

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Universit - August 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	25	101	215	471	648	801	865	755	730	647	547	364	112	3	0	0	0	0	0	6284
2	0	0	0	0	0	17	126	186	377	466	771	854	913	868	745	606	420	221	49	0	0	0	0	0	6620
3	0	0	0	0	0	31	173	379	583	596	842	780	834	830	591	571	391	194	55	0	0	0	0	0	6851
4	0	0	0	0	0	5	42	77	144	286	374	350	328	303	356	280	370	143	20	0	0	0	0	0	3077
5	0	0	0	0	0	30	118	? 341	? 548	710	832	895	896	848	730	282	108	85	48	0	0	0	0	0	6468
6	0	0	0	0	0	23	145	335	515	682	801	876	793	538	391	393	311	134	27	0	0	0	0	0	5965
7	0	0	0	0	0	25	86	? 344	? 536	709	809	897	911	816	708	523	344	162	32	0	0	0	0	0	6901
8	0	0	0	0	0	2	33	146	446	378	626	791	778	687	684	528	275	160	27	0	0	0	0	0	5560
9	0	0	0	0	0	11	45	86	125	76	60	108	52	133	264	165	90	110	20	0	0	0	0	0	1345
10	0	0	0	0	0	28	100	? ?	? ?	? ?	? ?	459	? 423	? 507	? ?	? ?	? 137	? 34	0	0	0	0	0	0	1688 ?
11	0	0	0	0	0	14	123	297	456	? 319	339	461	? 469	? 535	? 497	? 252	280	? 140	34	0	0	0	0	0	4216 ?
12	0	0	0	0	0	20	98	227	? 411	? 458	547	? 626	? 533	? 447	? ?	? 328	? 136	? 28	0	0	0	0	0	0	3860 ?
13	0	0	0	0	0	15	105	? 277	? 345	? ?	? ?	? ?	? ?	? 659	? 550	332	182	142	27	0	0	0	0	0	2633 ?
14	0	0	0	0	0	13	92	195	357	557	725	817	747	770	661	499	337	44	1	0	0	0	0	0	5815
15	0	0	0	0	0	15	69	108	305	508	538	697	? 865	770	654	496	326	112	22	0	0	0	0	0	5487
16	0	0	0	0	0	9	118	311	510	436	? ?	602	? 479	? 393	? 373	238	294	111	20	0	0	0	0	0	3893 ?
17	0	0	0	0	0	16	104	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? 97	? 19	0	0	0	0	0	0	236 ?
18	0	0	0	0	0	14	85	? ?	282	? ?	388	? ?	? ?	? ?	? ?	367	? 133	103	18	0	0	0	0	0	1390 ?
19	0	0	0	0	0	6	74	? 353	? 459	606	770	? 740	? 561	? 480	? ?	? 182	? 132	22	0	0	0	0	0	0	4385 ?
20	0	0	0	0	0	6	72	266	? 493	564	145	107	194	412	294	220	131	100	28	0	0	0	0	0	3030
21	0	0	0	0	0	2	49	160	473	? 686	614	501	? 394	? 380	? 247	290	? 47	53	17	0	0	0	0	0	3913 ?
22	0	0	0	0	0	11	69	? 362	479	607	? 553	? 738	? 336	? 281	? 300	? 125	? 111	48	9	0	0	0	0	0	4029 ?
23	0	0	0	0	0	10	90	? 308	499	675	755	627	? 394	? ?	? 481	? ?	? 68	? 14	0	0	0	0	0	0	3922 ?
24	0	0	0	0	0	18	77	? 346	511	578	? 751	? 557	? 438	? ?	509	? 334	182	136	7	0	0	0	0	0	4445 ?
25	0	0	0	0	0	5	92	133	284	327	572	607	310	261	162	202	190	125	8	0	0	0	0	0	3279
26	0	0	0	0	0	7	107	314	433	604	759	768	697	90	215	154	154	54	6	0	0	0	0	0	4364
27	0	0	0	0	0	9	95	93	187	617	548	762	803	334	192	399	281	97	17	0	0	0	0	0	4434
28	0	0	0	0	0	9	114	295	476	653	783	865	775	394	659	515	275	94	10	0	0	0	0	0	5917
29	0	0	0	0	0	10	103	226	? 426	605	664	436	710	575	456	219	129	49	3	0	0	0	0	0	4611
30	0	0	0	0	0	0	4	11	23	44	41	41	41	56	44	38	32	17	2	0	0	0	0	0	395
31	0	0	0	0	0	3	63	145	193	70	75	72	80	43	61	25	15	8	1	0	0	0	0	0	854
Avg	0	0	0	0	0	13	89	233	391	497	570	601	557	490	441	331	224	107	20	0	0	0	0	0	4060
S D	0	0	0	0	0	8	33	103	143	194	249	260	268	248	206	164	115	48	14	0	0	0	0	0	1898
S/A	0	0	0	0	0	0.63	0.37	0.44	0.37	0.39	0.44	0.43	0.48	0.51	0.47	0.5	0.51	0.45	0.69	3.32	0	0	0	0	0.47
Min	0	0	0	0	0	0	4	11	23	44	41	41	41	43	44	25	15	8	1	0	0	0	0	0	236
Max	0	0	0	0	0	31	173	379	583	710	842	897	913	868	745	606	420	221	55	0	0	0	0	0	6901

Daylight Data Recovery: 0% missing; 19% exceed the 15% QC threshold -- 5039 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: 5/20/98

