

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Universit - April 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	44	126	322	506	710	525	652	200	162	121	85	30	4	0	0	0	0	0	3486
2	0	0	0	0	0	0	27	145	278	580	797	743	597	789	631	471	265	87	3	0	0	0	0	0	5413
3	0	0	0	0	0	1	23	81	229	538	773	845	841	787	658	482	218	96	8	0	0	0	0	0	5580
4	0	0	0	0	0	2	78	258	460	530	590	641	799	767	658	402	151	90	3	0	0	0	0	0	5429
5	0	0	0	0	0	2	59	154	333	575	655	877	848	849	725	549	343	128	6	0	0	0	0	0	6105
6	0	0	0	0	0	4	148	304	527	701	823	886	876	843	575	272	187	70	4	0	0	0	0	0	6219
7	0	0	0	0	0	2	68	273	506	690	819	880	892	826	698	460	251	77	6	0	0	0	0	0	6447
8	0	0	0	0	0	4	91	161	285	521	817	891	891	819	633	399	187	61	3	0	0	0	0	0	5764
9	0	0	0	0	0	2	9	67	147	313	314	614	875	786	647	459	284	99	6	0	0	0	0	0	4621
10	0	0	0	0	0	1	10	64	145	293	865	829	801	871	713	516	352	123	7	0	0	0	0	0	5590
11	0	0	0	0	0	1	18	16	20	47	78	50	11	49	42	36	115	31	5	0	0	0	0	0	519
12	0	0	0	0	0	7	83	265	530	727	761	233	215	651	381	247	106	90	11	0	0	0	0	0	4307
13	0	0	0	0	0	10	142	364	579	767	900	968	967	898	759	575	361	142	9	0	0	0	0	0	7441
14	0	0	0	0	0	11	145	367	584	766	886	976	970	898	765	579	367	146	7	0	0	0	0	0	7466
15	0	0	0	0	0	4	66	121	170	326	460	664	348	129	213	282	177	30	1	0	0	0	0	0	2990
16	0	0	0	0	0	3	36	99	358	744	877	937	940	859	727	545	322	135	12	0	0	0	0	0	6595
17	0	0	0	0	0	10	129	266	398	324	521	548	560	700	548	498	354	116	12	0	0	0	0	0	4985
18	0	0	0	0	0	16	158	375	581	759	903	870	526	770	727	517	221	133	11	0	0	0	0	0	6568
19	0	0	0	0	0	17	162	375	463	595	719	871	628	627	607	541	267	156	12	0	0	0	0	0	6039
20	0	0	0	0	0	1	15	102	559	734	851	775	810	832	424	294	323	82	12	0	0	0	0	0	5814
21	0	0	0	0	0	18	155	357	530	668	784	734	950	830	659	462	252	116	15	0	0	0	0	0	6530
22	0	0	0	0	0	17	143	311	555	701	849	915	904	839	713	540	333	108	9	0	0	0	0	0	6938
23	0	0	0	0	0	16	80	282	540	700	838	919	858	764	684	514	219	74	13	0	0	0	0	0	6499
24	0	0	0	0	0	18	130	313	146	563	896	988	992	924	792	608	399	174	19	0	0	0	0	0	6961
25	0	0	0	0	0	33	187	424	611	791	920	972	966	476	736	577	379	171	20	0	0	0	0	0	7263
26	0	0	0	0	0	26	179	386	610	581	882	916	949	811	632	440	234	68	8	0	0	0	0	0	6721
27	0	0	0	0	0	35	149	242	478	703	874	938	782	808	780	583	342	131	17	0	0	0	0	0	6863
28	0	0	0	0	0	3	23	62	99	200	207	197	373	284	139	138	90	60	4	0	0	0	0	0	1880
29	0	0	0	0	0	3	24	60	86	117	162	205	277	263	235	160	98	42	3	0	0	0	0	0	1737
30	0	0	0	0	0	13	80	269	513	660	682	707	673	503	357	215	109	61	10	0	0	0	0	0	4852
Avg	0	0	0	0	0	9	89	223	388	557	707	737	726	682	567	416	246	98	9	0	0	0	0	0	5454
S D	0	0	0	0	0	10	57	121	182	202	233	256	254	246	212	159	97	40	5	0	0	0	0	0	1734
S/A	0	0	0	0	0	1.02	0.65	0.54	0.47	0.36	0.33	0.35	0.35	0.36	0.37	0.38	0.39	0.41	0.55	0	0	0	0	0	0.32
Min	0	0	0	0	0	0	9	16	20	47	78	50	11	49	42	36	85	30	1	0	0	0	0	0	519
Max	0	0	0	0	0	35	187	424	611	791	920	988	992	924	792	608	399	174	20	0	0	0	0	0	7466

