

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

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	37	?	?	?	?	?	?	?	?	108 ?	29	0	0	0	0	0	0	174 ?
2	0	0	0	0	0	0	0	42	?	?	?	?	?	?	?	?	77 ?	20	0	0	0	0	0	0	138 ?
3	0	0	0	0	0	0	0	13	48	116	127	264	129 ?	89	185	101	78 ?	25	0	0	0	0	0	0	1177
4	0	0	0	0	0	0	0	48	?	?	?	?	?	?	?	?	85 ?	13	0	0	0	0	0	0	146 ?
5	0	0	0	0	0	0	0	43	?	311 ?	307 ?	285 ?	?	341 ?	321 ?	149	55	7	0	0	0	0	0	0	1819 ?
6	0	0	0	0	0	0	0	21	110	229 ?	?	?	354 ?	334 ?	138	103	39	8	0	0	0	0	0	0	1336 ?
7	0	0	0	0	0	0	0	38	?	?	?	?	?	?	?	?	101 ?	28	0	0	0	0	0	0	167 ?
8	0	0	0	0	0	0	0	48	?	?	?	?	?	?	?	?	104 ?	28	0	0	0	0	0	0	181 ?
9	0	0	0	0	0	0	0	51	112 ?	295 ?	128	145	296	301	286	178	40	9	0	0	0	0	0	0	1841 ?
10	0	0	0	0	0	0	0	26	98	116	158	205	253	283	187	149	67	11	0	0	0	0	0	0	1552
11	0	0	0	0	0	0	0	30	139	243	273	382	410	384	321	185	96	30	0	0	0	0	0	0	2492
12	0	0	0	0	0	0	0	6	?	?	61	73	60 ?	85	67	51	18	8	0	0	0	0	0	0	430 ?
13	0	0	0	0	0	0	3	39	146	230 ?	?	?	?	?	?	?	100 ?	34	0	0	0	0	0	0	551 ?
14	0	0	0	0	0	0	1	20	41	129	209	294	303	204	101	46	14 ?	4	0	0	0	0	0	0	1369
15	0	0	0	0	0	0	2	42	101 ?	269	267	233	244	198	111	86	34 ?	5	0	0	0	0	0	0	1590
16	0	0	0	0	0	0	4	57	?	?	?	?	468 ?	460 ?	?	?	127	27	0	0	0	0	0	0	1143 ?
17	0	0	0	0	0	0	0	12	45	66	64	94	119	84	68	?	17 ?	4	0	0	0	0	0	0	573 ?
18	0	0	0	0	0	0	1	26 ?	184 ?	?	?	?	?	?	?	?	117 ?	41	0	0	0	0	0	0	369 ?
19	0	0	0	0	0	0	4	47	?	271 ?	?	?	?	?	?	?	?	44	0	0	0	0	0	0	365 ?
20	0	0	0	0	0	0	8	60 ?	?	?	?	?	?	?	?	?	120 ?	29	0	0	0	0	0	0	216 ?
21	0	0	0	0	0	0	2	29	41	136	235 ?	317 ?	198	330 ?	?	?	?	45	0	0	0	0	0	0	1333 ?
22	0	0	0	0	0	0	7	57 ?	?	?	?	?	?	?	?	?	?	46	0	0	0	0	0	0	110 ?
23	0	0	0	0	0	0	9	60 ?	?	?	?	?	?	?	?	342	175	96	20	0	0	0	0	0	702 ?
24	0	0	0	0	0	0	2	25	105	145	117	96	86	159	118	39	?	5	0	0	0	0	0	0	897
25	0	0	0	0	0	0	7	71	189 ?	?	?	?	?	?	?	?	?	75	0	0	0	0	0	0	342 ?
26	0	0	0	0	0	0	4	23	43	85	86	67	59	?	42 ?	38	32	10	0	0	0	0	0	0	489 ?
27	0	0	0	0	0	0	3	34	90	163	244	324	355	347	289	225	130	33	0	0	0	0	0	0	2237
28	0	0	0	0	0	0	12	66 ?	?	?	?	?	?	?	?	?	?	50	0	0	0	0	0	0	128 ?
29	0	0	0	0	0	0	14	72 ?	?	?	?	?	?	?	?	?	92 ?	25	0	0	0	0	0	0	202 ?

Avg	0	0	0	0	0	0	3	39	100	187	175	214	238	257	184	117	76	25	0	0	0	0	0	0	0	830 ?
S D	0	0	0	0	0	0	4	18	50	81	85	108	133	121	107	64	37	17	0	0	0	0	0	0	0	707
S/A	0	0	0	0	0	0	1.34	0.45	0.5	0.43	0.48	0.5	0.56	0.47	0.58	0.54	0.49	0.7	0	0	0	0	0	0	0	0.85
Min	0	0	0	0	0	0	0	6	41	66	61	67	59	84	42	38	14	4	0	0	0	0	0	0	0	110
Max	0	0	0	0	0	0	14	72	189	311	307	382	468	460	342	225	130	75	0	0	0	0	0	0	0	2492
n	0	0	0	0	0	0	53	313	155	139	147	143	143	136	155	154	190	239	0	0	0	0	0	0	0	1980

Daylight Data Recovery: 0.0% missing; 47.5% exceed the 15% QC threshold -- 3769 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25823F3 Calibration Factor: 9.830 μV/W/m² Calibration Date: 05/1998

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

February 2004

Direct Normal Solar Radiation
 Hourly Integrated and Daily Totals
 Instrument: Eppley NIP
 Watt-Hours per Square Meter

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

Avg	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1?
S D	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S/A	0	0	0	0	0	0	1.86	1.1	1.45	2.26	3.37	3.45	3.62	2.88	2.21	2.62	3.89	3.32	0	0	0	0	0	0	0.83
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	0
Max	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	2
n	0	0	0	0	0	0	53	314	169	155	148	143	149	151	164	167	220	239	0	0	0	0	0	0	2084

Daylight Data Recovery: 0.0% missing; 44.7% exceed the 15% QC threshold -- 3769 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 05/1998

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

February 2004

Diffuse Solar Radiation (Shadow Band) on a Horizontal Surface
 Hourly Integrated and Daily Totals
 Instrument: Eppley PSP
 Watt-Hours per Square Meter

