

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - January 2001

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	11	86	140	320	456	329	366	313	150	35	0	0	0	0	0	0	0	2207
2	0	0	0	0	0	0	0	22	143	304	435	508	515	459	351	197	46	0	0	0	0	0	0	0	2981
3	0	0	0	0	0	0	0	25	156	318	448	519	529	472	361	204	48	0	0	0	0	0	0	0	3081
4	0	0	0	0	0	0	0	16	142	314	436	500	509	460	348	191	44	0	0	0	0	0	0	0	2960
5	0	0	0	0	0	0	0	9	54	126	186	224	192	115	119	55	29	0	0	0	0	0	0	0	1110
6	0	0	0	0	0	0	0	22	148	310	443	512	518	450	352	205	51	0	0	0	0	0	0	0	3011
7	0	0	0	0	0	0	0	28	154	309	407	373	471	412	323	139	35	0	0	0	0	0	0	0	2651
8	0	0	0	0	0	0	0	5	21	52	58	69	70	89	65	22	5	0	0	0	0	0	0	0	457
9	0	0	0	0	0	0	0	10	86	169	231	378	521	473	333	119	55	0	0	0	0	0	0	0	2374
10	0	0	0	0	0	0	0	26	160	327	456	529	538	484	378	220	60	0	0	0	0	0	0	0	3178
11	0	0	0	0	0	0	0	26	159	324	454	527	538	487	381	216	36	0	0	0	0	0	0	0	3147
12	0	0	0	0	0	0	0	8	38	86	202	227	219	492	205	125	23	0	0	0	0	0	0	0	1625
13	0	0	0	0	0	0	0	22	140	313	442	505	512	473	352	215	63	1	0	0	0	0	0	0	3038
14	0	0	0	0	0	0	0	28	105	141	250	289	250	142	70	51	10	0	0	0	0	0	0	0	1337
15	0	0	0	0	0	0	0	9	67	136	179	239	360	440	269	112	41	0	0	0	0	0	0	0	1854
16	0	0	0	0	0	0	0	14	120	254	411	419	404	437	240	110	41	1	0	0	0	0	0	0	2451
17	0	0	0	0	0	0	0	13	57	253	448	460	511	401	269	107	29	1	0	0	0	0	0	0	2548
18	0	0	0	0	0	0	0	6	48	55	44	114	124	104	67	21	7	0	0	0	0	0	0	0	590
19	0	0	0	0	0	0	0	9	48	105	249	338	357	433	277	130	39	1	0	0	0	0	0	0	1985
20	0	0	0	0	0	0	0	6	17	18	22	32	42	40	45	47	11	1	0	0	0	0	0	0	280
21	0	0	0	0	0	0	0	29	172	342	479	557	570	535	426	267	88	1	0	0	0	0	0	0	3466
22	0	0	0	0	0	0	0	21	96	321	509	556	580	526	417	261	91	2	0	0	0	0	0	0	3383
23	0	0	0	0	0	0	0	17	108	293	465	525	511	422	268	143	54	5	0	0	0	0	0	0	2811
24	0	0	0	0	0	0	0	34	121	292	487	498	394	365	374	256	66	2	0	0	0	0	0	0	2888
25	0	0	0	0	0	0	0	10	58	191	257	380	456	509	412	162	42	3	0	0	0	0	0	0	2479
26	0	0	0	0	0	0	0	37	192	366	503	581	568	540	437	278	103	3	0	0	0	0	0	0	3607
27	0	0	0	0	0	0	0	32	146	247	405	561	541	500	450	278	106	4	0	0	0	0	0	0	3272
28	0	0	0	0	0	0	0	39	196	370	510	587	605	567	445	293	85	3	0	0	0	0	0	0	3701
29	0	0	0	0	0	0	0	14	51	134	439	540	406	312	254	225	84	5	0	0	0	0	0	0	2465
30	0	0	0	0	0	0	0	3	58	42	71	162	88	258	412	277	95	4	0	0	0	0	0	0	1469
Avg	0	0	0	0	0	0	0	18	105	222	342	406	408	392	301	169	51	1	0	0	0	0	0	0	2414
S D	0	0	0	0	0	0	0	10	51	109	153	161	165	147	120	80	28	2	0	0	0	0	0	0	929
S/A	0	0	0	0	0	0	0	0.55	0.49	0.49	0.45	0.4	0.41	0.37	0.4	0.48	0.55	1.3	0	0	0	0	0	0	0.38
Min	0	0	0	0	0	0	0	3	17	18	22	32	42	40	45	21	5	0	0	0	0	0	0	0	280
Max	0	0	0	0	0	0	0	39	196	370	510	587	605	567	450	293	106	5	0	0	0	0	0	0	3701

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3595 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 2001**