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 4716 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 - April 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	1	19	75	137	289	65	178	10	3	0	0	0	1	0	0	0	0	0	779
2	0	0	0	0	0	0	0	17	48	459	613	416	211	598	507	502	338	145	2	0	0	0	0	0	3856
3	0	0	0	0	0	0	0	1	12	299	659	692	669	669	603	461	154	61	6	0	0	0	0	0	4286
4	0	0	0	0	0	1	149	387	494	274	254	322	532	652	659	378	18	87	0	0	0	0	0	0	4208
5	0	0	0	0	0	0	11	11	20	276	315	612	727	880	877	841	753	523	58	0	0	0	0	0	5905
6	0	0	0	0	0	14	426	495	778	802	804	749	669	687	356	40	21	0	0	0	0	0	0	0	5841
7	0	0	0	0	0	0	10	324	582	733	776	747	797	790	760	512	259	123	11	0	0	0	0	0	6425
8	0	0	0	0	0	2	102	4	5	246	774	828	829	801	638	295	87	8	0	0	0	0	0	0	4620
9	0	0	0	0	0	4	3	1	2	12	9	293	733	659	570	423	345	104	4	0	0	0	0	0	3160
10	0	0	0	0	0	0	0	1	4	29	655	553	536	852	761	627	682	408	38	0	0	0	0	0	5144
11	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	10	1	0	0	0	0	0	0	15
12	0	0	0	0	0	12	52	199	684	835	639	4	15	230	155	116	109	196	63	0	0	0	0	0	3309
13	0	0	0	0	0	70	530	762	862	914	939	950	950	935	903	847	747	541	91	0	0	0	0	0	10040
14	0	0	0	0	0	89	565	788	885	929	927	942	958	942	915	864	767	410	17	0	0	0	0	0	9999
15	0	0	0	0	0	0	4	2	1	28	46	149	34	5	5	32	42	1	0	0	0	0	0	0	351
16	0	0	0	0	0	0	1	0	183	787	853	833	798	787	773	705	533	333	39	0	0	0	0	0	6624
17	0	0	0	0	0	7	221	310	107	5	63	63	73	322	306	558	646	294	68	0	0	0	0	0	3044
18	0	0	0	0	0	123	570	753	835	873	880	679	165	427	570	513	199	254	63	0	0	0	0	0	6902
19	0	0	0	0	0	98	476	454	228	397	361	616	147	254	503	663	281	373	72	0	0	0	0	0	4924
20	0	0	0	0	0	0	0	23	631	761	632	346	499	688	225	118	355	51	17	0	0	0	0	0	4345
21	0	0	0	0	0	76	426	540	558	390	481	202	766	683	544	335	147	38	5	0	0	0	0	0	5192
22	0	0	0	0	0	48	314	417	676	669	751	796	773	757	728	675	533	183	6	0	0	0	0	0	7329
23	0	0	0	0	0	4	1	295	585	610	696	767	631	529	590	561	138	27	22	0	0	0	0	0	5453
24	0	0	0	0	0	23	86	344	0	371	801	902	924	920	910	883	810	621	158	0	0	0	0	0	7754
25	0	0	0	0	0	117	605	784	856	885	904	888	849	214	723	771	709	550	131	0	0	0	0	0	8985
26	0	0	0	0	0	96	475	578	583	388	672	586	752	532	392	233	104	0	0	0	0	0	0	0	5392
27	0	0	0	0	0	75	57	54	224	558	771	709	357	494	773	663	459	235	0	0	0	0	0	0	5427
28	0	0	0	0	0	0	0	0	0	0	1	1	3	1	1	1	0	1	0	0	0	0	0	0	9
29	0	0	0	0	0	0	0	0	0	0	0	2	1	3	1	0	0	0	1	0	0	0	0	0	8
30	0	0	0	0	0	0	0	65	295	329	187	136	128	58	17	2	0	0	0	0	0	0	0	0	1218
Avg	0	0	0	0	0	29	170	254	340	433	525	495	490	513	492	421	308	186	29	0	0	0	0	0	4685
S D	0	0	0	0	0	41	219	277	328	319	320	326	334	317	308	299	278	195	41	0	0	0	0	0	2758
S/A	0	0	0	0	0	1.43	1.29	1.09	0.96	0.74	0.61	0.66	0.68	0.62	0.63	0.71	0.9	1.05	1.41	0	0	0	0	0	0.59
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	8
Max	0	0	0	0	0	123	605	788	885	929	939	950	958	942	915	883	810	621	158	0	0	0	0	0	10040

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 4716 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 - April 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	37	113	254	376	458	451	479	180	148	107	75	26	4	0	0	0	0	0	2707
2	0	0	0	0	0	0	24	132	239	238	278	353	389	269	255	181	135	60	3	0	0	0	0	0	2555
3	0	0	0	0	0	1	20	70	201	298	220	221	227	209	206	208	150	89	9	0	0	0	0	0	2129
4	0	0	0	0	0	1	51	120	187	316	356	340	288	209	171	166	130	68	3	0	0	0	0	0	2407
5	0	0	0	0	0	2	54	140	307	343	355	287	161	92	74	64	53	35	4	0	0	0	0	0	1969
6	0	0	0	0	0	3	72	107	87	115	138	194	244	238	286	246	176	60	4	0	0	0	0	0	1969
7	0	0	0	0	0	2	60	136	163	144	154	189	155	141	125	147	150	48	5	0	0	0	0	0	1618
8	0	0	0	0	0	4	73	138	246	290	151	135	128	124	142	209	142	57	3	0	0	0	0	0	1841
9	0	0	0	0	0	2	8	58	129	283	281	317	192	204	204	195	135	75	6	0	0	0	0	0	2090
10	0	0	0	0	0	1	9	56	130	239	275	296	285	137	144	136	83	45	5	0	0	0	0	0	1840
11	0	0	0	0	0	1	16	14	18	41	67	43	10	44	36	32	102	27	4	0	0	0	0	0	456
12	0	0	0	0	0	6	72	175	123	102	206	211	183	422	246	166	51	50	8	0	0	0	0	0	2021
13	0	0	0	0	0	6	42	62	72	79	82	81	80	79	76	70	57	35	5	0	0	0	0	0	826
14	0	0	0	0	0	6	38	55	61	65	77	94	71	70	69	62	53	60	6	0	0	0	0	0	787
15	0	0	0	0	0	3	58	105	148	287	399	491	292	116	193	239	149	26	1	0	0	0	0	0	2507
16	0	0	0	0	0	2	32	86	220	134	118	144	179	155	128	114	98	62	10	0	0	0	0	0	1482
17	0	0	0	0	0	9	73	141	328	282	457	483	464	394	300	157	84	59	8	0	0	0	0	0	3239
18	0	0	0	0	0	9	45	65	78	89	123	223	358	377	273	199	132	84	7	0	0	0	0	0	2062
19	0	0	0	0	0	11	66	194	315	279	372	280	465	390	214	139	151	76	7	0	0	0	0	0	2960
20	0	0	0	0	0	1	13	83	157	136	271	424	316	210	235	218	166	69	11	0	0	0	0	0	2310
21	0	0	0	0	0	12	61	121	172	336	340	504	206	203	219	249	177	105	13	0	0	0	0	0	2719
22	0	0	0	0	0	14	70	128	125	166	158	142	152	149	137	117	97	59	8	0	0	0	0	0	1523
23	0	0	0	0	0	14	70	130	156	203	191	170	231	261	205	151	141	63	11	0	0	0	0	0	1998
24	0	0	0	0	0	15	105	151	125	230	148	101	85	78	69	58	47	33	8	0	0	0	0	0	1252
25	0	0	0	0	0	13	46	56	63	78	89	104	134	266	160	94	69	45	11	0	0	0	0	0	1227
26	0	0	0	0	0	19	62	118	219	245	248	322	200	304	302	283	174	58	7	0	0	0	0	0	2561
27	0	0	0	0	0	31	126	202	307	222	142	219	401	327	152	153	127	62	15	0	0	0	0	0	2486
28	0	0	0	0	0	3	20	54	85	170	179	171	330	245	120	118	77	51	4	0	0	0	0	0	1626
29	0	0	0	0	0	3	22	52	74	102	140	178	237	225	202	138	84	36	3	0	0	0	0	0	1495
30	0	0	0	0	0	11	69	226	299	347	456	516	490	428	319	183	94	52	8	0	0	0	0	0	3498
Avg	0	0	0	0	0	7	50	110	170	208	231	256	248	218	180	153	112	56	7	0	0	0	0	0	2005
S D	0	0	0	0	0	7	28	50	86	97	119	136	128	108	75	62	41	19	3	0	0	0	0	0	698
S/A	0	0	0	0	0	1	0.55	0.45	0.51	0.47	0.51	0.53	0.52	0.49	0.42	0.4	0.37	0.33	0.5	0	0	0	0	0	0.35
Min	0	0	0	0	0	0	8	14	18	41	67	43	10	44	36	32	47	26	1	0	0	0	0	0	456
Max	0	0	0	0	0	31	126	226	328	376	458	516	490	428	319	283	177	105	15	0	0	0	0	0	3498