Direct Normal Solar Radiation
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Universit - August 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	13	12	65	312	458	568	568	429	357	369	470	391	51	0	0	0	0	0	0	4063
2	0	0	0	0	0	1	25	12	76	98	461	589	687	737	724	733	685	562	245	1	0	0	0	0	5636
3	0	0	0	0	0	129	474	657	751	510	679	470	519	645	199	360	420	399	173	1	0	0	0	0	6386
4	0	0	0	0	0	1	1	0	2 ?	4	7	5	2	2	5	11	437	157	5	1	0	0	0	0	639
5	0	0	0	0	0	74	277	516 ?	612	638	653	662	632	665	591	170	4	18	60	1	0	0	0	0	5574
6	0	0	0	0	0	33	217	419	492	541	570	564	397	134	55	125	198	39	15	1	0	0	0	0	3800
7	0	0	0	0	0	23	120 ?	493 ?	586	629	576	642	680	564	517	394	310	208	43	0	0	0	0	0	5785
8	0	0	0	0	0	1	2	16	78	13	114	268	256	217	325	325	173	142	24	0	0	0	0	0	1955
9	0	0	0	0	0	1	1	2	2	1	1	0	0	3	5	0	0	4	4	0	0	0	0	0	22
10	0	0	0	0	0	52	179 ?	? ?	? ?	? ?	? ?	141 ?	88 ?	117 ?	? ?	? ?	? ?	147 ?	59	0	0	0	0	0	784 ?
11	0	0	0	0	0	4	36	45	74 ?	15	16	34 ?	53 ?	87 ?	97 ?	24	35 ?	22	5	0	0	0	0	0	546 ?
12	0	0	0	0	0	5	12	54 ?	? ?	30 ?	13	26 ?	53 ?	51 ?	32 ?	? ?	60 ?	51 ?	17	0	0	0	0	0	404 ?
13	0	0	0	0	0	3	34 ?	37 ?	41 ?	? ?	? ?	? ?	? ?	318 ?	249	158	45	128	43	0	0	0	0	0	1055 ?
14	0	0	0	0	0	1	10	20	71	180	267	297	202	257	327	326	244	8	2	0	0	0	0	0	2212
15	0	0	0	0	0	4	7	4	52	103	62	188 ?	480	415	300	269	255	33	3	0	0	0	0	0	2175
16	0	0	0	0	0	1	52	208	343	175 ?	? ?	? ?	177 ?	107 ?	92 ?	112	45	63	29	0	0	0	0	0	1550 ?
17	0	0	0	0	0	3	29 ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	36 ?	9	0	0	0	0	0	77 ?
18	0	0	0	0	0	2	6 ?	? ?	14 ?	? ?	6 ?	? ?	? ?	? ?	? ?	6 ?	0 ?	3	0	0	0	0	0	0	36 ?
19	0	0	0	0	0	0	0 ?	? ?	? ?	? ?	? ?	0 ?	0 ?	0 ?	0 ?	? ?	2 ?	1	0	0	0	0	0	0	3 ?
20	0	0	0	0	0	0	1	0 ?	? ?	? ?	0 ?	2	2	7	1	0	0	2	0	0	0	0	0	0	15 ?
21	0	0	0	0	0	1	1	1	0 ?	? ?	0 ?	0 ?	1 ?	0 ?	0 ?	3 ?	0	3	2	0	0	0	0	0	12 ?
22	0	0	0	0	0	0	0 ?	? ?	? ?	? ?	0 ?	0 ?	0 ?	0 ?	1 ?	0 ?	0	0	0	0	0	0	0	0	2 ?
23	0	0	0	0	0	0	0 ?	? ?	? ?	? ?	? ?	0 ?	0 ?	? ?	3 ?	? ?	? ?	2 ?	0	0	0	0	0	0	6 ?
24	0	0	0	0	0	0	0 ?	? ?	? ?	? ?	? ?	89 ?	68 ?	? ?	222 ?	131	16	78	6	0	0	0	0	0	611 ?
25	0	0	0	0	0	1	16	4	16	20	127	197	13	6	3	6	10	145	38	0	0	0	0	0	603
26	0	0	0	0	0	8	100	314	187	262	524	464	476	2	6	4	5	1	1	0	0	0	0	0	2353
27	0	0	0	0	0	1	18	2	62	373	190	381	409	77	41	281	281	46	15	0	0	0	0	0	2178
28	0	0	0	0	0	11	170	405	530	600	642	679	500	104	551	501	266	86	10	0	0	0	0	0	5054
29	0	0	0	0	0	1	27	78 ?	294	341	318	146	359	308	132	6	4	2	1	0	0	0	0	0	2016
30	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	9
31	0	0	0	0	0	1	1	6	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	12
Avg	0	0	0	0	0	12	59	140	200	238	241	244	229	191	180	167	142	79	26	0	0	0	0	0	1793
S D	0	0	0	0	0	27	104	201	233	234	259	243	240	228	211	198	178	122	52	0	0	0	0	0	2028
S/A	0	0	0	0	0	2.23	1.76	1.44	1.17	0.98	1.07	0.99	1.05	1.19	1.17	1.18	1.25	1.55	1.99	1.56	0	0	0	0	1.13
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	2
Max	0	0	0	0	0	129	474	657	751	638	679	679	687	737	724	733	685	562	245	1	0	0	0	0	6386

Daylight Data Recovery: 0% missing; 24% exceed the 15% QC threshold -- 5039 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: 5/20/98

Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Universit - August 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	23	91	180	254	269	276	303	318	384	327	220	166	93	3	0	0	0	0	0	2908
2	0	0	0	0	0	15	113	163	295	366	300	245	207	151	118	90	70	51	21	0	0	0	0	0	2206
3	0	0	0	0	0	17	54	74	86	182	194	283	278	197	386	290	170	77	34	0	0	0	0	0	2321
4	0	0	0	0	0	4	36	67	124	248	335	301	283	261	310	240	127	86	18	0	0	0	0	0	2439
5	0	0	0	0	0	22	78	127	146	189	221	233	245	211	227	149	95	74	41	0	0	0	0	0	2058
6	0	0	0	0	0	19	88	148	204	248	272	313	387	398	326	304	217	119	24	0	0	0	0	0	3066
7	0	0	0	0	0	22	70	132	157	198	265	252	224	270	267	252	191	105	28	0	0	0	0	0	2433
8	0	0	0	0	0	2	29	123	371	334	471	467	463	433	355	260	163	105	23	0	0	0	0	0	3600
9	0	0	0	0	0	10	39	74	108	66	52	93	45	115	227	143	77	95	18	0	0	0	0	0	1162
10	0	0	0	0	0	17	49	?	?	?	?	236	287	324	?	?	?	76	25	0	0	0	0	0	1014
11	0	0	0	0	0	14	102	252	358	?	279	302	400	349	361	320	209	228	123	30	0	0	0	0	3326
12	0	0	0	0	0	20	83	160	?	?	333	413	479	441	397	391	?	226	95	24	0	0	0	0	3061
13	0	0	0	0	0	12	76	218	?	257	?	?	?	359	?	339	220	157	107	23	0	0	0	0	1768
14	0	0	0	0	0	11	82	172	302	392	472	519	529	521	389	281	224	38	1	0	0	0	0	0	3932
15	0	0	0	0	0	15	61	94	239	387	456	462	300	309	344	278	179	100	21	0	0	0	0	0	3245
16	0	0	0	0	0	8	98	171	230	283	?	364	335	278	?	243	185	192	82	17	0	0	0	0	2487
17	0	0	0	0	0	16	85	?	?	?	?	?	?	?	?	?	?	67	16	0	0	0	0	0	184
18	0	0	0	0	0	13	65	?	228	?	329	?	?	?	?	317	115	79	16	0	0	0	0	0	1161
19	0	0	0	0	0	5	61	204	242	255	307	431	490	425	?	?	134	115	22	0	0	0	0	0	2691
20	0	0	0	0	0	5	63	205	301	425	129	94	169	350	261	194	116	87	25	0	0	0	0	0	2424
21	0	0	0	0	0	2	42	142	250	?	263	366	420	329	316	219	265	41	46	16	0	0	0	0	2716
22	0	0	0	0	0	11	52	153	240	292	381	330	258	237	262	114	97	43	8	0	0	0	0	0	2477
23	0	0	0	0	0	10	69	158	202	246	330	394	348	?	381	?	?	53	12	0	0	0	0	0	2203
24	0	0	0	0	0	17	63	109	135	234	?	296	367	321	?	265	223	158	115	7	0	0	0	0	2310
25	0	0	0	0	0	4	83	116	246	291	397	382	272	231	142	176	166	85	6	0	0	0	0	0	2596
26	0	0	0	0	0	6	83	180	299	394	284	304	232	81	187	135	132	47	5	0	0	0	0	0	2369
27	0	0	0	0	0	8	87	82	126	301	364	397	415	257	149	231	159	88	16	0	0	0	0	0	2679
28	0	0	0	0	0	9	69	129	167	199	218	226	296	282	233	209	162	76	9	0	0	0	0	0	2283
29	0	0	0	0	0	8	90	181	244	319	364	286	353	286	343	187	112	42	3	0	0	0	0	0	2817
30	0	0	0	0	0	0	4	9	20	39	36	36	36	49	39	33	29	15	2	0	0	0	0	0	347
31	0	0	0	0	0	3	54	129	169	60	66	63	70	38	53	22	14	7	1	0	0	0	0	0	750
Avg	0	0	0	0	0	11	68	141	214	263	292	310	296	279	263	201	140	77	17	0	0	0	0	0	2291
S D	0	0	0	0	0	6	23	51	81	97	117	125	119	118	97	76	57	30	10	0	0	0	0	0	881
S/A	0	0	0	0	0	0.57	0.34	0.36	0.38	0.37	0.4	0.4	0.4	0.42	0.37	0.38	0.41	0.38	0.61	3.13	0	0	0	0	0.38
Min	0	0	0	0	0	0	4	9	20	39	36	36	36	38	39	22	14	7	1	0	0	0	0	0	184
Max	0	0	0	0	0	23	113	252	371	425	472	519	529	521	391	317	228	123	41	0	0	0	0	0	3932

Daylight Data Recovery: 0% missing; 19% exceed the 15% QC threshold -- 5039 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: 5/20/98