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	0	13	0	341	674	122	358	472	134	18	0	0	0	0	0	0	0	2133
2	0	0	0	0	0	0	0	108	541	734	836	887	884	853	800	696	368	0	0	0	0	0	0	0	6708
3	0	0	0	0	0	0	0	211	671	828	898	928	932	907	857	744	412	0	0	0	0	0	0	0	7390
4	0	0	0	0	0	0	0	56	543	793	851	888	897	871	798	661	343	0	0	0	0	0	0	0	6703
5	0	0	0	0	0	0	0	15	2	3	3	29	6	1	2	0	16	0	0	0	0	0	0	0	79
6	0	0	0	0	0	0	0	150	589	779	867	897	886	801	784	713	401	0	0	0	0	0	0	0	6868
7	0	0	0	0	0	0	0	183	612	701	694	230	461	554	555	99	3	0	0	0	0	0	0	0	4093
8	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	8
9	0	0	0	0	0	0	0	0	4	13	27	114	677	841	611	220	292	2	0	0	0	0	0	0	2802
10	0	0	0	0	0	0	0	221	676	831	894	922	925	904	853	745	453	6	0	0	0	0	0	0	7428
11	0	0	0	0	0	0	0	213	653	812	879	904	908	887	843	685	96	0	0	0	0	0	0	0	6879
12	0	0	0	0	0	0	0	1	1	1	5	3	9	473	24	16	1	0	0	0	0	0	0	0	534
13	0	0	0	0	0	0	0	5	224	719	810	801	802	743	417	637	367	3	0	0	0	0	0	0	5529
14	0	0	0	0	0	0	0	137	77	5	65	72	6	1	1	1	1	0	0	0	0	0	0	0	366
15	0	0	0	0	0	0	0	1	2	3	4	20	141	454	216	31	76	1	0	0	0	0	0	0	950
16	0	0	0	0	0	0	0	5	51	206	549	315	428	509	69	9	0	0	0	0	0	0	0	0	2141
17	0	0	0	0	0	0	0	20	6	399	694	557	620	470	182	5	0	0	0	0	0	0	0	0	2952
18	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	0	1	0	0	0	0	0	0	0	11
19	0	0	0	0	0	0	0	1	2	2	4	100	211	382	177	36	3	0	0	0	0	0	0	0	917
20	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	7
21	0	0	0	0	0	0	0	191	623	786	863	897	898	928	896	808	569	38	0	0	0	0	0	0	7497
22	0	0	0	0	0	0	0	117	137	245	882	877	907	882	837	747	527	39	0	0	0	0	0	0	6197
23	0	0	0	0	0	0	0	1	17	405	727	596	436	276	77	7	36	39	0	0	0	0	0	0	2617
24	0	0	0	0	0	0	0	56	96	431	838	522	72	280	539	676	212	1	0	0	0	0	0	0	3723
25	0	0	0	0	0	0	0	0	0	59	17	50	286	596	641	232	45	5	0	0	0	0	0	0	1933
26	0	0	0	0	0	0	0	289	715	846	886	898	751	870	884	797	584	52	0	0	0	0	0	0	7571
27	0	0	0	0	0	0	0	84	211	171	345	628	649	710	759	706	515	61	0	0	0	0	0	0	4839
28	0	0	0	0	0	0	0	168	615	818	904	929	931	906	856	751	273	0	0	0	0	0	0	0	7151
29	0	0	0	0	0	0	0	7	2	4	433	687	301	81	38	210	188	1	0	0	0	0	0	0	1951
30	0	0	0	0	0	0	0	1	3	1	1	4	1	75	416	518	200	1	0	0	0	0	0	0	1220
Avg	0	0	0	0	0	0	0	75	236	353	477	481	472	521	454	363	200	8	0	0	0	0	0	0	3640
S D	0	0	0	0	0	0	0	88	281	352	384	378	368	338	345	330	203	17	0	0	0	0	0	0	2758
S/A	0	0	0	0	0	0	0	1.18	1.19	1	0.8	0.79	0.78	0.65	0.76	0.91	1.01	2.06	0	0	0	0	0	0	0.76
Min	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	7
Max	0	0	0	0	0	0	0	289	715	846	904	929	932	928	896	808	584	61	0	0	0	0	0	0	7571

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3595 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 2001

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	11	81	135	148	115	263	184	128	110	32	0	0	0	0	0	0	0	1205
2	0	0	0	0	0	0	0	15	44	60	61	59	60	60	53	38	15	0	0	0	0	0	0	0	466
3	0	0	0	0	0	0	0	10	34	44	47	49	48	46	41	33	13	0	0	0	0	0	0	0	366
4	0	0	0	0	0	0	0	11	41	50	55	50	44	47	45	36	14	0	0	0	0	0	0	0	394
5	0	0	0	0	0	0	0	7	52	122	178	201	185	112	116	53	28	0	0	0	0	0	0	0	1055
6	0	0	0	0	0	0	0	11	39	49	51	52	53	63	50	35	14	0	0	0	0	0	0	0	418
7	0	0	0	0	0	0	0	16	42	72	90	244	225	137	100	111	34	0	0	0	0	0	0	0	1071
8	0	0	0	0	0	0	0	5	21	50	57	68	69	87	64	22	5	0	0	0	0	0	0	0	447
9	0	0	0	0	0	0	0	10	81	158	211	284	142	65	83	64	23	0	0	0	0	0	0	0	1122
10	0	0	0	0	0	0	0	11	34	44	47	48	47	45	42	34	15	0	0	0	0	0	0	0	367
11	0	0	0	0	0	0	0	11	38	46	50	52	51	51	45	38	22	0	0	0	0	0	0	0	403
12	0	0	0	0	0	0	0	8	37	83	192	217	209	233	189	116	22	0	0	0	0	0	0	0	1308
13	0	0	0	0	0	0	0	20	81	58	60	72	71	95	168	45	22	1	0	0	0	0	0	0	691
14	0	0	0	0	0	0	0	18	94	136	204	239	238	139	69	50	10	0	0	0	0	0	0	0	1198
15	0	0	0	0	0	0	0	9	65	131	173	224	258	196	170	103	31	1	0	0	0	0	0	0	1361
16	0	0	0	0	0	0	0	14	109	164	137	244	149	164	210	104	40	1	0	0	0	0	0	0	1335
17	0	0	0	0	0	0	0	11	53	90	108	131	143	135	174	99	28	1	0	0	0	0	0	0	972
18	0	0	0	0	0	0	0	5	47	54	43	111	120	101	66	21	7	0	0	0	0	0	0	0	575
19	0	0	0	0	0	0	0	9	47	102	241	266	229	224	197	117	37	1	0	0	0	0	0	0	1469
20	0	0	0	0	0	0	0	6	16	17	21	32	40	38	44	45	11	1	0	0	0	0	0	0	272
21	0	0	0	0	0	0	0	15	42	56	60	61	58	48	42	34	18	1	0	0	0	0	0	0	434
22	0	0	0	0	0	0	0	11	72	213	80	64	62	58	52	41	22	1	0	0	0	0	0	0	676
23	0	0	0	0	0	0	0	15	99	121	92	163	227	244	221	139	49	4	0	0	0	0	0	0	1374
24	0	0	0	0	0	0	0	30	95	106	69	178	329	173	125	49	29	2	0	0	0	0	0	0	1186
25	0	0	0	0	0	0	0	9	55	156	232	329	259	167	117	87	36	3	0	0	0	0	0	0	1451
26	0	0	0	0	0	0	0	12	35	44	54	62	111	61	36	31	20	1	0	0	0	0	0	0	467
27	0	0	0	0	0	0	0	26	96	183	209	182	139	100	103	53	28	2	0	0	0	0	0	0	1121
28	0	0	0	0	0	0	0	27	53	53	48	49	50	65	50	53	34	3	0	0	0	0	0	0	484
29	0	0	0	0	0	0	0	14	48	126	184	125	200	255	228	143	47	4	0	0	0	0	0	0	1376
30	0	0	0	0	0	0	0	3	54	40	68	154	84	197	193	98	58	3	0	0	0	0	0	0	952
Avg	0	0	0	0	0	0	0	13	57	92	109	138	139	120	107	67	25	1	0	0	0	0	0	0	867
S D	0	0	0	0	0	0	0	6	24	50	67	86	85	67	64	37	13	1	0	0	0	0	0	0	404
S/A	0	0	0	0	0	0	0	0.49	0.43	0.54	0.62	0.62	0.61	0.56	0.59	0.55	0.49	1.3	0	0	0	0	0	0	0.47
Min	0	0	0	0	0	0	0	3	16	17	21	32	40	38	36	21	5	0	0	0	0	0	0	0	272
Max	0	0	0	0	0	0	0	30	109	213	241	329	329	255	228	143	58	4	0	0	0	0	0	0	1469

