0	0	0	0	0	605	
5	0	0	0	0	0	0	0	22	40	50	53	55	64	83	60	51	13	0	0	0	0	0	0	0	493	
6	0	0	0	0	0	0	0	31	80	116	148	245	121	113	23	5	4	0	0	0	0	0	0	0	885	
7	0	0	0	0	0	0	0	22	40	48	51	48	47	44	39	29	6	0	0	0	0	0	0	0	373	
8	0	0	0	0	0	0	0	20	37	40	44	41	62	98	62	28	6	0	0	0	0	0	0	0	438	
9	0	0	0	0	0	0	0	47	93	131	173	180	136	204	128	95	11	0	0	0	0	0	0	0	1199	
10	0	0	0	0	0	0	0	22	80	174	155	193	201	105	15	36	10	0	0	0	0	0	0	0	991	
11	0	0	0	0	0	0	0	15	31	39	39	41	40	37	33	25	5	0	0	0	0	0	0	0	305	
12	0	0	0	0	0	0	0	38	64	94	116	108	194	171	156	71	7	0	0	0	0	0	0	0	1019	
13	0	0	0	0	0	0	0	19	89	122	91	152	161	146	93	51	16	0	0	0	0	0	0	0	941	
14	0	0	0	0	0	0	0	13	22	60	116	?	165	?	169	56	48	33	9	0	0	0	0	0	690	
15	0	0	0	0	0	0	0	16	49	90	126	192	76	57	46	34	9	0	0	0	0	0	0	0	693	
16	0	0	0	0	0	0	0	28	94	130	158	179	174	212	91	37	10	0	0	0	0	0	0	0	1112	
17	0	0	0	0	0	0	0	11	32	38	41	41	43	48	60	54	10	0	0	0	0	0	0	0	378	
18	0	0	0	0	0	0	0	17	103	135	227	256	232	197	133	79	9	0	0	0	0	0	0	0	1388	
19	0	0	0	0	0	0	0	3	20	57	60	115	83	50	34	17	9	0	0	0	0	0	0	0	447	
20	0	0	0	0	0	0	0	22	78	149	209	117	?	115	111	131	38	5	0	0	0	0	0	0	975	
21	0	0	0	0	0	0	0	5	25	76	81	75	61	51	52	16	2	0	0	0	0	0	0	0	444	
22	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
24	0	0	0	0	0	0	0	21	64	126	283	198	176	149	90	55	13	0	0	0	0	0	0	0	1177	
25	0	0	0	0	0	0	0	34	87	57	63	171	167	59	42	30	9	0	0	0	0	0	0	0	717	
26	0	0	0	0	0	0	0	14	36	48	52	53	51	48	57	47	9	0	0	0	0	0	0	0	416	
27	0	0	0	0	0	0	0	14	39	47	52	51	48	46	40	28	9	0	0	0	0	0	0	0	374	
28	0	0	0	0	0	0	0	38	?	79	147	263	312	272	233	140	98	11	0	0	0	0	0	0	1594	
29	0	0	0	0	0	0	0	13	36	45	47	48	46	41	39	30	9	0	0	0	0	0	0	0	353	
30	0	0	0	0	0	0	0	13	36	47	50	50	51	67	94	46	11	0	0	0	0	0	0	0	464	
31	0	0	0	0	0	0	0	21	64	55	58	69	82	83	106	48	12	0	0	0	0	0	0	0	598	
Avg	0	0	0	0	0	0	0	22	58	86	106	120	110	101	74	43	9	0	0	0	0	0	0	0	682	
S/D	0	0	0	0	0	0	0	11	27	45	69	75	65	62	41	22	3	0	0	0	0	0	0	0	387	
S/A	0	0	0	0	0	0	0	0.49	0.47	0.52	0.65	0.62	0.59	0.62	0.56	0.51	0.33	0	0	0	0	0	0	0	0.57	
Min	0	0	0	0	0	0	0	3	20	38	39	41	40	37	15	5	2	0	0	0	0	0	0	0	0	
Max	0	0	0	0	0	0	0	48	125	189	283	312	272	233	156	98	16	0	0	0	0	0	0	0	1594	

Daylight Data Recovery: 6% missing; 1% exceed the 15% QC threshold -- 3621 total daylight 5-minute measurements.