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	?	?	?	?	?	?	?	?	35 ?	14	0	0	0	0	0	0	64 ?
2	0	0	0	0	0	0	0	21	?	?	?	?	?	?	?	?	24 ?	13	0	0	0	0	0	0	58 ?
3	0	0	0	0	0	0	0	13	47	113	133	239	125 ?	93	179	94	32 ?	11	0	0	0	0	0	0	1080
4	0	0	0	0	0	0	0	21	?	?	?	?	?	?	?	?	35 ?	9	0	0	0	0	0	0	66 ?
5	0	0	0	0	0	0	0	21	?	238 ?	283 ?	274 ?	?	288 ?	258 ?	146	57	7	0	0	0	0	0	0	1573 ?
6	0	0	0	0	0	0	0	23	98	173 ?	?	?	314 ?	277 ?	144	109	41	8	0	0	0	0	0	0	1188 ?
7	0	0	0	0	0	0	0	37	?	?	?	?	?	?	?	?	27 ?	11	0	0	0	0	0	0	75 ?
8	0	0	0	0	0	0	0	19	?	?	?	?	?	?	?	?	17 ?	5	0	0	0	0	0	0	42 ?
9	0	0	0	0	0	0	0	31	86 ?	255 ?	134	152	296	301	267	173	42	9	0	0	0	0	0	0	1747 ?
10	0	0	0	0	0	0	?	27	100	123	166	214	258	286	194	153	69	12	0	0	0	0	0	0	1602
11	0	0	0	0	0	0	?	31	136	233	276	357	364	322	270	178	95	27	0	0	0	0	0	0	2287
12	0	0	0	0	0	0	0	7	12 ?	25	65	78	58	91	72	54	19	8	0	0	0	0	0	0	489
13	0	0	0	0	0	0	?	41	143	199 ?	?	?	?	?	?	?	54 ?	26	0	0	0	0	0	0	463 ?
14	0	0	0	0	0	0	0	1	21	44	137	220	285	306	216	108	49	13	4	0	0	0	0	0	1406
15	0	0	0	0	0	0	0	3 ?	45	117	263	277	245	256	211	118	91	32	6	0	0	0	0	0	1665
16	0	0	0	0	0	0	6 ?	39	?	?	?	?	369 ?	399 ?	?	?	117	28	0	0	0	0	0	0	958 ?
17	0	0	0	0	0	0	0	13	48	71	68	100	127	89	73	24	17	5	0	0	0	0	0	0	635
18	0	0	0	0	0	0	0	1	24 ?	164 ?	?	?	?	?	?	?	27 ?	12	0	0	0	0	0	0	228 ?
19	0	0	0	0	0	0	0	4	42	?	210 ?	?	?	?	?	?	?	?	21	0	0	0	0	0	277 ?
20	0	0	0	0	0	0	8 ?	26 ?	?	?	?	?	?	?	?	?	94 ?	29	0	0	0	0	0	0	157 ?
21	0	0	0	0	0	0	2	30	42	134	216 ?	287 ?	195	273 ?	?	?	?	?	17	0	0	0	0	0	1197 ?
22	0	0	0	0	0	0	7 ?	23 ?	?	?	?	?	?	?	?	?	?	?	19	0	0	0	0	0	49 ?
23	0	0	0	0	0	0	8	26 ?	?	?	?	?	?	?	?	291	177	97	21	0	0	0	0	0	620 ?
24	0	0	0	0	0	0	2 ?	26	109	149	122	100	90	167	123	40	17	5	0	0	0	0	0	0	950
25	0	0	0	0	0	0	7	65	141 ?	?	?	?	?	?	?	?	?	40	0	0	0	0	0	0	253 ?
26	0	0	0	0	0	0	4	24	45	89	91	71	61	39	38	40	32	11	0	0	0	0	0	0	545
27	0	0	0	0	0	0	4	36	94	171	254	318	329	318	268	217	129	32	0	0	0	0	0	0	2168
28	0	0	0	0	0	0	9	23 ?	?	?	?	?	?	?	?	?	?	?	12	0	0	0	0	0	44 ?
29	0	0	0	0	0	0	10	25 ?	?	?	?	?	?	?	?	?	74 ?	25	0	0	0	0	0	0	134 ?

Avg	0	0	0	0	0	0	3	27	89	162	177	209	225	225	172	110	50	15	0	0	0	0	0	0	0	759 ?
S D	0	0	0	0	0	0	3	12	45	69	81	98	113	107	87	63	34	10	0	0	0	0	0	0	0	699
S/A	0	0	0	0	0	0	1.15	0.42	0.5	0.43	0.46	0.47	0.5	0.47	0.51	0.57	0.68	0.62	0	0	0	0	0	0	0	0.92
Min	0	0	0	0	0	0	0	7	12	25	65	71	58	39	38	24	13	4	0	0	0	0	0	0	0	42
Max	0	0	0	0	0	0	10	65	164	263	283	357	369	399	291	217	129	40	0	0	0	0	0	0	0	2287
n	0	0	0	0	0	0	43	308	164	155	148	143	149	151	164	167	219	239	0	0	0	0	0	0	0	2062

Daylight Data Recovery: 0.0% missing; 45.3% exceed the 15% QC threshold -- 3769 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 μV/W/m² Calibration Date: 05/1998

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Dry Bulb Temperature (Tower)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Degrees Celsius

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	-2.6	-3	-3.4	-3.3	-3.7	-4.1	-4.5	-4.2	-3.2	-2.1	-0.8	0.5	1.1	2	2.3	3	2.3	1.1	-0.1	-1	-1.6	-1.9	-2	-2.3	-1.3
2	-2.6	-2.8	-3.1	-3.1	-3	-3.2	-3.1	-2.6	-0.9	1.6	3.8	5.7	6.6	7.1	7.3	6.7	5.5	4	2.7	2.2	2.2	2.1	2.8	3.6	1.6
3	3.8	5.2	6.1	7.2	7.7	8.3	9	10.5	10.9	12.2	12.7	13.8	15.1	12.9	11.8	11	10.2	9	8	7.3	6.9	6.6	6.1	5.5	9.1
4	5.3	4.8	4.5	3.7	3.1	2.5	1.9	1.4	3.1	5.2	6.2	7.4	8.2	8.6	9	8.9	7.8	5.8	4.5	3.8	3.3	2.9	2.2	1.4	4.8
5	1.3	0.8	0.8	0.8	0.2	0.2	0	0.2	1.9	4.5	6.1	6.8	8	8.4	7.4	6.2	4.7	3.8	3.4	4	5	6.4	6.9	7.5	4
6	7.9	8.1	8.4	9.2	9.5	8.9	10.3	11.9	11.9	15.9	18.9	20.3	21	21.3	20.5	20.1	19.9	19.2	18.6	18	17.7	17.4	17.5	18	15.4
7	18.1	18.1	18.5	18.3	16.5	14.2	12.4	11	10.9	11.5	12.2	12.8	12.7	12.6	12.5	12.2	11.7	10	8.5	8.1	7.6	6.6	5.2	4.3	11.9
8	3.8	4	3.1	2.1	1.5	0.4	0	0.3	1.2	1.9	2.7	3.5	4.3	4.8	5.1	5.9	6.1	5	3	1.4	0.8	0.4	0.5	0.7	2.6
9	0.4	0.2	0.4	0.3	0	-0.1	0	0.6	2.5	5	5.8	5.9	6.5	8	8.5	8.6	8.4	8.2	8	7	6.8	7.2	7.5	7.1	4.7
10	6.1	6.1	6.3	6.4	6.3	5.9	5.5	5.3	5.6	6.2	6.7	7.4	8.3	9.4	10.1	10.2	10	9.3	9.1	9.3	9.4	9.4	9.4	8.9	7.8
11	8.3	7.7	7.2	6.7	6.5	6.1	5.7	5.4	5.9	7.1	8	9.1	9.7	10	10.4	10.4	9.7	6.9	5.5	5	4.8	4.5	4.4	4.6	7.1
12	4.7	4.7	4.7	4.8	5	5.2	6.2	4.4	3.5	2.2	1.5	2	2.4	2.6	3	3.3	3.4	3.2	3.1	3.2	3.2	3.3	3.2	3	3.6
13	3	2.6	2.3	1.6	0.8	0.8	0.3	-0.3	0.6	2.2	5.8	8.9	11.1	12.4	12.1	12.4	12.4	11.1	9.8	9	8.5	7.4	6.3	5.8	6.1
14	5.5	5.3	5.4	5.3	5.6	6	6.4	6.8	6.8	7.6	9	10.2	11.1	11.2	11	10.7	9.6	8.3	7.7	7.5	7.2	7.1	6.9	6.8	7.7
15	6.8	6.7	6.8	6.8	6.8	6.9	7	6.6	6.4	6.2	6.3	6	5.6	5.2	4.7	4.3	3.9	3	2.1	1.4	1.1	0.8	0.6	0.1	4.7
16	-0.6	-1.2	-1.8	-2.6	-3.1	-3.2	-3.2	-3	-2.2	-1.3	-0.4	0.4	1.1	1.2	1.4	1.4	1.2	0.6	-0.2	-0.8	-1.1	-0.9	-0.8	-0.6	-0.8
17	-0.2	-0.3	-0.1	1.1	1.4	1.4	1.6	1.5	1.9	2.7	3.2	3.8	4	4	4	3.5	2.8	2.6	2.8	3	3.2	2.9	2.5	2.4	2.3
18	2.2	2.3	2.1	2	1.9	1.6	1.6	1.7	2.1	2.7	3.6	4.3	5.3	6.2	7.1	7.7	8	7.6	6.4	5.8	5	4.5	4.2	3.6	4.1
19	2.2	1.7	1.4	1.2	1.4	1.7	2	2.5	4.2	6.6	8.4	11.1	13.2	14.9	16.3	16.6	16.5	15.3	13.8	12.7	11.5	10.8	10.1	9.1	8.5
20	8.5	8.2	7.9	7.4	7.4	7	6.4	7.3	9.8	12.8	14.5	16.3	17.7	19.1	19.4	19	17.9	15.5	14.1	12.9	12	12.2	12.4	12	12.4
21	11.4	11.6	11.9	12.5	13	13.5	13.4	13.7	14.2	14.6	15.9	17.3	17.4	18.6	19	17.8	16.6	15	13.2	11.9	10.6	10	9.2	8.3	13.8
22	7.4	6.4	5.3	4.3	3.9	3.6	3.6	4.2	6.2	7.1	7.9	9.2	10.3	11.2	11.9	11.3	9	7.4	6.4	5.6	5	4.4	4	3.5	6.6
23	3.3	3.9	3.4	2.5	2.1	2.2	1.5	2.3	4.2	5.5	7	8.3	9.7	10	9.9	8.9	7.4	6.6	5.9	5.3	5.1	5.2	5.2	5.2	5.4
24	5.7	5.8	6	6	5.7	6.2	6.4	6.7	7.5	8.2	8.3	8.8	9.3	9.6	9.6	9.1	8.6	7.8	7	6.7	6.5	6.1	5.9	5.2	7.2
25	4.5	3.8	3.7	3.5	3.2	2.5	1.7	1.4	1.8	2.3	3.3	4.1	4.8	5.3	5.9	6.3	6.1	4.9	3.5	2.7	2.3	2.2	2.3	2.2	3.5
26	2	1.5	1.1	0.9	1.7	2.5	2.9	3.3	3.6	3.9	4.2	4.4	4.6	4.5	4.2	3.8	3.6	3.5	3.6	3.8	4	4.2	4.1	4	3.3
27	3.9	4	3.9	3.8	4	4.1	4.4	4.7	4.9	5.1	5.4	5.8	5.7	5.6	5.2	4.8	4.3	4	3.2	2.7	1.9	1.5	1.1	1	4
28	1.1	0.9	0.7	1.3	2.1	1.8	1.5	2.1	3.8	5.7	7.3	8.8	9.5	10.3	10.9	11.2	11.4	10.9	9.4	8.1	6.1	5.2	3.4	3	5.7
29	3	2.7	3.2	2.8	3.2	3	2.7	3.7	6.1	10.2	13.2	15	16.4	17.2	17.9	18	17.1	15.8	14.5	13.2	11.9	11.1	10.8	10.6	10.1