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 4716 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 - April 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	14	13	13	13	13	14	14	16	18	20	21	22	23	21	18	19	18	18	18	18	18	18	17	17	17	
2	17	17	17	17	17	17	17	17	18	19	20	21	21	21	21	21	20	17	16	15	13	13	11	10	17	
3	9	9	9	9	10	10	11	11	12	14	16	18	19	19	19	19	18	17	16	15	14	14	14	14	14	
4	14	14	14	15	15	15	16	18	20	22	23	24	26	27	28	29	27	27	26	21	20	20	19	18	21	
5	14	12	11	10	10	10	10	10	11	11	11	12	12	12	12	11	11	10	8	7	7	6	6	6	10	
6	5	5	4	4	5	5	6	9	12	14	16	17	19	19	20	20	20	19	18	18	18	17	18	18	14	
7	18	18	17	18	18	18	18	19	20	21	23	24	25	26	27	27	27	25	20	18	17	16	16	18	21	
8	19	18	18	18	17	17	17	18	19	20	22	24	26	28	28	28	28	26	24	23	22	21	20	20	22	
9	20	20	20	19	19	20	20	20	20	22	22	24	26	28	28	28	29	28	27	26	26	26	18	14	13	22
10	13	13	13	13	13	12	11	11	12	12	13	14	14	15	16	15	16	14	13	12	11	10	10	10	13	
11	10	10	10	11	11	12	12	12	11	10	12	14	14	14	15	16	18	20	20	17	16	16	15	14	14	
12	13	13	12	12	11	11	11	12	14	16	17	17	16	17	17	16	16	15	14	13	12	12	11	10	14	
13	9	7	7	7	6	6	6	9	10	11	12	14	15	15	16	17	17	17	15	14	12	12	11	10	11	
14	10	9	9	8	8	7	8	11	13	15	16	17	18	19	19	20	20	19	17	16	15	15	14	14	14	
15	13	13	13	13	13	13	13	14	15	16	18	19	19	17	18	20	20	21	21	21	21	20	20	19	17	
16	18	17	14	13	12	11	11	11	13	15	18	20	21	22	23	23	22	22	20	19	18	17	17	17	17	
17	16	15	14	13	13	12	13	13	14	14	15	16	16	16	17	17	17	17	16	15	14	13	14	14	15	
18	12	11	10	9	8	7	9	11	12	14	14	15	15	16	17	17	17	17	15	14	13	13	12	11	13	
19	10	9	9	8	8	7	8	11	13	15	16	17	17	18	18	19	19	19	17	15	14	14	14	13	14	
20	13	12	12	13	13	14	14	15	17	19	20	21	21	22	22	22	22	17	15	14	13	12	12	11	16	
21	11	10	10	10	10	10	11	12	13	15	17	18	19	20	19	18	18	18	18	17	16	14	14	14	15	
22	15	16	16	17	17	17	17	19	22	24	26	28	29	30	30	31	30	29	26	24	23	22	21	21	23	
23	21	20	20	20	19	19	20	20	22	24	25	27	28	29	29	29	29	28	27	26	25	25	19	18	24	
24	15	13	12	12	12	12	12	13	12	13	14	14	15	15	15	15	15	15	12	11	10	10	10	9	13	
25	8	6	5	5	4	4	7	11	14	15	15	16	17	17	16	16	16	16	14	13	13	12	12	12	12	
26	12	12	12	12	12	14	17	19	19	21	22	23	24	24	23	22	21	20	19	19	18	18	18	18	18	
27	17	17	17	17	17	16	15	15	16	16	16	16	16	16	16	15	14	14	12	11	11	11	11	11	15	
28	11	11	11	12	12	11	12	12	12	12	13	13	13	13	13	12	12	12	11	11	10	10	10	10	12	
29	10	10	10	10	10	10	10	10	10	10	11	11	11	12	12	12	12	11	11	11	11	12	12	12	11	
30	11	11	11	11	11	10	11	12	13	13	12	12	12	12	12	11	11	10	10	10	10	10	10	10	11	
Avg	13	13	12	12	12	12	13	14	15	16	17	18	19	19	20	20	19	19	17	16	15	15	14	14	16	
S D	4	4	4	4	4	4	4	3	4	4	4	5	5	5	5	6	5	5	5	5	5	4	4	4	4	
S/A	0.28	0.3	0.32	0.32	0.33	0.34	0.3	0.25	0.24	0.25	0.25	0.25	0.26	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.3	0.28	0.27	0.28	0.25	
Min	5	5	4	4	4	4	6	9	10	10	11	11	11	12	12	11	10	8	7	7	6	6	6	6	10	
Max	21	20	20	20	19	20	20	20	22	24	26	28	29	30	30	31	30	29	27	26	26	25	21	21	24	