Daylight Data Recovery: 0% missing; 0% exceed the 15% QC threshold -- 3595 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 2001

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	-3	-3	-3	-4	-4	-4	-4	-4	-3	-2	-1	1	2	2	3	3	2	2	1	0	-1	-1	-2	-2	-1
2	-2	-3	-2	-2	-2	-2	-2	-2	-2	-0	1	2	3	3	3	3	2	1	-0	-1	-2	-2	-2	-3	-0
3	-3	-4	-5	-6	-6	-7	-7	-7	-5	-2	-1	0	1	2	2	2	2	0	-1	-1	-2	-2	-2	-2	-2
4	-2	-3	-3	-3	-4	-4	-4	-4	-4	-1	1	3	5	5	6	5	4	2	1	-0	-2	-2	-2	-3	-0
5	-2	-2	-3	-3	-4	-3	-2	-2	-1	1	3	4	6	7	8	8	8	7	6	5	5	4	1	1	2
6	3	2	1	0	-0	-0	-1	-1	0	3	6	8	8	9	9	9	9	7	6	5	4	3	3	2	4
7	1	1	1	1	1	1	1	1	2	3	6	10	11	13	14	14	13	11	10	10	9	8	8	8	7
8	8	8	7	6	6	6	6	7	8	8	7	7	7	8	8	7	7	6	6	6	6	5	4	4	7
9	4	3	2	1	1	1	1	1	2	2	3	4	4	5	4	4	4	2	1	0	-0	-1	-1	-1	2
10	-2	-2	-2	-2	-2	-2	-2	-2	-1	1	4	5	7	8	8	8	8	7	6	5	5	4	4	4	3
11	4	4	4	4	3	3	2	2	3	6	10	13	15	16	17	17	16	14	12	12	11	10	9	9	9
12	8	8	8	7	8	8	7	7	7	7	8	9	9	10	9	8	8	7	7	7	6	6	6	6	8
13	7	8	8	8	7	7	6	6	7	8	10	10	11	11	11	10	9	7	5	4	4	3	4	3	7
14	3	3	3	3	3	3	3	5	6	8	10	13	14	14	13	12	12	12	13	13	14	13	13	13	9
15	14	14	14	14	13	11	10	9	9	9	10	10	12	13	14	15	15	13	12	10	10	10	11	10	12
16	10	10	10	10	10	10	9	8	8	9	9	11	11	12	12	11	9	7	7	6	6	5	5	5	9
17	5	4	4	4	3	3	3	2	3	4	7	9	10	10	10	10	8	7	7	6	5	5	4	5	6
18	5	5	6	6	6	6	6	6	6	7	7	8	9	9	9	8	8	7	6	6	7	7	7	7	7
19	8	7	7	7	7	7	7	7	9	11	13	16	19	21	22	22	21	20	19	19	19	19	13	14	14
20	18	19	19	10	7	7	7	7	7	8	8	7	6	6	6	6	5	5	5	5	5	4	4	4	8
21	3	3	3	2	1	1	-0	-0	0	1	2	3	4	5	5	6	6	4	3	2	1	0	-1	-1	2
22	-1	-0	-0	-1	-2	-1	-1	-1	-0	1	3	4	4	4	4	4	3	1	1	0	-0	-0	0	1	1
23	1	0	0	0	0	0	0	0	1	2	3	5	5	6	5	4	3	3	2	2	2	1	1	1	2
24	0	0	0	1	0	0	-1	-2	0	3	6	8	9	10	9	10	9	7	5	5	5	5	5	5	4
25	5	4	4	4	5	5	5	5	4	4	5	5	5	5	5	5	4	4	3	2	1	1	0	-0	4
26	-1	-1	-2	-2	-3	-4	-4	-4	-2	0	2	3	4	5	6	6	5	3	2	2	2	2	3	3	1
27	3	3	3	3	3	3	3	3	4	6	9	10	12	12	13	13	13	11	10	8	6	6	5	4	7
28	3	2	1	1	0	-0	-1	-2	-0	3	4	6	7	7	8	8	8	7	6	6	5	3	3	3	4
29	3	3	3	3	2	1	2	3	4	6	8	10	11	10	11	11	9	7	6	6	6	6	7	7	6
30	9	10	11	12	13	14	15	15	15	16	16	17	17	18	20	20	19	17	17	17	17	16	15	14	15
Avg	4	3	3	3	2	2	2	2	3	4	6	7	8	9	9	9	8	7	6	6	5	5	4	4	5
S D	5	5	5	5	5	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4
S/A	1.38	1.5	1.63	1.75	2.01	2.15	2.35	2.31	1.53	0.93	0.67	0.57	0.53	0.52	0.52	0.55	0.58	0.68	0.78	0.87	0.98	1.07	1.08	1.16	0.83
Min	-3	-4	-5	-6	-6	-7	-7	-7	-5	-2	-1	0	1	2	2	2	2	0	-1	-1	-2	-2	-2	-3	-2
Max	18	19	19	14	13	14	15	15	15	16	16	17	19	21	22	22	21	20	19	19	19	19	15	14	15