Avg	4.3	4.1	4	3.9	3.8	3.7	3.6	3.8	4.7	6	7.1	8.2	9	9.4	9.6	9.4	8.8	7.8	6.8	6.2	5.8	5.5	5.2	5	6.1
SD	4.2	4.3	4.5	4.5	4.5	4.3	4.4	4.4	4.1	4.4	4.7	4.9	5.1	5.2	5.2	5.1	5	4.8	4.6	4.5	4.3	4.2	4.2	4.2	4
S/A	0.99	1.04	1.1	1.16	1.17	1.19	1.22	1.16	0.89	0.73	0.66	0.6	0.57	0.55	0.55	0.54	0.57	0.62	0.68	0.72	0.75	0.77	0.8	0.84	0.66
Min	-2.6	-3	-3.4	-3.3	-3.7	-4.1	-4.5	-4.2	-3.2	-2.1	-0.8	0.4	1.1	1.2	1.4	1.4	1.2	0.6	-0.2	-1	-1.6	-1.9	-2	-2.3	-1.3
Max	18.1	18.1	18.5	18.3	16.5	14.2	13.4	13.7	14.2	15.9	18.9	20.3	21	21.3	20.5	20.1	19.9	19.2	18.6	18	17.7	17.4	17.5	18	15.4
n	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	8352

Data Recovery: 0.0% missing; 0.0% failed QC -- 8352 total measurements.

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 1.00 deg C/mV Calibration Date: 03/1988

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Relative Humidity (Tower)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Percent

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	65.1	75.3	77	78.6	78.7	78	80.7	81	79	75.2	68.4	63.7	56.8	54.4	54.5	53.9	55.5	60.5	68	72.7	77.6	81.8	84.3	84.3	71
2	83.2	82.4	85	85.6	87	89.6	91.8	92	88.8	86.4	83	78.4	75.4	74.1	73	78	85.6	93.3	98.7	100.8	102.6	104	104.3	103.9	88.6
3	104.4	104.5 ?	104.3	103.9	101.9	97.3	95.1	96.1	97.8	98.8	101.8	103.2	101.9	103.9	100.8	97.3	92.5	94.1	97.1	98.2	98.7	98.5	100.1	101	99.7
4	100.9	100.9	98.9	98.7	98.7	98.5	99.2	100.4	92.5	79.7	75.3	69.3	63.6	61.5	61.1	63.3	67.4	77.1	82.3	86.1	89.8	90.4	91.6	95.7	85.1
5	90	88.3	86.7	86.1	88.9	91.9	95.1	94.4	88.5	83.5	79.9	79.8	76.8	76.1	80.2	84.7	89.4	94.6	98	98.6	98.1	95.6	97.2	97.6	89.2
6	97.9	99.5	99.2	96.6	96.5	98.9	102.1	102.3	102.9	96.7	84.5	78	79.7	80.3	84.9	89.5	92.1	95.5	98.8	102	103.5	104.6	104.9	104.7	95.7
7	105 ?	105 ?	104.5	102.8	101.7	101.4	98.8	98.8	93.1	83.7	76.1	66.3	63.2	61.4	55.8	53.2	54.6	58.4	58.2	60.7	58.1	59.7	65.1	81.1	77.8
8	86.4	60.5	56.1	59.7	62.3	71	73.6	70.1	59.6	50.2	39.8	37.5	34.1	32.6	30.5	30.7	28.6	30.7	44.3	65.3	70.4	71.7	69.8	69.4	54.4
9	74.9	79.5	79.6	81.5	84.5	88.3	89.6	87.8	82.3	63.6	53.2	55.5	52.3	51.7	55.6	56.9	60.9	68.7	76	91.7	92.9	88.7	84.4	91	74.6
10	103.8	?	?	?	?	?	?	?	103.5 ?	98.8	96.1	92.2	86.2	77.6	74.1	75.6	78.4	86.2	84.9	83.1	84.3	84.9	83.5	85.6	87 ?
11	88.5	92	94.7	96.9	92.8	90.1	84.7	85.1	81.4	68.4	59.9	49.1	45.4	42.7	40.9	40.9	47.2	65	71	75.8	84.3	88.7	90.1	90.8	73.6
12	91.1	91.9	90.3	89.6	87.8	86.2	75.3	92.3	98.4	101.9	104.6	104.9 ?	104.6	104.9	104.9 ?	104.6	104.1	104.4	104.9 ?	104	103	102.9	103.2	103.8	98.5
13	104.1	104.5	?	?	?	?	?	?	?	?	95.3	81.1	71	58.5	56.1	52.3	52.2	57.8	64.2	64.8	62.5	66.8	73	76.9	71.3 ?
14	82.7	85.6	85.4	85.1	82.2	82.4	82.1	80.7	83.2	80.2	72	63.1	57.9	56.7	66.2	76.5	89.5	97.6	102.4	104.2	104.8	?	?	?	81.9 ?
15	?	?	?	104.9 ?	104.8	104.4	102	87.5	73.3	81.1	75.4	74.3	73.4	74.3	73.6	79	87.9	94.3	100.6	103.5	103.1	102.1	101.8	101.6	90.6 ?
16	102.7	103.9 ?	?	?	?	?	104.8 ?	102.2	93.6	83.2	79.9	77.7	76.5	77.3	75.8	76.1	78.1	80.5	80.9	82.5	85	84.5	86.6	91.1	86.2 ?
17	93.8	94.7	95.9	96.5	95.6	95.1	95.4	100.6	101.3	102.7	104	104.9	104.9 ?	105 ?	?	104.9 ?	105 ?	104.7	104.6	104.8	104.6	104.3	103.8	101.4	?
18	102.8	101.7	100.6	101.6	100.9	99.9	99.1	96.3	90.6	81	69.1	61.4	60.2	52.8	49.1	45.4	43.8	44.5	49.5	43.6	44.1	43.5	41.8	43.1	69.4
19	50.5	52.6	54	57.3	60.4	66	67.6	64.9	61.3	54.1	50.2	42.2	37.5	33.2	31.3	31.5	32.8	36.7	40.9	45.2	48.3	49.9	50.1	54	48.9
20	57.2	58.1	59.9	62.2	61.3	62.3	66.6	64.7	58.1	54.5	50.1	44.3	41	37.2	36.1	36	41.4	52.9	56.9	58.3	65.8	68.7	69.3	72.5	55.6
21	77.3	79.6	81.3	80.6	80.5	79.9	82.1	83.5	84	85.2	82.7	77.3	72.8	55.4	35.6	33.1	37.1	41.2	44.6	47.4	52.5	54.3	58	60.8	65.3
22	62.4	66.3	70.5	74.4	76.8	77.1	75.4	72.5	65.3	60.9	57.2	52.5	48.1	46.6	43.9	49.7	64.8	70.8	72.4	73.1	78.8	82.6	85.2	88.2	67.3
23	90	79.7	80.8	84.5	85.5	84.5	87	83.1	75.3	69.7	62.9	56.8	53.3	53.7	55.8	65.8	72.2	74.9	78.4	83.4	86.5	85.7	86.2	87.8	76
24	89.9	89.7	88.9	86.9	91.3	90.8	91.6	91.4	86.8	81.8	83.5	86.1	86.7	87.2	87.6	90.5	94	95.5	92.7	86.8	84.1	85.5	88.3	96.1	88.9
25	91.6	88.1	87.8	86.2	84.3	80.9	81.4	79.2	67.8	50.4	46.9	45.2	48.3	45.2	38.7	34.1	37.5	42.5	47.5	50.8	56.1	59.6	65.5	78	62.2
26	75.5	74.6	77.3	78.7	77.5	79.4	82.3	82.2	83.5	87.6	88.8	89.2	88.7	88.4	92.2	96.8	98.4	99.1	99.2	98.3	97.3	96.7	96.2	95.6	88.5
27	95	95.6	95.1	91.4	85.4	85	88	84.7	82.4	82.6	80.9	78.5	79.5	78.4	77.4	61.1	67.6	67.5	48.4	60.2	74	83.9	86.8	83.9	79.7
28	77.7	76.3	74.9	75.2	75.9	78.7	82.4	80.3	69.5	54.4	44.8	41.2	40.4	41.1	36.9	36.4	31.6	35.1	40	43.8	51.1	52.1	59.8	61.8	56.7
29	65.7	69.9	64.9	67.3	62.6	61.6	62.2	57.9	52.7	42.7	34.5	29.1	25	26	25.5	26	28.2	31.4	34.3	42.1	51.3	56.7	58.8	57.5	47.2