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: 6/1/95

**Relative Humidity
Hourly and Daily Averages
Percent**

Elizabeth City State Universit - April 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	81	84	86	89	90	91	92	87	79	73	70	69	66	73	99 ?	96	97	97	97	97	98	99	100 ?	?	?	84
2	?	?	?	100 ?	100 ?	?	?	98	92	82	78	74	75	76	74	74	76	87	94	97	99 ?	?	?	?	57 ?	
3	?	?	?	?	?	?	?	?	98 ?	88	78	73	68	71	71	73	75	80	89	95	98	100 ?	?	?	?	48 ?
4	?	?	?	?	?	97	88	88	86	79	73	73	67	62	56	50	53	55	61	87	87	86	92	95	60 ?	
5	97 ?	99 ?	96	94	92	84	82	72	72	73	72	68	62	57	51	48	53	64	70	76	79	77	84	85	75	
6	88	90	86	98	?	?	98 ?	92	85	78	71	66	61	58	58	60	62	66	71	72	73	73	73	74	69 ?	
7	76	79	82	84	88	89	89	87	82	76	63	52	48	41	35	34	33	47	74	81	88	92	91	85	71	
8	85	90	96	99 ?	?	?	?	99 ?	97	93	84	71	54	41	42	38	39	47	65	79	82	85	86	82	65 ?	
9	78	78	77	81	81	76	78	82	86	84	81	77	63	52	52	52	55	59	59	59	60	94	97	98	73	
10	99 ?	?	?	99 ?	97	98	97	95	87	80	72	68	64	60	59	63	62	67	71	72	74	87	91	83	73 ?	
11	77	74	69	67	68	69	69	70	88	97	100 ?	?	?	?	?	?	?	100 ?	?	?	?	?	?	?	40 ?	
12	?	100 ?	98	96	96	98	99	94	84	69	56	52	53	48	47	50	53	54	54	57	59	59	56	57	66	
13	69	77	75	73	74	76	73	57	44	38	36	33	31	28	25	22	21	24	29	35	42	39	41	47	46	
14	45	47	48	50	55	59	55	46	35	33	31	27	22	23	22	22	21	24	27	30	35	36	38	43	36	
15	47	51	52	51	51	55	56	58	60	57	49	51	41	62	59	58	71	79	84	86	93	94	97	99 ?	65	
16	?	?	?	?	?	?	?	?	97 ?	86	72	60	53	47	40	39	46	45	47	49	47	47	41	37	36 ?	
17	36	38	42	40	39	42	42	40	37	37	34	31	30	32	34	35	35	37	35	39	44	50	49	41	38	
18	44	46	51	57	63	66	62	54	51	45	45	41	38	37	35	34	35	36	42	48	51	53	56	58	48	
19	61	64	66	69	75	78	77	66	54	45	42	38	36	37	35	33	33	34	39	47	52	63	75	78	54	
20	81	86	89	85	79	74	72	68	54	48	45	44	44	43	42	39	42	62	67	74	75	75	73	81	64	
21	87	85	84	84	86	86	77	71	62	52	51	44	37	47	56	63	69	75	80	87	90	96	98	99 ?	74	
22	?	?	97	92	90	89	85	79	70	61	54	47	43	41	37	32	32	43	57	59	61	64	64	61	56	
23	61	61	60	65	72	75	78	79	73	67	62	54	46	41	42	39	41	41	43	48	48	51	86	92	60	
24	96	96	89	91	90	83	75	72	75	70	58	51	41	37	33	27	27	36	62	71	74	79	79	82	66	
25	91	96	98	100 ?	?	100 ?	94	73	54	49	44	43	41	45	49	49	49	50	59	67	67	71	73	76	64	
26	73	79	87	88	90	90	85	73	60	60	51	45	42	40	42	45	52	60	69	79	85	91	95	97	70	
27	98	99	98	97	97	94	66	52	54	49	46	44	44	49	48	49	53	57	62	74	66	65	60	57	66	
28	59	65	72	76	74	86	91	94	95	94	88	79	78	75	77	77	73	77	84	88	93	91	93	96	82	
29	94	93	95	96	97	92	85	96	93	91	86	79	80	69	61	64	62	65	70	75	71	67	67	66	80	
30	72	79	78	72	78	76	77	75	69	68	72	74	72	74	75	78	81	83	84	84	84	83	85	87	78	
Avg	75	77	79	81	80	81	79	76	72	68	62	56	52	50	50	50	52	58	64	69	72	74	76	75	62	
S D	18	18	17	17	16	14	14	16	18	18	16	15	15	17	18	18	19	20	18	19	18	18	19	19	13	
S/A	0.24	0.23	0.21	0.21	0.2	0.17	0.18	0.21	0.25	0.27	0.28	0.28	0.29	0.29	0.34	0.36	0.36	0.34	0.29	0.27	0.26	0.25	0.25	0.25	0.22	
Min	36	38	42	40	39	42	42	40	35	33	31	27	22	23	22	22	21	24	27	30	35	36	38	37	36	
Max	99	100	98	100	100	100	99	99	98	97	100	79	80	76	99	96	97	100	97	97	99	100	100	99	84	