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: 6/1/1995

**Relative Humidity
Hourly and Daily Averages
Percent
Elizabeth City State Univ. - January 2001**

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	62	62	62	64	65	67	69	70	68	67	62	51	47	42	40	41	44	47	51	56	65	63	68	69	58		
2	71	72	70	72	74	76	78	76	74	66	56	47	37	36	36	35	37	42	45	48	50	51	51	55	56		
3	57	59	66	71	75	78	79	80	71	61	51	44	41	37	36	35	36	45	59	58	60	60	59	60	57		
4	59	62	65	67	70	71	73	72	69	59	51	43	37	36	34	39	45	54	65	71	76	80	80	84	61		
5	84	94	98	100	?	?	99	?	98	97	93	78	68	63	61	56	55	57	61	64	61	62	68	78	79	72	?
6	72	73	76	79	82	82	83	84	79	74	60	48	42	38	37	38	40	47	50	53	56	60	63	67	62	?	
7	69	71	72	72	74	73	74	73	70	59	47	42	39	37	38	38	41	45	47	48	52	56	63	64	57	?	
8	66	68	70	72	73	73	72	64	65	76	96	100	?	?	?	?	?	?	?	?	?	98	?	98	94	49	?
9	86	88	92	98	97	95	92	80	75	67	62	56	50	47	44	48	50	57	63	67	68	69	69	68	70	?	
10	65	64	63	62	61	62	60	58	54	45	39	35	33	31	30	30	31	35	36	39	40	42	43	45	46	?	
11	47	46	45	45	46	48	56	55	54	48	38	32	31	29	28	28	32	37	38	40	41	43	46	48	42	?	
12	49	53	56	62	62	63	67	63	59	69	77	83	83	79	82	85	86	86	87	87	87	89	93	92	75	?	
13	89	89	87	85	87	91	88	87	86	82	77	76	72	72	70	69	69	79	84	89	94	97	97	98	84	?	
14	99	100	99	100	?	?	?	99	?	95	88	86	82	83	87	97	?	?	?	?	?	?	?	?	46	?	
15	?	?	?	?	?	?	?	?	?	?	?	?	97	92	88	87	86	92	97	99	?	?	?	?	31	?	
16	?	?	?	?	?	?	?	?	?	98	?	90	83	75	68	58	71	81	81	86	85	89	90	95	97	54	?
17	97	95	87	85	86	86	86	88	86	80	64	58	51	51	54	55	69	71	79	85	87	89	91	91	78	?	
18	88	87	82	84	86	89	95	97	97	96	96	97	97	97	98	?	?	?	?	?	?	?	?	?	58	?	
19	?	?	?	?	?	?	?	?	?	?	?	?	94	84	83	76	74	80	86	91	96	95	95	99	?	44	?
20	100	?	100	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	25	?	
21	97	96	87	77	75	82	80	78	71	64	59	56	51	45	36	31	31	39	47	53	57	64	74	72	63	?	
22	66	66	74	78	84	79	80	86	83	77	66	59	57	58	60	59	63	68	72	76	83	88	89	88	73	?	
23	89	92	93	93	94	94	94	92	87	77	65	61	57	57	60	65	70	76	76	78	80	77	76	79	78	?	
24	82	82	80	79	80	82	88	89	82	69	58	51	51	47	49	47	52	66	70	70	78	86	84	82	71	?	
25	84	88	90	88	76	68	62	63	64	65	58	55	52	50	47	46	44	42	46	49	49	52	55	58	60	?	
26	59	60	62	64	71	73	76	77	68	63	59	52	44	38	36	38	49	57	57	63	75	76	69	66	60	?	
27	67	66	66	63	65	64	63	65	63	58	54	51	46	41	38	37	33	32	35	40	47	48	48	52	52	?	
28	57	59	63	62	65	69	72	76	69	58	50	44	42	39	43	46	45	49	51	47	53	67	76	78	58	?	
29	77	81	82	89	95	98	97	95	93	80	58	43	37	36	36	36	49	63	75	79	73	74	80	88	71	?	
30	87	86	87	91	91	89	86	93	98	98	?	97	94	93	79	71	75	84	78	71	70	76	84	80	82	?	
Avg	75	76	77	78	76	78	79	79	77	71	63	59	57	54	53	50	53	59	63	66	67	71	75	76	60	?	
S D	15	15	14	14	12	12	12	13	13	13	15	19	20	20	21	17	17	17	17	17	16	17	17	16	14	?	
S/A	0.2	0.2	0.18	0.18	0.16	0.16	0.15	0.16	0.17	0.18	0.24	0.31	0.36	0.38	0.39	0.34	0.33	0.3	0.27	0.26	0.24	0.23	0.22	0.21	0.24	?	
Min	47	46	45	45	46	48	56	55	54	45	38	32	31	29	28	28	31	32	35	39	40	42	43	45	25	?	
Max	100	100	99	100	97	99	98	99	98	98	96	100	97	97	98	87	86	92	97	99	96	98	99	99	84	?	

