

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

January 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	26	94 ?	?	?	?	?	?	?	122 ?	47	0	0	0	0	0	0	0	289 ?
2	0	0	0	0	0	0	0	18	61	101	199	231	315	318	220	133	36	0	0	0	0	0	0	0	1630
3	0	0	0	0	0	0	0	26	75 ?	?	?	?	?	?	?	?	47	0	0	0	0	0	0	0	148 ?
4	0	0	0	0	0	0	0	32	121	152	218	263 ?	?	155 ?	213 ?	?	27	0	0	0	0	0	0	0	1181 ?
5	0	0	0	0	0	0	0	23	71 ?	?	?	?	?	321 ?	206 ?	116	12	0	0	0	0	0	0	0	749 ?
6	0	0	0	0	0	0	0	10	48	99	163	223 ?	219 ?	?	?	?	62	0	0	0	0	0	0	0	825 ?
7	0	0	0	0	0	0	0	29	102 ?	?	?	?	?	?	?	?	36	0	0	0	0	0	0	0	167 ?
8	0	0	0	0	0	0	0	31	100 ?	?	?	?	?	215	141	102	53	0	0	0	0	0	0	0	643 ?
9	0	0	0	0	0	0	0	11	33	34	40	39 ?	38 ?	37 ?	33	29	9	0	0	0	0	0	0	0	303 ?
10	0	0	0	0	0	0	0	12	65	163	267	297 ?	322 ?	247 ?	?	?	70	6	0	0	0	0	0	0	1449 ?
11	0	0	0	0	0	0	0	30	101 ?	?	?	?	?	?	?	?	69	4	0	0	0	0	0	0	204 ?
12	0	0	0	0	0	0	0	28	93 ?	?	?	?	?	?	?	?	63	6	0	0	0	0	0	0	191 ?
13	0	0	0	0	0	0	0	29	95 ?	?	?	?	?	?	?	?	68	7	0	0	0	0	0	0	199 ?
14	0	0	0	0	0	0	0	29	97 ?	?	?	?	?	?	?	153 ?	?	67	7	0	0	0	0	0	353 ?
15	0	0	0	0	0	0	0	14	90 ?	?	254 ?	?	?	229 ?	?	?	62	6	0	0	0	0	0	0	654 ?
16	0	0	0	0	0	0	0	35	116 ?	?	?	?	?	?	205 ?	99 ?	68	8	0	0	0	0	0	0	530 ?
17	0	0	0	0	0	0	0	32	97 ?	?	?	?	?	272 ?	232	157	54	7	0	0	0	0	0	0	849 ?
18	0	0	0	0	0	0	0	4	17 ?	47	51	126	140	109	62 ?	78	27	0	0	0	0	0	0	0	661
19	0	0	0	0	0	0	0	42	120 ?	?	?	?	?	293 ?	?	?	75 ?	7	0	0	0	0	0	0	536 ?
20	0	0	0	0	0	0	0	34	102 ?	?	?	?	?	?	?	?	78 ?	11	0	0	0	0	0	0	224 ?
21	0	0	0	0	0	0	0	33	100 ?	?	?	?	?	?	189 ?	143	55	11	0	0	0	0	0	0	531 ?
22	0	0	0	0	0	0	0	31	101 ?	?	?	?	?	?	?	?	77 ?	13	0	0	0	0	0	0	221 ?
23	0	0	0	0	0	0	0	29	103 ?	?	?	?	?	?	?	?	78 ?	21	0	0	0	0	0	0	231 ?
24	0	0	0	0	0	0	0	30	101 ?	?	?	?	?	231 ?	163 ?	111	50	10	0	0	0	0	0	0	696 ?
25	0	0	0	0	0	0	0	48	59	165	103	159	130	84	53	38	13	2	0	0	0	0	0	0	853
26	0	0	0	0	0	0	0	9	41	55	58	76	73	57	54	29	6 ?	1	0	0	0	0	0	0	460
27	0	0	0	0	0	0	0	5	34	76	74	142	163	171	134	74	22	6	0	0	0	0	0	0	901
28	0	0	0	0	0	0	0	37	103 ?	?	?	?	?	?	?	?	94 ?	20	0	0	0	0	0	0	254 ?
29	0	0	0	0	0	0	0	40	107 ?	?	?	?	?	?	?	?	84 ?	15	0	0	0	0	0	0	247 ?
30	0	0	0	0	0	0	0	4	42	213 ?	?	?	?	?	?	210 ?	178 ?	84 ?	13	0	0	0	0	0	745 ?
31	0	0	0	0	0	0	0	41	?	?	?	?	?	?	?	?	94 ?	20	0	0	0	0	0	0	154 ?
Avg	0	0	0	0	0	0	0	26	83	111	143	173	175	196	151	101	54	7	0	0	0	0	0	0	551 ?
S D	0	0	0	0	0	0	0	12	29	60	88	87	104	95	69	47	25	6	0	0	0	0	0	0	383
S/A	0	0	0	0	0	0	0	0.46	0.35	0.54	0.62	0.5	0.6	0.49	0.46	0.46	0.47	1	0	0	0	0	0	0	0.69
Min	0	0	0	0	0	0	0	4	17	34	40	39	38	37	33	29	6	0	0	0	0	0	0	0	148
Max	0	0	0	0	0	0	0	48	121	213	267	297	322	321	232	178	94	21	0	0	0	0	0	0	1630
n	0	0	0	0	0	0	0	291	183	115	110	77	72	106	125	141	316	66	0	0	0	0	0	0	1606

Daylight Data Recovery: 0.0% missing; 56.6% exceed the 15% QC threshold -- 3703 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.

January 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	3?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	4?
2	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
3	0	0	0	0	0	0	0	0	0	1?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	1?
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?
5	0	0	0	0	0	0	0	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	0?
7	0	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	2?
8	0	0	0	0	0	0	0	1	2?	?	?	?	?	0	0	0	0	0	0	0	0	0	0	0	0	3?
9	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
10	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	1	2?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	3?
12	0	0	0	0	0	0	0	0	0?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	0?
13	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0	3?
14	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	0?	?	0	0	0	0	0	0	0	0	0	3?
15	0	0	0	0	0	0	0	0	1?	?	0?	?	?	0?	?	?	0	0	0	0	0	0	0	0	0	1?
16	0	0	0	0	0	0	0	1	1?	?	?	?	?	?	0?	0?	0	0	0	0	0	0	0	0	0	2?
17	0	0	0	0	0	0	0	1	2?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0	0	0	3?
18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	0?	?	?	0?	0	0	0	0	0	0	0	3?
20	0	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	2?
21	0	0	0	0	0	0	0	1	2?	?	?	?	?	?	0?	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	2?
23	0	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	2?
24	0	0	0	0	0	0	0	1	1?	?	?	?	?	0?	0?	0	0	0	0	0	0	0	0	0	0	1?
25	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	1
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	0	0
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	0
28	0	0	0	0	0	0	0	0	0?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0?
29	0	0	0	0	0	0	0	0	0?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0?
30	0	0	0	0	0	0	0	0	0	0?	?	?	?	?	?	0?	0?	0?	0	0	0	0	0	0	0	0?
31	0	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	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	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S/A	0	0	0	0	0	0	0	0.89	0.95	1.16	2.35	2.72	1.8	3.7	3.67	2.66	3.49	0	0	0	0	0	0	0	0	0.78
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	1	3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	4
n	0	0	0	0	0	0	0	291	188	115	111	82	83	114	130	143	323	66	0	0	0	0	0	0	0	1651

Daylight Data Recovery: 0.0% missing; 55.4% exceed the 15% QC threshold -- 3703 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.

January 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	33 ?	?	?	?	?	?	98 ?	41	0	0	0	0	0	0	0	0	188 ?
2	0	0	0	0	0	0	0	19	61	105	175	223	257	265	187	115	29	0	0	0	0	0	0	0	1436
3	0	0	0	0	0	0	0	19	33 ?	?	?	?	?	?	?	?	18	0	0	0	0	0	0	0	70 ?
4	0	0	0	0	0	0	0	30	97	132	204	216 ?	?	144 ?	166 ?	?	17	0	0	0	0	0	0	0	1005 ?
5	0	0	0	0	0	0	0	24	44 ?	?	?	?	?	267 ?	208 ?	107	13	0	0	0	0	0	0	0	664 ?
6	0	0	0	0	0	0	0	11	50	104	169	210 ?	168 ?	?	?	?	16	0	0	0	0	0	0	0	728 ?
7	0	0	0	0	0	0	0	13	26 ?	?	?	?	?	?	?	?	27	0	0	0	0	0	0	0	65 ?
8	0	0	0	0	0	0	0	16	27 ?	?	?	?	?	220	148	105	54	0	0	0	0	0	0	0	570 ?
9	0	0	0	0	0	0	0	11	35	35	38	35	32	33	32	27	9	0	0	0	0	0	0	0	288
10	0	0	0	0	0	0	0	14	68	168	250	225 ?	290 ?	224 ?	?	?	18	4	0	0	0	0	0	0	1263 ?
11	0	0	0	0	0	0	0	15	29 ?	?	?	?	?	?	?	?	16	3	0	0	0	0	0	0	64 ?
12	0	0	0	0	0	0	0	18	36 ?	?	?	?	?	?	?	?	20	5	0	0	0	0	0	0	80 ?
13	0	0	0	0	0	0	0	17	35 ?	?	?	?	?	?	?	?	17	4	0	0	0	0	0	0	72 ?
14	0	0	0	0	0	0	0	17	33 ?	?	?	?	?	?	123 ?	?	26	6	0	0	0	0	0	0	205 ?
15	0	0	0	0	0	0	0	12	36 ?	?	185 ?	?	?	211 ?	?	?	27	5	0	0	0	0	0	0	475 ?
16	0	0	0	0	0	0	0	27	62 ?	?	?	?	?	?	142 ?	52 ?	21	4	0	0	0	0	0	0	310 ?
17	0	0	0	0	0	0	0	14	26 ?	?	?	?	?	224 ?	226	139	52	7	0	0	0	0	0	0	689 ?
18	0	0	0	0	0	0	0	4	16	50	54	134	148	115	56	69	28	0	0	0	0	0	0	0	676
19	0	0	0	0	0	0	0	29	56 ?	?	?	?	?	254 ?	?	?	20 ?	3	0	0	0	0	0	0	362 ?
20	0	0	0	0	0	0	0	15	29 ?	?	?	?	?	?	?	?	21 ?	5	0	0	0	0	0	0	70 ?
21	0	0	0	0	0	0	0	15	30 ?	?	?	?	?	?	151 ?	111	49	9	0	0	0	0	0	0	364 ?
22	0	0	0	0	0	0	0	15	30 ?	?	?	?	?	?	?	?	20 ?	6	0	0	0	0	0	0	71 ?
23	0	0	0	0	0	0	0	15	30 ?	?	?	?	?	?	?	?	22 ?	11	0	0	0	0	0	0	78 ?
24	0	0	0	0	0	0	0	14	29 ?	?	?	?	?	221 ?	143 ?	104	42	8	0	0	0	0	0	0	561 ?
25	0	0	0	0	0	0	0	45	61	161	107	164	135	87	55	39	13	3	0	0	0	0	0	0	868
26	0	0	0	0	0	0	0	10	42	58	60	80	76	60	56	30	7	1	0	0	0	0	0	0	481
27	0	0	0	0	0	0	0	5	35	80	78	148	169	177	139	77	23	6	0	0	0	0	0	0	937
28	0	0	0	0	0	0	0	18	37 ?	?	?	?	?	?	?	?	23 ?	8	0	0	0	0	0	0	86 ?
29	0	0	0	0	0	0	0	19	32 ?	?	?	?	?	?	?	?	23 ?	7	0	0	0	0	0	0	81 ?
30	0	0	0	0	0	0	0	4	44	185 ?	?	?	?	?	182 ?	149 ?	61 ?	13	0	0	0	0	0	0	638 ?
31	0	0	0	0	0	0	0	16	?	?	?	?	?	?	?	?	18 ?	4	0	0	0	0	0	0	38 ?
Avg	0	0	0	0	0	0	0	17	40	108	132	160	159	179	134	87	25	4	0	0	0	0	0	0	435 ?
S D	0	0	0	0	0	0	0	8	17	53	74	68	85	78	59	39	13	4	0	0	0	0	0	0	384
S/A	0	0	0	0	0	0	0	0.48	0.41	0.49	0.56	0.42	0.53	0.44	0.44	0.44	0.52	0.91	0	0	0	0	0	0	0.88
Min	0	0	0	0	0	0	0	4	16	35	38	35	32	33	32	27	7	0	0	0	0	0	0	0	38
Max	0	0	0	0	0	0	0	45	97	185	250	225	290	267	226	149	61	13	0	0	0	0	0	0	1436
n	0	0	0	0	0	0	0	269	187	115	111	82	83	114	130	143	323	66	0	0	0	0	0	0	1628

Daylight Data Recovery: 0.0% missing; 56.0% exceed the 15% QC threshold -- 3703 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

January 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	7.1	7	6.6	6.6	6.4	5.7	4.9	4.9	6.4	8.7	10.9	12.7	13.6	13.7	13.8	13	11.7	10	8.9	8.6	8	7.3	7.3	7.2	8.8
2	6.6	6.7	6.8	7.6	7.7	7.4	7.3	8	8.6	10	11.5	12.9	13.6	16.2	16.9	16.9	16.6	15.1	13.5	13.1	12.6	12.3	11.9	11.2	11.3
3	11	10.6	9.7	9.5	9.8	9.6	10	9.7	10.8	12.8	15	17.1	18.8	20.2	20.8	21.1	19.8	17.9	17.2	16.3	15.7	15.5	15.2	15.1	14.6
4	14.7	14.6	15.5	16.1	16.3	16.5	16.5	16.3	16.9	17.7	18.4	19.9	22	22.3	22.3	22.4	21.5	20.3	19.4	18.8	18.1	18.2	18.1	17.7	18.4
5	17.4	16.9	17.1	17	16.9	16.6	16.8	17.2	17.9	19.2	21	22.4	23.2	23.8	24.5	24.4	22.9	21	20	20.2	20.2	18	14.1	10.2	19.1
6	9.8	9.7	9.7	9.2	8.2	7.4	6.7	6.4	6.3	6.5	6.6	7.3	8.4	8.6	9	8.8	8.6	7.1	6.1	5.1	4.5	4.2	3.2	1.7	7
7	0.5	-0.4	-1.3	-2	-2.7	-3.7	-4.2	-4.4	-3.8	-2.9	-1.9	-0.9	0.2	0.5	1	1.2	0.4	-0.2	-0.7	-1.1	-1.4	-1.8	-1.8	-1.7	-1.4
8	-1.7	-1.8	-1.8	-1.9	-2.3	-2.7	-3	-3.2	-1.7	-0.3	1.4	2.2	2.8	2.1	2.3	2.5	2.3	2.1	2.3	2.1	2.1	1.9	0.2	-0.8	0.2
9	-0.6	-0.7	-0.9	-0.8	-0.7	-0.1	0.1	0.1	-0.1	-0.3	-0.2	-0.1	0.1	0.2	0.2	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.1	0
10	-0.4	-1.2	-2.1	-3.1	-4	-4.4	-4.5	-4.9	-5.2	-5.2	-5	-4.7	-4.6	-5	-4.7	-4.7	-5.1	-5.8	-6	-6.3	-6.6	-7	-7.3	-7.5	-4.8
11	-7.5	-7.6	-7.7	-7.8	-7.7	-8.8	-10	-9.5	-7.6	-5.1	-3.6	-3.1	-2.5	-2.1	-1.3	-0.8	-1.2	-2.4	-2.7	-2.7	-2.4	-2.3	-2.5	-2.3	-4.6
12	-1.9	-1.5	-1	-0.4	-0.5	0.5	0.7	0.9	2.3	3.7	5.2	7.3	9.2	10.7	12	12.5	12.2	10.4	9.2	8.7	8.5	8.3	8.1	6.6	5.5
13	5.4	5.1	4.7	4.2	4	3.2	2.7	2.1	3.6	6.2	8.8	10.9	12.4	13.5	14.8	14.7	14.2	12.3	11.4	10.7	10.1	8.1	6.3	5.3	8.1
14	4.4	3.3	2.6	1.7	1.1	0.7	0.4	0.2	1.1	2.3	3.4	4.2	4.5	4.3	4.2	4.2	4	3.4	2.9	2.6	2.3	2.1	2.2	2.4	2.7
15	2.8	3.8	4.4	5.3	5.3	5	5.8	5.9	5.9	6.3	5.7	4.8	4.4	2.8	2.4	2.1	1.3	0.2	-0.4	-0.7	-1.7	-1.7	-1.5	-1.6	2.8
16	-2.1	-2.4	-2.4	-2.8	-3.4	-3.8	-4.2	-4.4	-3.7	-2.7	-0.9	0.3	1	1.7	1.7	1.4	1.4	0.6	0	-0.8	-1.2	-1.6	-2	-2.2	-1.4
17	-2.6	-2.8	-3.2	-2.8	-2.5	-2.4	-3.1	-4.2	-2.7	-0.5	1.5	3.8	5.2	5.7	5.8	6.7	6.1	4.9	4.6	4.3	4.1	4.1	4.2	4.3	1.6
18	4	2.9	2.5	2.5	2.6	2.8	3.4	4.4	6.8	9.4	10.3	10.7	14.5	16	16.5	15.5	15.3	14.9	13	9.1	6.6	5.8	4.7	4.2	8.3
19	4	3.3	2.4	1.6	1.3	0.4	0.1	-0.2	0.2	1.1	1.7	2.2	3.4	3.6	4	4	3.8	2.7	2	1.5	0.7	0.2	-0.5	-1.2	1.8
20	-2.1	-2.8	-3.4	-3.8	-4.1	-4.3	-5.1	-5.3	-4.3	-2.9	-1.9	-0.9	0	0.6	1.1	1.5	1.3	0.4	-0.3	-1	-1.3	-1.7	-2	-2	-1.9
21	-2.7	-3.2	-3.5	-4	-4.6	-5.6	-6.1	-6.1	-4.4	-2.7	-1.4	-0.6	0.1	0.4	0.9	0.9	0.8	0.3	-0.2	-0.7	-1.3	-1.2	-0.6	-0.4	-1.9
22	-0.3	0	0.2	0.3	0.5	0.2	0.1	0.1	1.3	3.6	6.3	8.2	9.2	10.4	11.1	11.5	11.5	10	8.7	8.5	8.5	8.2	7.4	6.4	5.5
23	5.3	4.3	3	1.3	-0.1	-1.1	-2.2	-2.9	-2.4	-1.7	-0.4	0.3	1.4	2.3	2.5	3	2.7	1.5	1.1	0.2	-0.6	-0.7	-0.8	-0.2	0.7
24	0.3	1.4	2.2	3.6	3.9	4.4	4.2	3.6	4.5	6.2	7.7	9.6	11.2	12.1	12.1	11.8	5.1	0.9	-0.1	-1	-1.7	-2.3	-2.9	-3.2	3.9
25	-3.1	-3.2	-3.6	-3.9	-4.2	-4.6	-4.6	-4.8	-4.6	-4.3	-4.1	-4.2	-4	-4.2	-5	-5.5	-5.4	-5.1	-3.4	-2.6	-1.3	-0.4	0	0.3	-3.6
26	1	1.5	1.6	2.2	2.3	2.5	2	0.9	1	1.4	2	2.3	2.4	2.5	2.5	3.2	3.1	2.9	2.8	2.6	2.5	2.7	2.6	2.5	2.2
27	2.3	2.1	2.1	2.2	2.1	2.2	2	1.8	1.5	1.5	1.7	2.1	2.8	3.2	3.1	2.3	1.2	0.7	0.4	0.3	0.4	0.5	0.6	0.6	1.7
28	0.8	0.6	0.7	0.2	-0.2	-0.9	-1.7	-2.3	-2.1	-1.4	-0.5	0	0.3	0.6	0.8	1.2	1.4	0.8	0.3	0.5	0.7	0.5	0.1	0.1	0
29	0.6	0.8	0.4	0.2	0.8	1.1	1	2	3.2	4.3	5.6	7.3	7.9	8.7	9.4	9.6	9.2	8	6.9	6	5.5	4.9	4.7	4.7	4.7
30	4.6	4.6	4.5	5	4.8	4.5	4.3	4.3	4.2	5.1	7.1	8.5	9.4	10.2	8.2	3.5	2.1	0.6	-0.6	-1.2	-1.6	-1.5	-1.8	-2.4	3.6
31	-2.7	-2.8	-2.8	-3.4	-4.3	-4.7	-5	-5.2	-4.7	-3.6	-2.1	-0.7	0.4	1.6	2.2	2.8	2.5	1.3	0.2	-0.5	-1.4	-2.1	-2.9	-2.4	-1.7
Avg	2.4	2.2	2	1.9	1.7	1.4	1.1	1	1.8	3	4.2	5.2	6.2	6.7	6.9	6.8	6.2	5.1	4.4	3.9	3.5	3.2	2.7	2.3	3.6
S D	5.5	5.4	5.5	5.7	5.8	5.9	6.1	6.2	6.2	6.3	6.5	6.9	7.3	7.6	7.8	7.7	7.5	7.1	6.8	6.6	6.5	6.3	5.9	5.6	6.1
S/A	2.27	2.45	2.72	2.96	3.41	4.21	5.33	6.15	3.48	2.11	1.56	1.32	1.18	1.14	1.12	1.13	1.2	1.4	1.54	1.69	1.85	1.97	2.18	2.39	1.7
Min	-7.5	-7.6	-7.7	-7.8	-7.7	-8.8	-10	-9.5	-7.6	-5.2	-5	-4.7	-4.6	-5	-5	-5.5	-5.4	-5.8	-6	-6.3	-6.6	-7	-7.3	-7.5	-4.8
Max	17.4	16.9	17.1	17	16.9	16.6	16.8	17.2	17.9	19.2	21	22.4	23.2	23.8	24.5	24.4	22.9	21	20	20.2	20.2	18.2	18.1	17.7	19.1
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 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.

Prepared by: Afshin M. Andreas, NREL

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

January 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	73.4	69	66.5	61	58.5	60	62.8	61.8	58.7	51.3	46.4	45.6	42.4	42	42.1	43.8	55.7	61.6	63.4	64.3	68.8	73.7	75.9	72.6	59.2
2	75.4	77.8	81.7	81.5	87.5	91.6	93.6	91.6	83.7	74.7	68.1	62.3	61.8	50	47.3	49.2	52.2	57.5	64.9	66.7	68.5	69.3	70.8	74.4	70.9
3	73.7	74.9	79.4	80.6	78.6	81	82.9	85.9	85.3	82.3	78.8	74.2	69.9	66.6	65.6	67.7	73.9	81.4	85.7	90.1	94	96.3	98	99.4	81.1
4	100.2	100.8	99	98	98	97.6	97.7	98.6	97	93.5	89.8	83.4	74.4	71.9	71.3	70.3	72.5	77.6	81.3	83.8	86.4	88	90.3	91.1	88
5	89.5	89.8	88.5	86.3	86	93	98.4	100.1	99	95	87.3	79.5	74.8	71.3	69	69	78.8	93.1	99.1	95.6	94	97	102.9	102.6	89.2
6	101.8	100.6	96.7	92.1	84.3	78.4	78.4	78.1	74.7	71	65.4	61.6	56.9	54.1	53.6	53.8	51.7	58	61.7	63.2	61.8	56.6	53.5	47	69
7	49.7	41.6	38.9	43.6	45.3	54.5	52.4	52.5	50.8	45.7	41.1	37.7	35.1	35.6	35.4	34.5	38	43.7	48.8	48.4	49.3	52.6	54.3	53.8	45.1
8	53.2	54.9	55.5	56	57.3	58.6	61.1	62.5	56.7	50.5	43.9	38.3	38	40.4	41	40.1	42	45.7	43.4	43.5	43.1	45.5	84.6	101.9	52.4
9	101.7	102.4	104.3	104.5	104.1	102.8	100.3	101	102.4	104.2	?	?	?	104.9 ?	104.7	104.4	103.8	104	102.9	101.7	100.7	100.1	99.2	97.6	102.5 ?
10	96.2	94.7	91.9	83.2	79.9	81.1	78	75.2	76	75.7	76.6	76.7	79.5	84.4	76.1	69	69.9	72.6	68.7	65.6	64.3	65	66.1	64.2	76.3
11	63.5	65.6	67.1	68.9	71.1	79.6	86.9	83.6	74.1	66.6	62.2	61.5	56.9	55.6	50	50.1	51.7	68	67.7	66.5	72.5	67.2	68.3	69	66.4
12	70.3	71.2	70.2	68.3	72	74.1	75.9	77.4	73.5	69.6	66.2	61.4	56.5	53.1	51.4	50.8	52.3	59	63.4	65.6	66.6	67.4	68	74.1	65.8
13	78.7	80.1	81.4	83.6	84.4	87.9	89.9	93.1	86.8	78.1	70.3	61.6	53.1	47.4	39.6	38.2	40	45.6	47.1	50.5	52.5	61.5	69.1	71.9	66.4
14	74.7	78.4	79.3	78.7	77.4	75.3	77.4	77.9	73.9	66.1	64.9	64.3	63.7	68.6	71.8	75.1	80.2	87.9	92.6	96.6	98.8	100.2	101.5	100	80.2
15	98.2	97.2	97.8	94.9	94.4	95.4	89.7	83.9	77.1	64.8	64.1	62.4	60.1	65.7	64.5	64.7	67.5	72.1	75.1	78.6	85.2	86.6	86.8	84.4	79.6
16	82.8	84.3	82.4	76.2	63.6	63.7	66.5	64.1	58	50.4	41.3	32.8	28.1	25.5	26.6	27.7	30.2	33	33.7	35.8	36.5	38.5	41.4	44.2	48.6
17	44.1	39.9	41.9	38.3	36.1	37	43.3	48.1	45	42.2	44	41.3	39.1	36.2	34.9	31.2	36.3	50.6	46.3	46.9	55.2	62.9	61.6	58.2	44.2
18	65.7	88.4	98.2	100.8	102.3	103.5	104.4	104.7 ?	?	?	?	?	?	101.3	97.2	100.5	101.3	101.4	100.3	100.6	98.1	96.9	96.2	91.3	97.5 ?
19	83.5	74.9	78.4	78.7	80.3	81.9	75.8	78.3	71.8	67.8	60.1	51.5	48.1	44.7	42.7	42	46.1	53.6	58.4	60.9	59.3	58.5	64.8	65.9	63.7
20	67	61.8	59.7	59	60.6	59.6	67.6	68.9	64.3	56	49.9	46.5	45.2	42.4	40.9	39.1	38.8	40.2	43.3	47.5	49.6	51	52.5	52.1	52.6
21	50.7	50	53.6	57.7	62.4	69.6	70.9	73.5	67.3	56.5	49.6	45.1	41.4	39.7	40.2	41.8	43.2	46.4	50.7	55.2	62.4	65.9	69.3	71.5	55.6
22	73.8	73.4	73.7	71.6	69.8	73	73.7	74.8	74.2	68.4	55.8	48.3	47.6	46.7	45	44.5	44.1	49.7	54.3	54.6	55.1	54.4	55.5	53.7	59.8
23	53.9	53.5	57.2	59.6	67.9	68.8	70.3	68.8	64.1	57.7	51.3	49.8	44.2	37.3	35.4	36.8	36	39.3	37.3	40.4	46.8	48.6	55.8	69.1	52.1
24	68.4	60.5	59.2	54.9	51	49.1	49.8	53	52	48.8	45.2	44.1	43.3	44.2	44.3	45.9	73.4	88.5	91.4	87	85.4	85.6	84.8	83.6	62.2
25	78.5	71.8	69	68.7	72	75.2	73.4	68.2	59.6	61.5	61.6	62.6	67.4	75.3	92.9	100.2	101.9	104.1	?	?	?	?	?	?	75.8 ?
26	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
27	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
28	102.5	102.1	98.2	95	94.8	94.9	88.6	84.5	78.1	68.7	61.5	57.6	54.9	52.9	54.3	54.8	54.2	58.5	62.9	59.8	56.5	56.9	57.8	58.4	71.2
29	56.3	53.9	55.6	56.4	52.6	51.2	52.6	49.8	47.6	48.4	46.8	44.4	42.5	42.1	41.3	41	42	46	49.9	52.6	52.8	54.7	56.6	57.2	49.8
30	57.4	57.1	59.5	56.2	57.5	60	61.5	62.3	68.3	69.3	56.4	50.7	48	45	58.3	77.7	78.3	82.2	85.3	88.7	90.9	89.4	88.8	93.4	68.4
31	95.6	95.7	95.3	83.4	72.9	69.9	62.4	56.7	48.6	42.3	39.1	38	36.7	36.4	36.9	36.9	37.5	42.1	48.4	50.6	54.4	59.5	62.6	60.3	56.8
Avg	75.2	74.7	75.2	73.7	73.2	74.8	75.4	75.1	70.3	65.3	58.8	54.9	52.2	54.5	54.3	55.2	58.4	64.3	65.3	66.5	68.2	69.6	73.9	74.7	67.3
S D	17.6	18.7	18.3	17.4	17.2	17	16.1	16	15.5	15.9	14	13.6	13.4	19.4	19.9	21.1	21.2	21.2	20.2	19.6	19	18.4	18.2	18.6	15.3
S/A	0.23	0.25	0.24	0.24	0.24	0.23	0.21	0.21	0.22	0.24	0.24	0.25	0.26	0.36	0.37	0.38	0.36	0.33	0.31	0.29	0.28	0.26	0.25	0.25	0.23
Min	44.1	39.9	38.9	38.3	36.1	37	43.3	48.1	45	42.2	39.1	32.8	28.1	25.5	26.6	27.7	30.2	33	33.7	35.8	36.5	38.5	41.4	44.2	44.2
Max	102.5	102.4	104.3	104.5	104.1	103.5	104.4	104.7	102.4	104.2	89.8	83.4	79.5	104.9	104.7	104.4	103.8	104.1	102.9	101.7	100.7	100.2	104.8	104.4	102.5
n	348	348	348	348	348	348	348	343	336	336	324	324	324	340	348	348	348	348	336	336	336	336	346	348	8171

Data Recovery: 0.0% missing; 8.2% 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

January 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	5	4.8	4.7	4.6	4.3	3.8	3.1	3.9	7.1	10.6	13.8	15.7	16.3	16.3	15.7	13.9	11.2	8.7	7	6.3	5.2	4.9	4.6	8.2
2	4.5	4.5	5.1	6.1	6.9	7.1	6.7	7	7.6	8.7	10.3	12.2	13.7	15.4	16.9	17.3	17.3	15.9	13.9	12.4	11.4	10.8	10.4	9.9	10.5
3	9.3	9	8.3	7.8	7.8	7.9	8	8.5	9.4	11.8	14.4	17.1	19.3	21	22	22.3	21.7	19.6	17.6	16.4	15.4	14.9	14.6	14.4	14.1
4	14.3	14	14.1	14.8	15.2	15.7	16	16	16.5	17.4	18.5	19.6	21.9	23.4	23.4	23.5	23	21.4	19.9	18.6	17.9	17.4	17.4	17.1	18.2
5	16.8	16.4	16.1	16.2	16.2	16.2	16.1	16.2	16.9	18.7	20.8	22.8	24.2	24.9	25.3	25.5	24.7	22.6	21.2	20.3	19.8	19.3	17.3	14	19.5
6	11.4	10.2	9.7	9.6	9.2	8.5	7.8	7.1	6.8	6.8	7.2	7.8	9.6	10.9	11.1	10.7	10	8.1	5.8	4.3	3.2	2.7	2.4	1.5	7.6
7	0.1	-1.2	-2.2	-3.1	-4.1	-5	-5.8	-6.3	-5.3	-3.2	-1.1	0.7	2.2	3.1	3.2	2.8	1.7	0.1	-1.1	-2	-2.6	-3.5	-4	-4	-1.7
8	-4.2	-4	-3.7	-3.8	-4.4	-4.7	-5.1	-5.5	-4.1	-1.1	1.8	4.3	5.9	6.1	4.7	3.9	3.3	2.5	2	1.7	1.3	1.4	1.3	0.4	0
9	-0.2	-0.4	-0.6	-0.8	-0.9	-0.9	-0.5	-0.1	0.1	0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.8	0.6	0.4	0.3	0.2	0.1	0.2	0.3	0.1
10	0.1	-0.3	-1	-1.8	-2.8	-3.6	-4.1	-4.4	-4.6	-4.7	-4.2	-3.5	-2.3	-2.4	-2.6	-2.6	-3	-4.5	-6.2	-7	-7.6	-8.2	-8.6	-8.9	-4.1
11	-9.2	-9.4	-9.7	-9.8	-9.8	-9.9	-10.9	-11.6	-10	-6.5	-2.8	-0.2	1.2	2	1.7	1.3	0.9	-0.9	-3.3	-4.1	-4.3	-4.1	-3.9	-4	-4.9
12	-3.8	-3.5	-3.1	-2.5	-1.9	-1.6	-0.9	-0.5	0.7	3	5.2	7.4	9.5	11.2	12.4	13.1	13.2	11.9	9.8	8.4	7.6	7.2	6.9	6.3	4.9
13	4.9	3.8	3.1	2.4	2.1	1.6	1.1	0.3	1.4	4.5	7.9	10.9	12.9	14.3	15.2	15.7	15.3	13.7	11.2	9.9	9.1	8.2	6.5	4.8	7.5
14	3.4	2.2	1.6	0.9	0.1	-0.6	-1.2	-1.8	-0.7	1.6	4.1	6	7.3	7.7	7.2	6.5	5.9	4.4	2.6	1.8	1.1	0.5	0.4	0.9	2.6
15	1.4	2.2	2.9	3.7	4.3	4.5	4.7	5.1	5.4	6.6	7.9	7.9	7.8	7.2	6	4.9	3.7	1.7	-0.7	-2.3	-3.3	-4.3	-4.6	-4.5	2.8
16	-4.6	-5	-5.1	-4.9	-4.9	-5	-5.3	-5.7	-5	-3.1	-0.5	1.7	3.1	3.9	3.9	2.8	1.8	0.9	-1	-2.1	-3.1	-3.5	-3.8	-4.2	-2
17	-4.7	-5.1	-5.3	-5.6	-5.1	-4.7	-4.5	-5.1	-4.2	-1.4	1.7	5.1	7.6	8.9	8.8	8.7	8.1	6.8	5.6	5	4.6	4.3	4.2	4.4	1.6
18	4.2	3.4	2.7	2.4	2.5	2.6	2.9	3.5	4.6	6.7	8.8	10.2	12	14.1	15.8	16	15.6	15.3	14.5	12.5	9.2	7.3	6.3	5.3	8.3
19	4.7	4.2	3	1.2	1	0.3	-0.3	-0.9	-0.3	1.5	3.6	5	5.9	6.8	6.3	6.1	5.5	3.8	1.3	-0.3	-1.1	-1.5	-2.1	-2.6	2.1
20	-3.3	-4	-4.5	-5	-5.5	-6	-6.4	-7	-5.9	-3.4	-1.1	0.9	2.4	3.1	3.3	3.2	2.8	1.4	-0.7	-2.3	-3.3	-3.9	-4.7	-4.8	-2.3
21	-4.6	-4.7	-4.8	-5.2	-6	-6.8	-7.5	-8	-6.7	-3.5	-0.4	2.2	3.6	4	3.6	3	1.9	0.6	-0.7	-2	-3.5	-4.4	-4.2	-3.6	-2.4
22	-3.2	-2.9	-2.5	-2.2	-1.8	-1.6	-1.6	-1.7	-0.4	2.3	5.4	8.3	10.2	11.5	12.2	12.5	12.5	11.4	9.1	7.9	7.8	7.6	7	5.7	4.7
23	4.4	3.1	1.8	0.6	-0.4	-1.6	-2.5	-3.4	-3.1	-1.4	0.9	2.9	4.1	4.8	5	4.8	4.3	2.9	0.9	-0.7	-2	-3.1	-3.2	-2.6	0.7
24	-1.9	-1.1	-0.2	1	2.4	3.1	3.5	2.9	3.4	5.7	8	10.4	12.1	13.3	13.6	13.4	11.3	5.9	1.9	-0.1	-1.4	-2.4	-3.2	-4	4.1
25	-4.4	-4.6	-4.7	-5.1	-5.4	-5.7	-5.6	-5.6	-5.1	-4.4	-3.7	-3.3	-3	-2.9	-3.4	-4.1	-4.6	-4.8	-4.5	-3.6	-2.6	-1.4	-0.5	-0.1	-3.9
26	0.2	0.7	1.1	1.4	1.9	2.2	2.3	1.9	1.4	1.4	1.7	2.2	2.5	2.7	2.8	3	3.3	3.3	3.1	3	2.8	2.8	2.8	2.8	2.2
27	2.7	2.5	2.4	2.4	2.4	2.4	2.3	2.1	2.1	2.3	3	3.3	4.2	4.8	4.6	3.5	2.2	1.4	1	0.7	0.7	0.7	0.7	0.7	2.4
28	0.7	0.6	0.4	0	-0.4	-1	-2.1	-2.9	-2.4	-0.9	0.6	1.9	2.6	3	3	2.7	2.6	1.8	0.2	-0.6	-0.8	-0.8	-1.1	-1.3	0.2
29	-1.3	-1	-0.8	-1	-1	-0.6	-0.4	0	1.7	3.8	5.8	7.7	9.2	10.1	10.7	10.8	10.6	9.4	7.3	5.8	4.9	4.1	3.6	3.4	4.3
30	3.4	3.4	3.5	3.7	4.2	4.3	4.2	4.2	4.1	4.6	6.5	9	10.7	11.9	12.4	10	6.6	3.8	1.2	-0.7	-2	-2.9	-3.3	-4.2	4.1
31	-4.8	-4.8	-4.8	-4.9	-5.6	-6.4	-6.8	-6.8	-5.5	-3.5	-1.2	1	3	4.1	4.7	4.7	4.4	3	-0.1	-2.3	-3.5	-5	-5.7	-5.8	-2.2
Avg	1.3	1.1	0.9	0.7	0.7	0.5	0.3	0	0.7	2.5	4.5	6.3	7.7	8.6	8.7	8.5	7.8	6.3	4.6	3.4	2.7	2.1	1.7	1.3	3.5
S D	5.9	5.8	5.7	5.8	6	6.2	6.3	6.5	6.3	6.1	6.1	6.3	6.6	7	7.3	7.5	7.2	7.1	7	6.9	6.8	6.6	6.3	6.1	6.1
S/A	4.46	5.37	6.47	7.79	8.85	12.85	24.65	194.2	8.77	2.46	1.36	1	0.86	0.81	0.83	0.88	0.95	1.14	1.56	2.04	2.58	3.23	3.81	4.71	1.76
Min	-9.2	-9.4	-9.7	-9.8	-9.8	-9.9	-10.9	-11.6	-10	-6.5	-4.2	-3.5	-3	-2.9	-3.4	-4.1	-4.6	-4.8	-6.2	-7	-7.6	-8.2	-8.6	-8.9	-4.9
Max	16.8	16.4	16.1	16.2	16.2	16.2	16.1	16.2	16.9	18.7	20.8	22.8	24.2	24.9	25.3	25.5	24.7	22.6	21.2	20.3	19.8	19.3	17.4	17.1	19.5
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

January 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	2.2	2.3	2.5	2.8	2.2	2.3	2	0.7	0.8	0.7	0.7	1.7	3.1	2.7	2.2	2.2	1.4	0.9	0.7	1.6	0.3	0.9	0.7	0.8	1.6
2	0.3	1.4	1.6	1.2	1.6	1.3	2	2.1	1.9	2.2	2.5	3.6	3.1	4.4	4.2	3.2	1.9	0.2	1	0.7	0.8	0.9	1.3	1.5	1.9
3	1.8	1.2	1.3	1.7	1.9	1.9	2.2	2.3	2.4	3.8	4.8	4.3	3.9	3.4	3.3	3.2	2.5	2.9	2.5	2.5	2.3	2.8	3.2	3.3	2.7
4	3.1	3.2	4.5	4.7	4.3	3.9	4.5	3.7	4	3.9	4.7	5.9	7.8	7.6	5.8	5.6	4.6	3	2.2	2.3	3.3	4.3	4	3.8	4.4
5	3.6	3.1	3.5	4.4	5.2	5	5.3	5	3.9	4.3	6.5	7.4	7.8	6.8	6.6	6.1	6.1	5.9	4.5	4.8	3.8	4.5	3.3	4.1	5.1
6	3	2.1	2.7	3.6	4.1	4	3.4	2.8	2.9	2.5	2.8	1.8	2.1	2.5	2.7	3.1	2	1.6	1.8	1.7	2.4	3.1	3.3	2.8	2.7
7	2.7	3.5	3.5	2.8	2.1	2.2	2.3	2.1	2.9	3.7	3.6	3.3	2.5	2.9	4.1	3.4	2.8	2.3	2.3	2.3	1.2	1	1.4	1.4	2.6
8	2.1	2	1.7	1.4	1.1	1	0.9	1.4	1.2	2.1	1.8	1.7	1.3	2.6	2.3	2.1	1.9	0.7	0.6	0.4	0.2	0.8	1.4	0.9	1.4
9	0.7	1.1	0.5	0.4	0.1	0.2	2.2	3.1	3.2	2.2	0.7	0.9	0.9	1.1	1.5	1.5	2.8	3.5	3.5	3.6	4.2	4.2	5	5.1	2.2
10	5.5	5.5	5.6	5.9	4.8	4.6	5	5.4	5.3	5.4	5.5	5.3	5.2	4.6	4.9	4.6	3.9	3.3	2.8	2.4	2.1	2.2	2.4	2.3	4.4
11	1.8	1.7	1.6	1.8	1.4	1.2	0.8	1	0.7	0.5	1	0.9	0.8	1.6	1.8	1.3	2.3	1.2	1.3	2.1	2.2	3.2	2.3	2.6	1.6
12	3.1	3.1	3.5	4.4	4.3	4.7	5.1	5.3	5.2	5.6	5.4	5.4	5.5	5.3	4.8	5.4	4.6	4.1	3.7	3.2	3.3	3.4	2.8	1.9	4.3
13	1.5	1.2	0.7	1.3	0.7	1.2	0.3	0.6	1.5	2.5	3.4	4.2	5.4	5.7	5.1	5.6	4.1	2.2	2.4	2.7	2.4	2.5	2.1	1.2	2.5
14	0.9	1.8	2.9	2.3	2.1	1.9	1.1	1.6	2.5	3.2	3.5	3.9	3.8	3.9	3.2	3.6	3.6	1.8	2.6	1.1	0.8	0.4	1.7	1.2	2.3
15	1.6	2	3.2	3.7	3.7	3.7	3.1	3.4	3.5	5.3	6.1	5.7	4.7	4.6	4.2	3.3	2.8	1.8	0.3	0.3	0.1	0.1	0.2	0.5	2.8
16	0.2	0.4	1.9	2	3.5	3.3	2.3	1.7	2.2	3.1	3.3	4	4.3	3.9	3.9	3.3	2.9	1.8	1.6	1.4	1.8	2	2	1.5	2.4
17	1.4	1.4	1.1	2.2	2.5	3	1.6	1.1	1.4	2.6	2.4	1.7	1.7	2.1	1.3	0.5	1	1.4	0.7	1.6	1.6	1.6	1.4	1.4	1.6
18	1.5	1	0.4	0.8	0.8	1.3	0.5	0.3	1.8	1.8	0.4	0.3	3	3.6	4.6	6	5.2	4.5	4.5	5.6	4.6	4.3	3.7	3.4	2.7
19	2.9	3.2	1	1.5	2.2	1.2	1.7	1.6	2.3	1.9	2.6	3.3	2.4	3	2.7	2.8	2.1	1.5	0.9	1	1.8	1.9	2	2	2.1
20	2.3	2.9	3.2	3	2.1	2.4	1.6	1.7	2.4	3.2	3.7	2.9	3	3.3	3.5	3.4	3	2	1.2	1	1	0.6	1	1.8	2.3
21	2.3	2.1	2.5	1.5	1	1.2	1.1	0.4	0.6	1.6	1.2	1.5	2.3	2.9	3.1	2.5	1.9	0.5	0.3	0.1	0	0.7	1.3	1.5	1.4
22	1.7	1.9	1.9	2	2.2	2.2	2	1.7	2.5	3.3	3.9	4.9	5	5.3	5.7	4.7	4.7	3.1	3.3	3.9	4.3	4.1	2.6	2.1	3.3
23	1.7	1.2	0.9	2.9	2.8	2.7	3.1	2.9	3	2.3	1.3	2.4	3	3.1	3.1	3	3.6	3	2	0.5	0.3	0.7	1.2	2.4	2.2
24	2.3	2.8	3	3.5	4.3	3.6	3.3	2	1.3	2.6	3.8	4	5.6	5.4	3.5	3.2	4.5	4.3	3.8	4.7	4.3	3.4	2.9	2.9	3.6
25	3.2	2.7	2.8	2.8	2.1	2.4	3.4	3.3	3.7	4.3	3.5	3.4	3	3.4	3	3.2	2.5	2.7	2.6	2.4	3.8	4.2	3.2	2.8	3.1
26	3.2	2.7	2.6	3.7	3.9	3.2	3.2	3.6	3.4	3	2.4	3.2	2.9	3.5	2.9	2.1	2.5	1.9	2.4	2.9	3.5	3.1	3	2.4	3
27	2.4	2.8	1.6	1.7	0.9	0.3	1.6	2.6	2.2	1.2	1.1	1.2	1	0.9	1.6	2.2	2.6	2.5	3.5	4.6	5.5	5.5	4.6	3.6	2.4
28	3.1	3.7	3.1	2.3	2.3	2.3	2.5	3	3.8	4.3	5.6	5.8	5.9	6	6.1	5.9	5.1	4.2	4.1	4.5	4	3.4	3.3	3.6	4.1
29	4.2	4	4	4.1	4.2	4.6	4.9	5.7	6.6	6.2	6.7	6.6	6.3	6.5	5.5	5.7	5.2	3.7	3.2	3.8	3.1	2.8	2.9	3.5	4.8
30	4.1	3.6	3.1	4.3	2.9	2.9	3	2.8	1.1	3.2	4.3	4.5	4.3	4.5	3.8	4.4	3.9	3.7	2.9	2.4	1.4	0.5	0.1	0.3	3
31	1	0.8	1	2.3	1.5	2	2.7	3.6	4	3.5	2.7	2.6	2.9	2.7	3.5	2.7	2.2	1.1	0.2	0.8	0	0	0.1	0.2	1.8
Avg	2.3	2.3	2.4	2.7	2.5	2.5	2.5	2.5	2.7	3.1	3.3	3.5	3.7	3.9	3.7	3.6	3.2	2.5	2.2	2.4	2.3	2.3	2.3	2.2	2.8
SD	1.2	1.1	1.2	1.3	1.4	1.3	1.4	1.5	1.4	1.4	1.8	1.8	1.9	1.6	1.4	1.5	1.3	1.3	1.3	1.5	1.6	1.6	1.3	1.2	1
S/A	0.51	0.48	0.52	0.48	0.53	0.52	0.54	0.58	0.52	0.45	0.55	0.53	0.51	0.42	0.38	0.42	0.4	0.54	0.58	0.64	0.7	0.67	0.56	0.54	0.37
Min	0.2	0.4	0.4	0.4	0.1	0.2	0.3	0.3	0.6	0.5	0.4	0.3	0.8	0.9	1.3	0.5	1	0.2	0.2	0.1	0	0	0.1	0.2	1.4
Max	5.5	5.5	5.6	5.9	5.2	5	5.3	5.7	6.6	6.2	6.7	7.4	7.8	7.6	6.6	6.1	6.1	5.9	4.5	5.6	5.5	5.5	5	5.1	5.1
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: 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

January 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	230	224	225	231	245	259	264	283	353	20	18	50	60	66	93	107	152	155	148	135	144	112	135	146	170
2	144	157	164	168	156	161	175	194	192	226	223	213	207	216	237	234	208	84	164	185	199	198	193	204	203
3	210	194	195	201	211	203	215	198	223	228	236	230	223	209	209	203	201	195	193	199	206	192	199	205	210
4	201	210	227	229	224	225	229	223	223	224	229	236	235	228	223	226	218	200	189	187	192	191	190	219	
5	188	189	194	192	194	190	194	198	194	204	217	217	227	227	229	225	222	222	227	227	228	296	337	16	217
6	14	10	353	357	2	355	2	1	357	357	341	327	304	294	270	276	277	271	285	284	294	296	297	295	326
7	293	305	305	296	296	288	284	288	279	299	299	303	302	289	270	278	277	268	267	257	240	217	221	232	284
8	231	243	255	269	280	264	273	257	281	303	314	293	266	242	251	266	256	265	285	290	295	265	295	299	268
9	302	228	221	180	191	355	17	356	359	356	315	314	316	313	325	329	344	357	353	350	348	348	349	357	347
10	356	356	349	347	355	355	355	353	356	359	355	2	350	345	352	354	358	352	349	334	323	320	317	314	350
11	321	311	316	317	318	292	282	287	292	303	327	287	283	248	272	234	213	191	214	189	201	226	209	209	253
12	205	201	206	219	215	224	229	229	237	243	234	237	237	244	234	238	239	232	230	229	229	229	256	270	231
13	254	251	255	252	266	247	239	216	224	257	263	268	270	264	268	270	269	257	228	238	264	10	21	0	266
14	5	30	24	34	32	40	24	34	47	52	61	67	82	94	114	101	112	116	123	120	128	112	128	145	76
15	171	183	231	247	262	268	275	316	327	336	344	355	347	17	27	21	28	35	68	81	246	331	335	342	332
16	297	285	314	327	333	330	324	308	310	317	303	302	301	312	299	295	284	280	281	275	274	272	272	282	303
17	286	279	297	320	317	324	287	287	305	348	344	278	277	256	246	250	210	166	179	151	145	137	173	180	280
18	189	204	142	104	89	95	109	119	134	150	154	207	197	226	245	237	231	252	293	322	338	353	354	345	269
19	335	333	325	324	340	344	356	347	349	353	322	325	312	292	290	302	301	306	305	329	329	337	345	330	325
20	344	338	324	317	312	309	288	285	294	313	314	308	294	297	294	299	302	305	305	291	305	312	308	332	308
21	329	323	329	317	290	286	288	277	293	315	309	291	285	256	253	252	253	246	216	202	182	195	200	190	279
22	194	197	202	210	219	225	224	220	227	237	243	249	230	242	231	219	231	222	219	223	228	256	291	300	232
23	300	298	336	9	14	23	33	32	2	359	308	282	292	291	281	273	268	262	275	217	159	152	171	162	315
24	173	185	193	215	232	246	255	259	260	266	262	258	265	269	281	322	19	5	10	2	5	24	36	38	292
25	29	18	13	11	6	32	28	26	13	24	13	17	22	21	19	19	12	35	48	44	61	73	64	63	30
26	52	9	24	18	9	347	341	353	357	348	334	341	332	341	351	345	341	342	331	340	335	337	329	328	350
27	346	346	318	346	323	302	303	309	321	321	299	295	295	279	273	269	275	261	254	257	264	270	273	277	285
28	271	267	279	281	284	279	282	278	282	287	288	287	276	275	273	272	275	269	262	267	262	253	240	237	273
29	254	250	242	242	249	247	248	248	259	264	262	262	263	264	268	260	259	240	231	230	231	231	227	228	251
30	231	226	223	232	227	234	247	276	250	222	257	264	268	272	354	52	50	41	38	34	20	338	311	261	268
31	292	291	306	316	316	309	309	308	306	309	299	296	329	322	324	293	303	295	313	353	6	178	238	296	309
Avg	277	274	275	281	283	281	282	289	296	297	287	281	274	271	272	269	268	268	266	268	274	282	284	284	278
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

January 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	2.9	3.1	3.4	3.5	3	3.3	2.9	1.5	1.7	1.6	1.8	3	4.8	4.1	3.6	3.1	2.2	1.6	1.2	2.3	0.6	1.4	1.2	1.5	2.5
2	0.8	2	2.2	2.1	2.5	2.2	3	3.1	2.9	3.3	4	5.5	4.9	6.7	6.1	4.8	3.1	0.5	1.6	1.3	1.3	1.4	1.8	2.2	2.9
3	2.5	1.7	1.9	2.5	2.8	2.6	3.2	3.3	3.6	5.8	6.4	5.9	5.7	5	5.2	4.6	3.7	4.3	3.7	3.9	3.3	3.9	4.5	4.7	3.9
4	4.3	4.6	6.1	6.3	6.5	5.8	6.3	5.5	6	5.9	7.6	9.1	11.6	10.9	8.8	8.4	6.6	4.5	3.2	3.5	5.1	6.3	6.1	5.4	6.4
5	5.5	4.8	5.1	6.4	7.5	7.5	7.8	7.7	6	6.4	10.1	11.4	11.7	10	10.4	9.3	9.1	8.8	7	7.4	5.6	7.9	5.8	6.3	7.7
6	5.1	3.7	4.3	5.4	6.5	6.5	5.4	4.6	4.5	3.9	4.8	3.3	4.4	4.8	5	5.2	3.8	3	3.3	3.1	4.4	5.7	5.7	5.3	4.7
7	5.1	7	6.4	5.3	4.4	4	4.5	4	5.1	6.7	6.4	6.1	5.4	5.5	7	6.2	4.9	4.2	3.7	3.5	2.1	1.5	2.2	2	4.7
8	2.6	2.7	2.4	2.2	2	1.8	1.6	1.9	2.6	3.8	3.6	3.6	2.9	4.3	3.9	3.5	3	1.5	1.5	1.1	0.7	1.5	2.8	2	2.5
9	1.8	2	1.1	1	0.5	0.4	3.6	4.7	4.7	3.5	1.9	2.1	2.4	2.7	3.1	2.9	4.5	5.6	5.4	5.7	6.3	6.2	7.3	7.8	3.6
10	8.6	8.7	8.2	9.2	7.4	7.2	7.6	8.2	8.7	8.4	8.2	8.4	8	7.3	7.4	6.9	6.2	5.1	4.5	4	3.5	3.8	4.4	4.6	6.8
11	3.3	3.3	3.3	3.2	2.8	2.2	1.7	2.2	2.2	1.6	2.1	2.5	2	3.3	3.3	2.4	3.6	2.1	2.2	3.1	3.5	4.5	3.5	3.8	2.8
12	4.5	4.3	5.1	6.7	6.4	7.1	7.3	7.2	7.6	8	7.9	8.1	7.7	7.8	7.1	7.7	6.3	5.7	5	4.5	4.6	4.6	4.1	3	6.2
13	2.3	1.7	1.3	1.8	1.3	1.6	0.5	1.2	2.2	3.8	5.6	7.3	8.5	9.1	8.9	9	7.2	3.4	3.3	3.8	3.7	4	3.3	2.2	4
14	1.7	3	4.7	3.8	3.3	3	2.1	2.5	4.1	4.7	5.3	5.6	6	5.8	5.3	5.3	5.6	3	3.9	2	1.4	0.9	2.5	2	3.6
15	2.5	3	4.6	5.6	5.7	5.6	5.1	5.6	6.5	8.6	9.2	8.8	7.6	7.3	6.4	5.5	4.4	3.1	1	1	0.3	0.2	0.7	1.1	4.6
16	0.8	1	3.5	3.9	5.5	5.3	4.1	3.5	4.4	5.4	6.3	7.6	7.7	7.4	7.4	6.2	5.2	3.3	2.9	2.6	3.2	3.4	3.1	2.6	4.4
17	2.7	2.6	2.3	3.8	4.5	4.8	3.2	2.5	3.1	4.1	3.8	3.2	3.5	3.7	2.7	1.5	1.9	2.3	1.6	2.6	2.6	2.6	2.4	2.4	2.9
18	2.5	1.8	1.1	1.6	1.6	2.4	1.4	0.9	3	3.5	1.2	0.7	5	5.6	7.1	9	7.5	7.1	8.7	8.8	7.6	6.8	6.2	5.4	4.4
19	5	5.6	2.5	3.1	3.9	2.5	3	2.9	3.8	3.2	4.5	5.7	4.7	5.6	5.2	5	4.2	3.1	2	2	3.1	3.1	3.3	3.5	3.8
20	4	4.8	5.9	5.3	4.2	4.4	3.1	3.2	4.2	5.5	6.4	5.4	6	6.3	6.5	6.4	5.6	3.9	2.6	2.2	2.1	1.4	1.9	3.2	4.4
21	3.7	3.9	4	3	2.4	2.4	2.3	1.1	1.8	3.4	2.7	3.2	4.4	5.1	5	4.1	3.1	1	0.9	0.5	0.2	1.4	2	2.2	2.7
22	2.3	2.9	2.7	3	3.4	3.2	2.9	2.6	3.7	4.7	5.8	7.3	7.3	7.9	8.4	7	6.7	4.6	4.6	5.5	6.1	6	4.5	3.8	4.9
23	3.1	2.5	1.9	4.8	4.6	4.4	5	4.5	4.8	3.9	3.1	4.6	5.6	5.7	5.3	6.1	4.8	3.8	3.8	0.9	0.7	1.3	1.9	3.3	3.8
24	3.4	4.6	4.5	5.4	5.9	5.6	4.9	3.3	2.6	4.4	6.6	7.1	9	9.3	6.1	5.6	6.5	6.8	5.9	7.5	6.7	5.5	4.7	4.3	5.7
25	5.5	4.7	4.7	4.5	3.6	4.1	5.7	5.4	6.1	7.2	5.6	5.4	4.6	5.2	5	5.2	4.2	4.3	4.3	3.9	6.1	6.4	5.3	4.8	5.1
26	5.7	4.2	4	5.4	6.2	5.1	5	5.5	5.2	4.7	4.1	4.9	4.8	5.4	4.8	3.8	4.3	3.8	4.3	4.7	5.3	5	4.7	4.1	4.8
27	4.2	4.7	3.5	3.4	2.5	1.5	3.5	5.1	4.7	3.4	2.9	3	2.9	2.8	3.6	4.5	5.3	4.5	5.9	7.5	8.6	9.3	8.8	6.6	4.7
28	5.9	6.3	6	5.3	4.9	4.9	5.2	6.1	7.4	8	10.1	10.1	10.4	10.5	10.4	10.4	9.6	7.1	6.9	7.4	6.4	5.1	4.8	5	7.3
29	6.2	5.9	6	5.8	6.3	6.4	7	8.2	10.4	9.7	10.7	10.6	9.7	10.1	8.9	8.6	7.6	5.2	4.3	5.3	4.2	3.6	3.9	5.2	7.1
30	5.5	5.1	4.6	5.7	4.2	4.3	4.4	4.7	2	4.7	7	7.1	7.3	7.8	6.7	6.5	5.8	5.5	4.4	3.7	2.6	1.2	0.4	0.6	4.7
31	1.9	1.7	2.2	4.1	3	4.2	5.2	6.6	7.2	6.3	5	5	5.1	4.8	6.1	5	4.3	2.7	0.9	1.6	0.1	0.1	0.4	0.6	3.5
Avg	3.7	3.8	3.9	4.3	4.2	4.1	4.1	4.2	4.6	5.1	5.5	5.9	6.2	6.4	6.2	5.8	5.2	4.1	3.7	3.8	3.6	3.7	3.7	3.6	4.6
SD	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2.1	2.1	2	2.6	2.6	2.6	2.3	2.1	2.2	1.9	1.9	1.9	2.2	2.4	2.4	2	1.8	1.4
S/A	0.48	0.46	0.46	0.42	0.45	0.46	0.46	0.5	0.47	0.4	0.47	0.45	0.42	0.36	0.33	0.37	0.36	0.47	0.53	0.59	0.65	0.65	0.55	0.5	0.32
Min	0.8	1	1.1	1	0.5	0.4	0.5	0.9	1.7	1.6	1.2	0.7	2	2.7	2.7	1.5	1.9	0.5	0.9	0.5	0.1	0.1	0.4	0.6	2.5
Max	8.6	8.7	8.2	9.2	7.5	7.5	7.8	8.2	10.4	9.7	10.7	11.4	11.7	10.9	10.4	10.4	9.6	8.8	8.7	8.8	8.6	9.3	8.8	7.8	7.7
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: 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

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