Data Recovery: 0% missing; 9% 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: 6/1/95

Temperature (CR10)
Hourly and Daily Averages
Degrees Celsius
Elizabeth City State Universit - April 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	13	13	12	12	13	13	13	15	17	21	23	24	25	25	19	19	18	18	18	17	17	17	17	16	17
2	17	17	17	17	17	17	17	17	19	21	24	25	25	25	25	24	23	21	17	15	14	13	12	11	19
3	10	10	9	9	10	10	10	11	13	16	20	22	24	23	23	23	21	19	17	15	14	14	13	13	15
4	13	13	13	14	14	14	15	17	20	23	24	25	27	28	29	30	29	28	26	22	20	19	18	18	21
5	16	13	12	11	10	10	10	10	11	13	14	14	15	15	15	14	13	12	9	7	5	4	3	3	11
6	3	3	3	3	3	3	5	9	13	16	18	20	21	22	22	22	21	20	19	18	18	17	17	18	14
7	18	17	17	17	17	17	18	19	22	23	26	27	28	28	29	29	29	27	22	18	16	15	15	15	21
8	16	17	17	17	17	16	17	18	19	21	24	27	29	30	30	30	29	27	25	23	22	21	20	19	22
9	20	19	19	19	18	19	19	19	20	21	23	24	27	29	30	30	30	28	27	26	25	21	16	14	23
10	13	12	12	12	12	12	12	11	12	12	15	16	17	18	18	19	19	17	14	12	10	10	9	8	13
11	8	9	9	9	10	11	11	12	11	10	11	12	13	13	14	15	16	18	19	18	17	16	16	15	13
12	14	13	13	12	11	10	11	12	15	18	19	19	17	18	19	17	17	16	15	13	11	10	10	9	14
13	8	6	5	5	4	4	5	8	11	13	14	16	17	17	18	18	18	18	16	12	10	9	9	8	11
14	7	7	6	6	5	4	6	10	14	17	18	19	20	21	21	21	22	21	19	17	15	14	13	13	14
15	12	11	11	12	12	12	13	13	14	16	19	21	22	19	18	20	21	21	21	21	20	20	20	19	17
16	18	17	16	14	13	12	11	12	13	17	19	21	23	23	24	25	24	23	21	19	17	16	16	16	18
17	15	14	13	13	12	11	12	14	15	16	16	17	17	18	18	18	19	18	16	14	13	12	12	12	15
18	11	9	8	7	6	5	7	11	14	17	18	19	18	18	19	20	19	17	16	13	12	11	10	9	13
19	8	8	7	6	6	5	7	11	14	18	18	20	20	20	20	20	20	20	18	15	12	11	11	11	14
20	11	10	10	11	11	12	13	14	17	20	22	23	24	24	24	24	24	20	17	14	13	12	11	10	16
21	9	9	8	8	8	8	10	13	15	17	19	20	21	22	22	22	20	19	18	17	16	14	13	13	15
22	14	14	15	15	15	15	17	19	22	25	28	30	31	31	32	32	32	31	27	25	23	22	21	21	23
23	20	20	19	19	19	18	19	20	23	25	27	28	29	30	30	30	30	28	27	26	25	25	21	19	24
24	17	14	13	12	12	12	13	14	14	16	17	17	17	18	18	18	18	17	14	11	9	8	7	7	14
25	5	4	4	3	2	2	5	11	15	17	19	20	21	20	19	19	19	18	15	13	12	11	10	10	12
26	10	10	9	10	10	10	13	17	19	20	22	24	24	25	26	25	24	23	21	20	19	18	18	18	18
27	17	17	17	17	16	16	16	16	17	18	19	19	19	19	19	19	19	18	16	13	12	11	11	11	16
28	11	11	11	11	11	11	11	11	11	11	12	13	13	14	13	13	13	12	11	10	10	10	10	9	11
29	9	9	9	9	9	9	8	9	9	9	9	9	10	11	12	13	13	12	12	11	10	10	11	11	10
30	11	11	10	11	10	10	10	11	13	14	14	14	14	14	13	13	12	11	10	10	9	9	9	9	11
Avg	12	12	12	11	11	11	12	13	15	17	19	20	21	21	21	21	21	20	18	16	15	14	13	13	16
S/D	4	4	4	4	4	4	4	3	4	4	5	5	5	5	5	6	5	5	5	5	5	5	4	4	4
S/A	0.34	0.36	0.37	0.38	0.39	0.41	0.34	0.26	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.31	0.33	0.34	0.33	0.33	0.25
Min	3	3	3	3	2	2	5	8	9	9	9	10	11	12	13	13	12	11	9	7	5	4	3	3	10
Max	20	20	19	19	19	19	19	20	23	25	28	30	31	31	32	32	32	31	27	26	25	25	21	21	24