Dry Bulb Temperature (Roof)
Hourly and Daily Averages
Degrees Celsius
Elizabeth City State Universit - August 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	29	28	28	28	27	27	27	28	29	32	33	35	36	37	37	36	35	34	31	27	24	24	24	24	30
2	24	24	24	23	23	23	24	25	26	27	28	29	29	30	30	30	30	30	28	26	25	25	24	24	26
3	23	23	22	22	22	22	23	25	26	27	28	28	28	29	28	28	28	27	26	25	25	25	25	25	25
4	25	25	25	25	25	25	25	25	24	25	26	26	26	25	25	25	26	25	25	24	24	23	23	22	25
5	21	20	20	19	19	19	20	22	25	26	28	29	30	31	31	30	29	28	26	25	26	25	25	25	25
6	24	24	23	23	23	23	24	25	27	29	30	31	31	32	31	30	29	28	27	26	26	25	25	24	27
7	23	23	23	23	23	23	24	27	29	30	30	31	32	32	31	31	30	29	28	27	27	27	27	26	27
8	26	26	26	26	26	26	26	27	28	28	29	30	31	32	33	33	33	32	29	27	27	26	26	26	28
9	26	25	25	25	25	25	24	24	25	25	25	24	23	23	24	24	24	24	23	23	22	22	21	20	24
10	19	18	17	17	17	17	20	23	25	25	26	26	27	28	27	28	28	27	25	24	23	23	23	22	23
11	22	23	23	23	23	23	24	26	27	27	28	29	30	31	32	31	27	26	24	23	23	23	23	24	26
12	24	24	24	23	23	23	24	25	26	27	27	29	30	30	31	31	31	31	30	28	27	27	26	26	27
13	26	26	26	26	26	26	26	28	28	29	30	31	32	32	32	32	31	30	29	28	27	27	27	27	28
14	27	26	26	26	26	27	27	27	28	29	30	31	31	32	32	32	32	30	27	22	21	22	21	22	27
15	21	21	21	21	21	21	21	22	24	26	27	28	28	28	29	29	29	29	28	27	26	26	25	25	25
16	24	24	24	24	23	23	24	25	27	28	29	30	31	31	31	29	29	29	27	26	25	25	24	23	26
17	23	22	22	22	22	22	23	25	27	28	29	30	31	31	32	32	31	30	29	28	27	26	26	26	27
18	26	26	26	26	25	25	25	26	28	30	31	33	34	35	35	35	32	31	29	29	28	27	27	24	29
19	24	24	24	24	24	24	24	26	28	29	30	30	30	30	30	30	29	28	27	26	26	26	26	26	27
20	26	26	26	25	24	24	24	25	26	27	26	25	25	27	27	27	27	27	26	25	24	24	23	23	25
21	23	23	23	23	21	20	21	21	23	25	27	28	28	28	27	27	24	23	23	23	22	22	22	22	24
22	22	21	21	21	21	20	21	22	23	25	25	26	27	26	26	26	25	24	24	23	23	23	22	21	23
23	21	21	20	19	20	20	21	24	26	26	27	27	27	27	27	27	26	26	25	24	23	23	22	22	24
24	22	22	21	21	20	21	22	25	25	26	27	27	27	27	27	27	26	26	25	25	25	25	24	24	24
25	24	24	23	22	23	24	24	24	25	26	27	28	28	28	27	26	26	26	26	25	25	24	24	24	25
26	25	25	25	25	24	23	24	25	27	28	28	29	30	28	26	26	27	27	26	25	25	25	25	25	26
27	25	25	25	24	24	24	24	25	26	27	27	29	30	30	27	25	27	26	26	25	25	25	24	24	26
28	23	23	23	23	22	22	23	25	28	29	30	31	31	30	31	31	30	28	27	26	25	25	25	25	27
29	24	24	24	24	24	24	24	26	28	29	30	30	30	30	29	29	28	28	27	26	26	26	26	26	27
30	26	26	24	22	22	21	20	20	20	20	20	20	20	20	20	19	19	18	17	18	18	18	18	19	20
31	20	20	19	18	19	19	20	20	21	20	20	20	19	19	19	19	19	18	18	18	18	18	18	18	19
Avg	24	24	23	23	23	23	23	25	26	27	28	28	29	29	29	29	28	27	26	25	25	24	24	24	26
S/D	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	3	3	3	3	2	2	2	2	2
S/A	0.09	0.1	0.1	0.11	0.1	0.1	0.09	0.08	0.08	0.09	0.1	0.11	0.12	0.13	0.13	0.13	0.12	0.12	0.11	0.1	0.1	0.09	0.09	0.09	0.09
Min	19	18	17	17	17	17	20	20	20	20	20	20	19	19	19	19	19	18	17	18	18	18	18	18	19
Max	29	28	28	28	27	27	27	28	29	32	33	35	36	37	37	36	35	34	31	29	28	27	27	27	30

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 - August 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	92	91	89	84	84	87	88	88	83	75	68	61	56	53	55	60	65	69	72	82	92	98	99	?	75			
2	100	?	100	?	?	?	100	?	96	88	73	64	60	61	58	53	44	45	58	75	82	88	91	93	62	?		
3	95	97	98	98	98	96	93	85	78	69	69	68	67	65	65	64	65	66	66	71	76	80	82	84	79			
4	84	84	83	83	83	82	81	74	81	77	74	76	76	75	77	77	75	82	89	91	94	96	96	98	83			
5	100	?	?	?	?	?	97	89	79	69	68	66	62	59	60	62	65	74	82	86	85	83	84	86	61	?		
6	90	93	96	98	99	99	97	90	80	74	73	68	66	65	68	77	82	85	88	92	94	95	96	97	86			
7	99	?	?	?	?	?	99	?	91	80	79	72	61	52	57	60	79	74	79	85	87	83	84	91	61	?		
8	96	97	98	98	98	97	98	97	91	86	82	77	75	73	69	66	71	75	74	78	80	83	86	87	85			
9	88	90	92	90	86	88	91	95	93	83	86	95	98	95	80	78	77	79	81	84	85	87	94	87	87			
10	98	?	?	?	?	100	94	78	66	62	61	57	56	55	56	50	53	57	64	72	75	78	81	83	58	?		
11	83	84	87	89	91	92	90	84	83	86	86	83	80	75	71	69	75	78	91	97	96	94	90	92	85			
12	91	94	96	96	95	97	95	90	86	83	82	76	71	70	70	69	68	70	74	82	89	93	96	99	85			
13	100	100	?	?	?	?	99	?	95	89	81	75	71	68	66	68	70	76	79	83	88	92	95	95	70	?		
14	98	99	99	99	98	97	97	95	91	86	82	78	75	70	71	71	70	75	84	99	?	99	?	?	?	76	?	
15	?	?	?	?	?	?	?	100	?	95	83	80	79	74	70	72	71	74	79	85	91	96	97	98	59	?		
16	99	99	98	96	96	98	96	89	82	71	65	63	62	63	62	74	75	76	82	85	90	94	97	99	84			
17	99	?	?	?	?	?	98	?	93	88	78	75	69	62	62	56	52	60	65	75	82	87	90	92	93	62	?	
18	92	94	94	95	97	98	97	95	85	75	68	56	49	45	45	43	64	68	68	73	79	86	85	96	77			
19	96	93	93	93	94	94	96	87	77	69	67	66	67	70	69	69	74	79	87	91	94	97	95	96	84			
20	97	98	99	100	?	100	?	97	95	89	81	79	84	95	94	87	84	84	88	90	82	89	94	96	97	92		
21	100	100	100	?	100	?	?	?	?	97	?	87	80	76	74	70	78	78	87	99	99	99	99	99	99	76	?	
22	100	100	?	100	?	100	?	99	?	96	93	84	76	72	68	67	72	70	71	76	78	79	81	82	84	89	84	
23	93	97	100	?	?	99	100	?	98	83	70	65	63	62	59	58	59	62	63	66	71	74	77	82	85	73	?	
24	85	84	92	95	96	92	86	74	70	65	56	53	58	64	62	68	69	70	75	80	79	78	81	83	76			
25	85	91	99	100	?	99	99	98	96	91	86	79	81	81	89	91	89	90	94	99	97	97	100	?	?	85	?	
26	?	100	?	100	99	98	93	90	84	84	85	79	75	66	82	85	88	85	86	87	90	91	93	95	99	85		
27	100	?	100	100	?	89	?	90	94	99	99	97	90	88	81	77	78	86	92	86	89	92	95	96	97	98	92	
28	99	100	100	?	?	?	?	99	?	92	81	71	66	57	65	60	58	70	80	88	91	95	97	98	100	72	?	
29	?	?	?	?	?	?	?	?	?	96	?	87	79	73	73	69	74	77	81	85	86	92	95	96	97	98	61	?
30	98	97	96	97	98	98	98	99	98	98	97	97	97	98	96	97	97	97	97	95	91	87	86	87	83	95		
31	81	83	88	92	89	85	82	81	80	84	85	87	91	95	97	95	90	94	96	98	97	97	98	97	90			
Avg	94	95	95	95	94	95	95	90	84	78	75	72	70	70	71	74	77	81	86	89	90	92	93	93	77			
S D	6	6	5	5	5	5	5	7	8	8	9	12	13	12	12	13	11	12	10	8	7	7	6	6	11			
S/A	0.06	0.06	0.05	0.05	0.06	0.05	0.05	0.08	0.09	0.11	0.12	0.16	0.18	0.17	0.18	0.19	0.15	0.15	0.13	0.1	0.08	0.08	0.07	0.06	0.14			
Min	81	83	83	83	83	82	81	74	66	62	56	53	49	45	45	43	44	45	58	71	74	77	81	83	58			
Max	100	100	100	100	100	100	100	100	98	98	97	97	98	96	97	97	97	99	99	99	99	99	100	100	95			