Avg	86.1	85.2	83.7	85.1	84.8	85.4	86.5	85.6	82	76.4	72.4	68.4	65.7	63.4	60.6	62.9	66.2	70.9	73.8	77	79.8	80.3	81.8	84.3	77
S D	15.4	15.1	14.5	13.5	13	11.8	11.6	12.1	14.2	17	19.6	20.8	21.4	22.1	22.4	24.4	24.8	24.2	23.3	21.7	19.9	18.7	17.8	16.9	15.3
S/A	0.18	0.18	0.17	0.16	0.15	0.14	0.13	0.14	0.17	0.22	0.27	0.3	0.33	0.35	0.37	0.39	0.37	0.34	0.32	0.28	0.25	0.23	0.22	0.2	0.2
Min	50.5	52.6	54	57.3	60.4	61.6	62.2	57.9	52.7	42.7	34.5	29.1	25	26	25.5	26	28.2	30.7	34.3	42.1	44.1	43.5	41.8	43.1	47.2
Max	105	105	104.5	104.9	104.8	104.4	104.8	102.3	103.5	102.7	104.6	104.9	104.9	105	104.9	104.9	105	104.7	104.9	104.8	104.8	104.6	104.9	104.7	101.4
n	325	309	300	309	312	312	314	324	333	336	346	344	342	338	333	340	339	347	343	348	346	336	335	336	7947

Data Recovery: 0.0% missing; 4.8% failed QC -- 8352 total measurements.

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 0.10 %/mV Calibration Date: 01/1999

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Dry Bulb Temperature (CR10)
Hourly and Daily Averages
Instrument: CSI
Degrees Celsius