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: 6/1/95

Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Universit - April 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	1	1	1	1	1	1	2	2	2	4	5	4	5	5	2	3	2	2	2	2	2	2	1	2	2
2	1	1	1	2	2	2	2	2	2	3	3	3	2	3	3	3	3	4	2	1	3	2	3	2	2
3	2	2	2	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	2	1	2	2
4	2	2	2	2	2	2	2	4	5	6	7	6	5	5	6	6	5	5	5	6	2	0	1	1	4
5	5	6	6	5	4	4	5	5	6	6	6	6	5	5	5	5	5	5	4	3	2	1	1	1	4
6	1	1	1	2	2	1	1	1	2	3	4	3	4	4	4	4	3	4	4	4	4	4	4	4	3
7	4	4	3	4	5	5	4	5	5	4	4	4	4	5	4	3	3	3	2	1	0	0	1	2	3
8	2	2	1	2	2	2	2	3	5	4	3	2	2	3	4	3	2	2	2	2	3	3	3	3	3
9	3	2	3	2	4	3	3	3	3	4	4	4	6	7	7	7	7	6	5	6	6	5	4	1	4
10	1	0	1	2	3	4	3	3	3	5	5	4	4	4	3	3	2	3	3	2	3	3	3	2	3
11	3	3	2	2	3	3	2	2	2	2	3	4	5	5	4	2	2	1	1	2	2	2	2	3	3
12	3	2	3	2	1	1	1	2	2	3	4	4	4	5	4	3	3	3	2	2	2	3	3	2	3
13	2	2	2	2	3	2	2	3	5	5	5	4	4	4	4	4	4	3	1	0	1	1	2	2	3
14	1	2	1	1	1	1	1	1	3	3	3	3	3	3	5	5	4	3	3	2	2	2	2	2	2
15	2	2	2	3	2	2	1	0	1	1	1	3	3	3	4	5	5	5	5	6	4	1	0	1	3
16	0	2	2	3	3	2	3	3	4	4	5	4	6	6	6	7	6	6	4	3	4	4	5	5	4
17	5	3	3	3	3	3	3	4	4	4	5	6	6	6	6	5	6	4	3	2	2	2	3	2	4
18	2	2	2	2	2	1	2	2	2	2	3	3	4	4	4	4	4	4	2	2	2	2	2	2	2
19	1	2	2	1	2	1	1	2	1	2	3	4	5	4	5	5	4	3	1	0	0	2	2	2	2
20	2	1	1	2	2	2	3	3	5	6	5	5	4	4	3	3	4	5	4	3	3	3	3	3	3
21	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	5	4	2	2	1	2	1	1	1	3
22	2	1	2	2	3	3	3	4	4	4	4	4	4	5	5	5	5	4	3	3	4	3	4	4	4
23	4	4	4	5	5	5	5	6	6	5	5	6	7	7	8	8	7	4	4	3	3	3	3	4	5
24	5	5	6	5	4	5	5	5	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	1	4
25	0	0	0	0	0	0	0	0	2	2	2	2	2	3	4	4	3	4	3	2	3	2	2	2	2
26	2	1	2	2	2	2	3	4	6	5	5	6	6	6	6	6	6	5	4	3	3	4	4	3	4
27	3	2	2	2	2	3	5	5	4	5	5	5	4	4	4	4	4	3	3	3	4	4	4	4	4
28	4	4	4	3	1	3	3	3	4	4	5	4	5	5	5	5	5	5	4	4	5	5	5	4	4
29	3	3	3	3	3	4	3	4	4	5	5	5	5	7	6	5	5	5	4	3	4	5	4	3	4
30	4	4	6	6	7	7	7	8	9	10	10	9	9	9	8	8	8	7	7	7	6	6	6	5	7
Avg	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	4	4	3	3	3	3	3	2	3
S/D	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1	1	1	2	1	1	1	1	1	1
S/A	0.54	0.54	0.56	0.49	0.56	0.57	0.59	0.54	0.49	0.44	0.41	0.37	0.34	0.32	0.31	0.34	0.34	0.35	0.41	0.54	0.47	0.55	0.53	0.5	0.33
Min	0	0	0	0	0	0	0	0	1	1	1	2	2	3	2	2	2	1	1	0	0	0	0	1	2
Max	5	6	6	6	7	7	7	8	9	10	10	9	9	9	8	8	8	7	7	7	6	6	6	5	7

