

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - January 2000

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	27	129	267 ?	421 ?	487	485	421	307	157	29	0	0	0	0	0	0	0	2730
2	0	0	0	0	0	0	0	30	86 ?	320 ?	328	458	424	388	236	115	29	0	0	0	0	0	0	0	2413
3	0	0	0	0	0	0	0	45	124	277	335	457	482	385	254	128	36	0	0	0	0	0	0	0	2524
4	0	0	0	0	0	0	0	14	116	208	342	433	385	385	259	172	37	0	0	0	0	0	0	0	2352
5	0	0	0	0	0	0	0	26	52	321	454	522	526	466	351	183	41	0	0	0	0	0	0	0	2942
6	0	0	0	0	0	0	0	21	110	301	244	299	373	153	150	76	15	0	0	0	0	0	0	0	1743
7	0	0	0	0	0	0	0	8	39	71	82	83	102	263	345	189	41	0	0	0	0	0	0	0	1223
8	0	0	0	0	0	0	0	10	169	318	406	465	432	447	226	82	39	0	0	0	0	0	0	0	2596
9	0	0	0	0	0	0	0	5	23	52	81	129	234	84	33	43	7	0	0	0	0	0	0	0	692
10	0	0	0	0	0	0	0	1	14	30	27	47	170	252	118	86	57	0	0	0	0	0	0	0	803
11	0	0	0	0	0	0	0	32	173	339	464	533	540	481	367	201	51	0	0	0	0	0	0	0	3181
12	0	0	0	0	0	0	0	32	169	326	444	517	525	470	362	204	51	0	0	0	0	0	0	0	3100
13	0	0	0	0	0	0	0	31	159	262	131	174	116	282	409	206	53	0	0	0	0	0	0	0	1823
14	0	0	0	0	0	0	0	34	184	355	484	559	569	513	398	230	63	0	0	0	0	0	0	0	3388
15	0	0	0	0	0	0	0	33	178	346	473	542	546	487	380	221	46	0	0	0	0	0	0	0	3253
16	0	0	0	0	0	0	0	7	82	113	122	455	482	407	176	104	40	1	0	0	0	0	0	0	1987
17	0	0	0	0	0	0	0	36	190	366	494	567	576	522	406	241	71	0	0	0	0	0	0	0	3469
18	0	0	0	0	0	0	0	7	72	195	164	230	114	68	46	29	9	0	0	0	0	0	0	0	935
19	0	0	0	0	0	0	0	14	155	344	448	544	522	329	218	122	51	3	0	0	0	0	0	0	2750
20	0	0	0	0	0	0	0	6	32	81	217	464	440	435	159	72	46	1	0	0	0	0	0	0	1953
21	0	0	0	0	0	0	0	38	194	372	505	580	591	535	419	253	82	1	0	0	0	0	0	0	3571
22	0	0	0	0	0	0	0	25	135	347	565	546	335	262	246	133	50	3	0	0	0	0	0	0	2647
23	0	0	0	0	0	0	0	10	36	59	75	84	66	47	56	35	6	0	0	0	0	0	0	0	473
24	0	0	0	0	0	0	0	4	25	45	73	79	62	50	45	32	8	0	0	0	0	0	0	0	423
25	0	0	0	0	0	0	0	3	12	27	55	55	59	81	107	39	10	0	0	0	0	0	0	0	447
26	0	0	0	0	0	0	0	38	144 ?	?	177 ?	?	?	328 ?	?	112 ?	69	3	0	0	0	0	0	0	870 ?
27	0	0	0	0	0	0	0	44	128 ?	408 ?	?	?	?	?	?	65 ?	3	0	0	0	0	0	0	0	648 ?
28	0	0	0	0	0	0	0	48	137 ?	330 ?	?	?	352 ?	343 ?	?	87 ?	65 ?	1	0	0	0	0	0	0	1363 ?
29	0	0	0	0	0	0	0	47	180 ?	?	?	?	?	?	?	49 ?	1	0	0	0	0	0	0	0	278 ?
30	0	0	0	0	0	0	0	10	42	36	77	114	93	48	46	21	5	1	0	0	0	0	0	0	492
31	0	0	0	0	0	0	0	16	131 ?	?	?	?	?	?	?	67 ?	5	0	0	0	0	0	0	0	218 ?
Avg	0	0	0	0	0	0	0	23	110	233	285	362	356	319	235	128	42	1	0	0	0	0	0	0	1848
S D	0	0	0	0	0	0	0	15	59	129	174	194	186	160	129	71	21	1	0	0	0	0	0	0	1099
S/A	0	0	0	0	0	0	0	0.65	0.54	0.56	0.61	0.54	0.52	0.5	0.55	0.56	0.51	1.53	0	0	0	0	0	0	0.59
Min	0	0	0	0	0	0	0	1	12	27	27	47	59	47	33	21	5	0	0	0	0	0	0	0	218
Max	0	0	0	0	0	0	0	48	194	408	565	580	591	535	419	253	82	5	0	0	0	0	0	0	3571

Daylight Data Recovery: 0% missing; 13% exceed the 15% QC threshold -- 3720 total daylight 5-minute measurements.