Data Recovery: 0% missing; 13% 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: 6/1/1995

Temperature (CR10)
Hourly and Daily Averages
Degrees Celsius
Elizabeth City State Univ. - January 2001

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	-4	-5	-5	-6	-6	-6	-6	-5	-4	-3	-1	3	4	5	5	4	3	1	0	-1	-2	-3	-4	-5	-2
2	-4	-4	-4	-4	-4	-4	-4	-4	-2	0	3	4	6	5	5	5	3	1	-2	-3	-4	-5	-4	-5	-1
3	-6	-6	-7	-8	-9	-9	-10	-10	-6	-2	1	3	4	5	5	4	3	-0	-3	-4	-5	-5	-4	-4	-3
4	-5	-4	-5	-5	-6	-6	-7	-7	-5	-1	3	6	8	8	8	7	5	2	-1	-3	-4	-5	-5	-6	-1
5	-6	-5	-5	-6	-5	-5	-5	-4	-3	-1	2	4	5	6	7	8	6	4	3	3	1	-1	-2	0	0
6	-0	0	-0	-1	-2	-2	-3	-3	-0	3	7	10	11	11	11	11	10	7	5	3	2	1	1	0	3
7	-1	-1	-1	-1	-1	-1	-1	-0	3	6	10	12	13	15	15	15	13	11	10	10	9	7	7	7	7
8	7	7	7	6	6	6	6	6	7	7	7	7	7	7	8	7	7	7	6	6	6	5	4	4	6
9	3	2	0	-0	-0	0	1	1	1	2	3	4	6	6	7	5	4	2	0	-1	-2	-2	-3	-3	1
10	-3	-3	-4	-4	-4	-4	-4	-3	-1	2	5	7	9	10	10	10	9	6	4	3	3	3	3	3	2
11	3	2	2	2	1	1	0	0	3	6	10	14	16	17	18	18	16	13	12	11	9	8	8	8	8
12	8	7	7	7	7	7	5	5	6	7	8	9	10	12	12	10	9	8	7	7	7	6	6	6	8
13	6	7	7	8	7	6	6	6	6	9	11	13	13	14	13	13	11	8	6	4	3	3	2	2	8
14	3	3	2	2	2	2	2	3	6	7	10	13	15	15	14	13	13	12	12	13	13	13	13	13	9
15	13	14	14	14	14	12	11	10	9	10	10	12	13	15	16	15	15	13	12	10	9	9	9	10	12
16	9	9	10	10	10	9	9	8	8	9	11	14	14	15	14	13	10	8	6	6	5	4	3	3	9
17	3	3	3	2	2	2	1	0	1	3	8	11	13	14	13	11	10	8	7	5	4	4	3	4	6
18	4	5	5	5	5	6	6	5	6	6	7	8	9	10	10	9	8	7	7	6	6	6	7	7	7
19	7	7	7	7	7	7	7	7	8	10	12	15	19	22	23	23	22	20	19	19	19	19	16	14	14
20	16	17	18	14	9	8	7	7	7	7	8	7	7	6	6	6	5	5	5	5	4	4	4	3	8
21	3	3	3	2	1	1	-1	-1	0	3	4	6	7	-1	7	7	4	1	-0	-1	-3	-4	-4	-4	2
22	-4	-4	-4	-5	-5	-5	-4	-4	-2	0	5	7	8	8	7	7	5	2	0	-1	-2	-2	-1	-1	0
23	-1	-1	-1	-1	-1	-1	-1	-1	-0	2	4	6	7	8	7	5	4	3	2	1	1	0	-0	-1	2
24	-1	-2	-2	-1	-1	-2	-3	-1	2	8	-1	11	11	12	11	12	10	7	5	4	5	4	4	4	4
25	4	3	3	3	3	4	4	4	4	4	5	6	7	8	7	6	5	4	2	1	1	-0	-1	-2	4
26	-3	-3	-3	-4	-5	-6	-6	-6	-3	1	4	6	8	9	9	8	7	4	2	1	1	1	1	2	1
27	2	2	1	2	2	2	2	2	4	6	8	11	13	13	14	14	14	12	9	7	5	4	3	2	6
28	0	-1	-2	-2	-2	-2	-3	-4	-1	4	7	10	11	11	11	10	9	7	6	4	3	2	1	0	3
29	1	2	2	2	0	-0	0	2	3	5	9	12	14	13	13	12	11	8	6	5	5	5	6	6	6
30	7	8	10	11	12	13	14	14	14	15	15	16	17	18	20	21	20	18	16	16	16	15	14	14	15
Avg	2	2	2	2	1	1	1	1	2	4	7	9	10	11	11	10	9	7	6	5	4	3	3	3	5
SD	5	6	6	6	6	6	6	5	5	4	4	4	4	4	4	5	5	5	5	5	6	6	6	5	4
S/A	2.57	2.79	3.12	3.65	4.5	5.39	6.36	5.91	2.1	0.93	0.54	0.41	0.38	0.39	0.41	0.46	0.51	0.67	0.92	1.16	1.4	1.68	1.9	2.07	0.92
Min	-6	-6	-7	-8	-9	-9	-10	-10	-6	-3	-1	3	4	5	5	4	3	-0	-3	-4	-5	-5	-5	-6	-3
Max	16	17	18	14	14	13	14	14	14	15	15	16	19	22	23	23	22	20	19	19	19	19	16	14	15