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

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

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

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

**Dry Bulb Temperature (Roof)**  
**Hourly and Daily Averages**  
**Degrees Celsius**  
**Elizabeth City State Universit - December 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	1	1	1	0	-1	-1	-2	-2	-1	0	1	1	2	3	3	3	2	1	1	0	-1	-2	-2	-2	0	
2	-3	-3	-3	-3	-4	-4	-4	-3	-1	2	5	7	9	10	11	11	10	8	7	6	6	5	5	5	3	
3	5	5	5	5	5	5	5	5	6	8	11	13	15	17	17	16	15	14	13	13	12	12	11	10	10	
4	10	10	10	9	9	9	9	9	11	14	16	17	18	20	20	20	18	17	16	16	15	14	14	14	14	
5	13	13	12	12	11	11	10	10	12	15	17	19	20	20	20	19	18	17	16	16	16	16	15	16	15	
6	16	17	17	17	16	16	16	16	18	19	20	21	20	19	19	17	16	15	15	15	15	15	14	11	17	
7	10	9	8	7	7	6	5	5	6	7	8	9	10	11	11	11	11	9	8	7	6	5	5	5	8	
8	4	3	2	2	1	1	1	1	3	8	11	12	12	13	14	14	11	9	9	8	7	7	6	6	7	
9	6	5	5	5	5	5	4	4	5	8	11	13	14	14	14	14	13	11	9	8	8	8	8	8	8	
10	9	9	10	10	10	11	11	12	13	16	18	19	20	21	18	16	16	16	16	16	16	15	14	13	14	
11	12	12	10	8	7	6	5	5	6	7	9	10	11	12	12	12	11	10	8	8	7	6	6	5	9	
12	4	4	3	2	2	1	0	2	5	7	10	12	13	13	13	13	11	10	10	9	9	9	10	10	8	
13	10	10	11	12	13	13	15	15	16	17	18	18	19	19	19	18	17	17	16	16	16	17	17	17	16	
14	16	16	16	16	16	16	16	19	19	19	19	20	21	21	22	21	20	19	17	16	14	13	12	12	17	
15	11	10	10	9	8	7	7	7	7	8	9	12	13	14	14	13	12	12	12	11	11	10	10	10	10	
16	10	10	10	10	10	9	9	9	9	10	10	11	12	11	11	11	11	9	8	8	7	7	6	6	9	
17	5	5	4	4	3	3	3	3	4	7	9	11	12	12	13	12	11	9	9	8	8	8	8	7	7	
18	7	7	7	7	7	7	7	7	7	8	10	12	13	13	13	12	12	11	10	10	10	10	10	10	9	
19	10	10	11	11	11	11	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	
20	13	14	14	14	14	14	15	15	16	17	19	21	22	22	22	21	18	17	16	15	14	13	13	12	16	
21	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	11	10	10	11	
22	9	9	9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	5	5	4	4	4	1
24	3	2	2	1	1	0	0	1	2	4	4	4	4	3	3	1	0	0	-0	-0	-1	-1	-2	-2	1	
25	-2	-3	-3	-4	-4	-4	-5	-4	-4	-3	-2	-2	-1	0	0	0	-0	-1	-2	-3	-3	-4	-4	-4	-3	
26	-4	-4	-4	-4	-4	-3	-3	-2	-1	0	2	4	6	8	9	8	8	7	6	5	5	5	3	2	2	
27	2	1	0	0	0	-0	-0	-0	1	3	5	7	8	8	9	9	8	7	6	6	6	5	5	4	4	
28	3	2	2	2	2	2	1	1	2	3	4	5	4	4	4	4	4	3	3	2	2	2	2	3	3	
29	3	3	3	2	1	-0	-1	-1	1	3	4	5	6	7	7	7	7	5	4	3	3	3	3	3	3	
30	4	4	4	4	4	4	3	4	5	8	10	12	14	15	15	15	14	12	11	11	10	9	9	9	9	
31	8	8	7	7	7	7	7	7	8	10	13	15	16	17	17	18	16	12	10	9	8	8	7	7	10	
Avg	7	7	6	6	6	6	5	6	7	9	10	11	12	13	13	12	11	10	9	9	9	8	8	7	8	
S D	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	
S/A	0.77	0.81	0.84	0.91	0.97	1.04	1.1	1.05	0.86	0.67	0.56	0.51	0.47	0.45	0.44	0.44	0.46	0.5	0.54	0.57	0.6	0.64	0.67	0.69	0.66	
Min	-4	-4	-4	-4	-4	-4	-5	-4	-4	-3	-2	-2	-1	0	0	0	-0	-1	-2	-3	-3	-4	-4	-4	-3	
Max	16	17	17	17	16	16	16	19	19	19	20	21	22	22	22	21	20	19	17	16	16	17	17	17	17	

Data Recovery: 5% 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 Universit - December 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	61	62	62	62	65	68	69	68	64	59	55	50	44	41	38	37	39	42	44	46	52	56	58	63	54				