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

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

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

Instrument: PSP
Calibration Constant: 9.83 uV/Wm-2
Serial Number: 25823F3
Calibration Date: 5/20/1998

**Direct Normal Solar Radiation
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - January 2000**

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	63	517	715 ?	796 ?	813	781	733	658	500	170	0	0	0	0	0	0	0	5746
2	0	0	0	0	0	0	0	57	185 ?	591 ?	421	661	528	526	119	84	58	0	0	0	0	0	0	0	3230
3	0	0	0	0	0	0	0	109	194	340	314	603	694	400	228	86	86	0	0	0	0	0	0	0	3054
4	0	0	0	0	0	0	0	2	19	53	201	256	195	423	346	527	224	1	0	0	0	0	0	0	2246
5	0	0	0	0	0	0	0	97	13	648	845	884	892	867	811	644	329	0	0	0	0	0	0	0	6030
6	0	0	0	0	0	0	0	74	75	509	83	175	266	10	5	2	1	0	0	0	0	0	0	0	1200
7	0	0	0	0	0	0	0	6	3	2	1	0	2	121	744	642	304	0	0	0	0	0	0	0	1826
8	0	0	0	0	0	0	0	13	565	694	587	686	453	631	272	15	27	0	0	0	0	0	0	0	3943
9	0	0	0	0	0	0	0	1	1	2	3	2	9	0	0	0	0	0	0	0	0	0	0	0	19
10	0	0	0	0	0	0	0	0	1	1	2	1	3	38	2	17	197	1	0	0	0	0	0	0	263
11	0	0	0	0	0	0	0	208	597	742	812	844	850	820	749	588	270	1	0	0	0	0	0	0	6482
12	0	0	0	0	0	0	0	222	596	725	783	812	821	805	762	671	338	1	0	0	0	0	0	0	6536
13	0	0	0	0	0	0	0	182	506	210	19	9	3	277	765	552	299	2	0	0	0	0	0	0	2824
14	0	0	0	0	0	0	0	251	711	857	912	942	949	935	884	774	468	3	0	0	0	0	0	0	7687
15	0	0	0	0	0	0	0	268	675	833	886	907	899	875	831	727	278	3	0	0	0	0	0	0	7183
16	0	0	0	0	0	0	0	1	2	3	2	272	342	278	9	4	6	1	0	0	0	0	0	0	920
17	0	0	0	0	0	0	0	275	715	860	914	936	937	920	873	773	470	1	0	0	0	0	0	0	7675
18	0	0	0	0	0	0	0	0	1	59	1	7	1	0	0	0	0	0	0	0	0	0	0	0	69
19	0	0	0	0	0	0	0	1	354	718	724	807	643	157	21	4	22	5	0	0	0	0	0	0	3455
20	0	0	0	0	0	0	0	0	1	1	16	471	371	526	59	4	34	5	0	0	0	0	0	0	1488
21	0	0	0	0	0	0	0	255	673	830	898	939	938	917	861	752	507	17	0	0	0	0	0	0	7587
22	0	0	0	0	0	0	0	16	47	393	741	730	113	24	84	18	12	1	0	0	0	0	0	0	2180
23	0	0	0	0	0	0	0	1	2	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	15
24	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	5
25	0	0	0	0	0	0	0	1	1	1	0	0	5	0	1	1	0	0	0	0	0	0	0	0	11
26	0	0	0	0	0	0	0	4	10 ?	?	7 ?	?	?	1 ?	?	1 ?	1	0	0	0	0	0	0	0	24 ?
27	0	0	0	0	0	0	0	5	9 ?	?	?	?	?	?	?	?	4 ?	8	0	0	0	0	0	0	26 ?
28	0	0	0	0	0	0	0	7	17 ?	?	?	?	3 ?	5 ?	?	2 ?	6 ?	0	0	0	0	0	0	0	40 ?
29	0	0	0	0	0	0	0	7	15 ?	?	?	?	?	?	?	?	3 ?	0	0	0	0	0	0	0	25 ?
30	0	0	0	0	0	0	0	0	1	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	10
31	0	0	0	0	0	0	0	0	3 ?	?	?	?	?	?	?	?	4 ?	0	0	0	0	0	0	0	7 ?
Avg	0	0	0	0	0	0	0	69	210	377	369	452	396	368	350	264	133	2	0	0	0	0	0	0	2639
S/D	0	0	0	0	0	0	0	97	273	345	382	383	374	361	364	317	164	3	0	0	0	0	0	0	2773
S/A	0	0	0	0	0	0	0	1.41	1.3	0.92	1.03	0.85	0.94	0.98	1.04	1.2	1.23	2	0	0	0	0	0	0	1.05
Min	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Max	0	0	0	0	0	0	0	275	715	860	914	942	949	935	884	774	507	17	0	0	0	0	0	0	7687

Daylight Data Recovery: 0% missing; 13% exceed the 15% QC threshold -- 3720 total daylight 5-minute measurements.

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

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

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

Instrument: NIP
 Calibration Constant: 7.53 uV/Wm-2
 Serial Number: 25519E6
 Calibration Date: 5/20/1998

Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - January 2000

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	15	41	48	51	58	70	69	61	45	14	0	0	0	0	0	0	0	472
2	0	0	0	0	0	0	0	23	61 ?	98 ?	109	92	119	117	174	94	23	0	0	0	0	0	0	0	909
3	0	0	0	0	0	0	0	31 ?	76	151	162	119	102	174	154	103	28	0	0	0	0	0	0	0	1100
4	0	0	0	0	0	0	0	13	107	176	213	273	261	167	125	49	16	0	0	0	0	0	0	0	1400
5	0	0	0	0	0	0	0	19	45	68	50	50	48	45	40	32	12	0	0	0	0	0	0	0	408
6	0	0	0	0	0	0	0	15	90	100	194	189	219	144	144	73	15	0	0	0	0	0	0	0	1184
7	0	0	0	0	0	0	0	8	37	69	79	81	99	188	47	34	12	0	0	0	0	0	0	0	653
8	0	0	0	0	0	0	0	9	38	53	94	69	163	120	101	76	36	0	0	0	0	0	0	0	758
9	0	0	0	0	0	0	0	5	23	51	79	126	222	82	31	42	7	0	0	0	0	0	0	0	666
10	0	0	0	0	0	0	0	1	14	29	26	46	164	222	113	79	32	0	0	0	0	0	0	0	727
11	0	0	0	0	0	0	0	12	35	43	46	47	48	50	49	43	20	0	0	0	0	0	0	0	394
12	0	0	0	0	0	0	0	12	33	39	41	43	44	42	41	35	17	0	0	0	0	0	0	0	346
13	0	0	0	0	0	0	0	15	52	190	119	166	111	132	102	65	21	0	0	0	0	0	0	0	973
14	0	0	0	0	0	0	0	12	34	43	48	50	49	45	41	32	15	0	0	0	0	0	0	0	369
15	0	0	0	0	0	0	0	11	34	43	48	50	51	46	42	34	15	0	0	0	0	0	0	0	373
16	0	0	0	0	0	0	0	6	77	108	118	267	276	256	164	98	38	0	0	0	0	0	0	0	1408
17	0	0	0	0	0	0	0	13	35	46	51	53	53	51	45	35	18	0	0	0	0	0	0	0	400
18	0	0	0	0	0	0	0	8	68	160	156	221	109	65	45	28	9	0	0	0	0	0	0	0	869
19	0	0	0	0	0	0	0	14	61	71	89	94	142	234	205	114	46	3	0	0	0	0	0	0	1073
20	0	0	0	0	0	0	0	6	30	77	198	177	218	149	132	68	42	1	0	0	0	0	0	0	1098
21	0	0	0	0	0	0	0	15	37	48	53	57	58	57	52	43	23	1	0	0	0	0	0	0	443
22	0	0	0	0	0	0	0	25	121	183	197	130	261	250	204	125	47	3	0	0	0	0	0	0	1546
23	0	0	0	0	0	0	0	10	36	58	75	83	62	45	54	33	6	0	0	0	0	0	0	0	463
24	0	0	0	0	0	0	0	5	25	44	70	76	60	49	43	30	8	0	0	0	0	0	0	0	410
25	0	0	0	0	0	0	0	3	11	26	53	52	56	77	102	37	9	0	0	0	0	0	0	0	427
26	0	0	0	0	0	0	0	20	51 ?	? ?	121 ?	? ?	? ?	297 ?	? ?	88 ?	50	3	0	0	0	0	0	0	631 ?
27	0	0	0	0	0	0	0	18	36 ?	56 ?	? ?	? ?	? ?	? ?	? ?	20 ?	2	0	0	0	0	0	0	0	131 ?
28	0	0	0	0	0	0	0	19	33 ?	49 ?	? ?	? ?	324 ?	305 ?	? ?	53 ?	20 ?	1	0	0	0	0	0	0	804 ?
29	0	0	0	0	0	0	0	19	39 ?	? ?	? ?	? ?	? ?	? ?	? ?	16 ?	1	0	0	0	0	0	0	0	75 ?
30	0	0	0	0	0	0	0	10	40	34	75	110	91	47	45	20	5	1	0	0	0	0	0	0	478
31	0	0	0	0	0	0	0	15	116 ?	? ?	? ?	? ?	? ?	? ?	? ?	25 ?	3	0	0	0	0	0	0	0	159 ?
Avg	0	0	0	0	0	0	0	13	50	77	97	107	129	126	91	57	21	1	0	0	0	0	0	0	682
S/D	0	0	0	0	0	0	0	7	28	49	55	67	83	84	55	29	13	1	0	0	0	0	0	0	383
S/A	0	0	0	0	0	0	0	0.5	0.56	0.63	0.56	0.63	0.65	0.66	0.6	0.5	0.59	1.5	0	0	0	0	0	0	0.56
Min	0	0	0	0	0	0	0	1	11	26	43	44	42	31	20	5	0	0	0	0	0	0	0	0	75
Max	0	0	0	0	0	0	0	31	121	190	213	273	324	305	205	125	50	3	0	0	0	0	0	0	1546

Daylight Data Recovery: 0% missing; 13% exceed the 15% QC threshold -- 3720 total daylight 5-minute measurements.

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

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

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

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

Dry Bulb Temperature (Roof)
Hourly and Daily Averages
Degrees Celsius
Elizabeth City State Univ. - January 2000