Data Recovery: 0% missing; 10% 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 - August 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	28	28	28	27	27	27	27	28	30	34	37	39	40	41	41	41	39	37	34	29	25	24	23	23	32
2	23	23	23	23	23	23	23	25	27	29	30	32	33	33	33	33	33	32	30	27	25	24	23	23	27
3	22	22	21	21	20	21	22	25	28	29	30	31	31	31	31	31	31	29	28	26	25	25	25	25	26
4	25	25	25	25	25	25	25	25	23	24	27	27	28	27	27	27	28	28	26	24	23	23	22	21	25
5	20	20	19	19	19	19	20	23	26	29	30	31	33	33	34	33	31	30	28	26	25	25	24	24	26
6	24	23	23	22	22	22	23	26	29	32	34	36	36	36	35	34	32	30	29	27	26	25	24	23	28
7	22	22	22	21	22	22	23	26	30	33	34	35	35	35	35	34	33	32	30	28	27	27	26	26	28
8	26	26	26	26	26	26	26	26	28	29	31	33	34	34	35	36	36	34	31	28	27	26	26	26	29
9	25	25	25	25	25	24	24	24	25	25	25	24	23	23	24	25	25	24	22	21	20	19	19	19	23
10	18	17	16	16	16	16	18	22	26	29	30	30	30	31	31	31	31	30	27	25	23	22	22	21	24
11	21	21	22	22	22	22	23	26	29	30	30	31	32	33	34	34	31	29	26	23	23	23	23	23	26
12	23	23	23	23	23	23	23	25	28	30	30	31	33	33	34	34	34	33	31	29	27	27	26	26	28
13	26	25	25	25	25	25	26	28	30	32	34	34	35	35	35	35	33	32	30	29	28	27	27	26	29
14	26	26	26	26	26	26	26	27	29	31	33	34	34	35	35	35	34	32	30	25	22	22	21	21	28
15	21	21	21	20	20	20	21	22	23	27	30	32	32	32	32	32	32	31	30	28	26	25	25	25	26
16	24	24	23	23	22	22	23	25	28	31	33	35	35	35	34	32	32	31	29	26	25	24	23	22	28
17	22	22	21	21	21	21	22	25	29	31	33	34	35	35	35	35	35	33	31	28	27	26	26	26	28
18	26	26	25	25	25	25	25	27	29	32	34	35	37	38	39	39	36	33	31	29	28	27	27	25	30
19	23	23	24	24	23	23	23	26	29	31	33	34	34	34	34	34	33	31	29	27	26	26	26	26	28
20	25	25	25	25	25	24	24	25	28	30	29	26	25	27	29	29	28	28	27	25	24	23	23	22	26
21	22	22	22	22	22	21	21	21	23	27	30	31	31	32	31	30	28	24	23	22	22	22	22	22	25
22	21	21	20	20	20	20	20	22	25	26	28	30	31	29	29	30	28	26	24	23	22	22	21	20	24
23	20	19	19	18	18	18	19	22	27	30	31	31	31	31	31	30	29	28	26	24	23	22	21	20	24
24	19	20	19	19	18	19	20	24	27	28	30	30	30	30	30	30	28	27	26	25	24	24	24	24	25
25	24	23	23	22	22	23	23	24	25	27	29	31	30	29	28	27	27	27	26	25	25	24	24	24	26
26	24	24	24	25	24	23	23	26	28	30	31	32	33	31	27	27	27	26	26	25	24	24	24	24	27
27	24	25	25	24	24	23	24	25	26	28	30	32	33	33	30	26	28	28	26	25	25	25	24	23	27
28	23	23	22	22	22	21	22	25	29	32	34	35	35	34	34	34	33	31	28	26	25	24	24	24	28
29	24	23	23	23	23	24	24	26	29	31	34	34	33	34	33	31	30	29	28	27	26	26	26	26	28
30	26	26	24	22	21	21	20	20	20	19	19	19	19	19	19	19	18	18	17	16	17	17	17	18	20
31	19	19	18	17	17	18	19	20	20	20	20	19	18	18	18	18	18	17	17	17	17	17	17	17	18
Avg	23	23	23	22	22	22	23	25	27	29	30	31	32	32	32	31	30	29	27	25	24	24	23	23	26
S/D	2	2	3	3	3	3	2	2	3	3	4	4	5	5	5	5	4	4	4	3	3	2	2	2	3
S/A	0.1	0.11	0.11	0.12	0.12	0.12	0.1	0.09	0.1	0.11	0.12	0.14	0.15	0.15	0.15	0.16	0.15	0.14	0.13	0.12	0.11	0.1	0.11	0.1	0.1
Min	18	17	16	16	16	16	18	20	20	19	19	19	18	18	18	18	18	17	17	16	17	17	17	17	18
Max	28	28	28	27	27	27	27	28	30	34	37	39	40	41	41	41	39	37	34	29	28	27	27	26	32