2	65	66	68	67	68	71	72	69	64	56	46	38	32	30	28	27	29	33	37	35	36	41	43	44	48				
3	51	53	53	50	50	53	54	54	51	48	43	38	35	32	34	39	41	43	44	48	49	50	50	49	46				
4	48	52	51	52	52	52	54	54	49	47	43	40	37	38	39	42	48	53	57	58	63	67	68	68	51				
5	70	72	74	76	77	80	82	82	77	69	58	52	53	54	54	58	63	68	71	75	77	86	98	99	72				
6	99	98	100	?	99	?	99	?	99	?	95	90	84	86	94	95	99	?	?	93	?	95	99	?	95	75			
7	96	96	98	94	84	81	79	76	74	68	65	61	57	55	54	54	60	67	72	77	80	83	85	85	75				
8	92	92	96	98	100	?	?	100	?	99	96	79	59	53	50	49	50	52	65	73	76	81	84	88	93	76			
9	99	100	?	?	?	?	?	?	?	99	?	87	69	62	57	52	57	64	70	76	82	85	86	90	93	58			
10	94	96	95	95	95	93	91	89	86	78	73	69	68	66	83	98	100	?	99	?	97	93	92	90	86	88			
11	90	85	68	56	55	60	61	59	55	52	46	38	36	31	31	34	39	44	48	51	54	56	59	63	53				
12	65	67	71	75	77	80	83	79	69	63	55	49	42	38	36	42	55	61	60	62	67	72	74	73	63				
13	70	66	64	64	70	79	86	88	89	89	89	88	85	83	86	97	99	?	?	?	?	?	?	?	?	58			
14	?	?	?	?	?	?	?	?	?	?	?	?	99	91	81	69	61	60	58	56	61	77	87	92	96	45			
15	100	?	?	?	?	?	?	?	?	?	?	?	99	?	89	85	83	81	86	89	87	90	90	88	88	52			
16	89	90	90	91	89	91	95	94	90	78	72	57	43	35	36	37	38	41	45	48	52	54	52	54	65				
17	57	61	63	64	66	63	60	59	57	47	39	36	35	34	33	43	47	55	61	67	70	73	75	73	56				
18	73	73	74	72	70	74	79	77	72	69	56	48	43	41	45	48	55	58	68	73	75	82	86	87	67				
19	91	92	93	96	96	96	95	94	93	91	90	93	96	98	99	99	100	96	94	96	96	98	?	?	87				
20	?	?	?	?	?	?	?	?	?	100	?	98	96	90	82	71	69	80	92	95	97	97	97	97	97	61			
21	97	98	98	98	98	97	99	98	98	98	97	96	96	96	95	94	95	98	100	100	?	?	?	?	?	77			
22	?	100	?	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8			
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	72	*	73	75	80	83	84	19
24	88	92	93	92	89	91	90	84	75	71	66	68	69	69	73	88	91	91	84	84	82	73	68	65	81				
25	63	58	54	53	58	62	67	68	66	66	68	67	54	42	39	40	46	53	56	58	65	66	70	65	58				
26	71	75	71	75	72	61	62	61	55	51	50	44	37	34	35	38	43	48	50	54	57	59	65	68	56				
27	68	66	68	67	67	70	72	72	67	62	54	48	45	44	40	38	40	45	47	48	46	48	51	54	55				
28	74	85	89	90	92	93	93	88	79	73	69	63	64	63	59	61	63	65	69	73	74	74	79	81	75				
29	82	75	65	70	73	78	79	78	69	56	45	42	40	39	40	42	46	59	66	71	74	76	79	83	64				
30	82	82	81	79	81	81	82	80	75	66	55	49	45	43	40	42	46	53	57	60	62	66	68	70	64				
31	72	74	78	81	82	82	82	80	76	67	56	49	45	43	43	41	48	64	72	79	85	92	96	99	70				
Avg	78	79	78	76	77	77	78	77	76	70	64	61	57	54	54	58	61	64	68	70	72	75	76	77	61				
S D	15	15	16	15	15	14	14	13	16	15	18	20	20	21	21	23	22	19	18	17	17	16	16	16	17				
S/A	0.2	0.19	0.2	0.2	0.19	0.18	0.17	0.17	0.2	0.22	0.27	0.33	0.35	0.38	0.4	0.4	0.36	0.3	0.26	0.24	0.23	0.22	0.21	0.21	0.28				
Min	48	52	51	50	50	52	54	54	49	47	39	36	32	30	28	27	29	33	37	35	36	41	43	44	8				
Max	100	100	100	98	100	99	100	99	100	98	99	99	96	98	99	99	100	100	100	100	97	99	98	99	88				