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	7	7	7	7	7	7	7	8	9	12	14	17	18	18	18	17	16	15	14	13	12	11	11	10	12
2	10	10	9	9	9	8	9	8	10	14	16	18	19	20	20	20	18	17	16	15	15	15	14	14	14
3	13	13	14	14	14	14	13	13	15	17	18	20	21	22	22	22	21	19	19	18	17	17	17	17	17
4	17	17	17	17	17	17	17	17	18	19	20	22	22	23	23	22	21	20	20	19	20	14	14	12	19
5	12	12	12	11	9	8	7	6	6	7	7	8	8	9	9	9	8	7	6	5	5	4	4	4	8
6	3	3	3	2	2	2	2	2	4	7	9	10	11	11	11	11	11	10	10	9	9	9	9	9	7
7	9	8	8	7	7	7	7	8	8	8	8	8	8	10	12	13	12	11	10	8	7	6	6	5	8
8	5	5	5	4	3	3	3	3	4	7	8	9	10	11	10	10	9	8	8	8	8	8	7	8	7
9	8	8	8	8	8	8	8	8	8	9	10	10	11	12	12	12	12	10	10	10	10	10	11	11	10
10	12	12	12	13	13	13	12	13	13	14	16	16	17	18	18	18	18	17	16	16	16	15	15	15	15
11	14	12	12	11	11	11	11	11	12	14	15	16	17	19	20	21	20	18	16	15	14	13	12	10	14
12	9	8	8	7	7	6	5	4	7	9	12	12	13	13	13	13	12	11	10	9	9	8	8	8	9
13	8	8	9	10	11	11	12	12	13	15	15	15	16	17	19	20	19	18	14	11	8	7	5	4	12
14	3	2	1	0	-0	-1	-1	-2	-1	-1	-0	0	1	1	2	1	0	-1	-1	-1	-1	-2	-2	-2	-0
15	-2	-3	-3	-3	-3	-3	-4	-6	-3	-0	1	2	2	3	3	3	3	2	1	1	2	2	3	3	0
16	4	4	4	4	5	5	5	6	6	7	8	10	12	14	15	14	14	14	13	13	13	12	10	8	9
17	7	5	3	2	1	-0	-1	-2	-2	-1	-1	-1	-0	-0	0	0	-0	-1	-2	-2	-3	-3	-3	-4	-0
18	-4	-4	-4	-4	-4	-4	-4	-5	-4	-3	-3	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-5	-5	-4
19	-5	-6	-6	-5	-5	-5	-5	-4	-3	-1	1	2	4	4	5	4	4	3	2	1	1	1	1	1	-0
20	1	2	0	-0	-0	-0	0	1	2	2	2	3	4	6	6	6	6	5	4	3	2	1	1	0	2
21	-0	-1	-2	-2	-3	-3	-4	-4	-3	-3	-2	-1	-1	-0	0	1	0	-1	-2	-2	-3	-3	-4	-4	-2
22	-5	-5	-6	-6	-6	-7	-7	-6	-5	-4	-2	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-1	-1	-1	-3
23	-1	-2	-2	-2	-1	-1	-1	-1	0	1	1	1	2	2	3	3	4	3	3	2	2	2	2	2	1
24	2	1	1	1	1	1	1	1	1	2	1	2	2	1	1	2	3	3	3	3	4	4	4	4	2
25	4	3	2	2	2	1	1	1	0	-0	-0	-1	-1	-2	-2	-1	-1	-0	-0	-0	-0	-0	-0	0	0
26	-0	-1	-2	-2	-2	-3	-3	-3	-2	-1	-1	-1	-1	-1	-0	0	-0	-1	-2	-2	-3	-3	-3	-4	-2
27	-3	-3	-5	-5	-6	-6	-7	-7	-5	-3	-3	-2	-1	-1	-1	-1	-1	-2	-3	-4	-4	-4	-5	-6	-4
28	-6	-7	-8	-8	-9	-9	-9	-9	-6	-4	-3	-3	-3	-1	-0	1	1	-0	-1	-2	-3	-4	-3	-4	-4
29	-3	-3	-4	-5	-5	-5	-6	-6	-4	-2	-0	1	1	2	3	3	2	1	-0	-1	-2	-2	-2	-2	-2
30	-2	-2	-1	-1	-1	-1	-0	-0	0	1	2	4	6	8	9	10	10	11	10	7	6	3	1	1	3
31	0	0	0	0	0	0	0	0	1	2	3	4	5	5	5	5	4	2	1	1	0	-0	-1	-1	2
Avg	4	3	3	3	3	2	2	2	3	5	6	6	7	8	8	8	8	7	6	5	5	4	4	4	5
SD	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	8	7	7	7	7	7	6	6	7
S/A	1.71	1.88	2.13	2.34	2.51	2.77	3.04	3.06	2.07	1.49	1.29	1.16	1.08	1.02	0.98	0.96	0.98	1.08	1.19	1.29	1.38	1.47	1.59	1.74	1.38
Min	-6	-7	-8	-8	-9	-9	-9	-9	-6	-4	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-5	-6	-4
Max	17	17	17	17	17	17	17	17	18	19	20	22	22	23	23	22	21	20	20	19	20	17	17	17	19