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 - August 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	2	2	1	2	1	1	1	2	2	1	1	2	2	1	1	2	2	1	3	6	2	2	2	2	2
2	1	1	1	1	1	1	1	1	2	3	3	3	3	3	4	3	3	3	2	2	2	2	1	1	2
3	1	1	1	2	2	1	2	3	4	5	4	4	5	5	5	5	4	4	3	3	3	3	3	3	3
4	3	3	3	2	3	2	3	3	2	3	4	4	4	4	4	3	4	3	2	1	1	1	0	1	3
5	1	1	1	1	2	1	1	2	3	2	3	3	2	3	2	2	1	2	2	2	2	2	2	2	2
6	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	1	1	0	0	2
7	0	0	0	0	0	0	0	0	1	2	3	3	3	4	4	4	4	4	2	2	2	2	2	2	2
8	3	3	3	2	3	3	2	3	4	4	3	4	4	4	4	3	3	3	4	3	2	1	1	1	3
9	0	1	1	1	2	2	2	1	2	3	2	2	2	2	3	3	2	2	1	0	0	1	1	0	1
10	0	0	0	1	0	0	0	0	1	2	2	2	2	2	3	2	2	3	3	2	2	1	1	1	1
11	1	1	1	2	1	1	2	3	3	3	3	3	3	3	2	3	5	4	5	4	5	4	3	2	3
12	2	1	1	1	1	1	1	1	2	3	4	3	3	3	2	2	2	2	2	1	1	1	1	1	2
13	1	2	2	0	1	1	2	2	3	3	3	4	4	4	3	4	3	5	4	3	3	3	2	2	3
14	2	2	2	2	2	3	2	3	3	4	4	4	4	4	5	4	5	4	4	3	1	1	1	2	3
15	2	1	0	0	0	0	0	0	1	1	1	1	2	2	2	1	0	0	0	0	0	1	0	1	1
16	1	1	1	2	1	0	1	2	2	2	1	1	1	1	2	3	2	2	2	2	2	1	0	0	1
17	0	0	0	0	0	0	0	1	2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	3	2
18	3	3	3	3	2	2	2	3	2	2	2	1	1	1	1	1	3	2	2	2	2	1	2	2	2
19	2	1	2	1	1	1	0	1	2	3	2	3	3	3	3	3	3	3	2	2	2	2	2	1	2
20	2	1	1	2	2	2	1	2	2	2	2	2	2	1	1	2	1	1	1	1	0	0	0	0	1
21	0	0	0	0	3	1	1	1	2	2	1	1	2	2	3	3	3	1	2	2	2	2	1	2	2
22	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	3	2	2	2	2	1	0	0	2
23	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	4	4	3	2	2	1	0	0	0	1
24	0	0	0	0	0	1	1	2	3	3	4	4	3	4	4	4	4	3	2	2	3	2	2	2	2
25	2	1	1	0	2	2	3	2	3	3	3	3	3	3	1	0	2	2	1	1	1	0	1	1	2
26	2	2	2	3	3	1	0	0	3	3	3	2	2	3	2	2	2	2	1	1	1	1	1	1	2
27	1	1	1	1	1	0	1	1	2	2	2	2	3	2	5	3	3	2	1	1	1	2	1	1	2
28	1	1	0	0	0	0	0	0	0	1	1	2	2	3	2	2	2	2	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	1	1	1	2	3	3	3	3	3	2	2	1	2	2	2	2	1
30	2	3	6	7	7	8	8	8	8	8	8	8	9	8	8	8	7	7	7	6	6	5	5	7	7
31	5	5	4	4	4	4	5	5	4	4	4	5	5	5	5	4	5	5	5	5	6	6	5	5	5
Avg	1	1	1	1	2	1	1	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1	2
S/D	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S/A	0.8	0.85	1.01	1.05	0.94	1.14	1.15	0.85	0.6	0.52	0.52	0.5	0.51	0.49	0.46	0.46	0.44	0.49	0.56	0.66	0.77	0.83	0.84	0.87	0.55
Min	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1
Max	5	5	6	7	7	8	8	8	8	8	8	8	9	8	8	8	7	7	7	6	6	6	5	5	7