Data Recovery: 5% missing; 9% 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 Universit - December 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	-0	-0	-0	0	-1	-2	-3	-3	-1	1	3	4	4	5	5	4	3	0	-1	-2	-3	-4	-4	-4	0	
2	-5	-5	-6	-5	-6	-6	-6	-5	-1	3	6	9	11	12	12	12	10	7	5	4	3	3	2	2	2	
3	3	3	3	3	3	3	3	4	5	8	11	14	16	18	17	16	15	13	12	11	11	10	9	9	9	
4	8	8	8	8	8	7	7	8	10	14	17	19	20	21	21	21	19	17	15	14	14	13	13	13	13	
5	12	11	11	11	10	10	9	9	12	16	19	21	22	22	22	21	19	17	16	16	16	16	14	15	15	
6	15	16	16	16	16	15	15	15	17	20	21	23	22	20	19	18	16	15	14	14	14	14	14	13	17	
7	11	9	8	6	5	5	4	4	6	8	10	12	13	14	14	13	11	8	6	5	4	3	2	2	8	
8	1	1	-0	-1	-1	-1	-1	-1	2	7	12	15	16	16	16	15	13	9	7	5	4	3	3	4	6	
9	4	3	2	3	3	3	2	2	5	8	12	14	16	16	15	14	13	10	7	6	6	6	6	6	7	
10	6	7	8	8	8	9	10	11	11	15	19	20	21	22	19	16	15	15	15	15	15	14	13	12	13	
11	11	11	10	8	6	5	3	4	6	9	11	13	14	14	14	13	12	9	7	5	4	4	3	3	8	
12	2	1	1	0	-0	-1	-2	-1	4	7	11	14	16	15	15	14	12	11	9	9	8	9	9	9	7	
13	9	10	10	11	12	13	13	14	15	17	18	18	19	20	20	19	17	17	16	16	16	16	17	17	15	
14	17	16	16	16	16	16	16	17	18	19	19	21	22	23	23	23	21	19	17	15	13	12	11	10	17	
15	10	9	9	8	8	7	7	7	7	8	8	9	13	15	16	15	14	11	10	10	10	9	9	9	10	
16	8	8	8	8	8	8	8	8	9	11	11	13	13	13	12	12	11	9	7	6	5	4	4	4	9	
17	3	3	2	1	1	1	0	1	3	7	11	13	14	15	14	13	11	9	8	7	6	6	6	6	7	
18	6	5	5	5	6	6	5	5	6	7	9	12	13	14	14	13	11	10	9	9	9	9	9	9	9	
19	9	9	10	10	10	11	11	11	12	12	12	13	13	13	13	13	12	12	12	13	12	13	12	13	12	
20	13	13	14	14	14	14	15	15	15	18	19	21	23	24	24	22	20	17	17	16	15	14	13	13	17	
21	12	12	12	11	11	11	11	11	11	11	11	12	12	12	12	12	11	10	10	10	10	10	10	10	11	
22	9	9	9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
24	1	1	-0	-1	-1	-2	-2	-1	2	4	6	6	5	5	4	3	1	0	-0	-0	-1	-2	-3	-3	1	
25	-4	-4	-4	-5	-5	-6	-6	-6	-4	-1	0	1	2	2	2	2	1	-2	-4	-5	-6	-6	-7	-7	-3	
26	-7	-7	-6	-6	-6	-5	-5	-4	-1	1	3	5	8	9	10	9	8	6	4	3	3	3	2	1	1	
27	-0	-1	-2	-2	-2	-2	-2	-2	1	4	7	9	11	11	10	10	9	6	5	5	5	4	3	2	4	
28	2	1	1	1	1	1	-0	-0	2	3	4	7	7	6	6	6	4	3	2	2	1	2	2	2	3	
29	2	2	2	0	-1	-2	-3	0	4	6	8	9	9	9	9	8	7	4	2	1	1	1	1	1	3	
30	1	2	2	2	2	2	2	2	5	8	11	14	15	16	17	16	15	12	10	9	9	8	8	8	8	
31	7	7	6	6	6	6	5	6	8	11	14	17	18	19	18	17	17	13	10	8	7	6	6	5	10	
Avg	6	5	5	5	5	4	4	4	6	9	11	13	14	14	14	13	12	10	8	8	7	7	6	6	8	
S D	6	6	6	6	6	6	7	6	6	5	5	5	6	6	5	5	5	5	5	6	6	6	6	6	5	
S/A	1.05	1.11	1.17	1.26	1.36	1.49	1.62	1.45	0.9	0.61	0.48	0.42	0.4	0.39	0.38	0.39	0.43	0.54	0.65	0.73	0.79	0.84	0.9	0.96	0.7	
Min	-7	-7	-6	-6	-6	-6	-6	-6	-4	-1	0	1	2	2	2	2	1	-2	-4	-5	-6	-6	-7	-7	-3	
Max	17	16	16	16	16	16	16	17	18	20	21	23	23	24	24	23	21	19	17	16	16	16	17	17	17	

Data Recovery: 5% 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 Universit - December 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	3	3	4	4	4	3	3	4	4	5	5	4	5	4	4	4	4	2	2	2	1	2	2	1	3	
2	2	2	2	2	2	1	2	1	1	2	2	3	2	2	2	2	1	1	1	1	1	1	1	2	2	
3	2	2	2	2	1	1	2	2	2	2	3	3	3	3	2	2	1	1	2	2	2	2	2	2	2	
4	2	2	3	3	3	3	3	3	4	5	5	5	5	4	4	3	2	1	1	2	1	2	2	2	3	