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: 6/1/1995

**Relative Humidity
Hourly and Daily Averages
Percent
Elizabeth City State Univ. - January 2000**

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	?	?	?	?	?	?	?	100	?	98	88	77	55	39	51	57	64	68	72	74	75	80	85	90	94	53 ?	
2	96	98	100	?	?	?	?	?	?	83	69	70	56	53	54	55	60	68	75	81	84	88	92	95	95	57 ?	
3	97	98	97	97	98	98	100	?	?	99	94	87	79	73	68	66	68	74	84	87	92	95	98	99	84	84	
4	100	?	100	99	97	94	95	98	97	98	97	91	85	79	75	74	73	74	84	89	88	98	100	?	99	?	90
5	?	?	93	90	80	79	79	78	70	56	47	44	41	41	40	42	45	55	61	65	68	72	72	75	58	58	
6	75	76	75	76	78	80	81	84	83	76	76	70	67	68	69	73	76	82	85	90	95	94	94	93	80	80	
7	91	94	95	97	98	99	98	95	95	96	98	97	92	78	65	54	52	60	63	65	70	70	67	69	82	82	
8	71	74	77	79	80	82	81	81	76	66	61	59	54	50	49	53	64	71	71	77	80	84	86	83	71	71	
9	79	86	93	91	91	90	91	90	90	88	82	80	81	78	78	83	90	97	99	100	?	?	?	?	?	73 ?	
10	?	?	?	?	?	?	?	?	?	?	?	?	?	?	91	86	85	82	84	85	80	80	80	78	66	41 ?	
11	63	69	67	68	67	68	65	61	55	49	45	42	40	36	31	28	25	28	34	31	30	29	29	31	45	45	
12	31	34	35	36	37	38	45	48	42	40	32	29	26	25	32	29	27	34	45	60	59	54	58	65	40	40	
13	75	79	81	83	78	76	74	74	69	63	66	72	72	70	62	53	49	55	34	42	45	48	50	63	63	63	
14	53	45	45	50	51	49	48	46	40	37	36	32	30	29	28	29	31	36	41	41	41	43	47	50	41	41	
15	48	51	50	54	56	58	64	73	64	56	53	45	41	38	41	39	35	40	47	56	61	58	58	63	52	52	
16	59	63	64	63	63	60	55	52	48	46	40	38	38	40	44	48	52	55	56	59	63	55	53	53	53	53	
17	34	34	32	36	36	39	40	37	35	32	31	31	30	27	27	23	22	25	27	27	30	26	27	27	31	31	
18	29	32	34	35	36	38	53	50	41	36	39	37	36	35	51	66	85	94	90	89	86	86	88	90	57	57	
19	92	93	93	91	91	93	95	95	94	84	74	70	55	44	42	45	49	54	60	64	66	72	73	75	74	74	
20	74	76	91	?	?	?	?	?	?	?	?	98	?	91	78	68	62	57	52	42	43	43	40	40	44	42 ?	
21	47	49	50	48	47	45	44	43	38	33	32	30	29	31	31	30	28	31	34	33	34	36	38	38	38	38	
22	38	42	46	52	55	57	56	59	55	42	35	32	31	31	32	33	35	43	46	46	49	49	53	56	45	45	
23	76	93	99	?	100	?	100	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	20 ?	
24	?	?	?	?	?	?	100	?	99	98	99	99	98	99	?	?	100	98	99	?	?	?	?	?	?	41 ?	
25	?	?	?	?	?	100	?	99	97	98	99	99	?	?	?	?	?	99	97	96	85	77	74	74	72	53 ?	
26	72	71	73	78	78	79	81	81	75	65	61	58	58	58	58	57	58	61	64	66	68	72	72	71	68	68	
27	67	62	73	75	76	75	74	73	68	57	49	48	42	40	39	39	39	44	47	53	53	56	60	57	57	57	
28	62	66	70	75	78	77	76	71	57	49	43	39	45	40	40	34	35	41	41	44	48	57	53	55	54	54	
29	53	55	60	64	66	69	73	76	68	58	53	50	49	49	49	48	51	61	70	76	78	78	80	82	63	63	
30	82	81	85	96	98	99	99	100	?	?	?	100	?	99	98	?	94	97	99	100	?	?	?	?	?	59 ?	
31	?	?	?	?	?	?	100	?	100	97	90	79	67	61	59	56	55	59	68	72	75	81	82	85	90	57 ?	
Avg	67	69	72	72	72	73	76	76	71	66	62	59	57	53	52	54	57	62	62	64	64	66	67	68	56	56	
S D	21	21	22	21	20	20	20	20	22	22	22	23	23	20	18	20	23	22	21	20	19	20	21	20	16	16	
S/A	0.31	0.31	0.3	0.29	0.28	0.28	0.26	0.26	0.3	0.34	0.35	0.38	0.41	0.38	0.34	0.38	0.4	0.36	0.33	0.32	0.3	0.31	0.31	0.3	0.29	0.29	
Min	29	32	32	35	36	38	40	37	35	32	31	29	26	25	27	23	22	25	27	27	30	26	27	27	20	20	
Max	100	100	100	100	100	100	100	100	99	99	99	100	99	98	94	100	99	100	99	100	95	98	100	99	90	90	

Data Recovery: 0% missing; 15% 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 Univ. - January 2000

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

Avg	2	2	2	2	1	1	1	1	3	5	7	8	9	9	9	9	8	7	5	5	4	3	3	2	5
S/D	7	7	7	7	7	7	7	7	7	6	7	7	7	8	8	8	8	7	7	7	7	7	7	7	7
S/A	2.76	3.06	3.55	4.12	4.67	5.57	6.65	6.06	2.4	1.31	0.99	0.86	0.82	0.82	0.83	0.84	0.9	1.11	1.39	1.62	1.85	2.13	2.53	2.91	1.46
Min	-9	-10	-10	-11	-11	-12	-12	-11	-7	-4	-2	-1	-1	-1	-2	-3	-3	-4	-5	-6	-6	-7	-8	-8	-5
Max	17	16	16	16	16	16	16	17	17	19	21	22	24	24	24	24	23	21	20	19	19	16	17	17	19

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: 6/1/1995

Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Univ. - January 2000

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	2	2	1	1	1	1	1	1	2	2	3	2	2	2	1	1	2	1	1	1	1	1	1
2	1	1	0	0	1	1	1	1	1	2	2	4	4	4	3	2	2	2	2	2	2	3	3	2	2
3	2	2	2	2	2	2	2	2	2	2	3	4	5	4	3	3	2	2	3	3	3	3	3	4	3
4	3	3	3	4	3	4	3	4	4	5	6	6	6	7	7	6	6	6	6	7	6	7	5	3	5
5	2	2	3	3	3	3	3	3	4	5	5	4	4	4	3	3	3	2	2	2	1	1	1	1	3
6	1	2	2	2	2	2	2	1	1	2	3	2	1	2	2	2	1	2	2	1	1	1	0	0	2
7	1	1	1	2	1	1	1	1	2	3	2	3	2	2	2	3	2	1	1	0	0	1	1	1	1
8	1	1	1	1	0	1	0	1	1	2	3	2	3	2	2	2	1	2	2	1	2	0	0	2	1
9	1	1	1	1	1	0	0	0	0	0	0	0	2	1	1	1	1	1	2	3	2	3	2	1	1
10	2	1	1	1	1	0	1	1	1	1	3	4	6	7	7	7	7	6	4	5	5	4	4	5	3
11	3	3	3	3	2	4	4	4	4	5	6	6	7	8	8	7	7	4	3	2	2	3	2	4	4
12	2	2	2	2	1	1	0	1	1	0	1	1	1	1	3	3	2	1	1	1	2	1	1	2	1
13	2	2	2	3	4	5	4	5	5	6	6	5	5	5	7	7	6	4	7	7	6	5	5	4	5
14	4	6	5	5	5	5	5	4	5	5	6	6	5	5	4	4	2	1	1	1	1	1	1	2	4
15	2	2	3	2	2	2	1	0	1	2	2	1	2	2	2	2	2	1	1	0	1	1	2	2	2
16	3	3	3	3	3	4	4	4	5	5	5	6	6	7	7	6	4	4	3	4	4	2	5	5	4
17	5	3	6	6	5	4	4	5	5	6	5	5	4	5	4	4	4	3	3	3	2	3	3	4	4
18	3	3	3	2	2	2	2	2	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1
19	1	1	1	1	1	2	1	2	2	1	2	3	3	3	2	1	1	1	1	1	1	2	2	1	2
20	2	3	3	2	3	3	3	2	1	1	2	4	6	6	6	6	5	5	6	5	5	5	6	5	4
21	5	3	4	3	3	3	3	4	4	4	4	4	5	6	5	5	5	3	2	2	2	2	2	1	4
22	1	1	1	1	0	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	2	2	2	2	1
23	2	1	0	1	1	1	1	1	1	0	1	1	1	1	2	2	2	2	3	3	3	4	3	3	2
24	3	3	3	3	3	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	8	9	9	9	5
25	10	10	11	11	10	9	10	10	8	6	5	4	4	5	6	6	6	5	5	4	3	2	2	2	6
26	2	0	0	0	0	1	0	0	1	3	4	3	3	3	3	3	3	2	1	1	1	1	1	2	2
27	2	2	2	1	1	2	2	1	2	2	3	4	4	4	4	4	3	2	1	1	2	2	1	1	2
28	1	0	1	1	1	1	1	1	1	1	1	3	3	3	4	3	2	1	1	0	0	0	0	1	1
29	3	3	1	1	2	1	1	1	1	3	2	2	2	2	2	2	2	1	1	2	1	0	0	0	1
30	0	1	2	1	2	2	2	2	3	3	2	3	3	4	6	6	4	4	1	2	1	4	3	3	3
31	3	3	3	3	3	3	3	3	3	4	5	6	5	6	5	4	4	3	2	2	1	1	0	1	3
Avg	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	3	3	3	2	2	2	2	2	3
S/D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
S/A	0.75	0.81	0.88	0.88	0.83	0.74	0.87	0.86	0.75	0.62	0.5	0.47	0.48	0.52	0.55	0.55	0.58	0.62	0.73	0.75	0.75	0.85	0.83	0.74	0.53
Min	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1
Max	10	10	11	11	10	9	10	10	8	6	6	6	7	8	8	7	7	6	7	7	8	9	9	9	6

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

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

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

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

Instrument: NRG
Calibration Constant: 0.76 m/s/mV
Serial Number: 0 WS
Calibration Date: 6/1/1995

**Wind Direction
Hourly and Daily Averages
Degrees
Elizabeth City State Univ. - January 2000**

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	139	129	125	134	135	141	146	158	133	110	121	151	172	171	107	128	118	139	130	143	150	150	149	178	141
2	199	187	168	190	207	218	199	196	232	216	209	248	246	238	215	204	186	183	178	190	199	214	212	213	214
3	220	231	230	217	212	221	213	212	217	222	239	231	243	206	205	214	204	187	186	191	181	190	188	192	211
4	211	219	212	212	203	229	209	209	204	212	213	201	202	215	214	200	211	201	208	201	241	301	276	296	218
5	280	289	302	302	324	317	316	322	330	358	354	347	357	9	13	20	23	58	49	52	63	60	51	10	350
6	7	6	5	4	15	28	27	39	36	70	90	85	63	108	85	78	75	90	89	101	99	341	18	353	56
7	85	324	308	128	140	325	353	321	312	316	289	271	294	306	326	306	318	307	341	352	269	287	302	327	309
8	5	40	51	8	9	2	15	41	37	42	75	110	120	105	107	117	136	123	126	127	117	135	154	163	95
9	238	228	209	197	225	342	299	86	110	302	353	238	130	269	321	306	42	132	157	168	187	204	196	195	197
10	209	203	179	184	167	171	145	139	126	137	219	221	197	226	248	253	255	247	247	245	242	231	251	255	233
11	266	253	258	249	242	248	246	234	244	239	250	231	222	234	245	261	297	311	350	301	309	300	311	309	258
12	313	277	305	280	341	338	223	281	272	279	11	327	265	220	188	199	179	168	178	175	180	162	152	157	227
13	153	158	193	227	250	248	222	234	239	249	259	258	257	263	254	266	266	270	342	347	342	357	5	353	273
14	329	353	340	340	343	342	346	351	340	357	354	0	8	342	354	350	5	347	329	329	328	345	312	340	348
15	350	344	358	15	2	13	345	303	325	51	75	130	181	247	222	189	215	180	165	195	203	210	212	213	265
16	205	214	219	207	217	227	226	248	251	256	263	260	264	277	285	281	271	268	274	277	284	303	33	14	264
17	354	16	358	343	352	339	352	350	340	5	10	355	347	352	348	340	357	347	340	334	8	346	354	346	352
18	10	7	23	8	315	338	342	324	335	311	275	273	267	250	92	233	15	27	10	346	342	329	318	311	344
19	322	325	336	337	313	312	303	288	302	321	341	296	284	2	333	321	309	265	213	191	182	165	166	180	304
20	181	189	198	164	129	138	122	104	74	10	290	315	319	290	312	321	322	330	340	0	338	337	359	313	325
21	339	325	309	315	314	316	299	296	320	320	323	307	303	290	305	288	329	310	320	313	296	327	334	338	312
22	338	319	341	343	340	343	345	352	18	22	27	353	325	273	183	248	190	173	154	151	145	127	135	171	37
23	156	188	75	31	48	54	81	104	95	6	16	15	29	23	47	63	44	39	39	19	26	17	16	18	39
24	28	22	23	25	3	18	22	23	30	20	27	37	23	32	42	24	41	38	31	28	40	40	53	45	33
25	53	89	115	123	131	117	105	106	102	103	91	74	75	59	56	64	52	39	37	48	41	28	37	51	86
26	59	61	47	46	66	68	74	65	105	120	123	126	85	112	116	63	69	76	56	45	57	59	52	65	90
27	41	73	60	63	76	70	65	49	58	79	82	61	45	70	56	53	78	68	53	31	30	56	68	53	61
28	66	67	41	53	29	32	45	80	110	121	95	40	15	48	38	47	46	63	68	29	17	30	0	59	49
29	101	108	93	94	117	104	70	73	111	130	146	139	152	142	138	153	172	190	191	186	193	197	155	147	137
30	132	80	125	114	132	154	157	164	183	187	191	198	229	235	247	254	265	278	40	35	23	48	44	26	214
31	59	35	51	59	44	38	36	28	18	20	50	58	40	26	29	58	61	41	46	44	19	36	360	346	40
Avg	9	21	359	10	349	331	5	331	321	351	344	302	286	284	299	295	329	330	6	351	332	349	8	352	317

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: 6/1/1995

**Peak Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Univ. - January 2000**

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	3	3	1	1	1	1	1	1	2	3	5	4	3	3	2	1	2	1	2	1	2	1	2	
2	1	1	0	1	1	2	1	1	2	3	3	6	6	6	4	3	3	2	2	3	4	4	4	4	3	
3	3	4	4	4	3	4	3	3	3	4	5	7	7	6	5	5	4	3	4	5	4	5	5	6	4	
4	6	5	6	6	6	7	5	6	6	8	9	9	10	11	11	10	9	10	10	10	9	10	8	6	8	
5	3	3	6	5	6	5	5	5	7	8	8	8	8	6	5	5	4	3	3	2	2	2	2	2	5	
6	2	2	2	2	3	2	2	2	2	4	4	4	2	3	3	3	2	2	2	2	2	1	1	1	2	
7	1	3	2	2	2	3	2	2	3	5	4	4	4	4	5	5	3	2	1	1	1	1	1	2	1	3
8	2	2	1	1	1	1	1	1	2	3	4	4	4	3	3	2	2	3	2	2	2	0	1	3	2	
9	2	2	2	1	2	1	1	0	1	0	1	1	2	2	2	2	1	1	3	4	4	4	4	3	3	2
10	3	2	2	1	2	1	2	1	1	2	6	7	9	10	11	11	10	8	6	8	7	7	6	6	5	
11	5	5	5	4	4	5	6	5	7	7	9	9	10	11	13	11	11	7	4	4	4	4	5	3	7	
12	3	2	3	2	2	1	1	1	1	1	2	3	2	3	4	4	3	2	2	2	2	2	2	3	2	
13	3	3	4	5	6	7	6	7	8	10	9	8	8	8	10	11	9	6	12	12	11	9	8	7	8	
14	7	10	8	8	9	9	9	7	8	8	8	10	9	8	8	7	6	4	2	2	2	2	2	3	7	
15	4	4	5	4	3	3	2	1	2	3	3	2	3	3	4	4	3	2	2	1	2	2	4	4	3	
16	5	4	5	5	5	6	5	7	7	8	7	8	9	10	10	9	7	5	4	5	6	4	8	8	7	
17	8	6	9	9	9	7	8	8	9	10	8	7	8	8	8	8	8	6	5	5	4	5	5	5	7	
18	5	5	4	4	4	3	3	3	2	3	3	2	2	2	2	1	3	3	3	2	2	2	2	2	3	
19	2	2	2	3	3	3	2	3	3	3	3	5	6	6	4	3	2	1	1	1	2	2	2	2	3	
20	3	4	5	3	4	4	4	4	2	3	4	8	11	11	12	10	9	8	10	9	9	9	10	9	7	
21	9	6	7	6	6	6	6	6	7	7	7	7	9	10	9	9	8	6	5	4	3	3	3	2	6	
22	2	2	2	1	1	2	2	3	3	3	4	3	2	2	2	2	2	2	2	2	2	2	3	3	2	
23	4	1	1	1	2	2	2	2	1	1	2	2	2	2	3	3	3	3	5	4	4	6	5	5	3	
24	5	5	4	5	5	5	5	5	6	6	7	7	7	8	9	10	10	10	10	11	12	13	15	14	8	
25	15	16	17	16	16	14	16	15	13	11	10	7	8	10	9	10	11	9	8	7	5	3	4	4	11	
26	4	1	1	0	1	2	1	0	3	6	7	5	5	5	6	6	5	4	2	3	2	3	3	4	3	
27	3	4	3	3	3	3	3	3	3	5	6	7	7	7	7	7	6	4	2	2	3	4	2	2	4	
28	2	1	1	1	1	2	2	2	2	2	3	4	4	5	6	6	4	3	2	1	1	0	0	2	2	
29	4	5	2	3	4	2	2	2	2	5	4	4	4	3	3	3	3	2	3	3	2	1	0	0	3	
30	1	2	3	2	4	4	4	4	5	5	3	4	5	6	8	9	6	7	3	4	2	6	5	6	4	
31	6	5	5	5	4	5	5	5	5	7	8	9	9	9	9	7	6	5	4	3	2	2	1	2	5	
Avg	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	5	4	4	4	4	4	4	4	5	
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	2	
S/A	0.7	0.74	0.81	0.81	0.77	0.69	0.81	0.8	0.7	0.57	0.49	0.45	0.46	0.49	0.52	0.51	0.56	0.6	0.72	0.73	0.73	0.8	0.8	0.7	0.51	
Min	1	1	0	0	1	1	1	0	1	0	1	1	2	2	2	1	1	1	1	1	1	0	0	0	2	
Max	15	16	17	16	16	14	16	15	13	11	10	10	11	11	13	11	11	10	12	12	12	13	15	14	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: 6/1/1995

Station Pressure
Hourly and Daily Averages
Millibars
Elizabeth City State Univ. - January 2000

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	1021	1021	1021	1021	1021	1022	1022	1023	1024	1024	1024	1024	1023	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023	1023	1023	1022
2	1022	1022	1022	1022	1022	1023	1023	1023	1024	1024	1023	1023	1022	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1022
3	1020	1020	1020	1020	1020	1020	1020	1021	1021	1022	1022	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1020
4	1016	1016	1016	1015	1015	1015	1015	1015	1015	1014	1013	1011	1010	1008	1007	1006	1006	1005	1005	1004	1005	1006	1006	1007	1011	
5	1007	1008	1009	1010	1012	1013	1015	1017	1019	1021	1022	1022	1022	1023	1023	1024	1025	1026	1027	1028	1029	1029	1029	1030	1021	
6	1030	1030	1030	1030	1031	1031	1031	1031	1032	1032	1032	1031	1030	1030	1029	1029	1029	1028	1028	1028	1027	1027	1027	1026	1030	
7	1026	1025	1025	1024	1023	1023	1023	1024	1024	1024	1024	1023	1022	1021	1021	1021	1022	1023	1023	1024	1024	1025	1025	1025	1023	
8	1025	1025	1025	1025	1026	1026	1027	1026	1027	1028	1027	1026	1025	1025	1024	1024	1024	1024	1024	1023	1023	1023	1023	1021	1025	
9	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1018	1018	1016	1015	1016	1016	1015	1015	1014	1014	1014	1014	1014	1013	1017	
10	1012	1012	1011	1011	1009	1009	1008	1008	1008	1007	1006	1005	1001	999	1000	1001	1002	1003	1004	1006	1007	1008	1008	1009	1006	
11	1009	1010	1010	1010	1009	1010	1010	1010	1010	1009	1008	1006	1005	1004	1003	1004	1006	1008	1010	1011	1012	1014	1015	1015	1009	
12	1016	1017	1018	1019	1019	1020	1020	1022	1023	1023	1023	1023	1022	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1018	1020	
13	1016	1015	1014	1014	1013	1012	1011	1010	1010	1010	1009	1008	1007	1006	1005	1005	1006	1007	1011	1014	1016	1018	1020	1021	1012	
14	1021	1022	1023	1024	1026	1027	1028	1030	1031	1031	1032	1032	1032	1031	1032	1032	1033	1034	1034	1035	1035	1036	1036	1036	1031	
15	1036	1036	1036	1036	1036	1037	1037	1038	1038	1038	1038	1037	1036	1035	1034	1034	1033	1033	1033	1033	1033	1032	1032	1031	1035	
16	1030	1029	1027	1026	1025	1024	1024	1023	1022	1021	1020	1019	1017	1015	1014	1014	1014	1014	1015	1016	1016	1016	1018	1019	1020	
17	1020	1021	1021	1022	1023	1024	1025	1026	1027	1027	1028	1027	1026	1026	1026	1025	1025	1026	1026	1026	1025	1025	1025	1025	1025	
18	1024	1023	1022	1022	1022	1022	1022	1021	1021	1021	1020	1018	1016	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1017	
19	1012	1012	1012	1013	1012	1013	1013	1014	1015	1015	1015	1015	1014	1013	1013	1013	1012	1013	1013	1013	1012	1011	1011	1011	1013	
20	1009	1008	1007	1005	1002	1000	998	997	996	996	995	995	994	994	995	996	997	999	1001	1002	1003	1004	1005	1006	1000	
21	1006	1007	1008	1008	1009	1010	1011	1012	1012	1013	1013	1012	1011	1011	1011	1012	1012	1012	1013	1014	1015	1016	1016	1017	1012	
22	1018	1018	1019	1020	1020	1021	1022	1022	1023	1024	1023	1023	1022	1022	1021	1022	1022	1022	1022	1022	1022	1022	1021	1022	1021	
23	1021	1021	1020	1020	1019	1019	1018	1018	1018	1018	1017	1016	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1016	
24	1013	1013	1013	1013	1013	1013	1013	1013	1013	1014	1014	1013	1012	1011	1011	1009	1008	1007	1006	1005	1003	1001	999	996	1009	
25	993	990	988	987	987	987	987	986	987	987	987	987	987	988	989	991	993	995	996	998	1000	1001	1002	1002	991	
26	1002	1003	1003	1004	1005	1005	1006	1008	1008	1008	1008	1008	1008	1008	1008	1008	1009	1010	1011	1012	1012	1013	1013	1013	1008	
27	1014	1014	1015	1016	1017	1017	1018	1019	1020	1021	1022	1021	1021	1021	1021	1021	1022	1023	1024	1025	1025	1026	1026	1027	1021	
28	1027	1027	1028	1028	1029	1030	1031	1032	1032	1033	1033	1032	1031	1030	1030	1030	1030	1030	1031	1032	1032	1032	1032	1032	1030	
29	1032	1032	1032	1032	1032	1032	1033	1033	1033	1033	1033	1032	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031	1030	1030	1032	
30	1029	1029	1028	1028	1028	1027	1027	1027	1026	1025	1025	1023	1020	1018	1015	1014	1013	1012	1012	1012	1012	1012	1012	1012	1020	
31	1012	1012	1012	1012	1012	1013	1013	1014	1014	1015	1015	1014	1013	1012	1012	1013	1013	1014	1015	1016	1016	1016	1016	1016	1014	
Avg	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	
S/D	9	9	10	10	10	10	10	10	11	11	11	11	11	11	11	10	10	10	10	9	9	9	9	9	9	
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	993	990	988	987	987	987	987	986	987	987	987	987	987	988	989	991	993	995	996	998	1000	999	996	995	991	
Max	1036	1036	1036	1036	1036	1037	1037	1038	1038	1038	1038	1037	1036	1035	1034	1034	1033	1034	1034	1035	1035	1036	1036	1036	1035	

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:	6/1/1995