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: 6/1/95

Wind Direction
Hourly and Daily Averages
Degrees
Elizabeth City State Universit - April 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	113	106	92	96	104	111	101	117	138	128	132	133	106	153	137	163	140	138	144	149	169	171	134	162	133
2	161	168	205	249	236	235	255	283	278	296	341	340	324	335	333	331	348	358	359	20	2	354	351	354	325
3	358	354	1	335	317	332	333	315	288	339	8	345	342	31	40	56	59	57	62	49	62	72	96	104	30
4	115	138	143	133	137	149	150	168	165	184	182	184	178	172	186	182	196	187	193	188	247	310	195	288	177
5	327	340	328	336	346	329	323	320	321	334	340	342	322	344	327	338	319	343	347	346	346	300	287	285	332
6	297	293	295	343	353	315	322	344	14	30	55	92	112	121	134	131	138	137	119	109	119	144	147	142	111
7	149	156	164	167	168	176	177	180	200	195	237	194	204	188	196	189	184	290	6	310	353	86	121	139	184
8	152	138	134	152	160	162	173	173	177	178	190	158	179	152	132	140	123	109	122	124	118	124	136	133	148
9	139	130	133	136	170	171	166	144	120	134	131	128	150	136	172	177	158	165	167	156	180	278	309	325	158
10	205	271	287	292	296	301	313	293	296	285	323	307	307	335	317	350	18	24	24	39	29	13	52	52	330
11	51	62	64	44	35	60	67	71	69	45	53	50	39	357	52	36	99	139	195	232	201	232	222	246	52
12	264	262	268	269	255	237	236	257	248	238	212	241	231	253	253	240	252	239	257	261	254	264	262	248	249
13	229	222	239	240	239	229	226	258	266	249	254	263	246	230	239	226	235	251	231	208	205	214	206	205	240
14	218	216	241	226	239	226	227	261	236	244	213	226	223	214	199	202	199	197	193	159	168	170	174	185	208
15	195	196	200	186	178	188	186	170	151	153	134	56	87	42	51	77	89	101	106	112	153	147	271	278	117
16	148	218	238	210	214	212	195	194	198	189	196	187	174	163	164	177	158	166	169	161	163	163	174	175	180
17	185	184	179	183	177	170	189	200	210	187	182	186	178	173	168	165	158	181	171	154	147	167	191	239	179
18	210	211	237	222	184	201	213	208	244	239	205	189	208	204	212	206	188	192	197	204	201	204	208	198	206
19	205	195	181	206	196	197	183	188	188	147	158	166	174	167	188	189	190	212	192	115	111	114	126	128	177
20	127	126	124	115	126	125	117	134	159	191	210	189	201	195	197	244	296	345	339	348	346	342	340	12	197
21	23	21	19	16	9	28	21	44	45	53	49	24	26	13	47	58	58	52	60	23	6	7	30	66	36
22	92	111	132	136	139	144	154	175	176	170	174	182	166	150	158	165	161	135	127	113	123	139	137	148	151
23	145	140	149	158	157	173	160	168	161	158	156	170	177	176	170	174	180	177	163	166	167	271	310	291	170
24	324	308	308	324	324	323	310	318	318	315	312	284	298	301	299	301	303	339	355	20	24	36	17	22	319
25	227	243	234	215	230	247	244	289	318	351	33	57	114	64	62	57	37	51	65	41	81	106	112	120	59
26	125	132	147	162	151	147	142	165	176	167	163	171	163	168	172	193	187	174	182	175	165	161	173	186	169
27	199	195	217	216	245	273	334	348	350	352	335	356	329	350	4	3	351	11	12	8	17	17	27	16	349
28	16	12	8	6	334	344	18	16	356	4	358	3	358	348	2	15	357	357	347	349	353	344	349	346	359
29	346	350	343	331	336	345	346	330	353	348	350	343	344	355	355	344	355	346	350	339	343	356	1	351	347
30	355	346	343	354	354	339	355	344	349	355	353	329	336	321	331	323	333	345	333	328	320	336	331	323	339
Avg	159	189	258	235	209	235	228	235	233	230	219	211	195	186	177	180	170	132	107	100	110	3	46	187	181

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: 6/1/95

Peak Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Universit - April 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	2	2	2	2	2	2	2	2	4	6	7	7	8	9	4	4	4	3	4	4	4	2	2	3	4
2	2	2	3	4	4	4	3	3	4	4	4	4	4	5	5	5	5	5	3	2	5	4	5	3	4
3	4	4	3	2	1	2	2	2	2	3	3	3	3	4	5	5	4	4	4	4	4	3	2	2	3
4	3	3	4	4	4	4	4	6	8	9	10	9	8	8	9	9	7	7	6	9	4	1	1	1	6
5	8	9	9	7	6	7	7	8	9	9	9	9	8	8	8	7	7	7	5	5	3	1	2	2	7
6	2	2	9	3	2	2	1	2	3	5	5	5	6	7	6	5	5	6	6	7	7	6	7	7	5
7	7	6	5	6	7	7	6	7	7	7	6	6	6	7	6	6	5	4	2	2	1	1	1	3	5
8	4	3	2	2	2	3	3	5	7	5	4	3	4	4	6	5	4	3	4	4	5	5	4	4	4
9	4	4	4	4	5	4	4	4	5	7	7	7	9	10	11	11	10	9	8	9	10	8	6	2	7
10	1	1	2	4	5	6	5	5	5	7	7	7	6	6	5	5	4	4	4	4	4	4	5	3	4
11	4	4	3	4	4	5	3	3	3	4	5	6	8	8	6	3	4	3	2	3	3	4	4	6	4
12	6	5	5	4	3	2	3	4	4	6	8	7	7	9	8	6	6	5	5	5	4	5	5	4	5
13	4	4	4	4	4	4	4	6	8	9	8	7	7	8	8	7	6	5	2	1	1	2	2	2	5
14	2	2	2	2	2	2	2	3	5	5	6	6	6	6	8	8	7	5	4	2	3	3	3	4	4
15	3	3	3	4	3	2	2	1	2	2	2	4	5	4	6	7	7	8	9	10	6	2	1	1	4
16	1	4	4	5	6	5	6	6	7	6	7	7	10	9	10	10	9	8	6	5	5	6	7	7	7
17	7	5	4	5	4	4	5	6	6	6	8	8	9	10	10	8	9	7	4	3	3	3	4	4	6
18	3	3	4	3	2	2	3	4	3	4	5	6	7	7	6	6	6	6	3	3	3	3	3	3	4
19	2	2	2	2	2	1	2	3	2	3	5	6	7	6	7	8	6	5	2	1	1	2	3	3	4
20	2	2	2	3	4	3	5	5	8	9	8	7	7	7	6	6	7	7	7	5	5	4	5	4	5
21	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	7	6	4	3	2	3	2	2	2	4
22	2	2	3	4	4	4	5	6	6	7	6	6	7	7	8	8	8	7	5	6	6	5	7	7	6
23	6	6	6	7	7	7	8	9	9	8	8	9	10	10	12	12	10	7	6	4	5	5	4	6	8
24	8	8	9	9	7	7	8	7	7	6	7	7	6	6	5	5	4	5	4	3	2	3	2	2	6
25	0	1	0	1	0	1	1	1	3	4	4	3	4	5	7	6	5	5	5	3	4	3	3	3	3
26	3	2	2	3	3	3	4	6	9	8	8	9	10	9	9	9	9	8	6	5	4	6	6	5	6
27	4	4	4	4	4	5	9	7	7	7	7	7	6	6	6	6	6	4	5	5	6	6	6	5	6
28	6	5	6	4	2	4	4	5	6	6	7	7	8	7	8	7	7	8	6	7	8	7	7	6	6
29	5	5	5	5	5	6	5	6	7	7	9	8	9	10	10	9	7	8	6	4	6	7	6	6	7
30	6	7	8	10	12	10	11	12	15	15	16	14	14	14	13	12	12	11	11	10	9	9	9	9	11
Avg	4	4	4	4	4	4	4	5	6	6	7	7	7	7	7	7	7	6	5	5	4	4	4	4	5
S D	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
S/A	0.51	0.53	0.55	0.51	0.55	0.54	0.55	0.48	0.45	0.4	0.37	0.33	0.31	0.3	0.3	0.31	0.32	0.33	0.4	0.53	0.47	0.54	0.51	0.5	0.31
Min	0	1	0	1	0	1	1	1	2	2	2	3	3	4	4	3	4	3	2	1	1	1	1	1	3
Max	8	9	9	10	12	10	11	12	15	15	16	14	14	14	13	12	12	11	11	10	10	9	9	9	11