5	1	1	2	1	2	1	1	2	1	2	2	3	4	3	3	3	2	3	3	3	2	2	2	5	2	
6	4	5	3	3	2	3	3	2	2	3	3	3	3	2	2	3	2	1	2	3	3	3	4	4	3	
7	4	4	3	3	4	3	3	2	3	3	4	3	3	2	2	2	1	1	1	1	1	1	1	1	2	
8	1	0	0	0	0	0	0	0	1	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	
9	1	0	0	0	1	0	0	0	1	2	2	2	2	1	2	2	2	1	0	1	1	1	1	1	1	
10	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	2	1	4	4	4	5	4	3	2	3	
11	2	3	4	4	4	3	2	2	3	4	2	3	2	3	3	3	2	1	1	1	1	2	1	1	2	
12	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	2	1	1	1	1	2	2	1	0	
13	2	2	1	2	2	1	2	3	3	2	3	2	3	3	3	4	3	2	2	2	3	3	2	2	2	
14	1	1	1	0	1	1	1	5	5	3	3	5	6	6	5	4	4	4	3	1	1	1	0	0	3	
15	1	1	1	0	1	0	0	0	1	1	1	1	1	2	2	3	2	1	3	3	3	3	3	3	1	
16	3	2	2	2	3	2	3	4	4	4	4	4	4	5	5	4	3	2	2	2	2	2	2	2	3	
17	2	2	2	2	1	1	2	2	1	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	2	
18	1	2	2	2	2	1	1	1	1	1	1	2	1	0	1	1	0	1	2	2	2	2	2	2	1	
19	2	3	2	3	2	2	3	3	2	2	2	3	4	4	4	3	4	4	4	6	5	6	5	5	3	
20	5	4	3	2	2	1	2	1	1	2	4	4	4	3	3	4	3	3	3	5	4	4	3	3	3	
21	3	3	3	2	3	3	2	1	1	2	1	2	1	1	1	1	1	2	3	3	2	2	2	2	2	
22	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	0
24	1	1	1	1	1	0	2	3	3	3	3	3	3	4	4	4	4	4	3	3	3	4	3	3	3	
25	3	4	4	3	3	2	2	3	3	4	4	4	3	3	3	3	2	1	0	1	1	1	1	1	2	
26	1	2	2	2	2	3	3	4	5	6	6	7	6	7	6	6	4	2	1	2	3	3	2	2	4	
27	2	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	2	1	1	1	1	1	1	2	2	
28	3	2	2	3	2	2	2	2	2	2	3	3	3	3	2	2	1	1	0	0	1	1	0	1	2	
29	1	2	3	2	2	2	2	2	2	2	3	3	3	2	3	3	2	1	1	1	2	2	2	3	2	
30	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	4	3	2	2	2	2	2	2	2	3	
31	2	2	2	3	3	3	3	2	3	3	3	2	2	2	1	0	2	2	2	2	2	2	1	1	2	
Avg	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	
S/D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
S/A	0.5	0.53	0.49	0.48	0.48	0.51	0.49	0.53	0.56	0.5	0.46	0.42	0.47	0.49	0.45	0.46	0.46	0.56	0.63	0.67	0.58	0.57	0.55	0.61	0.41	
Min	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	1	1	0	0	0	
Max	5	5	4	4	4	3	3	5	5	6	6	7	6	7	6	6	4	4	4	6	5	6	5	5	4	

Data Recovery: 5% 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 Universit - December 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	344	359	323	340	346	327	315	328	314	338	358	348	15	344	340	346	347	352	324	332	305	311	300	312	339		
2	296	304	313	300	317	298	308	320	343	321	343	342	350	296	309	307	307	275	260	268	241	249	247	246	306		
3	238	248	239	240	226	233	239	242	251	243	259	254	266	289	256	233	230	228	227	239	245	247	248	252	248		
4	253	253	252	250	269	254	247	258	249	266	287	298	283	288	257	263	245	243	240	230	225	237	246	254	262		
5	245	235	246	237	239	231	240	243	235	234	221	223	208	209	205	210	198	188	187	191	197	201	210	177	210		
6	199	180	192	212	205	185	195	199	214	207	206	212	201	180	158	300	289	213	175	266	260	295	355	336	219		
7	347	350	333	329	337	292	347	321	332	336	2	338	331	355	345	307	297	319	314	311	303	294	303	342	333		
8	332	331	280	271	287	317	321	307	284	324	117	357	303	275	233	218	219	216	237	182	174	184	220	211	242		
9	223	217	231	234	246	234	220	231	253	259	224	233	238	210	188	171	152	172	190	178	211	214	194	203	210		