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

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

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

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

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

Wind Direction
Hourly and Daily Averages
Degrees
Elizabeth City State Universit - August 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	120	142	119	145	149	156	150	179	201	193	199	243	252	271	225	177	176	180	295	246	191	189	216	207	199
2	227	261	240	220	176	207	229	255	281	304	315	322	342	345	298	304	303	309	318	325	318	311	304	274	302
3	270	275	255	265	277	269	282	293	309	326	327	348	2	350	17	340	348	338	349	337	344	345	342	342	334
4	345	344	346	345	343	336	1	22	356	334	347	356	354	353	339	325	342	333	332	325	268	244	239	221	343
5	221	219	195	180	200	198	191	180	175	180	169	167	172	179	128	119	81	181	125	120	114	144	146	150	161
6	151	156	152	166	172	200	232	220	332	346	346	33	360	26	36	23	4	28	11	9	35	69	65	87	36
7	113	83	76	0	15	0	46	35	32	25	53	71	72	48	36	48	59	102	93	78	102	125	130	121	72
8	139	143	148	142	147	155	157	153	162	165	179	157	153	155	165	155	116	124	167	158	189	188	163	178	155
9	235	179	187	226	240	253	272	299	325	328	322	304	340	332	332	332	336	342	334	331	336	339	335	289	314
10	249	216	214	247	265	276	282	274	338	16	48	49	47	84	86	107	129	82	61	76	84	99	100	97	73
11	93	113	121	106	107	103	109	112	120	149	140	162	177	134	161	132	102	48	60	83	65	76	88	120	108
12	141	95	234	192	204	292	340	30	37	49	60	65	67	85	103	133	111	77	72	44	70	72	92	103	80
13	105	93	87	106	96	101	82	93	124	120	136	130	120	107	112	116	101	100	104	110	102	108	123	136	111
14	128	132	125	130	140	144	129	142	149	149	124	133	123	124	100	103	88	106	214	222	184	147	147	222	133
15	216	220	151	183	191	171	141	155	178	192	208	137	120	117	149	161	135	189	275	299	297	354	316	295	164
16	301	291	294	306	352	281	324	356	350	331	318	242	292	303	9	40	29	25	9	26	35	83	100	115	353
17	123	181	0	265	237	217	147	187	181	188	165	155	152	160	130	120	94	87	112	107	113	119	129	140	134
18	140	151	163	153	163	172	190	218	234	219	225	226	250	262	208	253	12	18	25	44	44	28	320	99	177
19	343	326	8	347	347	333	282	349	9	18	8	350	353	11	351	14	349	356	14	17	12	21	23	19	3
20	17	355	356	175	163	256	41	59	184	214	255	77	73	114	139	160	176	197	184	159	181	195	125	197	154
21	0	81	0	111	206	54	170	220	210	219	216	252	325	49	62	38	316	319	293	300	302	297	278	292	297
22	286	286	291	295	285	300	293	306	322	339	325	342	2	12	9	41	36	19	33	29	23	36	96	59	350
23	341	283	232	233	298	281	288	3	4	11	45	55	55	53	39	55	63	59	55	56	51	78	102	93	51
24	57	60	316	335	337	2	3	22	28	30	22	34	48	46	42	32	23	26	10	25	42	34	17	13	30
25	17	3	49	10	29	36	36	47	49	76	81	76	87	87	112	84	81	100	138	100	103	107	117	112	69
26	100	131	137	165	172	193	81	142	159	167	163	174	155	149	113	82	108	106	85	82	93	121	96	120	137
27	133	146	151	248	75	120	158	166	149	122	111	141	103	137	92	137	131	140	140	121	110	137	165	195	131
28	178	169	161	238	0	87	244	221	72	6	13	80	74	48	88	98	76	79	105	121	84	87	99	0	80
29	277	273	272	270	326	47	282	336	6	1	36	30	36	10	16	49	55	45	11	347	340	6	354	9	20
30	318	342	332	333	324	325	325	322	326	316	315	309	311	295	291	294	283	284	291	284	282	290	292	281	307
31	292	296	279	268	271	281	291	283	289	283	295	270	265	272	270	261	272	272	269	279	267	265	268	284	277
Avg	164	146	222	217	214	268	299	316	321	337	9	56	44	47	54	53	42	42	16	12	32	31	346	204	43

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 - August 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	3	3	2	3	2	2	2	3	4	3	2	3	3	2	3	3	3	1	5	10	3	4	4	3	3
2	2	2	3	2	1	2	3	3	5	5	5	5	5	5	6	6	6	4	4	3	3	3	2	2	4
3	2	1	2	3	3	2	3	5	6	7	7	7	7	7	7	7	7	7	6	4	4	5	5	4	5
4	4	4	4	4	4	4	5	5	4	4	6	6	6	6	6	5	6	5	3	2	2	2	1	2	4
5	2	2	1	1	3	2	2	3	4	4	5	5	4	4	4	4	2	3	4	4	3	4	3	3	3
6	3	3	3	3	3	2	2	2	2	2	2	3	2	2	3	5	5	4	4	3	2	1	0	0	2
7	0	0	0	0	0	0	0	1	2	3	4	5	5	5	6	6	6	6	4	3	4	4	4	4	3
8	5	5	4	4	5	5	4	5	7	6	5	6	6	6	6	5	4	5	6	4	3	2	1	1	5
9	1	1	1	2	3	3	3	3	4	5	4	3	3	4	5	5	3	3	2	1	1	1	1	1	3
10	1	1	1	1	1	0	0	1	2	3	3	4	3	3	5	4	3	4	4	3	3	2	2	2	2
11	1	2	2	3	2	2	3	5	6	5	4	5	5	5	4	5	7	6	7	6	8	6	5	4	5
12	4	3	3	2	2	1	1	2	4	5	5	5	4	5	4	3	3	3	2	1	2	2	2	2	3
13	2	2	2	1	2	2	3	4	5	5	5	6	6	6	5	6	5	7	6	5	5	5	4	4	4
14	4	4	4	4	4	5	4	5	6	6	6	6	7	7	7	7	8	6	6	5	2	2	2	4	5
15	4	2	0	1	1	0	1	0	1	2	2	3	4	4	4	4	3	1	1	1	1	1	1	2	2
16	2	2	2	3	2	1	2	3	3	3	2	3	3	3	3	4	3	3	3	3	3	1	0	1	2
17	0	0	0	0	0	0	1	2	3	3	4	4	4	4	5	4	4	4	4	4	4	4	5	4	3
18	4	4	4	4	4	4	4	5	5	4	4	3	2	3	3	2	4	4	3	3	2	2	4	4	4
19	3	3	3	2	2	2	0	2	4	5	3	4	4	5	4	5	4	5	4	4	4	4	4	2	3
20	3	1	1	3	4	3	1	3	4	4	3	4	3	2	3	3	2	2	2	1	1	1	0	0	2
21	0	0	0	0	6	1	2	2	3	4	3	2	3	3	5	5	6	2	4	3	3	3	2	3	3
22	2	2	2	2	2	2	3	3	4	4	3	3	3	4	3	4	4	4	3	3	3	1	1	0	3
23	0	0	0	0	0	0	0	1	2	3	4	4	4	5	4	5	5	4	3	3	2	1	1	0	2
24	1	1	0	0	1	1	1	3	5	6	5	5	6	6	6	6	6	5	4	4	4	4	3	3	3
25	3	2	3	0	3	3	4	4	4	5	5	5	4	4	2	1	3	3	2	2	2	1	2	2	3
26	3	4	4	5	4	1	1	1	4	5	5	4	4	4	4	3	3	3	2	2	1	1	2	2	3
27	2	2	2	2	1	1	2	3	3	4	4	4	4	3	7	5	5	3	2	2	3	3	2	2	3
28	2	2	1	1	0	0	0	0	1	2	2	3	3	4	3	4	4	3	2	1	1	1	0	0	2
29	0	0	0	0	0	0	0	1	2	2	3	3	4	5	5	5	5	4	3	2	3	4	4	3	2
30	4	5	10	11	11	12	13	13	13	13	13	12	14	13	13	12	11	11	11	10	10	10	9	9	11
31	9	8	7	6	6	7	7	8	7	7	7	7	8	8	8	7	8	8	9	8	9	10	8	9	8
Avg	2	2	2	2	3	2	3	3	4	5	4	5	5	5	5	5	5	4	4	4	3	3	3	3	4
S/D	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
S/A	0.73	0.75	0.92	0.94	0.86	1.02	1	0.75	0.54	0.46	0.46	0.44	0.47	0.44	0.44	0.42	0.41	0.47	0.53	0.62	0.68	0.73	0.75	0.8	0.51
Min	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	2	1	1	1	1	0	0	0	2
Max	9	8	10	11	11	12	13	13	13	13	13	12	14	13	13	12	11	11	11	10	10	10	9	9	11

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 - August 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	1008	1007	1007	1007	1006	1007	1007	1007	1008	1008	1008	1008	1008	1007	1007	1006	1006	1006	1007	1008	1009	1010	1010	1009	1008
2	1009	1008	1008	1008	1009	1010	1010	1011	1011	1011	1012	1012	1012	1012	1011	1011	1012	1012	1012	1013	1013	1013	1013	1013	1011
3	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1014
4	1013	1013	1012	1012	1012	1012	1012	1012	1013	1013	1012	1012	1011	1011	1010	1010	1010	1009	1009	1009	1010	1010	1010	1010	1011
5	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1010	1009
6	1010	1010	1010	1010	1010	1011	1011	1011	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1011
7	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1013	1013	1013	1014	1013	1014
8	1013	1013	1012	1012	1012	1012	1012	1012	1012	1011	1011	1010	1009	1008	1008	1008	1007	1006	1006	1006	1006	1007	1008	1007	1009
9	1007	1006	1006	1006	1006	1006	1007	1007	1007	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1009	1010	1010	1010	1008
10	1009	1009	1009	1009	1009	1010	1010	1011	1011	1011	1012	1011	1011	1011	1010	1010	1009	1009	1009	1009	1010	1010	1010	1010	1010
11	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1009	1009	1008	1007	1008	1009	1010	1009	1010	1011	1011	1011	1009
12	1010	1010	1011	1010	1010	1010	1010	1011	1012	1013	1013	1013	1012	1012	1012	1011	1011	1012	1012	1012	1012	1012	1013	1013	1012
13	1013	1012	1012	1012	1013	1013	1013	1014	1014	1014	1014	1013	1012	1012	1012	1011	1011	1010	1010	1010	1010	1010	1010	1010	1012
14	1010	1010	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1009	1009	1008	1007	1007	1007	1010	1011	1011	1009	1009	1011	1009
15	1012	1012	1011	1011	1012	1012	1013	1013	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1017	1017	1018	1018	1014
16	1018	1018	1018	1018	1019	1019	1019	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020
17	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1016	1015	1015	1014	1013	1013	1012	1012	1012	1012	1012	1012	1011	1015
18	1011	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1008	1008	1007	1007	1007	1008	1008	1008	1009	1008	1009	1009	1009
19	1009	1008	1009	1009	1010	1010	1011	1011	1011	1012	1012	1012	1012	1012	1012	1011	1011	1011	1012	1012	1012	1013	1012	1012	1011
20	1011	1011	1011	1011	1011	1013	1013	1014	1013	1013	1014	1013	1012	1013	1013	1012	1012	1012	1012	1012	1013	1013	1013	1012	1012
21	1012	1011	1011	1011	1013	1013	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1013	1012
22	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1016	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1015
23	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1017	1017	1017	1016	1016	1016	1015	1016	1016	1017	1017	1017	1016	1016
24	1016	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016
25	1015	1014	1014	1014	1013	1013	1014	1014	1014	1014	1014	1014	1013	1012	1012	1012	1011	1011	1011	1011	1011	1011	1012	1012	1013
26	1011	1010	1010	1010	1010	1011	1011	1012	1012	1012	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1011	1011	1010	1011	1011
27	1011	1010	1010	1010	1010	1010	1011	1011	1011	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011
28	1012	1011	1011	1011	1011	1012	1013	1013	1013	1014	1013	1013	1013	1013	1012	1012	1012	1012	1011	1011	1012	1012	1012	1012	1012
29	1012	1012	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012	1011	1011	1010	1010	1010	1010	1010	1010	1010	1009	1009	1009	1011
30	1008	1008	1007	1007	1008	1007	1007	1006	1006	1006	1006	1006	1006	1006	1006	1007	1008	1009	1010	1011	1012	1012	1012	1013	1008
31	1012	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015	1014	1014	1014	1013	1013	1013	1012	1012	1012	1012	1012	1012	1011	1013
Avg	1012	1011	1011	1011	1011	1012	1012	1012	1013	1013	1013	1013	1012	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012
S/D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Min	1007	1006	1006	1006	1006	1006	1007	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1007	1008	1007	1007	1008
Max	1019	1018	1018	1018	1019	1019	1019	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020

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