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	-5.7	-5.9	-6.1	-5.9	-5.5	-5.6	-5.8	-6.1	-4.7	-2.1	0.1	2.6	4	4.9	5.3	5.4	5.2	3.5	0.5	-1.5	-2.9	-3.6	-3.9	-4.2	-1.6
2	-4.5	-4.8	-5.1	-5.1	-5.1	-5.2	-5.3	-5	-3	0.4	3.8	6.9	9	10.2	10.6	10.2	9.1	6.9	3.9	2.4	1.8	1.5	1.4	1.8	1.5
3	2.4	2.9	3.9	5.1	6.2	7.1	7.7	8.5	9.6	10.6	11.6	12.4	14.1	14.7	13.7	13.1	12.2	10.9	8.7	7.1	6.1	5.6	5.3	4.8	8.5
4	4.3	4	3.4	2.8	2.1	1.3	0.5	0	1.4	4.1	6.7	8.6	10.5	11.5	11.7	11.9	11.2	8.9	5.4	3.1	1.5	0.8	0.3	-0.9	4.8
5	-1.3	-1.4	-1.5	-1.6	-1.8	-1.9	-1.9	-2	-0.2	2.9	5.7	7.2	9.3	10.6	10.3	9.3	7.4	5.6	4.3	3.7	3.8	4.4	5.2	5.9	3.4
6	6.8	7.6	8	8.5	9.2	9.4	9.2	10.1	11.1	13.1	17.2	20.4	22.4	23.1	23	21.2	20.3	20.1	19.4	18.4	17.9	17.6	17.5	17.6	15.4
7	17.8	17.9	18.1	18.1	17.7	16	13.9	12	11.4	12.6	13.8	15.1	15.7	15.6	15.2	14.7	13.9	12.5	9.6	7.9	7.6	7.1	5.7	4.5	13.1
8	4.1	3.8	3.2	1.8	0.7	-0.5	-1.5	-2	-0.2	2	3.8	5.3	6.7	7.7	7.9	7.9	7.8	6.7	3.3	1	-0.4	-1.5	-2.2	-2.4	2.6
9	-2.2	-2.2	-2.2	-2.4	-2.9	-3.5	-3.9	-3.2	-0.4	3.5	6.4	7	7.5	8.8	9.9	10.2	9.9	9.2	8.7	8.1	7.6	7.4	7.6	7.7	4
10	7.1	6.6	6.5	6.5	6.5	6.4	6.1	5.5	5.4	5.8	6.5	7.4	8.4	9.7	10.6	10.9	10.7	10	9	8.7	8.9	8.8	8.8	8.7	7.9
11	8.1	7.3	6.6	6.2	5.8	5.5	5	4.6	4.7	5.9	7.5	9	10.5	11.5	12.1	12	11.3	9.5	6.8	5.2	4.3	3.9	3.5	3.5	7.1
12	3.6	3.9	4.1	4.1	4.3	4.5	4.8	4.8	3.9	3.2	2.2	2	2.4	2.6	2.9	3.2	3.4	3.4	3.2	3.1	3	3	3	2.9	3.4
13	2.7	2.7	2.6	2.3	1.8	1.3	1	0.6	0.5	1.8	5.1	8.9	12	14.4	15.1	14.7	14.3	13	10.3	8.2	7.1	6.1	4.8	3.8	6.5
14	3.5	3.4	3.3	3.6	3.8	4.3	5	5.6	6.2	6.8	8.1	9.6	11.6	12.4	12.2	11.7	10.8	9.2	8	7.6	7.4	7.2	7.1	6.9	7.3
15	6.8	6.7	6.6	6.6	6.5	6.4	6.4	6.4	6.6	7.6	8	8	7.6	7.3	6.7	5.9	5.4	4.2	3	2.1	1.5	1.1	0.7	0.4	5.4
16	0	-0.4	-0.8	-1.3	-2	-2.6	-2.7	-2.6	-1.8	-0.2	1.4	2.9	4.1	4.6	4.6	4.3	3.9	2.6	1.1	-0.2	-1.2	-1.7	-1.6	-1.8	0.4
17	-1.6	-1.4	-1	-0.8	0.2	0.9	1.3	1.4	1.4	1.8	2.5	3.2	3.8	4.2	4.3	4.1	3.6	3.1	2.7	2.8	2.9	2.9	2.8	2.5	2
18	2.3	2.2	2.2	2.3	2.2	2.1	1.9	1.8	2.4	3.4	5	6.3	7.3	8.3	8.9	9.2	9.4	9	6.9	4.9	3.5	2.3	1.9	1.5	4.5
19	0.9	0.1	-0.4	-0.6	-0.5	0.2	0.8	1.4	2.7	5.4	8	10.8	13.5	15.3	16.9	17.9	18	17.1	14.4	12.1	10.2	8.6	7.6	6.8	7.8
20	6.3	5.7	5.6	5.1	4.8	4.7	4.3	4.5	7.2	11.3	14.8	17.3	19.3	20.5	21.2	21.1	20.4	18	15.5	13.8	12.5	11.6	11.6	11.7	12
21	11.4	11	11.2	11.5	11.9	12.4	12.8	13	13.6	14.2	15.2	17.2	18.4	18.7	20.1	20.2	19.2	17.6	14.8	12.3	10.3	8.8	8.1	7.3	13.8
22	6.3	5.3	4.1	2.9	1.8	1.1	0.6	1.2	3.9	7.2	9.2	11.1	13.2	14.4	15	14.9	13.6	11.2	8	5.6	4.2	3	1.8	0.9	6.7
23	0.4	0.4	0.8	0.5	-0.3	-0.5	-0.8	-0.5	2.3	5.5	8.3	11	12.8	14.3	14.2	13.1	10.8	8.6	7.1	6.1	5.4	5.1	5	5	5.6
24	5	5.5	5.6	5.8	5.7	5.6	5.9	6.2	6.7	7.8	8.7	9.1	9.5	9.8	10	9.8	9.4	8.9	8.1	7.4	7	6.5	6	5.8	7.3
25	5.5	4.9	4.3	4	3.7	3.3	2.2	1.3	1.5	2.9	4.5	5.9	7.3	7.9	8.2	8.4	8.5	7.4	5.1	2.6	1.1	0.2	-0.1	0.3	4.2
26	0.2	-0.1	-0.6	-1.2	-1.2	0	1.2	2	2.7	3.3	4	4.4	4.6	4.8	4.6	3.9	3.4	3.2	3.1	3.1	3.2	3.3	3.5	3.6	2.5
27	3.9	4	4.1	4.1	4	4.1	4.2	4.5	4.9	5.3	5.9	6.5	7	7.2	7	6.5	5.8	4.9	3.7	2.5	1.5	0.6	-0.1	-0.6	4.2
28	-0.7	-1	-1.4	-1.4	-0.8	-0.3	-0.3	0.2	2.5	5.3	8	10.4	12.1	13	13.6	13.8	13.7	13	10.3	6.9	4.2	2.4	1.1	0	5.2
29	-0.5	-0.7	-0.8	-0.9	-0.4	0	0.2	1.1	4.1	8	12.1	15.5	17.7	18.9	19.7	20	19	16.9	15	13.2	11.8	11	10.4	9.9	9.2

Avg	3.2	3	2.9	2.8	2.7	2.6	2.5	2.6	3.7	5.5	7.4	9	10.4	11.3	11.6	11.4	10.7	9.5	7.6	6.1	5.2	4.6	4.2	3.9	6
S D	4.8	4.8	4.9	5	5	4.9	4.8	4.7	4.3	4	4.2	4.7	5	5.2	5.3	5.3	5.1	5	4.7	4.6	4.5	4.5	4.6	4.6	4
S/A	1.5	1.59	1.67	1.79	1.84	1.85	1.9	1.81	1.17	0.73	0.58	0.52	0.48	0.46	0.46	0.46	0.48	0.52	0.62	0.74	0.87	0.98	1.08	1.18	0.66
Min	-5.7	-5.9	-6.1	-5.9	-5.5	-5.6	-5.8	-6.1	-4.7	-2.1	0.1	2	2.4	2.6	2.9	3.2	3.4	2.6	0.5	-1.5	-2.9	-3.6	-3.9	-4.2	-1.6
Max	17.8	17.9	18.1	18.1	17.7	16	13.9	13	13.6	14.2	17.2	20.4	22.4	23.1	23	21.2	20.4	20.1	19.4	18.4	17.9	17.6	17.5	17.6	15.4
n	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	8352

Data Recovery: 0.0% missing; 0.0% failed QC -- 8352 total measurements.

Instrument: CSI Serial Number: Internal Temp Calibration Factor: N/A Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Wind Speed
Hourly and Daily Averages
Instrument: NRG MAX-40
Meters per Second