10	212	204	192	194	194	178	179	175	186	199	196	226	213	216	261	230	231	265	263	268	282	300	300	331	235		
11	312	30	29	32	22	20	358	9	16	29	15	342	344	311	331	287	289	290	286	308	273	283	298	296	350		
12	294	311	310	306	299	317	247	342	328	13	209	277	310	232	103	152	175	164	169	134	156	159	167	131	214		
13	135	144	131	138	152	152	185	193	188	195	208	192	164	177	201	182	162	144	159	162	181	161	175	170	173		
14	119	133	124	132	154	136	133	181	192	236	243	243	254	248	252	253	263	265	274	306	295	285	266	301	238		
15	289	305	307	2	25	18	50	73	89	134	141	179	170	90	101	132	131	153	173	194	217	225	224	224	174		
16	227	222	210	217	232	238	245	252	283	276	310	284	310	300	279	261	262	263	249	249	237	243	255	267	264		
17	258	269	285	281	270	261	269	270	281	298	311	273	315	291	242	197	191	186	194	207	216	232	223	227	253		
18	224	220	220	242	239	240	223	233	244	237	283	278	285	152	115	125	79	74	83	81	67	60	75	66	188		
19	52	73	51	40	44	35	38	55	51	48	51	43	68	46	51	61	59	79	78	74	67	75	68	63	60		
20	62	71	80	61	58	57	79	84	88	98	130	150	200	198	228	264	259	264	267	257	269	279	286	276	230		
21	266	260	255	260	278	273	282	286	281	312	305	298	310	314	43	343	111	107	114	109	53	6	23	18	303		
22	47	64	33	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	51	
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	296	268	250	249	261	265	259
24	299	322	317	308	308	336	359	18	31	59	79	65	69	57	52	31	31	11	18	15	349	351	356	353	24		
25	350	337	6	357	338	327	318	340	359	353	340	13	12	357	339	8	342	337	329	302	287	265	258	253	346		
26	237	233	241	233	232	240	225	234	237	235	238	250	246	240	249	245	257	282	243	244	284	315	333	313	247		
27	309	311	289	270	274	277	283	308	314	303	309	324	307	280	279	286	264	268	264	298	316	292	327	1	296		
28	24	30	40	30	42	28	38	55	38	29	64	58	52	70	72	72	20	42	146	260	245	178	202	230	46		
29	304	334	314	313	329	304	314	313	328	317	346	331	15	330	274	273	278	179	186	197	193	196	194	202	299		
30	213	228	229	242	239	246	236	246	244	245	235	254	246	221	249	227	243	233	221	227	229	218	224	238	236		
31	229	229	227	232	239	247	257	261	289	277	330	318	281	310	293	341	103	110	101	91	82	98	116	123	254		
Avg	286	292	289	285	287	272	270	269	274	285	292	286	284	272	267	261	260	237	215	228	250	263	274	270	264		

Data Recovery: 5% 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 Universit - December 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	6	6	7	7	6	6	7	7	8	9	7	8	7	7	7	7	5	4	3	2	3	3	2	6	
2	3	3	4	3	3	2	3	2	3	4	4	5	4	4	4	4	3	1	1	1	1	1	2	2	3	
3	3	3	3	3	2	2	3	3	3	3	4	5	5	5	4	3	2	2	2	3	3	3	3	3	3	
4	3	3	4	3	4	4	5	4	6	8	8	8	7	6	6	4	2	2	2	2	2	2	3	3	4	
5	2	2	2	2	2	2	2	3	2	3	4	4	6	5	5	4	4	5	5	5	3	3	3	7	4	
6	7	7	6	5	4	4	4	3	4	6	6	5	4	4	3	5	4	2	3	4	4	5	7	8	5	
7	8	7	6	6	7	6	5	5	5	6	7	6	5	4	4	3	3	1	1	1	1	1	1	1	4	
8	1	1	0	0	0	1	1	1	1	0	1	2	2	2	3	2	2	1	1	1	1	1	1	2	1	
9	1	0	1	1	1	0	0	1	1	3	3	3	3	2	3	3	2	1	1	2	2	2	1	2	2	
10	3	3	3	2	2	2	3	3	4	5	6	7	7	7	7	4	2	6	6	7	7	6	5	4	5	
11	4	6	7	6	6	4	3	3	4	6	4	5	4	5	5	5	3	2	2	1	2	2	2	2	4	