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: 6/1/95

Station Pressure
Hourly and Daily Averages
Millibars
Elizabeth City State Universit - April 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	1020	1019	1019	1018	1018	1018	1018	1018	1018	1018	1017	1017	1015	1015	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1016
2	1013	1013	1012	1012	1012	1012	1013	1014	1015	1015	1015	1015	1015	1015	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1017	1014
3	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1018
4	1015	1015	1014	1014	1013	1013	1014	1014	1014	1014	1013	1012	1011	1009	1008	1007	1006	1006	1006	1006	1006	1008	1008	1008	1009	1010
5	1010	1011	1012	1013	1014	1015	1017	1018	1019	1020	1021	1021	1021	1022	1022	1022	1022	1023	1023	1024	1025	1025	1024	1024	1024	1020
6	1024	1024	1023	1023	1023	1024	1025	1024	1024	1024	1024	1024	1023	1022	1021	1020	1019	1019	1018	1018	1019	1019	1019	1019	1018	1022
7	1018	1018	1017	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1017	1016	1015	1015	1015	1014	1015	1015	1015	1015	1014	1014	1017
8	1014	1013	1013	1013	1013	1013	1014	1014	1013	1013	1013	1012	1011	1010	1009	1009	1008	1008	1008	1009	1009	1008	1007	1007	1007	1011
9	1006	1006	1005	1004	1005	1005	1005	1005	1003	1003	1001	999	997	996	994	994	993	993	993	993	994	997	998	999	999	999
10	1000	1000	1001	1003	1004	1006	1008	1009	1010	1011	1012	1013	1013	1013	1013	1013	1013	1014	1014	1015	1016	1017	1016	1017	1010	1010
11	1016	1016	1016	1016	1015	1015	1015	1015	1015	1014	1012	1010	1007	1008	1005	1004	1003	1002	1002	1003	1002	1002	1003	1003	1003	1009
12	1004	1004	1005	1005	1006	1007	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1009	1010	1011	1012	1012	1012	1012	1012	1008
13	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1012	1012	1011	1010	1009	1009	1009	1008	1008	1009	1010	1010	1010	1010	1010	1011
14	1010	1010	1010	1010	1011	1012	1012	1013	1013	1013	1013	1012	1012	1011	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1011	1011
15	1011	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1008	1007	1006	1003	1002	1000	999	998	997	997	997	996	995	1005	1005
16	996	996	996	997	998	999	1000	1001	1001	1001	1002	1002	1001	1000	999	999	999	1000	1001	1002	1004	1004	1005	1006	1000	1000
17	1006	1006	1006	1007	1007	1008	1009	1009	1009	1009	1009	1009	1008	1008	1007	1006	1006	1007	1007	1007	1008	1009	1010	1010	1011	1008
18	1011	1012	1012	1012	1013	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1014	1014	1015	1015	1016	1017	1018	1018	1018	1015	1015
19	1018	1017	1018	1017	1018	1018	1018	1019	1018	1019	1018	1017	1017	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1017
20	1014	1013	1013	1013	1012	1012	1012	1011	1011	1011	1010	1010	1009	1009	1009	1009	1010	1012	1013	1014	1015	1015	1016	1016	1012	1012
21	1016	1015	1015	1015	1016	1016	1017	1017	1017	1018	1018	1018	1017	1016	1015	1014	1014	1013	1013	1014	1014	1014	1013	1013	1015	1015
22	1013	1012	1012	1012	1013	1013	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014
23	1014	1013	1013	1013	1013	1014	1014	1014	1013	1013	1012	1011	1010	1009	1007	1006	1006	1006	1006	1007	1007	1007	1009	1010	1010	1010
24	1011	1012	1014	1015	1016	1017	1018	1019	1019	1020	1020	1020	1020	1020	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1018
25	1019	1019	1019	1019	1020	1020	1021	1021	1022	1022	1022	1021	1021	1020	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1020
26	1017	1016	1016	1015	1015	1015	1016	1015	1015	1014	1014	1013	1012	1011	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1012
27	1009	1008	1009	1009	1009	1010	1011	1012	1013	1014	1014	1014	1014	1015	1014	1014	1015	1015	1015	1016	1016	1016	1017	1017	1017	1013
28	1017	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018
29	1017	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016
30	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1017	1017	1017	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1017
Avg	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015	1014	1014	1013	1013	1012	1011	1011	1011	1011	1012	1012	1013	1013	1013	1013	1013
S D	6	6	5	5	5	5	5	5	5	5	5	5	6	6	6	6	7	7	7	7	7	6	6	6	5	
S/A	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	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	996	996	996	997	998	999	1000	1001	1001	1001	1001	999	997	996	994	994	993	993	993	993	994	997	996	995	999	
Max	1024	1024	1023	1023	1023	1024	1025	1024	1024	1024	1024	1024	1023	1022	1022	1022	1022	1023	1023	1024	1025	1025	1024	1024	1022	

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