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	0.3	0.9	2.5	2.5	2.4	2.1	1.4	2.8	2.9	2.6	3	3.1	3.1	3.1	2.4	2.5	1.4	1.4	1.1	1.1	1.7	1.6	1.6	2
2	1.4	1.2	1.8	1.9	1.5	1.2	1.4	1.7	1.8	2.1	2.3	3.1	3.1	2.9	3.5	3.6	2.7	2.1	2.1	1.9	1.9	1.8	2.1	1.6	2.1
3	1.9	2.3	1.8	1.5	2.7	3.2	3.5	4.8	5.4	4.8	5	5.3	5.3	4.4	5.7	5.1	4.9	2.8	1.6	1.5	1.5	2.2	2	2.1	3.4
4	2.3	2.3	1.7	1.6	1.1	0.5	0.1	0.6	1.1	2.8	2.8	3.1	2.6	1.7	1.8	2.3	2.1	1.6	0.4	0	0	0.5	0	0.2	1.4
5	0.5	1.2	1.1	0.7	1.5	1.8	1.2	1	1.3	2.1	2.8	3.2	3.3	4	4.1	3.5	3.7	4	3.5	3.1	3.6	3.1	3.4	3.3	2.5
6	1.6	2	1.2	1.5	1.5	1.3	1.7	2	2	3.7	4.7	5.1	5.6	5.6	5.3	6.9	6.9	6.3	6.7	5.1	5.3	5.3	4.9	4	4
7	3.8	3.8	3.5	3.7	5.3	3.7	3.9	3	2.7	3.7	3.7	4.4	5.1	5	4.9	4.4	3.4	2.9	2.7	3.2	3.9	2.6	2.7	2.4	3.7
8	1.7	3.4	3.2	3	2.1	1.7	1	2.2	3.8	5.2	5	4.3	3.2	3.6	3.1	1.5	0.9	0.1	1.2	1.5	1.1	0.6	0.7	1.4	2.3
9	0.9	1	0.6	0.3	0.1	0	0.5	0.6	0.5	1.6	1.2	1.4	2.6	2.8	2.5	2.4	1.4	0.3	0.3	0.3	0.2	0	0.6	0.6	1
10	0.1	0.1	0.5	0.8	1.1	1.8	1.3	1.8	2.2	2.7	1.5	1.9	1.6	2.4	2.7	2.5	1.8	1	1.1	1.7	2.8	2.9	2.9	2.5	1.8
11	1.7	1.6	1.7	1.3	1.8	1.4	1.3	1	1.1	1.6	1.9	2.2	1.8	1.7	1.7	1.3	1.7	2.7	2.1	1.7	1.4	1.4	1.1	1.3	1.6
12	1.4	1.1	0.7	0.4	1	1	2	1.5	2	2.7	1	1.4	2.1	1.7	1.6	1.7	1.9	1.9	1.6	2	1.2	0.6	0.8	1.1	1.4
13	0.6	0.5	0.5	0.7	0.2	0	0.3	1	1.8	1.9	1.8	2.5	1.9	1.9	3.2	3.4	2.8	1.9	0.9	1	0.9	0.3	0.2	0.8	1.3
14	1	1	0.9	1.2	1.6	1.9	2.1	2.3	1.5	2.3	3.1	2.4	2.9	3.4	3.7	2.8	2.7	2.9	1.4	1.5	0.8	0	0.5	0.3	1.8
15	0	0	0.1	0	0	0	1	3.4	4	5.5	5.6	6.3	6.2	6	6.4	6.4	6.5	6.8	5.3	5.2	6.6	7.2	6.8	6.5	4.3
16	5.6	4.5	5.1	6.1	4.7	4.1	4.8	4.6	5.2	6	5.4	4.8	4.2	4.5	4.8	4.3	3.7	3.1	2.7	3.3	2.6	2.7	3	2.3	4.3
17	2.5	1.7	1.8	2.6	2.4	2.6	2.3	2.7	3.1	2.4	1.4	2.6	3.5	3.2	3.6	4.2	4.8	4.8	4	4.3	4.6	4.9	5.3	4.7	3.3
18	5.1	5.2	5	4.5	4.3	4.1	5.2	4.9	4.8	5.6	6.2	5.5	4.7	4.4	4.6	4.7	4.1	3.1	2.6	2	1.2	1.8	1.9	0.8	4
19	1.3	1.3	1.9	1.9	2.4	2.2	2.4	2.2	3.2	3.3	4.1	4.5	4.1	4.4	3.9	4.1	3	1.4	0.5	0.8	0.4	0.5	0.5	0.9	2.3
20	0.8	1.3	0.9	0.8	1.4	0.9	1.1	1	0.9	1.5	2.9	3.2	3.6	3.7	5.2	5	3.6	3.9	4.1	4.1	3.7	4.4	5	4.9	2.8
21	4	4.1	3.9	4.5	4.3	4.2	3.8	4.6	5.5	4.6	6.3	5.9	5.9	6	6.4	6.3	5.4	4.4	3.3	2.5	1.7	2.8	2.4	2.7	4.4
22	2.2	1.8	1.3	1	0.9	0.7	1.6	0.8	2.2	3.1	3.5	2.4	2	2	1.9	2.7	3.5	2.6	2.1	1.6	0.9	0.3	0	0	1.7
23	0.4	1.5	0.9	0.5	1.1	0.7	0.7	1	2.1	2.2	1.6	1.9	1.5	1.8	1.4	2.3	3.1	2.5	2.4	2.6	1.9	1.3	1.3	1.7	1.6
24	1.9	1.6	1.3	0.7	0.9	1.6	1.7	1.7	1.6	3	1.8	0.5	0	0.7	1.6	1.3	1.7	2.4	2.8	2.8	2.5	3.5	4.2	4.6	1.9
25	5.1	5.8	6.2	5.3	5.2	4.6	4.4	3.7	4.2	5.5	4.9	5.1	5.4	4.9	4.6	5	4.5	3.9	3.4	1.9	1.9	1.2	2.7	2.5	4.2
26	2.1	1.9	1.8	1.3	3.1	3.6	3.9	4.1	4.7	4.6	4.3	4.8	5.3	5.1	5.3	5.4	5	4.8	5.3	5.9	6.1	6.1	5.8	6.7	4.5
27	7.5	6.1	6.3	6.9	6.4	6.6	6.2	6.8	6.5	6.5	7.3	7.2	7.1	6.9	7.1	6.8	5.8	4.4	4.1	3.6	2.7	2.3	2.2	2.5	5.7
28	1.7	1.6	1.8	2.5	2.9	2.7	2.7	2.2	3.3	3.6	3.4	3.2	3.8	3.1	2.7	2.6	2.6	1.5	0.3	0	0	0.1	0.2	0.3	2
29	0.6	0.7	0.3	1.2	1.5	2	1.7	1.6	2.2	2.6	2.4	3.2	3.9	4.1	4.1	3.8	2.8	2	1.3	1.5	1.7	2.1	1.7	2.1	2.1

Avg	2.1	2.1	2	2.1	2.3	2.2	2.3	2.4	2.9	3.4	3.5	3.6	3.6	3.6	3.8	3.7	3.4	2.9	2.5	2.3	2.2	2.2	2.3	2.3	2.7
SD	1.8	1.7	1.7	1.8	1.7	1.6	1.6	1.6	1.6	1.5	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6	1.6	1.5	1.8	1.9	1.9	1.8	1.2
S/A	0.89	0.79	0.86	0.86	0.74	0.73	0.69	0.65	0.55	0.42	0.5	0.46	0.46	0.43	0.42	0.44	0.45	0.56	0.66	0.65	0.79	0.85	0.82	0.79	0.45
Min	0	0	0.1	0	0	0	0.1	0.6	0.5	1.5	1	0.5	0	0.7	1.4	1.3	0.9	0.1	0.3	0	0	0	0	1	
Max	7.5	6.1	6.3	6.9	6.4	6.6	6.2	6.8	6.5	6.5	7.3	7.2	7.1	6.9	7.1	6.9	6.9	6.8	6.7	5.9	6.6	7.2	6.8	6.7	5.7
n	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	8352

Data Recovery: 0.0% missing; 0.0% failed QC -- 8352 total measurements.

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Wind Direction
Hourly and Daily Averages
Instrument: NRG Vane
Degrees from North

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	343	2	358	356	356	352	358	0	10	13	353	5	5	6	26	28	33	23	31	39	30	9	355	351	9
2	359	345	345	348	358	7	342	351	8	18	29	56	61	56	63	54	36	31	48	46	40	44	56	58	34
3	63	70	63	61	71	72	97	107	118	127	149	149	177	257	260	268	264	262	240	233	244	237	238	250	174
4	263	275	273	272	278	287	319	259	314	3	13	7	30	19	40	61	67	64	69	70	55	18	0	10	358
5	22	36	24	11	19	22	28	354	37	57	58	61	61	59	49	37	36	45	47	60	76	75	81	78	52
6	86	92	79	82	93	86	116	111	113	165	186	187	181	179	179	178	176	179	180	180	184	187	188	188	171
7	188	185	196	196	259	272	282	279	284	285	279	279	269	262	263	267	275	287	280	274	301	291	282	355	266
8	333	306	297	298	299	290	294	303	313	322	337	344	353	358	359	310	289	324	68	84	125	143	131	143	328
9	155	161	157	146	169	177	138	158	211	178	171	146	130	129	156	159	149	178	88	83	96	242	225	264	153
10	259	292	267	271	273	279	263	259	263	263	260	262	253	249	249	233	215	212	212	223	226	229	232	228	245
11	251	258	257	273	287	292	295	281	279	289	294	303	291	305	306	323	27	68	75	92	88	87	98	82	314
12	91	73	85	73	71	90	27	45	74	96	71	30	3	38	30	17	5	21	20	0	351	348	337	329	36
13	328	310	311	294	279	285	269	261	256	266	269	269	270	274	253	258	258	259	227	226	231	217	207	204	261
14	199	203	213	212	220	227	230	227	213	222	231	233	215	226	229	225	227	229	195	230	241	241	240	229	224
15	0	239	276	292	345	307	338	359	26	34	32	37	36	33	41	41	43	40	11	23	25	26	22	27	30
16	40	40	40	40	40	40	40	40	39	344	357	351	352	344	349	353	25	1	342	354	357	356	358	0	14
17	2	349	13	23	351	345	342	349	2	28	10	12	13	2	355	341	346	352	3	10	3	339	348	333	356
18	330	342	333	336	331	331	330	330	326	328	333	336	318	322	315	313	302	298	290	300	294	303	301	287	323
19	256	244	253	242	237	224	230	229	233	261	260	268	263	269	280	274	283	281	243	219	212	182	200	164	255
20	179	206	201	199	211	204	194	209	188	175	173	181	194	195	180	184	181	184	187	185	189	197	199	199	190
21	202	204	211	219	213	221	224	223	227	227	236	248	257	267	283	272	271	275	287	286	288	290	283	293	248
22	294	287	277	281	297	310	320	329	356	359	353	351	322	299	279	211	122	101	76	73	118	147	42	310	337
23	314	335	321	317	330	346	324	334	1	23	17	29	52	84	78	138	120	107	86	83	104	114	136	115	68
24	95	114	77	118	100	92	101	101	103	107	102	65	104	19	26	41	37	35	23	24	8	355	350	359	45
25	351	350	354	347	348	346	348	352	352	356	349	352	359	1	5	13	4	3	356	9	26	26	34	34	358
26	27	2	5	13	41	41	38	41	43	36	27	28	36	25	18	29	34	41	38	40	40	36	24	28	32
27	30	26	22	27	23	24	24	28	30	27	26	24	21	23	25	26	24	18	7	354	357	353	336	348	21
28	334	318	323	330	343	335	333	328	350	4	356	358	356	6	15	359	359	14	14	64	65	266	222	245	349
29	230	237	228	255	259	273	263	263	257	252	238	241	231	227	218	214	215	214	201	189	195	197	207	214	229
Avg	360	345	341	341	338	345	346	348	356	354	342	345	341	333	332	325	355	10	17	21	19	356	346	1	347
n	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	8352

