

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

December 2003

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	2	52	?	?	?	?	?	?	?	112 ?	45	0	0	0	0	0	0	0	211 ?
2	0	0	0	0	0	0	1	51	?	?	?	?	?	?	?	123 ?	47	0	0	0	0	0	0	0	222 ?
3	0	0	0	0	0	0	0	48	?	?	?	?	304 ?	?	175	89	22	0	0	0	0	0	0	0	638 ?
4	0	0	0	0	0	0	0	20	45	81	72	109	133	68	48	13 ?	3	0	0	0	0	0	0	0	592
5	0	0	0	0	0	0	0	17	69	142	133	100	79	53	37	23	4	0	0	0	0	0	0	0	659
6	0	0	0	0	0	0	0	14	32	99	161 ?	277 ?	221	158	199 ?	113 ?	41	0	0	0	0	0	0	0	1315 ?
7	0	0	0	0	0	0	0	42	?	?	?	?	?	?	?	116 ?	44	0	0	0	0	0	0	0	202 ?
8	0	0	0	0	0	0	0	41	?	?	?	?	?	?	?	118 ?	51	0	0	0	0	0	0	0	210 ?
9	0	0	0	0	0	0	0	111 ?	132 ?	?	?	?	241 ?	?	?	64 ?	24	0	0	0	0	0	0	0	572 ?
10	0	0	0	0	0	0	0	27	58	46	38 ?	71	68	106	128 ?	83	14	0	0	0	0	0	0	0	639
11	0	0	0	0	0	0	0	28	84 ?	?	?	?	?	?	?	117 ?	47	0	0	0	0	0	0	0	276 ?
12	0	0	0	0	0	0	0	32	106 ?	?	?	?	?	?	?	116 ?	29	0	0	0	0	0	0	0	285 ?
13	0	0	0	0	0	0	0	36	109 ?	?	?	?	?	?	?	88	25	0	0	0	0	0	0	0	257 ?
14	0	0	0	0	0	0	0	1	5 ?	?	?	42 ?	48 ?	100	56	20	4	0	0	0	0	0	0	0	275 ?
15	0	0	0	0	0	0	0	36	107 ?	?	?	?	?	?	?	122 ?	48	0	0	0	0	0	0	0	313 ?
16	0	0	0	0	0	0	0	51	91 ?	?	?	?	?	281	214 ?	110	27	0	0	0	0	0	0	0	774 ?
17	0	0	0	0	0	0	0	13	54	93	91	68 ?	52 ?	82	67	55	4	0	0	0	0	0	0	0	579 ?
18	0	0	0	0	0	0	0	28	121	188 ?	242	233 ?	?	325 ?	?	114 ?	42	0	0	0	0	0	0	0	1294 ?
19	0	0	0	0	0	0	0	13	55 ?	130	179	64 ?	92	144	217	122 ?	43	0	0	0	0	0	0	0	1059 ?
20	0	0	0	0	0	0	0	30	94 ?	?	?	?	?	?	?	77 ?	23	0	0	0	0	0	0	0	223 ?
21	0	0	0	0	0	0	0	31	97 ?	?	?	?	?	?	?	121 ?	48	0	0	0	0	0	0	0	297 ?
22	0	0	0	0	0	0	0	31	96 ?	?	?	?	?	?	?	116 ?	40	0	0	0	0	0	0	0	283 ?
23	0	0	0	0	0	0	0	31	112 ?	?	?	?	?	?	?	60 ?	36	0	0	0	0	0	0	0	238 ?
24	0	0	0	0	0	0	0	3	24	54	85	148	258	236	189 ?	49 ?	30	0	0	0	0	0	0	0	1076 ?
25	0	0	0	0	0	0	0	19	80	156 ?	300 ?	?	?	?	?	128 ?	54	0	0	0	0	0	0	0	736 ?
26	0	0	0	0	0	0	0	30	99 ?	?	?	?	?	?	?	127 ?	53	0	0	0	0	0	0	0	309 ?
27	0	0	0	0	0	0	0	30	99 ?	?	?	?	?	?	?	?	49	0	0	0	0	0	0	0	178 ?
28	0	0	0	0	0	0	0	37	105 ?	?	?	?	?	?	?	?	48	0	0	0	0	0	0	0	191 ?
29	0	0	0	0	0	0	0	30	103 ?	152 ?	?	?	?	?	?	?	43	0	0	0	0	0	0	0	328 ?
30	0	0	0	0	0	0	0	5	28	56	48 ?	162	298 ?	?	?	?	58	0	0	0	0	0	0	0	655 ?
31	0	0	0	0	0	0	0	27	93 ?	?	?	?	517 ?	?	?	?	56	0	0	0	0	0	0	0	693 ?
Avg	0	0	0	0	0	0	0	31	81	109	135	128	192	155	133	92	36	0	0	0	0	0	0	0	503 ?
S/D	0	0	0	0	0	0	0	20	33	48	86	78	141	94	74	36	17	0	0	0	0	0	0	0	331
S/A	0	0	0	0	0	0	4.21	0.64	0.41	0.44	0.64	0.61	0.73	0.61	0.56	0.39	0.47	0	0	0	0	0	0	0	0.66
Min	0	0	0	0	0	0	0	1	5	46	38	42	48	53	37	13	3	0	0	0	0	0	0	0	178
Max	0	0	0	0	0	0	2	111	132	188	300	277	517	325	217	128	58	0	0	0	0	0	0	0	1315
n	0	0	0	0	0	0	2	315	170	110	93	101	89	107	98	145	299	0	0	0	0	0	0	0	1542

Daylight Data Recovery: 0.0% missing; 57.2% exceed the 15% QC threshold -- 3600 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.

December 2003

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	0	0	1?
2	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	1?
3	0	0	0	0	0	0	0	2	?	?	?	?	0?	?	0	0	0	0	0	0	0	0	0	0	0	2?
4	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	0
5	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	0
6	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	0?
7	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	1?
8	0	0	0	0	0	0	0	2	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	2?
9	0	0	0	0	0	0	0	4	3?	?	?	?	0?	?	?	0?	0	0	0	0	0	0	0	0	0	7?
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0?	0	0	0	0	0	0	0	0	0	0	2
11	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	1	2?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	4?
13	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	0	2?
14	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	0
15	0	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	1?
16	0	0	0	0	0	0	0	2	2?	?	?	?	?	0	0?	0	0	0	0	0	0	0	0	0	0	5?
17	0	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
18	0	0	0	0	0	0	0	0	0	0?	0	0?	?	0?	?	0?	0	0	0	0	0	0	0	0	0	1?
19	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	0?
20	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	3?
21	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	3?
22	0	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	2?
23	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	3?
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	0?
25	0	0	0	0	0	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	1	2?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	3?
27	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	3?
28	0	0	0	0	0	0	0	2	3?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	5?
29	0	0	0	0	0	0	0	1	1	1?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	3?
30	0	0	0	0	0	0	0	0	0	0	0	0	0?	?	?	?	0	0	0	0	0	0	0	0	0	1?
31	0	0	0	0	0	0	0	2	4?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	6?
Avg	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2?
S D	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
S/A	0	0	0	0	0	0	0	0.92	1	2.77	1.78	1.71	2.47	2.15	2.45	2.41	2.99	0	0	0	0	0	0	0	0	0.86
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	0
Max	0	0	0	0	0	0	0	4	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7
n	0	0	0	0	0	0	2	323	183	122	120	113	101	110	101	153	299	0	0	0	0	0	0	0	0	1641

Daylight Data Recovery: 0.0% missing; 54.4% exceed the 15% QC threshold -- 3600 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.

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

December 2003

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	?	20	?	?	?	?	?	?	?	26 ?	13	0	0	0	0	0	0	0	59 ?
2	0	0	0	0	0	0	?	16	?	?	?	?	?	?	?	25 ?	13	0	0	0	0	0	0	0	55 ?
3	0	0	0	0	0	0	0	17	?	?	?	?	216 ?	?	164	90	22	0	0	0	0	0	0	0	510 ?
4	0	0	0	0	0	0	0	21	47	85	76	115	141	72	52	13	3	0	0	0	0	0	0	0	625
5	0	0	0	0	0	0	0	18	73	149	140	105	84	57	39	25	4	0	0	0	0	0	0	0	695
6	0	0	0	0	0	0	0	15	34	102	169 ?	239 ?	210	153	184 ?	48 ?	18	0	0	0	0	0	0	0	1171 ?
7	0	0	0	0	0	0	0	17	?	?	?	?	?	?	?	26 ?	13	0	0	0	0	0	0	0	56 ?
8	0	0	0	0	0	0	0	15	?	?	?	?	?	?	?	61 ?	21	0	0	0	0	0	0	0	97 ?
9	0	0	0	0	0	0	0	40	42 ?	?	?	?	155 ?	?	?	36 ?	20	0	0	0	0	0	0	0	292 ?
10	0	0	0	0	0	0	0	27	60	49	34	76	72	133	126 ?	79	14	0	0	0	0	0	0	0	670
11	0	0	0	0	0	0	0	28	75 ?	?	?	?	?	?	?	26 ?	14	0	0	0	0	0	0	0	143 ?
12	0	0	0	0	0	0	0	15	31 ?	?	?	?	?	?	?	37 ?	12	0	0	0	0	0	0	0	95 ?
13	0	0	0	0	0	0	0	21	48 ?	?	?	?	?	?	?	63	24	0	0	0	0	0	0	0	156 ?
14	0	0	0	0	0	0	0	1	11 ?	19 ?	26	37	44	106	59	21	4	0	0	0	0	0	0	0	328
15	0	0	0	0	0	0	0	15	28 ?	?	?	?	?	?	?	24 ?	12	0	0	0	0	0	0	0	79 ?
16	0	0	0	0	0	0	0	32	50 ?	?	?	?	?	243	173 ?	81	25	0	0	0	0	0	0	0	605 ?
17	0	0	0	0	0	0	0	13	57	98	96	61	42 ?	82	62	58	5	0	0	0	0	0	0	0	573
18	0	0	0	0	0	0	0	18	95	176 ?	234	216 ?	?	257 ?	?	28 ?	14	0	0	0	0	0	0	0	1037 ?
19	0	0	0	0	0	0	0	14	56 ?	112	172	62	86	151	192	54 ?	16	0	0	0	0	0	0	0	915 ?
20	0	0	0	0	0	0	0	16	32 ?	?	?	?	?	?	?	50 ?	18	0	0	0	0	0	0	0	116 ?
21	0	0	0	0	0	0	0	13	25 ?	?	?	?	?	?	?	23 ?	11	0	0	0	0	0	0	0	72 ?
22	0	0	0	0	0	0	0	14	26 ?	?	?	?	?	?	?	31 ?	17	0	0	0	0	0	0	0	87 ?
23	0	0	0	0	0	0	0	24	58 ?	?	?	?	?	?	?	57 ?	29	0	0	0	0	0	0	0	168 ?
24	0	0	0	0	0	0	0	4	26	57	89	150	243	221	168	46 ?	22	0	0	0	0	0	0	0	1024 ?
25	0	0	0	0	0	0	0	19	78	136 ?	266 ?	?	?	?	?	28 ?	14	0	0	0	0	0	0	0	541 ?
26	0	0	0	0	0	0	0	14	30 ?	?	?	?	?	?	?	27 ?	14	0	0	0	0	0	0	0	85 ?
27	0	0	0	0	0	0	0	12	25 ?	?	?	?	?	?	?	?	9	0	0	0	0	0	0	0	46 ?
28	0	0	0	0	0	0	0	16	30 ?	?	?	?	?	?	?	?	9	0	0	0	0	0	0	0	55 ?
29	0	0	0	0	0	0	0	18	82	123 ?	?	?	?	?	?	?	15	0	0	0	0	0	0	0	238 ?
30	0	0	0	0	0	0	0	5	30	59	37	162	274 ?	?	?	?	12	0	0	0	0	0	0	0	579 ?
31	0	0	0	0	0	0	0	12	24 ?	?	?	?	40 ?	?	?	?	13	0	0	0	0	0	0	0	88 ?
Avg	0	0	0	0	0	0	0	17	45	97	122	122	134	147	122	42	15	0	0	0	0	0	0	0	363 ?
S D	0	0	0	0	0	0	0	8	22	46	81	68	84	72	62	21	6	0	0	0	0	0	0	0	344
S/A	0	0	0	0	0	0	0	0.45	0.48	0.47	0.67	0.56	0.63	0.49	0.51	0.5	0.43	0	0	0	0	0	0	0	0.95
Min	0	0	0	0	0	0	0	1	11	19	26	37	40	57	39	13	3	0	0	0	0	0	0	0	46
Max	0	0	0	0	0	0	0	40	95	176	266	239	274	257	192	90	29	0	0	0	0	0	0	0	1171
n	0	0	0	0	0	0	0	307	179	117	118	112	99	110	101	153	299	0	0	0	0	0	0	0	1609

Daylight Data Recovery: 0.0% missing; 55.3% exceed the 15% QC threshold -- 3600 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

December 2003

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	8.6	8.4	8.2	8.1	7.5	7	6.7	6.8	8.7	11.6	13.9	15.5	16.6	17.5	17.9	18	16.4	14.4	13.2	12.2	11.9	10.4	9	7.8	11.5
2	6.5	5.5	4.5	3.1	2.6	2.1	1.7	1.7	2.6	5.4	6.9	7.5	8.3	8.7	8.9	8.8	7.9	6.3	4.5	4.5	3.3	3.3	2.8	2.5	5
3	1.8	1.8	1.9	1.2	0.6	-0.4	-1.1	-0.1	1.6	3.2	4	4.6	4.7	4.8	4.6	4.1	3.6	3.1	2.6	2.3	2.1	2.1	2.1	1.7	2.4
4	1.4	1.4	1.3	1.4	1.7	1.8	1.7	2	2.8	4.3	5.5	6.4	7.2	7.2	6.5	6	5.5	5.4	5.9	6.3	6.7	7.4	8	8.5	4.7
5	9	9.6	10.3	11.2	11.6	12.1	10.9	9.9	9.8	10	10.2	9.9	9.4	8.9	7.7	7.5	6.8	6.6	6.4	6	5.2	5	4.6	4	8.5
6	3.7	3.5	3.4	3.2	3.2	3.3	2.9	2.2	2	1.9	2.6	2.8	2.8	2.6	3.5	4	3.5	2.8	2.3	1.9	1.9	1.5	1.3	0.9	2.7
7	0.2	-0.9	-1.3	-1.4	-1.7	-1.8	-1.7	-1.1	0.7	2.8	4.5	5.8	6.4	7	7.2	7.4	6.7	5.2	4.3	3.5	3	2.4	2	1.7	2.5
8	1.2	0.7	0.1	-0.4	0	-0.4	-0.7	-0.2	1.2	2.6	4.2	5.8	6.5	7.9	8.4	8.1	7.5	5.9	4.9	4.1	3.1	2.5	1.8	1.3	3.2
9	0.7	0.3	1.1	0.6	0.6	0	0	1.3	3.9	6.1	8.2	9.5	9.4	9.8	10.3	10.1	8.5	7.2	6.7	6.2	6.1	6.1	6.1	6.1	5.2
10	5.8	6.3	6.7	6.9	7.3	7.4	7.1	7.8	9.5	10.4	11	10.8	12.2	14	17.1	17.6	18.2	17.6	16.7	15.5	14.6	13.6	14.5	14.9	11.8
11	16	15.6	15.6	13.2	11.6	11.2	11.1	10.6	9.9	10.1	10.5	11.1	12.1	12.9	13	12.9	12.2	11.2	10.7	10	8.8	7.7	6.7	5.9	11.3
12	5	4.1	3.4	2.9	1.9	1.3	1.1	1.4	3.5	5.9	7.2	8.2	8.9	9	10	9.6	8.6	7.2	6.1	5.3	5.3	5.2	5.1	4.9	5.5
13	4.5	4.1	3.5	3.4	2.9	2.4	2.4	2.3	3	3.9	4.7	4.9	4.8	4.8	4.8	3.9	3.5	3.3	2.7	3.6	4.7	5.6	6.4	6.9	4
14	7.5	8.1	9.1	9.9	9.8	10.9	11.5	12.2	12.6	13.1	13.6	13.6	14.1	14.4	13.7	11.8	9.7	7.9	6.8	5.9	4.7	4.1	3.7	3.4	9.7
15	3	3	2.7	2.8	3.2	3	2.8	2.9	4.1	5.9	7.5	8.3	9.4	10.1	10.7	10.7	10	8.4	7.8	7	6.3	5.8	5.2	3.9	6
16	3.9	3.9	3.6	3.3	3.2	3.5	3.1	3.7	5.5	8.1	10.6	12.3	13.2	12.7	13.2	13.6	12.4	11.2	11	10.9	10.2	10.3	11.3	11.6	8.6
17	12.1	12.3	13.3	15	15.5	15.9	16.7	16	16.6	16.8	17.3	17.3	16.7	14.5	13.1	12.5	11	9.5	7	6.5	5.1	3.5	2.6	2.1	12
18	1.6	1.3	0.9	0.7	0.5	0.3	0.5	0.7	1.8	2.9	3.6	4.3	6	6.7	6.9	7	6.5	5.7	5.4	5.3	5.2	4.8	4.7	4.9	3.7
19	4.6	4.6	4.4	3.8	3.4	3.2	3	3	3.6	3.9	4.7	3.2	1.7	1.4	2.1	2.6	2.2	1.2	0.6	0	-0.2	-0.2	-0.3	-0.1	2.3
20	-0.1	-0.1	0.1	-0.6	-0.9	-1.2	-1.6	-1.5	-0.2	1.1	2.7	3.5	4.4	4.6	5	4.7	4.1	2.7	1.8	1	0.8	0.4	-0.2	-1	1.2
21	-1.5	-1.8	-2.2	-2.5	-2.9	-3.1	-3.3	-3	-2	0.2	1.9	2.8	4.2	5.3	6.1	6.4	6.1	4.7	4.1	3.9	3.7	3.5	3.7	3.5	1.6
22	3.2	2.8	2.7	2.3	2.6	2.7	2.7	3.1	4.4	6	7.6	9.6	11.5	12.8	13.8	14.2	13	11	10.2	9.2	8.4	7.9	7.4	6.9	7.3
23	6.7	6.6	6.5	6.2	6.4	6.4	6.2	6.2	7.8	10.8	13.6	15.9	17.4	18.8	19.6	18.9	17.5	16.7	16.2	15.1	15.2	15.5	14.3	14	12.4
24	14.4	14.9	15	15	15.3	15.4	15.2	15.1	15.1	15.5	15.5	15.6	16.4	17.1	17.5	17.8	16.4	15.1	14.3	14.6	13.5	10	9	8.6	14.7
25	8.2	7.9	7.7	7.2	6.2	5.4	4.7	4.7	5	5.6	6.2	6.4	6.2	6.3	6.9	7.1	6.6	5.2	4.4	3.9	3.5	2.9	2.6	2.3	5.5
26	2	1.6	1	0.5	-0.3	-0.4	-0.8	-0.9	0.9	2.8	4.2	6	6.7	7.5	8.2	8.3	7.7	6.3	5.4	5	4.6	4.2	3.7	3.3	3.6
27	3	2.3	1.8	1.5	1.2	0.5	0.4	0.8	2.5	5.8	8	9.2	10.5	11.1	11.8	12.1	11.7	10	8.2	6.2	5.2	4.8	4.8	4.2	5.7
28	4.2	3.7	3.2	2.3	2.2	1.6	1	0.3	3.1	6.3	9	10.2	11.5	12.6	13	12.8	11.9	9.2	7.6	6.4	5.6	5.1	4.7	3.6	6.3
29	1.8	0.5	0.7	1.3	1.9	3.1	3.4	4.2	5.4	8.1	12.2	14.8	16	16.8	17.3	17.7	16.9	15	14.1	13.5	12.8	12.7	12.4	12.4	9.8
30	12.7	13.6	14.4	14.9	15.4	15.9	16	15.8	15.8	16.5	15.9	14	15	15.8	15.6	15	13.7	11.9	10.6	9.5	8.9	8.3	7.9	7.4	13.4
31	6.7	5.6	4.9	4.8	4.6	4	4.1	4.1	5.1	7.2	8.3	9.4	11.3	11.3	11.5	11.8	10.6	8.7	7.3	6.9	7.4	7.1	6.9	7.2	7.4
Avg	5.1	4.9	4.8	4.6	4.4	4.3	4.1	4.3	5.4	6.9	8.3	9	9.7	10.2	10.5	10.4	9.6	8.3	7.4	6.9	6.4	5.9	5.6	5.3	6.8
S D	4.3	4.6	4.8	5	5.1	5.3	5.4	5.2	4.8	4.5	4.3	4.3	4.5	4.6	4.7	4.7	4.5	4.3	4.2	4.1	4	3.8	3.8	4	3.8
S/A	0.85	0.94	1.01	1.09	1.15	1.23	1.31	1.22	0.89	0.64	0.52	0.48	0.46	0.45	0.45	0.45	0.47	0.52	0.57	0.6	0.63	0.64	0.68	0.75	0.57
Min	-1.5	-1.8	-2.2	-2.5	-2.9	-3.1	-3.3	-3	-2	0.2	1.9	2.8	1.7	1.4	2.1	2.6	2.2	1.2	0.6	0	-0.2	-0.2	-0.3	-1	1.2
Max	16	15.6	15.6	15	15.5	15.9	16.7	16	16.6	16.8	17.3	17.3	17.4	18.8	19.6	18.9	18.2	17.6	16.7	15.5	15.2	15.5	14.5	14.9	14.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

December 2003

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	58.7	60	59.5	57.4	59.7	61.2	62.4	62.9	55.8	47.8	43.3	41.5	39.3	36.3	35.6	35.1	32.6	36.7	37.7	38.6	40.6	53	46.2	43.3	47.7	
2	42.8	44.9	48.1	52.6	55.6	57.8	59.1	54.9	51.9	42.1	35.5	32.7	30.2	27.4	26.8	27.6	29.8	35.5	45.1	43.5	51.3	52.6	54.8	55.7	44.1	
3	57.8	58.7	60.5	64	66.7	71.2	75.4	70.2	64.8	63.2	56.2	51.4	46.8	44.6	48.9	55.2	59.3	60.1	61.3	61.9	63.7	63.1	61.4	62.2	60.4	
4	64.6	62.8	63.8	64.6	67	65.5	70.7	76	79.7	78.7	79.2	79.6	79.4	81.8	90.9	97.2	102.3	104.3	105 ?	?	?	?	?	105 ?	80.9 ?	
5	104.9	?	?	?	?	?	?	?	?	?	?	?	104.6 ?	104	?	?	?	?	104.8 ?	104.4	104.4 ?	103.8	104	105 ?	104.4 ?	
6	?	?	?	?	?	?	104.8 ?	103	99.7	96.2	86	80.9	78.1	79.4	74.8	70.8	70.8	71.6	75	76.1	67.7	64.5	63.2	65	79.3 ?	
7	68.6	77.6	80.4	83	86.9	91	92.3	90.5	79.9	69.8	58.3	53.1	49.8	49.6	48.5	49.3	52.8	60.1	62.5	65.4	67.3	69.2	70.7	72.2	68.7	
8	73.3	73.5	74.1	76.4	73	74.4	77	76.3	71.1	64.7	56.9	49	50.4	44.7	42.1	42.2	44.4	52.3	61.5	74	78.8	84.3	91.2	97.6	66.8	
9	98.1	100.9	103.1	104.6	104.8	101.2	98.5	91.7	90.3	79.3	56.6	53.1	48.8	42.7	39.6	44	54.5	68.1	78	86.7	88.1	89.7	88.9	92.1	79.3	
10	95.7	97.1	99.8	101.8	102.4	100.5	100.5	99.1	97.7	97.3	100.2	104.3 ?	104.7 ?	102.8	93.2	89.1	81.5	81.7	91.4	101.8	102.7	104.2 ?	?	?	97.7 ?	
11	?	103.9 ?	102.4	93.8	94.9	96	95.7	89.2	80.7	74.5	68.5	64.7	60.2	58.5	59.8	59.8	63.9	67.2	68.1	68.5	69.9	72.3	75	76.9	76.7	
12	78.7	81	83.7	85.8	90.3	93.3	94.4	92.3	82.3	72.2	69.1	67.1	62.4	63.5	58.1	60.6	66.6	77.2	83.8	86.8	86.9	88	89.1	91.3	79.4	
13	95	97.1	96.9	91.2	86.2	85.6	82.9	80.6	76.4	70.6	64.2	61.5	63.6	62.5	63.1	69.8	74.7	77.2	81.7	86.4	85.6	85.1	85.8	87.7	79.6	
14	88.2	92.5	94.5	96.3	103.9	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	104.9 ?	104.2	103.7	98.5 ?	
15	103.3	103	103.3	101.5	97.3	97.2	97.3	95.5	88.2	79	70.9	66	59.7	55.3	52.4	54.3	57.8	66.2	68.1	71.3	75.7	78.3	81.1	90.4	79.7	
16	90.7	90.7	93.3	99.9	101.3	101.4	103.2	103.3	96.4	84.2	72.6	60.1	55.3	58.5	57.3	59.7	69	74.7	80.8	85	87.6	93.3	96.9	98.4	83.9	
17	98.7	98.9	96.7	93.5	92	91.4	88.4	95.9	99.8	101.6	100.6	102.7	104.5 ?	97.1	90.2	92.3	95.1	97.3	101.2	94.1	73.7	76.2	76.1	77.1	93.1	
18	80.5	80.3	81.9	82.1	82	83.4	82.8	81.9	76.6	73.1	70.2	65.4	55.3	52.4	53.8	57.7	62.1	66.7	68.8	70.5	71.6	75.8	79	79.2	72.2	
19	85.2	83.9	80.5	79.9	80.2	82.6	84.8	86.7	85.8	86	87.8	97.7	100.4	95.4	86.6	74.4	72.1	76.9	81.5	84.9	88.5	93.6	95	92.6	86	
20	94.4	95.5	91.1	94.2	95.2	92.9	92	91.2	84.8	81.3	72.4	58.9	54.5	51.8	49.7	50.8	53.4	63.1	66.7	70.7	70.4	72.6	76.4	80	75.2	
21	82.1	80.7	81.1	80.7	82.7	82.5	82.8	82.3	77.6	67.3	58.6	54.4	49.9	42.8	42.4	44.9	45.1	48.6	56.8	62.8	63.5	62.9	57.2	57.5	64.5	
22	57.5	60.7	60.7	62.9	61.5	62	63.5	62.5	58.1	53.6	50.2	43.3	37.2	30.4	27.7	27.6	35.7	42.6	43.9	48.2	52.2	61.7	70.5	74.9	52	
23	76.4	80.9	83.1	86.2	85.4	86.6	89.7	91.9	88.7	80.7	75.3	73.8	71.9	67.8	64.9	68.7	73.6	77.1	78.2	82.9	88.1	91.1	101.4	104.8 ?	82.1	
24	?	?	?	?	?	?	?	?	?	?	?	104.2	100.9	97.1	92.6	88	92.3	96.2	98.1	90.8	84.1	96.2	90.3	87.8	93.7 ?	
25	88.9	91.1	93.7	89.7	82.7	74.3	73.3	71.2	71.7	64.5	63.5	59.1	63.7	58.4	49.8	47.6	50.6	58.7	62.4	63.2	64.3	66.9	69	70.5	68.7	
26	73.3	75.2	76.4	76.5	82.8	82.1	82.9	83.7	74	65.4	62.5	56	54.7	54.2	51.8	51.1	55.6	64	67.8	67.4	68.2	70.7	73.7	74.4	68.5	
27	73.4	75.6	77.3	77.9	78.5	81.4	80.5	78.5	70.2	55.8	44.3	41.3	39.2	38.3	37.9	37.3	39.1	46.1	55.2	70.1	78.2	75.7	72.9	76.2	62.5	
28	77.5	81.4	86.9	92	93.9	94.9	97.1	99.7	91.9	87.1	80.5	78.3	71.6	60.7	57	55.3	59.8	79.9	88.5	97.8	102.1	103.9	103.6	104.2	85.2	
29	?	?	?	?	?	?	?	?	?	?	100.2	81.4	75.4	71.1	69.7	69.8	70.6	73.5	80.1	86.3	91	94.5	95.1	95.9	96.3	83.4 ?
30	96.6	95.3	94.5	95.1	94.4	94.7	96.5	98.5	99.5	93.9	95.3	86.1	68.2	60.4	50.8	44.9	45.8	49.7	51.3	53	54	53.9	54.8	57	74.4	
31	60.5	67.1	70.4	71.2	73.1	79.6	84	85.1	83	75.1	71.7	64.5	56.8	58.1	52	57.3	63.4	68.6	76.4	82.5	73.8	67.3	67.7	70.4	70	
Avg	80.2	81.9	82.9	83.5	84.2	84	85.7	85	80.6	75.2	69	66.4	64.4	61.5	57.5	58	61.3	67.2	72.9	75.2	75.8	79	79.2	81.6	76.1	
S D	16.2	15.5	15.1	14.2	13.9	12.8	12.5	12.8	13.3	15.3	16.4	19.3	21.1	21.2	18.9	18.3	18	17.1	17.8	16.8	15.9	16.1	16.4	17	14.2	
S/A	0.2	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.16	0.2	0.24	0.29	0.33	0.35	0.33	0.31	0.29	0.25	0.24	0.22	0.21	0.2	0.21	0.21	0.19	
Min	42.8	44.9	48.1	52.6	55.6	57.8	59.1	54.9	51.9	42.1	35.5	32.7	30.2	27.4	26.8	27.6	29.8	35.5	37.7	38.6	40.6	52.6	46.2	43.3	44.1	
Max	104.9	103.9	103.3	104.6	104.8	101.4	104.8	103.3	99.8	101.6	100.6	104.3	104.7	104	93.2	97.2	102.3	104.3	105	104.4	104.4	104.9	104.2	105	104.4	
n	323	320	324	324	321	312	320	324	324	335	336	343	344	360	348	348	348	348	341	347	342	347	348	337	8065	

Data Recovery: 0.0% missing; 9.7% failed QC -- 8928 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

December 2003

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	7.3	6.8	6.5	6.5	6.3	5.8	5.4	5.4	7	10	13.3	15.7	17.4	18.5	18.9	18.9	18.1	15.4	12.9	11.4	10.4	10	9	7.8	11
2	6.1	4.5	3	1.7	0.7	0	-0.5	-0.5	1.1	3.8	7	9	10.2	10.8	10.7	10.2	9.3	6.8	3.6	1.4	0.1	0	0.1	-0.1	4.1
3	-0.4	-1.1	-0.8	-0.8	-1.4	-2.2	-3.4	-3.6	-1.1	2.3	4.9	6.7	7.5	7.5	7.1	6.1	4.7	3.5	2.8	2.1	1.3	0.9	0.9	0.7	1.8
4	0.4	0.5	0.4	0.3	0.7	1.1	1.3	1.4	1.8	2.8	4.2	5.4	6.6	7.4	7.1	6.3	5.7	5.4	5.4	5.7	6.1	6.6	7.2	7.7	4.1
5	8.2	8.7	9.4	10.1	10.9	11.6	11.8	11.2	10.6	10.6	10.9	11	10.8	10.5	9.7	8.8	8.2	7.6	7.2	6.9	6.4	5.8	5.4	5	9.1
6	4.4	4	3.7	3.5	3.4	3.4	3.3	2.9	2.4	2.3	3	4.4	4.7	4.3	4.2	4.8	4.5	3.2	2	0.9	0.4	0.1	-0.1	-0.4	2.9
7	-1	-1.8	-2.7	-3.2	-3.5	-3.9	-3.9	-3.5	-1.5	1.5	4.4	6.6	8.1	8.7	9	8.7	8	5.8	3.5	2.1	1.2	0.4	-0.2	-0.7	1.7
8	-1.1	-1.6	-2.1	-2.8	-3.2	-3.2	-3.6	-3.6	-1.4	1.9	4.8	7.4	9.2	10	10.4	9.9	8.8	6.3	3.7	2.4	1	-0.3	-0.8	-1.3	2.1
9	-1.9	-2.4	-2.6	-2.3	-2.2	-2.1	-2.6	-2.6	-0.2	3.5	7.3	10.6	12.5	12.4	12.6	12.3	10.6	8.1	6.4	5.6	5.1	4.9	4.8	4.6	4.3
10	4.3	4.5	5	5.4	5.6	6	6.1	6.2	7.3	9.2	10.3	10.9	11.4	12.3	14.4	16.2	17.2	17.5	17.2	16.2	15.3	14.5	14.1	14.5	10.9
11	15.2	15.6	15.5	14.6	13	11.7	11.5	11.2	10.9	11.3	12.1	12.8	13.6	14.3	14.5	14.2	13.6	11.9	10.5	9.6	8.5	7.4	6.2	5.2	11.9
12	4.2	3.3	2.4	1.5	0.6	-0.2	-0.8	-1.1	0.4	4.1	7.6	9.9	11.8	12.1	12.2	12.1	10.5	7.5	5.8	4.9	4	3.8	3.7	3.1	5.1
13	2.5	2	1.8	1.6	1.6	1.4	1.2	1.1	2.1	3.7	5.5	6.7	7.1	7.2	7.2	6.3	4.6	3.3	2.5	2	2.7	3.8	5	5.8	3.7
14	6.5	7.1	7.7	8.6	9.2	9.7	10.5	11.3	12	12.6	13.2	13.7	13.9	14.4	14.8	13.9	12.5	10.5	8.8	7.5	6.4	5.3	4.4	3.9	9.9
15	3.5	3.2	2.5	1.9	1.8	1.9	1.8	1.6	2.8	5.1	7.6	9.6	10.9	11.7	12	11.9	11.2	8.9	6.8	5.7	4.6	3.6	2.6	1.7	5.6
16	1.2	0.9	0.9	0.7	0.7	1	0.9	0.8	2.5	5.7	9.3	12.5	14.6	14.9	14.4	14.1	13.3	11.6	10.4	10	9.8	9.3	9.5	10.1	7.5
17	10.5	11	11.3	12.5	13.7	14.6	15.3	15.6	15.3	15.9	16.9	17.7	17.6	16.6	14.4	13.7	12.9	11.6	9.7	7.5	6.1	4.3	2.7	1.5	12
18	0.6	0.1	-0.3	-0.7	-1	-1.2	-1.2	-1	0.1	1.8	3.4	4.4	5.9	7.7	8.4	8.3	7.7	6	4.9	4.4	4.4	4.1	4	4	3.1
19	3.6	3.6	3	2.3	1.8	1.9	1.8	2.1	2.5	3.5	4.3	5.1	3.7	2.4	2.4	3	2.9	1.3	-0.4	-1.4	-2.2	-2.3	-2.4	-2.7	1.7
20	-2.5	-2.3	-2.1	-2.3	-2.6	-2.9	-3.3	-3.7	-2.5	0.2	2.9	5.1	6.2	7	6.8	6.5	5.1	3.4	1.3	-0.2	-1	-1.5	-1.8	-2.4	0.6
21	-3.2	-3.8	-4.4	-4.8	-5	-5.3	-5.6	-5.6	-4	-1.1	2.2	4.8	6.2	7	7.5	7.6	7.2	5.4	3.3	2.4	2.1	1.8	1.8	1.9	0.8
22	1.9	1.6	1.3	1	0.8	0.9	1	1.3	2.7	5.1	7.5	9.7	11.7	13.2	14.3	14.8	14.4	11.9	9.7	8.1	6.9	6.3	6	5.5	6.6
23	5	4.7	4.5	4.3	4.3	4.5	4.5	4.3	5.4	8.6	12.6	16	18.2	19.8	20.7	20.8	19.3	17.8	16.8	16.3	15.4	15.3	15	14.3	12
24	14.3	14.6	14.9	15.1	15.2	15.4	15.5	15.4	15.4	15.5	15.7	15.7	16.3	17.6	18.3	18.6	18	16.1	14.4	14.1	13.9	12.9	11	9.8	15.1
25	8.8	8.1	7.4	6.9	6.3	5.8	4.9	4.4	4.6	5.5	7.3	8.7	9.6	9.1	8.7	8.4	7.7	5.6	3.2	2	1.4	0.9	0.5	0.2	5.7
26	-0.2	-0.4	-0.7	-1.1	-1.6	-2.3	-2.6	-3	-1.7	1.4	4.4	7	8.9	9.7	9.9	9.7	9	6.9	4.7	3.5	2.9	2.5	2.1	1.5	2.9
27	1	0.5	0	-0.3	-0.7	-1.2	-1.6	-1.9	-0.4	3.3	7.2	9.9	11.6	12.8	13.3	13.4	12.8	10.6	7.7	5.7	3.8	2.1	1.7	1.6	4.7
28	1.4	1.3	0.8	0.3	-0.3	-0.7	-1.1	-1.5	-0.1	3.7	8.1	11.4	13.5	15	15.5	15.2	14	11	7.6	5.5	4.3	3.1	2.3	1.9	5.5
29	0.9	0	-0.8	-0.7	-0.3	0.3	1.3	1.8	3.4	5.9	9.5	14.2	17.1	18.6	19	18.9	18.5	16.4	14.1	12.9	12.3	11.7	11.3	10.9	9
30	11	11.5	12.8	13.7	14.2	14.6	15.1	15.4	15.4	15.3	16	15.3	15.4	16.8	17.4	16.8	15.7	13.3	10.7	8.9	7.3	6.4	5.9	5.4	12.9
31	4.7	3.8	3.1	2.3	2	1.8	1.4	1.2	2.4	5.4	8.6	11	13	14.3	14.1	13.5	12.7	10.2	7.5	5.5	5	5	4.8	4.9	6.6
Avg	3.8	3.5	3.3	3.1	2.9	2.8	2.7	2.7	3.7	5.8	8.1	10	11.1	11.8	11.9	11.7	10.9	9.1	7.2	6.1	5.4	4.8	4.4	4.1	6.3
SD	4.7	5	5.2	5.4	5.6	5.8	6	6.1	5.5	4.6	4.1	3.9	4.1	4.4	4.5	4.6	4.6	4.5	4.6	4.6	4.5	4.4	4.4	4.5	4.1
S/A	1.24	1.41	1.6	1.76	1.91	2.04	2.23	2.28	1.47	0.79	0.5	0.39	0.37	0.37	0.38	0.39	0.42	0.5	0.63	0.75	0.86	0.95	1.01	1.11	0.65
Min	-3.2	-3.8	-4.4	-4.8	-5	-5.3	-5.6	-5.6	-4	-1.1	2.2	4.4	3.7	2.4	2.4	3	2.9	1.3	-0.4	-1.4	-2.2	-2.3	-2.4	-2.7	0.6
Max	15.2	15.6	15.5	15.1	15.2	15.4	15.5	15.6	15.4	15.9	16.9	17.7	18.2	19.8	20.7	20.8	19.3	17.8	17.2	16.3	15.4	15.3	15	14.5	15.1
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

December 2003

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	2.7	2.8	3.1	3.5	2.6	2.8	3	3.1	3.2	3.6	4.2	4.7	4.5	4.1	4.1	3.3	3.2	2	2.3	2.5	3.8	4.3	4	3.2	3.4
2	1.7	1.5	0.8	1.3	1.6	1.5	1.9	1.6	2.5	3	3.7	3.8	3.2	3.8	4	3.5	2.9	0.8	0.1	0	0.9	1.7	1.5	1.6	2
3	0.7	2	2.4	1.7	1.1	0.5	0.3	0.7	2.4	3.1	3.7	3.6	3.1	2.6	1.9	2.1	2	1.6	1.8	1.2	0.9	1.6	1.5	1.1	1.8
4	0.9	1.2	1.5	1.7	2.1	2.2	1.7	1.5	1.5	1.2	0.6	2.2	2.8	3.3	3.2	2.6	2.4	3	3.4	3.7	4	4.4	4.8	5.8	2.6
5	6.7	4.7	3.5	1.1	0.3	0.4	0.8	0.9	1.2	1.9	2.3	2.5	2	3	3	2.3	3	2.1	2.6	2.5	3.2	2.2	2.2	2.3	2.4
6	2.6	2.3	2.5	2.6	2.3	2.3	3.1	3.3	3.6	3.7	4.2	4.7	5.4	5.1	5.2	4.5	4.9	4.3	2.7	2.7	3.1	3.5	3.9	3.1	3.6
7	2.5	2.1	1.8	1.9	1.2	1.4	2.1	2.1	2.5	2.9	4.4	4.2	4.8	4.1	4.1	3.2	2.3	1	0.9	1.1	1	1.1	0.8	1.1	2.3
8	1.1	0.9	0.6	0.4	1	0.3	0.4	0.5	1.2	2.6	1.6	1.4	1.8	1.5	1.7	1.3	1	0	0.2	0.4	0	0	0	0	0.8
9	0	0	0	0.1	0	0.1	0	0	0.4	1.2	1.4	1.6	2.6	2.3	2.1	2	1.6	1.7	1.5	1.5	1.4	1.2	1.5	0.9	1
10	1	1.3	1.1	1.3	1.9	0.2	1	1.5	1.2	0.8	1.1	1.1	1.1	1.9	2.8	3.4	4.8	5	5	6.8	7.6	8.8	4.4	1.4	2.8
11	4.8	3.4	4.7	6.1	5.6	5.8	5.9	5.5	6.1	6.1	6.1	6.5	5.5	5.3	5.7	6	4.6	4	3.9	3.2	3.2	2.9	2.6	2.3	4.8
12	2.4	2.2	1.9	1.2	0.9	0.7	0.5	0.3	0.5	0.9	2.1	1.3	1.4	1	0.5	0.8	0.7	0.6	1.5	0.6	0.4	0.8	0.3	0.2	1
13	0.2	0.4	1.5	2.3	3.1	3.2	3	3.3	4	4.2	5	4.6	4.4	4.2	4.7	4.5	3.4	2.2	2.4	3	4.1	4.1	4.6	5	3.4
14	5	5.3	5.4	4.8	4.1	4.2	5	3.4	2.6	1	0.5	0.2	0.3	1.5	2.9	1.5	3.9	3.4	3.1	2.7	2.8	2.5	3.7	3.4	3.1
15	3	2.7	2.6	3	3.9	3.3	2.9	2.4	2.8	3.4	3.3	4.2	4.4	4	3.3	3	1.9	1	1.4	0.7	0.3	0.3	0	0.4	2.4
16	0.1	0.4	0.2	0.3	0.5	0.2	0	0	0.1	1.4	1.5	2.3	2.7	2.5	2	1.5	1.1	1.2	1.6	2.3	1.5	2.1	2.3	1.8	1.2
17	2.6	1.8	2.3	3.4	3.6	3.5	3.9	3.2	5.1	2.7	2.9	2.1	3.7	5	2.8	3.1	3.5	3.9	4	2.8	4.3	3.2	3	2.2	3.3
18	2.5	3.1	2.5	2.2	2.1	2.2	2.4	1.8	3.5	4	4.2	4	3.5	4	4	3.2	2.2	0.9	1.3	1.1	0.3	0.1	0.9	1.3	2.4
19	1	0.8	1.7	1.3	1.6	1.3	1.7	1.4	1.5	2	1.9	2.9	3	2.6	2.4	2.6	2.3	0.8	0.4	0.1	0.5	0.8	0	0.5	1.5
20	0.9	1	0.5	0.5	0.5	0.8	0.6	0.4	0.9	1.3	1.8	4	3.5	3.4	3.2	2.9	2.9	1.8	1.1	1.3	1.5	1.7	2	1.5	1.7
21	1.3	1.2	1	1.1	1.1	1.1	1.2	0.5	1.4	1.4	1.3	2.1	3.2	3.8	3.3	3.2	2.3	1.5	1.8	2.2	2	2.6	3	3.2	2
22	3.2	2.7	2.8	2.7	3.2	3.5	3.5	3.4	3.6	4.9	4.8	4.7	4.6	5.3	4.8	4	2.1	2.1	1.5	1.2	1.7	2.5	2.1	1.9	3.2
23	1.7	2.1	1.9	2	1.8	1.8	1.6	1.2	1.4	1.7	2	2.9	2.9	3.4	3.7	3.3	2.8	2.1	1.8	1.7	2	3.1	2	1.5	2.2
24	1.9	2.4	1.5	2	2.8	2.4	2.3	1.6	1.7	2.3	2.1	3.1	3.1	2.8	3	2.8	1.8	1	0.7	0.8	1.9	2.9	3.1	2.8	2.2
25	1.7	1.7	1.2	1.8	2.4	2.1	1.7	2	1.3	1.9	1.9	2.6	3.3	3.8	3.3	3.1	1.9	0.4	0.6	0.6	0.9	0.9	0.9	0.8	1.8
26	0.9	1.2	1.6	1.7	1.2	1.3	0.9	0.7	1.1	1.5	1.7	1.4	2.2	2.2	2.8	3.1	1.9	1.2	0.9	1.3	1.6	2	1.5	1.6	1.6
27	1.3	1.5	1.4	1.5	1.3	1.3	1.1	0.2	0.9	1.4	3.7	3.9	3.5	3.6	2.8	2.4	1.5	0.8	1	1.1	0	0.6	0.7	0.9	1.6
28	0.8	0.5	0.5	0.5	0	0.3	0.1	0.6	1.3	1.3	1.1	1.5	1	1.1	0.9	1.2	0.9	0.9	0.5	0.8	0.2	0	0	0	0.7
29	0	0	0.5	0	0	0.5	0	0	0	0.2	0.5	1.6	2.5	2.7	3.3	3.1	2.9	1.9	1.5	1.9	2.5	2	1.7	1.9	1.3
30	2.1	2.4	3.1	3.1	3.7	4.5	4.5	4.1	5	6.7	6.1	3.8	4.8	4	4.5	3.8	3.1	2.1	2.2	1	1.2	1.3	1.4	1.5	3.3
31	0.8	1.4	0.6	0.9	1	0.7	0.6	0.1	0.1	1.5	2	1.5	0.8	1.9	2.4	2.3	1.8	1.5	1	1.4	2.2	2	2.3	2.5	1.4
Avg	1.9	1.8	1.8	1.9	1.9	1.8	1.9	1.7	2.1	2.5	2.7	2.9	3.1	3.2	3.2	2.9	2.5	1.8	1.8	1.8	2	2.2	2	1.8	2.2
S D	1.5	1.2	1.3	1.3	1.4	1.5	1.6	1.4	1.6	1.6	1.6	1.4	1.3	1.2	1.2	1.1	1.1	1.2	1.2	1.3	1.6	1.7	1.4	1.3	1
S/A	0.82	0.67	0.68	0.71	0.72	0.8	0.84	0.85	0.75	0.63	0.59	0.49	0.43	0.38	0.37	0.37	0.43	0.66	0.67	0.76	0.84	0.8	0.7	0.72	0.43
Min	0	0	0	0	0	0.1	0	0	0	0.2	0.5	0.2	0.3	1	0.5	0.8	0.7	0	0.1	0	0	0	0	0	0.7
Max	6.7	5.3	5.4	6.1	5.6	5.8	5.9	5.5	6.1	6.7	6.1	6.5	5.5	5.3	5.7	6	4.9	5	5	6.8	7.6	8.8	4.8	5.8	4.8
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

December 2003

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	208	225	227	225	225	227	227	224	239	253	258	260	260	270	274	271	281	285	287	287	316	357	339	328	265
2	320	313	277	264	266	271	271	276	295	300	298	293	291	297	297	299	302	296	201	269	336	347	324	323	297
3	310	327	345	333	316	293	297	320	343	4	22	352	9	10	24	26	20	29	38	32	33	35	3	350	4
4	308	318	321	341	355	353	26	23	38	40	15	42	47	46	41	49	44	53	59	66	70	70	69	73	46
5	72	68	63	64	51	280	280	291	284	272	276	277	276	265	265	273	270	270	266	266	266	273	275	274	286
6	267	271	271	269	274	283	288	293	292	284	298	295	299	305	310	298	306	305	302	303	306	309	308	307	296
7	297	286	279	275	280	275	276	273	277	290	292	295	297	294	294	296	288	283	284	278	285	283	303	317	289
8	316	303	296	316	328	311	305	316	325	348	346	314	290	284	287	297	288	286	80	111	25	0	0	0	313
9	0	0	0	159	202	218	0	0	102	134	156	115	82	76	82	97	95	103	80	98	96	79	79	75	95
10	59	53	63	70	80	10	25	63	76	95	93	84	110	109	127	126	134	128	119	120	116	111	108	119	110
11	180	141	201	242	230	228	232	252	257	260	266	265	267	265	260	259	264	262	269	270	280	275	274	277	251
12	284	286	289	288	264	256	267	277	309	354	31	51	90	107	71	251	265	72	60	67	48	55	54	1	336
13	25	0	2	8	5	6	17	10	27	32	34	32	36	38	43	37	35	11	27	54	66	61	61	61	35
14	60	65	65	64	61	69	70	78	92	103	102	97	221	203	238	241	262	263	267	268	272	270	277	284	37
15	289	271	265	264	277	268	272	274	277	282	278	283	296	285	281	274	272	245	226	217	222	237	270	160	275
16	214	231	219	217	219	218	148	141	207	202	182	198	201	182	187	172	140	131	147	144	139	144	144	121	168
17	117	119	133	126	142	149	157	161	162	177	181	186	234	280	295	274	293	286	297	295	285	280	278	274	225
18	267	262	258	250	245	254	258	253	254	259	264	260	269	259	265	258	251	255	254	252	249	141	151	152	256
19	166	201	233	228	235	242	230	253	275	288	304	325	308	303	300	289	288	277	246	233	232	226	213	222	274
20	230	235	259	267	265	288	295	297	292	290	293	306	300	297	296	289	294	289	283	274	276	277	287	288	289
21	275	283	279	280	277	280	284	292	266	277	271	249	240	234	231	222	210	209	194	205	208	212	216	224	236
22	222	215	211	208	212	218	216	214	216	228	224	215	208	219	216	218	190	199	207	193	195	190	190	198	213
23	191	192	196	192	199	187	192	182	174	195	183	179	187	173	176	173	159	139	122	112	125	154	171	153	172
24	152	138	147	151	161	190	197	176	164	171	172	196	191	194	196	196	185	185	162	288	325	350	345	339	185
25	350	347	327	345	347	333	318	316	311	316	297	291	272	262	271	264	272	260	242	244	238	236	232	234	293
26	258	262	269	280	271	287	281	272	289	289	284	294	287	265	288	285	273	270	264	246	243	264	266	279	275
27	282	278	282	285	289	286	283	296	297	312	326	334	326	313	325	332	324	19	47	46	294	306	319	334	318
28	316	317	353	310	334	336	273	293	343	349	23	40	65	81	69	63	86	137	117	112	113	0	0	0	37
29	0	4	104	129	244	155	0	172	145	157	188	186	192	190	196	191	194	189	183	182	166	184	186	182	185
30	178	192	175	181	186	191	194	208	220	230	244	266	271	271	271	283	286	284	283	269	260	250	262	273	236
31	299	351	346	345	356	30	12	355	150	86	108	125	175	154	174	194	157	146	148	192	204	191	207	231	173
Avg	247	261	248	253	249	246	246	255	263	272	278	280	275	269	269	265	268	259	262	223	253	269	289	291	266
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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.

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

December 2003

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	3.9	3.9	4.4	5	3.9	3.9	4.2	4.4	4.9	5.9	7.1	7.5	7.1	7.5	6.7	6	6.4	3.7	3.8	4.1	6.8	6.6	6.1	5.2	5.4
2	2.8	2.5	1.5	2.1	2.6	2.7	3.4	3.3	4.7	5.6	6.5	7	6.3	7.5	7.2	6.4	5.4	1.7	0.5	0.2	1.6	2.8	2.5	2.6	3.7
3	1.7	3.3	3.9	3	2.2	1.4	1.1	1.8	4.1	5	5.9	6.3	4.9	4.4	3.5	3.5	3.4	3.1	2.9	2.5	2.1	2.8	2.8	2.2	3.2
4	1.9	2.3	2.9	3	3.6	3.5	3	2.5	2.5	2.4	1.5	3.5	4.6	5.1	4.9	3.9	3.8	4.6	5.1	5.6	5.9	6.8	7.5	8.6	4.1
5	9.8	7.4	5.8	2.3	1.1	1.2	2.3	2.7	3.3	4.1	5.1	5.5	4.8	5.6	5.9	4.8	5.9	4.7	4.9	4.9	5.7	4.7	4.9	4.8	4.7
6	4.9	5.1	4.8	5.1	5.1	5	6.4	6.3	7.2	7.3	8.3	9.3	9.5	8.8	8.9	8.2	9.3	7.8	5.1	5.9	6	6.3	7.2	5.5	6.8
7	4.5	4	3.5	3.9	2.7	2.8	3.9	4	5.2	5.8	8.1	7.5	8.1	7.4	7.4	6.2	4.5	2.3	1.9	2	2	2.2	1.6	2	4.3
8	2.1	2	1.5	1.2	1.8	0.8	1	1.3	2.6	4.1	3.1	3.1	3.6	3.6	3.8	3	2.2	0.3	0.5	0.7	0	0	0	0	1.8
9	0	0	0	0.2	0	0.2	0	0	0.7	2.2	2.4	2.9	3.8	3.2	3.2	3.1	2.4	2.4	2.2	2.2	1.9	1.8	2.1	1.4	1.6
10	1.8	2	1.9	2	2.7	0.5	1.7	2.3	2	1.7	1.9	2	2.3	3.3	4.6	5.3	6.9	7.2	7.5	9.9	11.5	12.7	7.5	2.9	4.3
11	7.8	5.3	7.7	9.2	8.2	8.5	8.9	9	9.3	10.1	10.2	10.6	9.3	8.7	8.9	9.3	7.3	6.2	6.2	6.2	5.8	5	5.1	4.2	7.8
12	4.8	4.3	3.5	2.6	1.6	1.4	1.2	1.1	1.6	2.2	3.5	2.7	2.7	2.2	1.2	1.8	1.3	1.4	2.5	1.3	1.1	1.7	0.9	0.6	2.1
13	0.4	0.8	2.5	3.6	5	4.8	4.7	5.1	6.1	6.4	7.7	7.1	6.9	6.9	7.5	6.5	5.4	3.6	3.7	4.6	6.3	6.4	7.4	7.6	5.3
14	7.6	8.5	8.6	7.7	6.4	6.9	7.5	5.6	4.6	2	1.1	0.6	1.1	2.8	4.9	2.6	6.2	5.9	5.8	5	5.8	5.5	7.1	6.7	5.3
15	6.2	5.7	4.6	5.5	7.1	6	5.5	5.2	5.8	6.3	6.3	7.2	7.8	7.5	6.3	5.4	3.7	1.7	2.1	1.4	0.9	0.6	0.1	0.9	4.6
16	0.4	0.8	0.5	0.7	0.9	0.4	0.1	0	0.2	2.4	2.7	3.9	4.2	3.9	3.4	2.7	2.1	1.9	2.5	3.4	2.5	3.2	3.5	2.6	2
17	3.7	2.7	3.5	5.1	5.3	5.4	6.2	4.7	7.8	4.5	5	4	6.3	9	5.7	6	6.9	7.5	7.5	6.3	8	6.4	5.8	4.7	5.7
18	4.6	5	4.1	3.6	3.2	3.5	3.9	3.1	5.4	6.4	7.4	6.7	6.4	6.4	7	5.6	3.6	1.9	2.2	2.2	0.6	0.4	1.6	2.1	4
19	1.8	1.7	2.6	2.1	2.4	2.2	2.6	2.3	3	4.1	3.3	4.7	5.8	5.3	5.4	5.4	4.7	2.3	1.1	0.4	1	1.8	0.3	1.3	2.8
20	1.8	1.9	1.4	1.4	1.4	2.3	1.9	1.5	2.5	3.3	3.8	6.9	6.5	6.6	5.9	5.4	5.7	3.4	2.2	2.4	3.2	3.4	3.6	3	3.4
21	2.4	2.3	2	2.2	2.4	2.3	2.5	1.5	2.4	2.8	2.6	3.7	4.8	5.6	5.1	4.7	3.6	2.5	2.9	3.1	3.1	3.9	4.4	4.5	3.2
22	4.7	4.1	4	3.9	4.7	4.9	4.9	4.8	5.4	7.2	7.4	6.9	6.8	7.9	7.1	6.2	3.4	3.2	2.3	1.8	2.6	3.4	3.1	2.6	4.7
23	2.4	2.9	2.5	2.8	2.5	2.7	2.3	1.8	2.3	3.1	3.6	4.5	4.8	5.5	5.9	5.6	4.3	3.1	2.8	2.6	3.1	4.6	3.4	2.7	3.4
24	3.3	3.9	3	3.3	4.7	4.5	4.1	3.1	3.3	4.3	3.9	5	5.3	4.9	5	4.6	3.1	2.1	1.6	2.6	3.4	4.6	4.9	4.7	3.9
25	3.5	3.2	2.5	3.6	3.9	3.8	3.5	3.6	3.2	3.7	4.3	4.8	5.9	6.4	6.4	5.7	3.6	1.4	1.3	1.3	1.8	1.5	1.6	1.4	3.4
26	2	2.3	3.3	3.4	2.2	2.8	2.2	1.7	2.7	3.5	3.8	3.3	4.4	4.5	5.4	5.9	3.7	2.4	1.8	1.9	2.2	2.8	2.4	2.8	3.1
27	2.6	2.8	2.7	2.8	2.7	2.5	2.2	0.7	2.2	3.2	6.2	6.7	6	5.8	4.7	4.2	3	1.4	1.5	1.7	0.2	1.1	1.4	1.5	2.9
28	1.6	1	1.1	1.1	0.2	0.6	0.4	1.2	2.1	2.2	2	2.6	2.1	2.2	2.1	2.2	1.6	1.5	1.1	1.4	0.4	0	0	0	1.3
29	0	0	0.9	0	0	0.8	0	0	0.1	0.7	1.4	2.9	4	4.3	5.2	5.1	4.8	3.1	2.7	3.2	3.6	3.1	2.7	3	2.2
30	3.4	3.8	4.6	5	5.8	6.8	6.6	6.1	8.1	9.8	9.3	6.5	8.7	6.9	7.6	7.4	5.5	4.2	4.2	1.8	1.9	1.8	2.1	2.3	5.4
31	1.6	2.2	1.2	1.5	1.8	1.3	1.1	0.4	0.3	2.7	3.2	2.8	1.9	3	3.8	3.8	2.8	2.3	1.6	2.1	3	2.7	3	3.3	2.2
Avg	3.2	3.2	3.1	3.2	3.2	3.1	3.2	2.9	3.7	4.4	4.8	5.1	5.4	5.6	5.5	5.1	4.4	3.2	3	3.1	3.4	3.6	3.4	3.2	3.8
SD	2.3	2	1.9	2	2.1	2.2	2.3	2.2	2.4	2.3	2.5	2.3	2.1	2	1.8	1.7	1.9	1.9	1.9	2.1	2.6	2.6	2.4	2.1	1.5
S/A	0.72	0.62	0.62	0.63	0.65	0.69	0.72	0.73	0.64	0.53	0.52	0.45	0.4	0.35	0.33	0.34	0.42	0.59	0.63	0.69	0.78	0.74	0.69	0.66	0.4
Min	0	0	0	0	0	0.2	0	0	0.1	0.7	1.1	0.6	1.1	2.2	1.2	1.8	1.3	0.3	0.5	0.2	0	0	0	0	1.3
Max	9.8	8.5	8.6	9.2	8.2	8.5	8.9	9	9.3	10.1	10.2	10.6	9.5	9	8.9	9.3	9.3	7.8	7.5	9.9	11.5	12.7	7.5	8.6	7.8
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

December 2003

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	1014	1014	1014	1013	1013	1013	1014	1014	1014	1014	1014	1013	1012	1012	1012	1013	1014	1015	1016	1017	1018	1020	1021	1022	1015
2	1022	1022	1022	1022	1023	1023	1024	1024	1025	1025	1025	1024	1024	1023	1023	1023	1024	1025	1025	1026	1026	1027	1028	1028	1024
3	1028	1029	1029	1029	1030	1030	1031	1031	1032	1033	1033	1032	1032	1032	1031	1031	1031	1032	1032	1032	1032	1032	1032	1031	1031
4	1032	1031	1031	1031	1030	1030	1030	1029	1028	1029	1029	1028	1027	1026	1025	1025	1025	1024	1023	1022	1021	1020	1018	1017	1026
5	1015	1013	1012	1011	1010	1009	1009	1009	1009	1009	1009	1008	1008	1007	1007	1007	1008	1008	1008	1009	1009	1009	1009	1009	1009
6	1008	1008	1008	1008	1008	1008	1008	1009	1009	1010	1011	1010	1010	1010	1009	1010	1011	1012	1012	1013	1013	1014	1014	1013	1010
7	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1013	1013	1013	1012	1013	1013	1014	1015	1016	1016	1016	1017	1017	1014
8	1017	1017	1018	1018	1018	1019	1019	1020	1021	1021	1021	1021	1020	1019	1019	1019	1019	1020	1020	1021	1021	1021	1021	1021	1020
9	1021	1021	1021	1021	1021	1021	1022	1023	1023	1023	1023	1023	1022	1021	1021	1021	1021	1021	1021	1020	1020	1020	1020	1020	1021
10	1019	1019	1018	1017	1016	1016	1016	1015	1015	1015	1014	1012	1011	1009	1008	1007	1006	1005	1004	1003	1001	999	997	995	1010
11	994	992	993	993	993	994	994	995	996	998	998	999	999	1000	1000	1002	1003	1005	1006	1007	1008	1009	1010	1011	1000
12	1011	1011	1012	1013	1013	1015	1016	1017	1017	1018	1019	1018	1018	1017	1017	1018	1019	1019	1020	1020	1021	1021	1021	1022	1017
13	1022	1022	1023	1023	1024	1024	1025	1026	1027	1028	1028	1027	1026	1026	1025	1026	1026	1026	1026	1025	1024	1023	1022	1021	1025
14	1019	1018	1016	1015	1013	1012	1011	1010	1010	1009	1008	1006	1005	1004	1003	1002	1004	1004	1004	1004	1004	1004	1005	1004	1008
15	1004	1005	1006	1006	1007	1009	1011	1012	1013	1014	1015	1015	1015	1016	1016	1017	1018	1018	1019	1020	1020	1021	1021	1021	1014
16	1020	1021	1021	1021	1022	1022	1022	1023	1023	1024	1023	1022	1021	1021	1020	1020	1019	1019	1018	1018	1017	1016	1016	1015	1020
17	1013	1012	1011	1009	1008	1007	1006	1005	1005	1004	1002	1000	998	998	998	998	1000	1001	1004	1005	1006	1007	1008	1008	1005
18	1008	1009	1009	1009	1009	1010	1010	1010	1010	1011	1010	1009	1008	1007	1007	1007	1007	1007	1008	1008	1008	1008	1008	1007	1008
19	1007	1006	1006	1006	1005	1006	1006	1006	1007	1007	1007	1007	1007	1007	1008	1008	1009	1010	1010	1011	1011	1011	1011	1011	1008
20	1011	1011	1011	1011	1011	1011	1012	1013	1014	1015	1016	1015	1015	1015	1016	1017	1018	1019	1020	1021	1022	1023	1023	1024	1016
21	1024	1025	1026	1026	1027	1027	1028	1029	1030	1030	1030	1029	1028	1027	1027	1027	1027	1026	1026	1026	1026	1026	1026	1026	1027
22	1026	1026	1026	1025	1025	1025	1025	1025	1025	1026	1026	1025	1024	1023	1022	1022	1021	1022	1022	1022	1022	1022	1022	1022	1024
23	1021	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1021	1020	1018	1018	1017	1017	1017	1016	1016	1015	1015	1015	1013	1019
24	1013	1012	1011	1010	1009	1008	1008	1008	1007	1007	1007	1006	1006	1006	1006	1006	1007	1007	1008	1008	1009	1010	1010	1010	1008
25	1010	1010	1010	1010	1011	1012	1013	1014	1015	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1019	1019	1020	1020	1020	1015
26	1020	1021	1021	1021	1022	1022	1023	1023	1024	1024	1024	1022	1021	1020	1020	1020	1021	1021	1021	1021	1021	1021	1021	1021	1022
27	1021	1021	1021	1021	1021	1021	1022	1022	1023	1023	1023	1022	1021	1021	1021	1021	1022	1022	1022	1022	1023	1023	1023	1023	1022
28	1023	1024	1024	1024	1024	1024	1025	1026	1026	1027	1027	1026	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1024	1025
29	1024	1024	1023	1023	1023	1022	1022	1023	1024	1024	1023	1022	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1021
30	1016	1015	1015	1014	1013	1012	1012	1013	1014	1014	1014	1014	1014	1015	1015	1016	1018	1019	1021	1022	1023	1023	1024	1024	1017
31	1024	1024	1025	1025	1025	1026	1026	1027	1027	1028	1028	1027	1026	1025	1025	1024	1024	1024	1024	1024	1024	1024	1023	1023	1025
Avg	1017	1017	1017	1016	1016	1017	1017	1017	1018	1018	1018	1017	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1017	1017
S D	8	8	8	8	8	8	9	9	9	9	9	9	9	8	8	8	8	8	7	7	8	8	8	8	8
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	994	992	993	993	993	994	994	995	996	998	998	999	998	998	998	998	1000	1001	1004	1003	1001	999	997	995	1000
Max	1032	1031	1031	1031	1030	1030	1031	1031	1032	1033	1033	1032	1032	1032	1031	1031	1031	1032	1032	1032	1032	1032	1032	1031	1031
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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