12	2	1	1	2	2	1	1	1	1	1	1	2	3	2	2	1	2	2	1	2	3	3	2	1	2	
13	2	2	2	3	2	2	3	4	5	3	4	4	4	5	6	6	4	3	3	3	4	4	4	3	4	
14	2	2	1	1	1	2	2	7	8	4	5	7	9	8	8	6	6	5	5	3	1	2	1	1	4	
15	1	1	1	1	1	1	0	1	2	2	3	2	2	2	3	4	4	2	4	5	5	4	4	4	2	
16	4	3	3	3	4	3	4	5	6	6	6	7	8	8	8	6	5	3	2	2	2	3	3	2	4	
17	2	2	2	2	2	2	2	2	2	3	4	4	5	4	4	4	3	3	3	3	3	3	2	2	3	
18	2	2	2	2	2	2	2	1	2	2	2	4	2	1	2	2	1	1	2	3	2	3	3	3	2	
19	3	4	3	4	3	4	5	5	4	4	4	4	6	6	6	5	6	6	7	9	9	9	8	8	5	
20	7	6	5	4	4	3	3	2	3	4	6	6	6	6	5	6	5	4	5	7	6	7	4	5	5	
21	4	4	4	3	4	5	3	3	2	3	3	3	2	2	2	2	2	3	4	5	3	3	4	3	3	
22	4	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	3	2	2	1	
24	2	2	2	2	1	1	3	4	4	5	5	5	5	6	6	7	6	6	5	5	5	6	6	6	4	
25	5	7	7	6	5	4	4	5	6	7	7	6	6	5	6	5	4	2	1	1	1	1	1	1	4	
26	2	3	3	3	4	5	5	6	7	9	9	10	10	10	9	6	2	2	2	5	5	3	3	3	5	
27	3	2	2	2	3	2	3	3	3	4	5	5	5	5	5	3	1	1	2	2	1	1	2	3	3	
28	4	3	4	4	3	3	3	3	3	4	5	5	5	4	3	3	2	1	0	1	1	1	1	1	3	
29	2	4	6	4	3	3	3	3	3	4	5	6	6	5	5	4	2	2	1	2	3	3	3	4	4	
30	4	4	5	5	5	4	5	4	4	5	5	6	6	6	7	6	5	2	3	3	3	3	3	3	4	
31	3	3	3	4	4	4	4	3	4	4	5	4	3	3	2	1	2	3	3	2	2	2	2	2	3	
Avg	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	4	3	3	3	3	3	3	3	3	3	
S/D	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	
S/A	0.57	0.56	0.53	0.52	0.51	0.51	0.49	0.49	0.5	0.47	0.41	0.36	0.4	0.42	0.41	0.43	0.45	0.55	0.63	0.65	0.6	0.6	0.58	0.65	0.4	
Min	1	0	0	0	0	0	0	1	1	0	1	2	2	1	2	1	1	0	1	1	1	1	1	1	0	
Max	8	7	7	7	7	6	6	7	8	9	9	10	10	10	10	9	7	6	7	9	9	9	8	8	6	

Data Recovery: 5% 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 Universit - December 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	1026	1026	1026	1026	1026	1026	1026	1027	1027	1027	1026	1026	1025	1024	1024	1024	1024	1025	1025	1025	1026	1025	1025	1025	1026
2	1024	1024	1025	1024	1025	1025	1026	1026	1026	1027	1027	1026	1025	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024
3	1024	1023	1023	1023	1023	1023	1023	1024	1024	1024	1024	1023	1023	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023	1023	1023
4	1023	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023	1023	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1023	1023	1022
5	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1022	1020	1019	1019	1019	1018	1018	1018	1018	1018	1018	1017	1016	1020
6	1015	1014	1014	1014	1013	1013	1013	1013	1013	1012	1012	1011	1010	1008	1007	1007	1008	1008	1007	1007	1008	1008	1009	1010	1011
7	1012	1013	1014	1014	1015	1017	1017	1019	1019	1020	1020	1020	1020	1020	1021	1021	1022	1022	1023	1023	1024	1025	1025	1025	1020
8	1025	1025	1026	1026	1026	1026	1027	1027	1028	1028	1028	1028	1027	1027	1026	1026	1026	1026	1027	1027	1027	1028	1028	1028	1027
9	1027	1027	1027	1027	1027	1027	1027	1027	1028	1028	1028	1028	1027	1026	1026	1025	1024	1024	1024	1024	1023	1023	1022	1022	1026
10	1021	1021	1020	1020	1019	1019	1018	1017	1016	1016	1015	1013	1011	1010	1010	1010	1009	1009	1009	1010	1010	1010	1011	1011	1014
11	1013	1015	1017	1018	1019	1019	1020	1021	1022	1022	1021	1021	1020	1020	1019	1019	1019	1020	1020	1020	1020	1020	1020	1019	1019
12	1019	1018	1019	1019	1019	1019	1019	1020	1021	1021	1020	1020	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019
13	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1012	1015
14	1012	1011	1010	1010	1009	1009	1008	1007	1007	1008	1008	1007	1006	1006	1006	1007	1008	1009	1010	1011	1012	1013	1013	1014	1009
15	1014	1014	1015	1015	1015	1016	1017	1017	1017	1018	1018	1018	1017	1016	1016	1015	1014	1014	1014	1014	1014	1014	1014	1014	1015
16	1013	1013	1013	1013	1013	1013	1013	1014	1015	1016	1016	1016	1015	1015	1015	1015	1016	1017	1018	1019	1019	1019	1020	1020	1016
17	1020	1020	1021	1021	1022	1022	1023	1023	1024	1024	1024	1023	1022	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1022
18	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1022	1021	1020	1020	1020	1020	1020	1020	1020	1021	1021	1020	1020	1021
19	1020	1019	1019	1018	1018	1019	1019	1019	1020	1020	1020	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019
20	1018	1017	1017	1017	1016	1016	1016	1016	1016	1015	1015	1014	1013	1012	1012	1012	1013	1013	1014	1014	1015	1015	1016	1016	1015
21	1016	1016	1016	1016	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1019	1019	1018	1018	1017	1017	1019	1018	1018
22	1017	1017	1017	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	127
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020	1021	1020	1020	255
24	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1018	1019	1020	1021	1022	1022	1023	1023	1019
25	1023	1023	1024	1024	1025	1025	1026	1026	1027	1028	1028	1027	1026	1026	1025	1025	1025	1025	1025	1025	1025	1024	1024	1024	1025
26	1023	1022	1021	1020	1018	1018	1017	1016	1015	1014	1012	1010	1008	1006	1005	1004	1004	1006	1006	1006	1007	1007	1008	1008	1012
27	1008	1008	1008	1008	1008	1009	1010	1011	1011	1011	1011	1010	1008	1008	1007	1007	1007	1007	1008	1008	1009	1009	1009	1008	1009
28	1008	1008	1008	1008	1008	1008	1009	1008	1008	1008	1008	1007	1005	1004	1003	1001	1001	1002	1002	1002	1002	1002	1002	1001	1005
29	1002	1003	1004	1004	1005	1006	1008	1009	1011	1012	1013	1013	1012	1012	1012	1013	1013	1014	1014	1015	1015	1015	1015	1015	1011
30	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015	1014	1013	1012	1012	1011	1011	1011	1012	1012	1012	1013	1013	1013	1013	1013
31	1013	1012	1012	1012	1012	1012	1013	1013	1014	1015	1015	1015	1014	1014	1015	1015	1016	1017	1018	1019	1020	1020	1021	1021	1015
Avg	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1017	1017	1016	1016	1016	1017	1017	1017	1018	1018	1018	1018	964
S D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	6	6	6	6	6	6	6	6	204
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	0.21	
Min	1002	1003	1004	1004	1005	1006	1008	1007	1007	1008	1008	1007	1005	1004	1003	1001	1001	1002	1002	1002	1002	1002	1002	1001	127
Max	1027	1027	1027	1027	1027	1027	1027	1027	1028	1028	1028	1028	1027	1027	1026	1026	1026	1027	1027	1027	1028	1028	1028	1028	1027

Data Recovery: 5% 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