Data Recovery: 0.0% missing; 0.0% failed QC -- 8352 total measurements.

Instrument: NRG Vane Serial Number: 0 Calibration Factor: 0.1408 deg/mV Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Peak Wind Speed (1-Minute Gust)
Hourly and Daily Averages
Instrument: NRG MAX-40
Meters per Second

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	0.2	0.9	1.3	3.7	4	3.7	3.4	2.5	4.3	4.7	4.3	5	5.1	4.7	4.7	3.9	3.8	2.6	2.4	1.9	2.1	2.8	2.8	2.7	3.2
2	2.4	2	2.6	2.7	2.4	2.1	2.2	2.5	2.9	3.2	3.7	4.8	4.6	4.5	5.1	5.5	4.2	3.3	3.2	2.8	2.9	2.6	3.1	2.8	3.3
3	2.8	3.6	3	2.5	4.1	4.6	5.2	7	7.6	7.1	7.6	8.2	8.2	7	9	8.3	8.1	4.8	2.6	2.4	2.8	3.7	3.1	3.3	5.3
4	4	4.2	3.6	3	2.4	1.3	0.4	1.3	2.4	4.5	4.6	4.8	4.3	3.3	3.2	3.6	3.5	2.9	1.1	0.1	0.3	1.1	0	0.4	2.5
5	1.2	1.8	1.9	1.4	2.5	2.9	2.1	1.7	2.4	3.5	4	4.8	5.1	6	5.9	4.9	5.4	5.9	5.5	4.7	5.1	4.9	5	4.9	3.9
6	2.8	3.1	2.2	2.5	2.6	2	2.4	2.7	3.1	5.5	7.4	7.9	9	8.7	8	10	10.3	9.5	9.7	7.5	8.5	8.2	7.4	6.3	6.1
7	6.3	6.4	5.5	5.7	9.1	6.7	6.8	6.3	5.4	6.7	6.4	7.9	8.6	8.4	7.8	7.5	6.1	5	5	5.6	7.2	4.9	4.9	3.9	6.4
8	3.4	6.4	5.9	5.4	4.2	3.4	2.6	4.4	7.3	8.4	8.5	7.5	5.6	6.1	5.2	3.2	2.4	0.7	2.2	2.4	2	1.4	1.4	2	4.2
9	1.5	1.6	1.1	0.6	0.6	0.3	0.9	1.2	1.3	2.7	2.1	2.3	3.8	4	3.9	3.7	2.3	0.7	0.7	1	0.6	0.2	1.2	1.6	1.7
10	0.5	0.6	1.4	2	2.9	3.8	3	3	4.1	4.7	3.1	3.4	3.2	4	4	4.1	2.9	1.9	1.9	2.6	4	4.3	4.3	3.7	3.1
11	2.6	2.6	2.6	2.4	3.5	3	2.7	2.1	2.4	3.5	3.8	4.6	3.6	3.6	3.7	3.2	3.2	4.2	3.2	2.8	2.4	2.2	1.9	2.2	3
12	2.3	1.9	1.5	1	1.8	1.9	3.6	2.7	3.4	4	2	2.8	3.6	3.5	3.4	3.6	4	3.7	3.4	3.9	2.5	1.8	2.2	2.6	2.8
13	1.8	1.9	1.6	2.2	0.9	0.2	1.1	2.5	3.3	3.8	3.9	4.6	3.8	4.1	5.1	5.7	4.9	3.1	1.4	1.8	1.7	0.9	0.7	1.5	2.6
14	1.8	1.7	1.7	1.9	2.6	3	2.8	3.2	2.4	3.6	4.5	3.7	4.4	4.9	5.6	4.4	3.8	4.1	2.5	2.8	1.8	0.3	1.5	0.8	2.9
15	0	0.3	0.7	0.3	0	0.1	2.1	5.3	6.7	8.7	8.7	9.5	9.5	9.2	9.8	9.9	10	10.8	8.5	8.8	10.7	11.7	11.2	10.5	6.8
16	9.3	7.3	8.2	9.1	7.2	6.8	7.4	7.1	8.1	9.4	8.4	7.7	6.5	6.9	7.4	6.7	5.9	4.8	4.4	5.3	4.1	4.1	4.5	3.7	6.7
17	4	2.9	3	4.1	3.6	4.1	3.7	4.5	5	4.3	3.2	4.8	5.6	5.2	5.8	6.7	7.8	7.5	6.7	7	7.5	7.4	8.7	7.6	5.4
18	8.5	8.3	8.2	7.5	7.6	7.2	8.4	8.2	8.2	9	9.6	8.8	7.6	8	7.8	8.1	7.5	5.4	4.4	3.4	2.3	3.1	3.5	1.6	6.8
19	1.9	1.9	2.5	2.7	3.1	3.1	3.3	3.1	4.6	5.1	6.2	7.4	7	7.2	7	6.8	5.8	2.6	1	1.2	0.8	0.9	0.9	1.3	3.6
20	1.3	1.7	1.4	1.5	2	1.4	1.8	1.7	1.8	2.6	4.1	5	5.7	5.6	8.1	7.5	5.9	6.2	6.3	6.4	5.4	6.5	7.3	7.2	4.3
21	6	6	5.9	6.6	6.6	6.3	5.6	7	8	7	8.7	9	9.2	9.9	11.4	10.8	8.9	7.8	5.9	4.2	3	4.9	4.4	4.7	7
22	3.9	3.2	2.1	1.7	1.6	1.3	2.4	1.8	3.8	4.9	5.6	4.2	3.7	3.7	3.9	4.5	5.1	4	3.2	2.5	1.5	0.6	0.1	0.3	2.9
23	0.8	2.1	1.5	1.1	1.6	1.3	1.3	2	3.2	3.6	2.9	3.3	2.9	3.1	2.4	3.5	4.6	3.7	3.6	4	2.8	2.3	2.1	2.7	2.6
24	2.9	2.4	2.1	1.4	1.6	2.7	2.8	2.5	2.6	4.3	2.7	1.1	0.1	1.3	2.7	2.1	2.8	3.7	4.5	4.6	4.2	5.4	6.1	7.5	3.1
25	7.8	9.5	9.2	8.4	8.4	7.4	6.6	6	6.8	8.6	7.8	8	8.4	7.7	7.7	7.9	7.1	6.3	5.1	3.1	3.1	2.3	4.4	4	6.7
26	3.6	3.2	2.8	2.3	4.6	5.2	5.9	6.3	7.3	7.4	7	7.8	8.4	8	8.2	8.3	7.9	7.9	8.7	8.9	9.3	9.3	9.4	10.8	7
27	11.3	9.7	10.2	11.5	10.5	10.4	9.7	10.8	10.1	10.2	11	11.6	11.4	10.9	10.5	10.7	9.3	7	6.5	5.5	4	3.5	3.3	3.5	8.9
28	2.8	2.7	3	4	4.5	4.3	4	3.6	5.4	5.4	5.2	5.1	5.9	5	4.4	4.2	4.1	2.5	0.7	0	0.2	0.2	0.4	0.7	3.3
29	0.8	1	0.7	1.6	1.9	2.6	2.1	2.1	3.1	3.8	3.7	5	6	5.9	6.2	5.9	4.4	3	2	2.5	2.4	3	2.5	3	3.1