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: 6/1/1995

Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Univ. - January 2001

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	2	2	2	2	2	2	1	1	1	2	2	2	1	0	0	0	0	0	0	0	1
2	0	1	1	1	2	2	2	2	2	3	4	4	3	4	4	4	3	2	1	1	1	1	2	1	2
3	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1	1	1	2	2	2	1
4	2	2	2	2	2	2	1	2	2	2	2	1	1	3	3	3	2	1	0	0	0	0	0	1	2
5	1	1	0	0	1	1	1	2	2	3	3	4	5	5	4	3	1	1	1	1	1	0	0	2	2
6	3	3	2	2	2	2	1	1	2	2	3	3	4	4	4	4	2	2	2	1	1	1	2	1	2
7	1	1	2	1	1	2	2	2	2	3	3	4	4	4	3	3	2	2	2	2	1	1	1	2	2
8	2	1	1	1	1	1	1	2	3	2	2	2	1	0	1	1	1	0	1	2	3	3	3	3	2
9	3	1	0	1	0	1	2	1	2	3	4	4	3	4	3	3	3	2	2	2	2	2	2	3	2
10	3	3	3	3	4	3	4	3	3	4	4	4	3	3	4	3	2	1	1	1	2	3	3	4	3
11	3	2	1	2	2	1	2	2	2	3	3	5	5	6	5	5	4	3	3	2	2	2	1	2	3
12	1	0	1	1	1	1	0	1	1	1	2	2	3	4	4	4	3	4	4	4	5	5	4	4	2
13	4	5	4	4	4	4	4	4	4	5	4	5	4	4	4	3	4	3	3	3	3	2	2	3	4
14	2	2	1	1	1	1	2	2	2	2	2	3	3	3	1	2	1	1	1	2	1	0	0	0	1
15	1	2	2	2	2	1	2	2	1	2	1	2	3	3	3	2	1	1	1	0	1	1	2	2	2
16	2	2	2	2	2	2	1	1	1	2	2	1	1	1	1	1	2	2	1	1	0	0	0	1	1
17	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	2	1	1	2	1	1	1	1	1
18	1	1	2	1	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	1	1	0	0	0	2
19	0	0	1	0	1	1	0	2	2	2	3	3	4	4	3	3	4	4	5	5	4	2	1	1	2
20	3	4	2	4	3	2	1	1	1	1	2	3	2	2	3	2	2	2	1	2	4	4	5	4	2
21	4	5	6	6	5	4	3	2	3	3	4	4	4	4	2	2	1	0	1	1	0	0	0	0	3
22	1	0	0	0	0	1	2	1	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	3	2
23	2	2	2	3	3	3	4	4	5	5	6	5	5	6	5	5	5	4	4	3	4	3	3	2	4
24	2	2	2	2	2	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2
25	1	0	0	0	3	4	5	4	4	4	5	5	5	6	6	5	5	4	4	4	4	4	3	2	4
26	3	2	2	2	2	1	1	1	2	3	3	2	2	1	1	1	2	1	1	2	3	2	2	3	2
27	3	4	4	5	5	4	4	4	4	5	6	6	7	7	6	5	4	3	3	2	2	1	1	1	4
28	1	1	1	2	2	2	1	1	1	1	2	1	2	2	3	3	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	3	2	2	2	2	3	2	1	1
30	2	3	3	3	4	4	5	4	4	4	5	6	6	5	7	7	5	3	4	4	5	4	3	4	4
Avg	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2
SD	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
S/A	0.59	0.69	0.76	0.73	0.64	0.63	0.65	0.59	0.53	0.48	0.49	0.5	0.51	0.49	0.47	0.47	0.45	0.58	0.63	0.65	0.69	0.71	0.71	0.66	0.4
Min	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	0	1
Max	4	5	6	6	5	4	5	4	5	5	6	6	7	7	7	7	5	4	5	5	5	5	5	4	4

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: 6/1/1995

Wind Direction
Hourly and Daily Averages
Degrees
Elizabeth City State Univ. - January 2001

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	151	147	132	120	135	111	110	123	141	152	157	176	179	148	129	110	121	124	77	63	274	36	220	171	136
2	116	133	165	165	152	164	174	158	143	157	189	194	173	203	150	148	163	148	156	131	169	182	171	166	166
3	179	155	159	147	121	130	124	150	155	155	161	151	181	102	139	113	88	37	33	70	71	76	80	68	122
4	79	91	80	80	82	86	82	79	99	136	145	188	169	179	212	257	263	278	287	352	60	341	349	86	132
5	54	61	87	72	69	41	41	34	35	41	36	49	40	48	48	64	67	68	113	148	129	123	86	114	55
6	130	124	114	133	140	140	145	152	141	141	180	150	168	139	127	124	144	111	106	92	88	81	78	65	133
7	62	77	71	64	56	58	59	74	86	80	82	92	94	69	69	47	48	40	65	56	52	52	51	52	69
8	80	69	26	36	34	52	84	107	137	158	161	154	178	8	307	348	27	80	85	153	164	177	182	189	137
9	189	179	139	121	123	130	154	147	171	192	193	204	190	180	178	181	195	148	157	140	160	150	146	129	172
10	128	131	126	114	122	130	120	130	120	134	129	144	140	142	141	123	121	99	80	74	87	89	83	93	120
11	90	85	104	112	113	85	76	84	88	106	102	92	101	124	107	115	85	80	81	84	84	87	74	77	96
12	80	51	84	76	127	162	197	214	238	273	260	238	247	261	249	255	238	231	212	217	216	228	223	234	231
13	233	232	230	226	209	221	224	233	229	259	253	243	243	250	254	253	234	248	242	233	234	242	237	223	237
14	239	242	220	217	230	226	246	228	241	272	280	285	299	296	313	308	326	321	349	13	40	92	21	48	276
15	66	63	81	102	129	135	119	125	106	122	98	84	78	85	100	76	70	14	37	355	26	29	38	51	85
16	60	79	89	90	112	140	141	145	176	214	238	259	144	171	136	5	332	316	309	309	285	211	246	236	135
17	221	232	238	218	239	218	225	221	242	267	272	263	326	96	88	70	11	33	283	277	300	278	277	279	267
18	276	277	279	263	265	258	270	268	270	279	256	266	257	249	235	215	219	204	229	231	265	250	277	196	252
19	173	181	292	11	306	356	308	333	357	32	46	61	61	73	42	54	44	44	46	37	72	100	262	36	45
20	60	69	79	201	230	250	270	275	287	306	172	212	237	210	211	216	237	178	188	152	136	121	122	127	172
21	142	120	118	123	147	145	138	131	137	165	185	172	180	176	191	178	163	129	129	153	153	68	112	63	149
22	85	168	199	189	167	225	225	218	211	229	242	251	242	279	255	262	262	259	252	234	224	243	235	251	245
23	227	209	218	226	216	226	216	213	207	222	217	222	210	202	221	219	222	199	202	197	196	203	193	191	212
24	181	177	178	179	186	184	120	153	171	180	179	208	237	106	125	80	59	21	10	13	30	25	38	54	118
25	27	12	7	160	183	213	202	206	207	201	197	189	194	193	188	191	179	179	185	191	182	182	176	182	191
26	186	180	157	152	136	152	151	140	182	221	203	236	171	155	159	23	66	49	24	30	26	41	59	71	132
27	72	65	82	80	82	97	101	89	102	98	108	112	129	128	143	127	114	164	146	127	152	161	185	196	112
28	179	192	171	200	195	185	141	145	144	188	209	82	113	92	70	38	72	54	76	90	48	21	66	24	115
29	62	289	352	40	53	1	265	285	2	314	325	283	293	296	301	304	317	317	317	328	331	332	319	316	314
30	335	346	1	12	18	15	15	20	23	39	38	64	60	51	74	78	60	60	58	70	82	89	88	82	50
Avg	135	126	125	139	145	157	152	153	156	166	179	171	162	154	151	136	137	147	137	123	128	135	138	124	145

142	131	146	151	158	162	161	177	177	177	177	157	165	152	151	141	151	153	144	143	156	135	155		
81	66	68	77	72	73	77	75	71	69	71	69	71	75	75	91	92	93	95	98	87	89	90	79	69
0.57	0.5	0.46	0.51	0.46	0.45	0.48	0.43	0.4	0.39	0.4	0.47	0.45	0.6	0.61	0.66	0.63	0.64	0.61	0.62	0.57	0.58	0.44		
1	11	18	1	15	20	2	32	36	49	40	8	42	5	11	14	10	13	26	21	21	24	45		
352	263	306	356	308	333	357	314	325	285	326	296	313	348	332	321	349	355	331	341	349	316	314		

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: 6/1/1995

**Peak Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Univ. - January 2001**

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	3	3	3	2	2	3	4	4	3	3	2	3	4	4	2	0	0	0	1	0	0	0	2
2	1	2	2	3	3	4	4	4	3	5	6	7	6	7	7	7	6	3	2	2	1	2	3	2	4
3	3	2	2	2	1	1	2	2	2	3	4	4	4	4	4	4	3	2	1	2	2	2	3	3	3
4	3	3	3	2	2	2	1	2	3	4	3	2	3	5	5	4	3	2	1	1	0	1	1	1	2
5	1	1	1	1	1	1	2	2	3	4	5	7	7	7	6	5	2	2	2	2	2	1	1	2	3
6	3	3	3	3	3	3	2	2	3	4	5	6	7	7	6	6	4	3	2	2	1	2	2	2	4
7	1	2	2	2	2	2	3	3	4	5	5	6	6	6	5	5	3	3	3	3	2	2	2	2	3
8	3	2	1	2	2	2	2	3	4	4	3	3	2	1	1	2	2	1	2	3	6	7	5	6	3
9	5	3	1	1	1	3	4	4	4	6	7	7	6	6	6	6	5	4	3	3	4	4	4	5	4
10	5	5	5	5	5	5	6	5	5	7	7	7	6	5	6	5	3	2	2	2	3	4	4	5	5
11	4	3	2	2	2	2	3	3	3	4	5	7	7	8	8	7	5	4	4	3	2	3	2	2	4
12	1	1	1	2	2	1	1	2	2	2	3	4	4	5	6	6	5	6	6	6	7	7	7	6	4
13	7	8	6	7	6	6	6	6	6	7	7	8	7	7	6	5	5	5	5	4	4	4	4	4	6
14	4	4	2	2	2	2	2	2	3	3	3	4	4	4	2	3	2	2	2	3	2	1	0	1	2
15	2	3	3	3	5	2	3	3	2	3	3	3	4	5	4	3	2	2	1	1	2	2	3	3	3
16	3	3	3	3	3	3	3	3	3	4	3	2	3	3	3	3	3	3	2	2	1	0	0	1	2
17	2	2	2	1	1	2	2	1	1	2	3	3	2	2	2	1	3	1	2	3	2	2	2	1	2
18	2	2	2	2	3	3	4	4	4	3	3	4	3	3	4	4	4	5	4	2	2	1	0	0	3
19	1	1	2	1	2	2	1	3	3	4	5	5	7	7	5	5	6	7	7	8	7	3	2	2	4
20	5	6	4	6	5	3	2	2	3	2	4	5	3	4	4	3	3	4	3	3	6	7	8	8	4
21	7	8	9	10	9	8	6	5	6	7	7	7	7	6	5	5	3	1	1	1	0	0	0	1	5
22	1	0	0	1	0	2	3	2	3	4	5	5	4	5	5	5	5	4	4	4	3	3	3	4	3
23	3	2	3	4	5	5	5	7	8	8	9	8	8	9	8	7	7	6	5	6	4	4	4	4	6
24	4	4	4	4	3	2	1	2	2	2	2	3	2	2	3	3	3	2	2	3	3	3	3	3	3
25	1	0	0	1	5	7	7	7	7	7	8	8	8	9	10	9	8	8	7	7	7	7	5	4	6
26	5	5	4	3	3	2	2	2	4	4	4	3	3	3	3	3	4	2	2	3	4	3	4	5	3
27	4	5	6	7	7	6	6	5	6	7	9	10	12	12	10	8	7	5	5	3	2	3	2	2	6
28	1	1	2	3	3	3	1	1	1	3	3	2	3	4	4	4	2	2	2	2	1	1	1	1	2
29	0	0	0	1	0	1	0	0	0	0	2	3	3	3	3	4	4	3	3	3	3	4	3	2	2
30	3	4	5	5	5	5	7	6	6	7	8	10	9	7	10	11	7	5	6	7	8	6	5	6	7
Avg	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	5	4	3	3	3	3	3	3	3	4
SD	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	0.59	0.67	0.71	0.72	0.63	0.58	0.6	0.54	0.47	0.43	0.42	0.44	0.47	0.45	0.44	0.44	0.43	0.57	0.6	0.61	0.69	0.71	0.71	0.65	0.37
Min	0	0	0	1	0	1	0	0	0	0	2	2	1	1	1	2	0	0	0	0	0	0	0	0	2
Max	7	8	9	10	9	8	7	7	8	8	9	10	12	12	10	11	8	8	7	8	8	7	8	8	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 WSP
Calibration Date: 6/1/1995

Station Pressure
Hourly and Daily Averages
Millibars
Elizabeth City State Univ. - January 2001

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
8	*	*	*	*	*	*	*	*	*	*	1007	*	*	*	*	*	*	*	*	1005	1005	1006	*	*	*	168		
9	*	1008	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	42		
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021	1021	*	*	*	*	*	85		
11	*	*	*	*	1020	1020	1016	020	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	127		
12	*	*	*	*	*	1016	1016	017	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	127		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019	*	42		
15	*	*	*	*	1019	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	42		
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
18	*	*	*	*	*	*	*	*	*	1021	*	1019	*	*	*	*	*	*	*	*	*	*	*	*	*	85		
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
22	1028	* 1028	* 1028	* 1028	* 1028	* 1029	1029	030	1031	1032	*	1032	*	1018	* 1017	* 1016	1030	1030	1030	1029	* 1026	* 1026	1027	1027	1028	* 1028	* 342	
23	* 1026	*	*	*	*	*	*	023	* 1023	*	1022	*	1018	* 1017	* 1016	1017	1016	1016	1016	1016	1016	1016	1016	1015	1015	* 1015	* 858	
24	1015	1015	1015	1015	1015	1016	1016	016	1017	1017	1017	1017	1016	1015	1015	* 1015	1014	1014	1014	1015	1015	* 1014	* 1014	* 1014	* 1014	1014	1015	679
25	1013	1012	1012	1012	*	*	1013	*	1015	*	1016	* 1016	1015	1015	1016	1016	1017	1018	1019	1021	1021	1022	1023	1023	1023	847		
26	1023	1023	1023	1024	1024	1025	1025	025	1026	1026	1026	* 1023	* 1022	1022	1021	1021	1020	1020	1019	1018	1018	1018	*	1016	937			
27	1016	1014	* 1014	* 1013	* 1012	1012	1012	013	1013	1013	1012	* 1012	1011	1011	1012	1013	1014	1015	1017	1018	1019	1020	1021	1021	1014	1014		
28	1021	1022	1022	1022	1022	1023	1024	025	1026	1026	1026	1026	1025	1024	1024	1023	1024	1024	1024	1025	1025	1025	1024	1024	1024	1024		
29	1024	1024	1024	1024	1024	1024	1025	025	1026	1026	1025	1025	1024	1023	1022	1022	1021	1021	1020	1020	1019	1018	1018	1017	1017	1023		
30	1016	1015	1014	1013	1012	1011	1010	* 009	* 1009	1009	*	1006	* 1005	* 1005	* 1004	* 1003	* 1003	*	* 1004	* 1005	1005	1006	1006	1005	* 924			
Avg	1019	1020	1018	1019	1020	1019	1019	1020	1020	1021	1019	1019	1017	1017	1018	1018	1018	1020	1018	1018	1018	1019	1019	1018	1018	521		
S/D	5	6	6	6	5	6	6	6	7	7	7	8	6	6	7	7	7	5	7	7	7	6	6	6	6	415		
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.8		
Min	1013	1012	1008	1012	1012	1011	1010	1009	1009	1009	1007	1006	1005	1005	1004	1003	1003	1014	1004	1005	1005	1006	1006	1005	1005	42		
Max	1028	1028	1028	1028	1028	1029	1029	1030	1031	1032	1026	1032	1025	1024	1030	1030	1030	1029	1029	1029	1029	1028	1028	1028	1028	1024		

Data Recovery: 75% 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: 6/1/1995