Avg	3.4	3.5	3.4	3.5	3.7	3.5	3.7	4	4.7	5.5	5.5	5.9	5.9	5.9	6.1	6	5.6	4.7	4	3.8	3.6	3.6	3.7	3.7	4.5
SD	2.8	2.6	2.7	2.8	2.7	2.5	2.3	2.4	2.4	2.2	2.5	2.5	2.3	2.4	2.4	2.5	2.3	2.5	2.5	2.3	2.7	2.9	2.9	2.8	1.9
S/A	0.83	0.76	0.79	0.8	0.71	0.7	0.64	0.61	0.5	0.4	0.44	0.42	0.43	0.39	0.39	0.41	0.42	0.53	0.61	0.62	0.75	0.79	0.77	0.75	0.43
Min	0	0.3	0.7	0.3	0	0.1	0.4	1.2	1.3	2.6	2	1.1	0.1	1.3	2.4	2.1	2.3	0.7	0.7	0	0.2	0.2	0	0.3	1.7
Max	11.3	9.7	10.2	11.5	10.5	10.4	9.7	10.8	10.1	10.2	11	11.6	11.4	10.9	11.4	10.8	10.3	10.8	9.7	8.9	10.7	11.7	11.2	10.8	8.9
n	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	8352

Data Recovery: 0.0% missing; 0.0% failed QC -- 8352 total measurements.

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

February 2004

Station Pressure
Hourly and Daily Averages
Instrument: Viasala PTA-427
Millibars

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	1022	1022	1023	1022	1023	1023	1023	1024	1025	1026	1027	1027	1026	1026	1025	1026	1026	1027	1027	1027	1028	1028	1028	1028	1025	
2	1028	1028	1028	1028	1028	1028	1028	1029	1029	1030	1030	1029	1028	1028	1028	1027	1027	1027	1026	1026	1025	1024	1024	1024	1023	1027
3	1022	1021	1020	1020	1019	1016	1015	1015	1014	1013	1012	1012	1010	1010	1010	1011	1012	1013	1014	1015	1016	1017	1017	1017	1015	
4	1018	1018	1019	1019	1020	1020	1021	1023	1024	1024	1025	1026	1025	1025	1025	1026	1027	1028	1029	1029	1029	1029	1030	1031	1024	
5	1031	1030	1030	1031	1030	1030	1031	1032	1032	1033	1033	1032	1031	1031	1031	1031	1031	1031	1030	1029	1028	1027	1026	1026	1030	
6	1026	1024	1023	1022	1021	1020	1020	1019	1019	1018	1017	1016	1014	1013	1012	1010	1009	1008	1008	1007	1006	1005	1004	1003	1014	
7	1002	1001	1000	1000	1001	1002	1003	1004	1005	1006	1007	1006	1006	1006	1006	1006	1007	1008	1009	1010	1011	1012	1013	1014	1006	
8	1015	1016	1017	1018	1020	1022	1024	1026	1027	1029	1030	1030	1030	1030	1030	1031	1032	1032	1033	1033	1033	1034	1034	1034	1027	
9	1033	1033	1033	1033	1033	1033	1033	1033	1033	1033	1032	1032	1030	1028	1027	1026	1026	1026	1026	1025	1024	1023	1023	1022	1029	
10	1022	1021	1020	1019	1019	1019	1019	1018	1019	1019	1019	1019	1018	1017	1016	1015	1014	1014	1014	1015	1015	1015	1015	1014	1017	
11	1015	1015	1015	1015	1016	1017	1017	1018	1019	1020	1020	1020	1020	1019	1019	1020	1020	1020	1021	1022	1022	1022	1022	1022	1019	
12	1022	1022	1022	1022	1022	1022	1022	1023	1023	1022	1022	1021	1020	1019	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1020	
13	1018	1019	1018	1018	1018	1018	1018	1019	1020	1020	1020	1020	1019	1018	1018	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	
14	1018	1017	1017	1016	1016	1016	1016	1017	1017	1017	1016	1015	1014	1013	1013	1014	1014	1014	1014	1014	1013	1013	1013	1012	1015	
15	1012	1012	1012	1012	1012	1012	1012	1013	1014	1015	1016	1016	1016	1015	1015	1014	1014	1013	1016	1016	1016	1016	1016	1016	1014	
16	1017	1019	1020	1021	1022	1023	1023	1025	1026	1027	1028	1029	1029	1029	1029	1029	1030	1031	1031	1031	1032	1032	1032	1032	1027	
17	1031	1031	1030	1029	1029	1029	1029	1029	1029	1029	1029	1028	1027	1026	1024	1024	1024	1023	1023	1022	1021	1021	1021	1020	1026	
18	1020	1019	1018	1018	1018	1018	1018	1018	1019	1019	1018	1018	1018	1017	1016	1016	1016	1016	1016	1016	1016	1017	1017	1016	1017	
19	1016	1015	1016	1016	1016	1016	1016	1016	1016	1015	1015	1014	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1014	
20	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013	1012	1011	1010	1009	1007	1006	1005	1005	1005	1005	1005	1005	1004	1004	1009	
21	1004	1003	1003	1002	1002	1002	1002	1002	1002	1002	1002	1002	1001	1001	1002	1003	1004	1005	1007	1008	1009	1010	1011	1012	1004	
22	1012	1013	1013	1014	1015	1015	1016	1017	1018	1019	1019	1019	1019	1018	1018	1018	1018	1019	1019	1020	1020	1021	1021	1022	1018	
23	1022	1022	1022	1022	1022	1022	1022	1023	1023	1024	1024	1023	1022	1021	1021	1021	1021	1021	1020	1020	1020	1020	1020	1019	1021	
24	1018	1018	1017	1016	1016	1015	1015	1014	1014	1014	1013	1013	1012	1011	1010	1010	1010	1009	1010	1011	1012	1012	1012	1012	1013	
25	1012	1013	1014	1014	1015	1016	1016	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1020	1021	1021	1021	1021	1018	
26	1021	1021	1020	1020	1020	1021	1021	1022	1021	1021	1022	1021	1020	1020	1020	1020	1019	1019	1018	1018	1017	1017	1016	1016	1020	
27	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1019	1019	1020	1021	1021	1022	1022	1022	1018	
28	1022	1022	1021	1021	1022	1023	1024	1024	1025	1025	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1027	1027	1027	1025	
29	1027	1027	1026	1026	1026	1027	1027	1027	1027	1027	1027	1027	1026	1025	1025	1024	1024	1024	1024	1024	1024	1025	1025	1024	1026	

Avg	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1021	1020	1020	1019	1019	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019
S/D	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7
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	
Min	1002	1001	1000	1000	1001	1002	1002	1002	1002	1002	1002	1002	1001	1001	1002	1003	1004	1005	1005	1005	1005	1005	1004	1003	1004
Max	1033	1033	1033	1033	1033	1033	1033	1033	1033	1033	1033	1033	1032	1031	1031	1031	1032	1032	1033	1033	1033	1034	1034	1034	1030
n	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	8352

Data Recovery: 0.0% missing; 0.0% failed QC -- 8352 total measurements.

Instrument: Viasala PTA-427 Serial Number: 493926 Calibration Factor: 0.104 mBar/mV + 800 mBar Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL