

November 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	23	43 ?	?	?	?	591 ?	?	?	?	?	54	0	0	0	0	0	0	0	711 ?
2	0	0	0	0	0	0	26	89 ?	?	?	?	602 ?	?	?	?	?	56	1	0	0	0	0	0	0	774 ?
3	0	0	0	0	0	0	17	68 ?	?	?	?	?	?	?	?	?	41	2	0	0	0	0	0	0	128 ?
4	0	0	0	0	0	0	13	74 ?	136	186	296	263	250	189	161 ?	?	33	0	0	0	0	0	0	0	1601 ?
5	0	0	0	0	0	0	21	63	112	208 ?	296 ?	434 ?	367	341 ?	?	73 ?	35	0	0	0	0	0	0	0	1950 ?
6	0	0	0	0	0	0	6	42	97	172	230	252	296 ?	199 ?	?	103 ?	25	0	0	0	0	0	0	0	1420 ?
7	0	0	0	0	0	0	7	22	52	84	85	117	157	48 ?	58	41	20	0	0	0	0	0	0	0	690
8	0	0	0	0	0	0	2	32	67	88	141	187	260	140	94	74	28	0	0	0	0	0	0	0	1113
9	0	0	0	0	0	0	8	68	94	147	195	204 ?	282 ?	?	183 ?	74 ?	41	0	0	0	0	0	0	0	1297 ?
10	0	0	0	0	0	0	11	62	127	271	285	309 ?	340 ?	256 ?	185	102	22	0	0	0	0	0	0	0	1970 ?
11	0	0	0	0	0	0	12	60 ?	?	?	?	?	?	?	?	78 ?	22	0	0	0	0	0	0	0	171 ?
12	0	0	0	0	0	0	12	61 ?	?	?	?	?	?	?	?	?	45	0	0	0	0	0	0	0	117 ?
13	0	0	0	0	0	0	7	52 ?	?	?	?	?	?	?	?	?	61	0	0	0	0	0	0	0	120 ?
14	0	0	0	0	0	0	10	68 ?	?	?	?	?	?	?	?	?	39	0	0	0	0	0	0	0	117 ?
15	0	0	0	0	0	0	4	50	92 ?	?	360 ?	321	288	246	127	73	25	0	0	0	0	0	0	0	1586 ?
16	0	0	0	0	0	0	2	18	63	118	148	216	301 ?	?	212	114 ?	65	0	0	0	0	0	0	0	1256 ?
17	0	0	0	0	0	0	6	29	136	193 ?	182 ?	?	?	?	168 ?	61	22	0	0	0	0	0	0	0	797 ?
18	0	0	0	0	0	0	7	61 ?	?	?	?	313	234 ?	218	195	61	13	0	0	0	0	0	0	0	1102 ?
19	0	0	0	0	0	0	3	26	98	233	200	214	274 ?	160	55 ?	?	4	0	0	0	0	0	0	0	1266 ?
20	0	0	0	0	0	0	6	62	?	?	?	?	?	?	?	?	48	0	0	0	0	0	0	0	116 ?
21	0	0	0	0	0	0	4	60	?	?	?	?	?	?	?	122 ?	46	0	0	0	0	0	0	0	232 ?
22	0	0	0	0	0	0	5	61	?	?	?	?	?	?	?	120 ?	48	0	0	0	0	0	0	0	235 ?
23	0	0	0	0	0	0	8	49	?	?	?	?	?	?	?	105 ?	43	0	0	0	0	0	0	0	205 ?
24	0	0	0	0	0	0	7	44	?	?	?	?	?	?	?	121 ?	18	0	0	0	0	0	0	0	190 ?
25	0	0	0	0	0	0	2	57	?	?	?	?	?	?	?	120 ?	43	0	0	0	0	0	0	0	222 ?
26	0	0	0	0	0	0	4	47	84	140	135	100	188	212	178	53	15	0	0	0	0	0	0	0	1156
27	0	0	0	0	0	0	3	34	114	227 ?	297 ?	341	205	146	72	49	25	0	0	0	0	0	0	0	1512
28	0	0	0	0	0	0	10	82	?	226 ?	231 ?	?	?	?	132 ?	96	23	0	0	0	0	0	0	0	799 ?
29	0	0	0	0	0	0	3	59	?	?	?	?	?	?	?	116 ?	49	0	0	0	0	0	0	0	227 ?
30	0	0	0	0	0	0	4	51	?	?	?	?	?	?	?	116 ?	47	0	0	0	0	0	0	0	217 ?
Avg	0	0	0	0	0	0	8	53	98	176	220	298	265	196	140	89	35	0	0	0	0	0	0	0	777 ?
S D	0	0	0	0	0	0	6	17	27	58	79	149	59	75	54	27	15	0	0	0	0	0	0	0	613
S/A	0	0	0	0	0	0	0.74	0.32	0.28	0.33	0.36	0.5	0.22	0.38	0.39	0.3	0.44	3.94	0	0	0	0	0	0	0.79
Min	0	0	0	0	0	0	2	18	52	84	85	100	157	48	55	41	4	0	0	0	0	0	0	0	116
Max	0	0	0	0	0	0	26	89	136	271	360	602	367	341	212	122	65	2	0	0	0	0	0	0	1970
n	0	0	0	0	0	0	111	310	142	129	131	133	118	91	118	154	311	3	0	0	0	0	0	0	1759

Daylight Data Recovery: 0.0% missing; 52.1% exceed the 15% QC threshold -- 3673 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.

November 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	0?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0?
2	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	3?
3	0	0	0	0	0	0	0	2?	?	?	?	?	?	?	?	?	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?
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	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	0?
7	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
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0?	0?	?	0?	0?	0	0	0	0	0	0	0	0	1?
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	1?
11	0	0	0	0	0	0	1	3?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	4?
12	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	0?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	1?
14	0	0	0	0	0	0	0	1?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	1?
15	0	0	0	0	0	0	0	0	0?	?	0?	0	0	0	0	0	0	0	0	0	0	0	0	0	0?
16	0	0	0	0	0	0	0	0	0	0	0	0	0?	?	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?
18	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	1?
21	0	0	0	0	0	0	0	2	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	3?
22	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	1?
23	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	1?
24	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	1	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	1?
26	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
27	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
28	0	0	0	0	0	0	0	2	?	0?	0?	?	?	?	0?	0	0	0	0	0	0	0	0	0	2?
29	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	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?
SD	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	1.56	1.13	1.34	1.62	2.02	2.31	2.34	3.32	3.69	4.69	3.54	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	
Max	0	0	0	0	0	0	1	3	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	4	
n	0	0	0	0	0	0	111	310	144	131	132	127	120	102	125	166	311	3	0	0	0	0	0	1790	

Daylight Data Recovery: 0.0% missing; 51.3% exceed the 15% QC threshold -- 3673 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

November 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	17	27 ?	?	?	?	98 ?	?	?	?	?	17	0	0	0	0	0	0	0	159 ?
2	0	0	0	0	0	0	14	31 ?	?	?	?	63 ?	?	?	?	?	23	2	0	0	0	0	0	0	131 ?
3	0	0	0	0	0	0	15	41 ?	?	?	?	?	?	?	?	?	24	2	0	0	0	0	0	0	82 ?
4	0	0	0	0	0	0	13	58 ?	141	195	289	260	224	164	127 ?	?	21	0	0	0	0	0	0	0	1491 ?
5	0	0	0	0	0	0	22	58	119	184 ?	237 ?	353 ?	313	295 ?	90 ?	55 ?	22	0	0	0	0	0	0	0	1748 ?
6	0	0	0	0	0	0	7	44	101	180	239	254	264 ?	202 ?	?	87 ?	26	0	0	0	0	0	0	0	1402 ?
7	0	0	0	0	0	0	7	23	53	88	89	122	152	36 ?	61	43	21	0	0	0	0	0	0	0	697
8	0	0	0	0	0	0	2	33	70	92	146	191	252	147	98	76	28	0	0	0	0	0	0	0	1134
9	0	0	0	0	0	0	9	54	97	153	197	189 ?	236 ?	?	164 ?	72 ?	34	0	0	0	0	0	0	0	1203 ?
10	0	0	0	0	0	0	13	62	112	245	268	299 ?	285 ?	236 ?	174	103	22	0	0	0	0	0	0	0	1820 ?
11	0	0	0	0	0	0	9	25 ?	?	?	?	?	?	?	?	?	71 ?	23	0	0	0	0	0	0	128 ?
12	0	0	0	0	0	0	9	26 ?	?	?	?	?	?	?	?	?	?	19	0	0	0	0	0	0	54 ?
13	0	0	0	0	0	0	6	23 ?	?	?	?	?	?	?	?	?	?	17	0	0	0	0	0	0	47 ?
14	0	0	0	0	0	0	7 ?	21 ?	?	?	?	?	?	?	?	?	?	24	0	0	0	0	0	0	52 ?
15	0	0	0	0	0	0	5 ?	50	83 ?	?	281 ?	290	264	236	130	74	25	0	0	0	0	0	0	0	1436 ?
16	0	0	0	0	0	0	3 ?	18	65	121	153	216	276 ?	?	182	102 ?	36	0	0	0	0	0	0	0	1173 ?
17	0	0	0	0	0	0	6	30	127	162 ?	115 ?	?	?	?	114 ?	62	22	0	0	0	0	0	0	0	638 ?
18	0	0	0	0	0	0	9 ?	48 ?	?	?	?	263	206 ?	201	183	63	13	0	0	0	0	0	0	0	985 ?
19	0	0	0	0	0	0	3	26	100	203	201	216	249 ?	156	48	7 ?	4	0	0	0	0	0	0	0	1214 ?
20	0	0	0	0	0	0	6 ?	20	?	?	?	?	?	?	?	?	?	12	0	0	0	0	0	0	38 ?
21	0	0	0	0	0	0	3	20	?	?	?	?	?	?	?	?	22 ?	11	0	0	0	0	0	0	56 ?
22	0	0	0	0	0	0	5	23	?	?	?	?	?	?	?	?	26 ?	18	0	0	0	0	0	0	72 ?
23	0	0	0	0	0	0	10 ?	37	?	?	?	?	?	?	?	?	26 ?	14	0	0	0	0	0	0	87 ?
24	0	0	0	0	0	0	6 ?	22	?	?	?	?	?	?	?	?	67 ?	11	0	0	0	0	0	0	106 ?
25	0	0	0	0	0	0	2	24	?	?	?	?	?	?	?	?	25 ?	12	0	0	0	0	0	0	64 ?
26	0	0	0	0	0	0	6 ?	44	87	146	142	105	195	211	168	56	16	0	0	0	0	0	0	0	1174
27	0	0	0	0	0	0	3	34	111	186	272 ?	336	216	155	77	52	26	0	0	0	0	0	0	0	1468
28	0	0	0	0	0	0	?	52	?	208 ?	222 ?	?	?	?	128 ?	84	23	0	0	0	0	0	0	0	717 ?
29	0	0	0	0	0	0	?	20	?	?	?	?	?	?	?	30 ?	16	0	0	0	0	0	0	0	66 ?
30	0	0	0	0	0	0	?	22	?	?	?	?	?	?	?	26 ?	13	0	0	0	0	0	0	0	61 ?
Avg	0	0	0	0	0	0	8	34	97	166	204	217	241	185	125	56	20	0	0	0	0	0	0	0	650 ?
S/D	0	0	0	0	0	0	5	14	25	46	65	89	43	66	45	27	7	1	0	0	0	0	0	0	631
S/A	0	0	0	0	0	0	0.61	0.4	0.26	0.28	0.32	0.41	0.18	0.36	0.36	0.49	0.35	3.64	0	0	0	0	0	0	0.97
Min	0	0	0	0	0	0	2	18	53	88	89	63	152	36	48	7	4	0	0	0	0	0	0	0	38
Max	0	0	0	0	0	0	22	62	141	245	289	353	313	295	183	103	36	2	0	0	0	0	0	0	1820
n	0	0	0	0	0	0	92	309	144	131	132	134	120	98	123	157	311	3	0	0	0	0	0	0	1763

Daylight Data Recovery: 0.0% missing; 52.0% exceed the 15% QC threshold -- 3673 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 $\mu\text{V}/\text{W}/\text{m}^2$ 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

November 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	14.1	13.6	13.3	13.3	13.3	13.1	12.1	12.9	16.2	19.5	22.5	24.2	23.9	24.1	24.7	24.3	22.8	20.5	19.4	18.2	16.9	16.1	16.1	16	18
2	15.2	14.6	14.2	13.5	12.5	12.7	12.4	14.6	17.9	21.1	23.2	24.4	25	25.2	24.9	24.8	23.4	20.9	19.4	18.6	17.7	17.2	16.7	16.1	18.6
3	15.6	15.8	15.6	15.6	15.1	15.2	15.4	15.9	19	22.8	24	24.6	25.2	25.2	25	24.5	23.3	21.7	20.5	19.9	19.5	19.3	19.4	19.8	19.9
4	19.9	20	19.9	19.9	20.3	20.3	20	20.3	21.5	21.9	23.1	24.8	25.9	26.3	25.9	26.6	25.8	24.6	23.7	23.1	22.6	22.2	21.7	21.3	22.6
5	20.9	20.7	20.8	20.9	20.7	20.4	20.2	20.6	21.4	23.4	25.1	26.1	26.9	27.6	27.9	27.5	26.5	25	24.4	23.5	23	22.8	22.5	22.2	23.4
6	22	22	21.6	21.3	21.3	21.6	21.7	21.7	21.9	22	22.6	23.7	25.2	26.4	27.7	27.3	25.2	23.2	22.7	22.8	22.9	22.9	22.2	20.4	23
7	20	19.5	19.1	18.5	18.5	18.4	18.4	18.3	18.3	18.4	17.9	18.3	18.7	17.8	17.8	17.9	17.6	17	16.5	16.4	16.4	16.4	16	15.3	17.8
8	15	15	15	15	14.9	14.5	14.2	14	13.6	12.8	12	12.4	13	12.9	12.3	11.9	11.6	11.1	10.5	9.8	9.4	9.2	9	9.3	12.4
9	10.2	8.4	7.6	7.4	7.1	6.9	6.5	6.6	7.2	8.3	9.2	10.5	11.4	11.6	11.2	10.9	10.1	9.5	9.4	9.2	8.9	8.6	7.8	7.1	8.8
10	6.7	6.6	6.9	7.3	7.5	8	8.6	8.8	10.2	12.3	12.9	13.7	13.8	14.3	13.7	13.1	12.5	12.2	12	11.7	11	10.2	9.7	9.1	10.5
11	8.7	8.7	8.7	8.7	8.7	9.2	9.9	10.9	14.2	15.9	18.3	19.2	20	20.9	21	21.2	20.3	19.3	18.2	17.7	17.3	17.1	16.7	16.6	15.3
12	16.2	16.3	16.2	16	16	15.9	15.9	16.6	18.2	20.2	22	23.1	24.3	25.3	25.6	25.8	24.9	22.9	21.8	21.2	19.9	19.2	19.2	19.2	20.1
13	19.9	19.8	20	20	19.6	19.4	19.1	19.6	19.8	18.2	16.9	16.3	15.4	14	13.3	12.8	11.7	10.4	9.7	8.6	7.9	7	5.9	4.9	14.6
14	4.4	4.1	3.4	2.6	2.3	2.1	1.6	2.4	4.4	6.2	7.7	8.8	9.9	10.7	11.4	10.9	10.4	9.1	8.5	7.9	7.3	6.7	6	6.1	6.5
15	5.8	5.5	5.7	5.8	5.7	5.8	6.1	6.6	8.4	11.4	13.3	14.1	14.5	14.3	13.2	11.4	10.4	9.7	9.4	9.1	8.6	8.4	8.4	8	9.1
16	7.5	7.7	8.3	8.8	9.3	9.8	10	10.7	11.9	13	14.2	15	17.2	19.3	19.9	20.1	20	18.1	16.3	15.3	15.3	15.2	15.2	15.3	13.9
17	15.4	15.3	15.4	15.4	15.2	14.8	14.8	14.9	16.1	17.7	18.9	20.6	22	22.6	22.4	19.4	18.1	16.3	15.2	14.4	14.4	14.3	14.4	14.5	16.8
18	14.5	14.5	14.7	14.9	15	15	14.8	15.4	16.7	17.8	18.8	19.2	19.3	19.3	19.5	19	18.4	18.3	18.5	18.9	18.8	18.7	18.6	18.5	17.4
19	18	17.9	18.1	18.1	18.3	18.5	19.3	20.1	20.7	21.7	22.2	22.6	23.3	23.2	22	19.5	15	14.9	14.7	14.3	14.1	14	14	13.7	18.3
20	13.5	12	11.6	11	10.6	9.7	9.3	9.8	10.9	13	14.3	15	15.5	16	16.3	16.5	15.7	13.9	12.7	11.8	11.6	10.8	10.4	9.5	12.6
21	8.4	7.5	7.2	7.4	8.1	7.8	7.3	7.4	9.8	12.5	15.1	17	19.6	21.5	22.2	22.3	21.2	19.4	18	17.3	17	16.2	15.7	14.8	14.2
22	14.4	13.9	14	13.4	12.6	12.1	11	11.3	13.5	16.2	18.2	20	20.8	21.6	21.9	20.8	18.9	16.5	14.9	13.7	13.2	12.7	12.5	12.2	15.4
23	10.3	9.3	8.9	8	8.4	8.4	8	8.9	11.8	14.9	16.5	18.1	19.3	19.5	19.9	19.6	17.8	15.6	14.4	13.7	13.3	12.9	12.6	12.5	13.4
24	12.6	11.7	10.5	9.8	9.9	10.2	11.6	12.2	13.8	17	19.1	20.4	21.7	22.5	22.6	22.2	20.5	19.4	18.9	18.5	18.6	18.7	19.1	15.8	16.5
25	13.9	11.8	9.4	8.1	7.7	7.2	6.4	6.1	6.8	8.4	9.4	10	10.3	10.7	10.9	10.1	8.7	7.4	6.7	6.2	5.7	5.4	5.1	4.7	8.2
26	4.3	4	3.7	4.5	4.8	4.9	5.8	6.9	8.6	9.7	11.3	12.2	12.9	13.9	14	13.9	13.8	13.3	12.9	12.8	12.8	12.8	11.3	10.3	9.8
27	9.7	9.4	9.3	9	8.6	8	8.2	8.6	9.9	12.4	13.8	14.8	15.4	15.7	14.9	13	12.8	12.9	12.7	12.5	12.3	12.4	12.6	12.9	11.7
28	13.2	13.6	14.1	14.6	15.2	15.5	15.8	17	18.8	20.2	21.4	23.2	24	24.1	23.8	23	22	21.7	21.5	21.2	14.2	11.3	9.8	8.2	17.8
29	7.2	6.5	5.9	5.1	3.9	3.1	2.4	2.3	2.8	3.7	5.2	6	7.3	8.2	9	8.8	7.8	6.7	5.9	5.2	4.6	4.1	3.5	2.8	5.3
30	2.3	1.9	1.5	1.2	1.3	1.4	1.7	2	4	7.5	10	11.6	12.7	14.1	14.8	15	14.3	12.4	11.5	10.9	10.6	10.3	9.9	9.1	8
Avg	12.7	12.3	12	11.8	11.8	11.7	11.6	12.1	13.6	15.3	16.6	17.7	18.5	19	19	18.5	17.4	16.1	15.4	14.8	14.2	13.8	13.4	12.9	14.7
S D	5.4	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.6	5.4	5.4	5.5	5.5	5.6	5.6	5.7	5.6	5.3	5.2	5.2	5	5.2	5.3	5.3	4.9
S/A	0.42	0.45	0.46	0.48	0.48	0.49	0.49	0.48	0.41	0.35	0.32	0.31	0.3	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.39	0.41	0.34
Min	2.3	1.9	1.5	1.2	1.3	1.4	1.6	2	2.8	3.7	5.2	6	7.3	8.2	9	8.8	7.8	6.7	5.9	5.2	4.6	4.1	3.5	2.8	5.3
Max	22	22	21.6	21.3	21.3	21.6	21.7	21.7	21.9	23.4	25.1	26.1	26.9	27.6	27.9	27.5	26.5	25	24.4	23.5	23	22.9	22.5	22.2	23.4
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% failed QC -- 8640 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

November 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	?	?	?	?	104.8 ?	104.1	104.2	103	91.8	73.5	61.9	57	63	61.4	56.6	53.5	61	67.8	67.1	74.6	82.5	87.3	94.3	91.8	78.1 ?	
2	93.6	100.7	102.6	102.2	103.6	103.7	102.9	96.4	81	68.8	64.3	60.2	57.5	55.4	53.3	50.1	59.2	69.7	72.2	75.9	83.9	91.2	96.5	100.8	81.1	
3	103.1	103.8	103.9	104.4	?	105 ?	104.7 ?	103.7	98.4	87.4	85	81.5	75.8	71.9	73.5	79.6	83.9	93.2	97.9	99.7	101.1	101.4	101.6	100.6	94 ?	
4	100.6	101.2	103.8	105 ?	105 ?	105 ?	?	?	105 ?	?	103.1	97.2	92.5	90.8	92.1	88.6	88.9	89.7	93.4	96.2	98.1	99.9	102	103.5	98.2 ?	
5	104.6	?	?	?	?	?	?	?	?	100.3	94.2	90.5	84.9	81.1	77.4	77.2	82	89.1	94.2	98.2	99.8	100.4	101.6	102.9	92.4 ?	
6	103.8	104.1	104.8 ?	?	?	?	?	?	?	?	103.8 ?	101.2	96.5	89.6	81.6	82.5	94.7	102.8	104.6 ?	?	?	104.9 ?	104.4	104.5	98.9 ?	
7	104.9	105 ?	?	104.5 ?	102.6	101.5	101.2	101	99.6	99.2	101.3	98.2	94	94.6	92.9	89.4	89.4	94.6	95.9	96.9	97.2	97.1	94.9	95.1	97.9	
8	94	90.5	84.6	77.8	74.4	69.4	71.1	67.7	59.3	61.3	65.7	61.4	59.9	59.1	60.7	60.2	59.4	61.6	62.4	63.9	67	69.5	73.9	80.6	69	
9	75.6	84.3	90.2	90.4	90.4	89.3	90	87.3	85.1	83.7	82.4	73.2	60.5	63.1	64.5	67.9	71.5	72.7	73.3	74.3	75.8	79.5	83.3	86.8	79	
10	88.6	90	88.8	88.5	90.2	91	91.3	91.7	89.2	80.9	79.5	77.7	78.6	77.8	81	83.8	86.8	88.8	90.4	92.6	95.1	99.1	99.9	101.6	88.5	
11	102.6	103.2	103.9	104.3	104.4	104.8 ?	?	102.9	96.9	95.8	85.9	78.6	73.3	71.2	70	70.8	75.7	80.5	84.9	92	95.4	97.4	99.1	99.5	91	
12	101	100	99.2	99.6	98.2	96.8	95	90.7	83.5	73.2	65.7	62.2	59.5	56.8	56.9	57.1	60.9	68.1	72.9	75.5	82.2	87	87.1	86.6	79.8	
13	83.9	84.6	84	85	87	88.8	89.2	77.5	51.4	31	21.8	21.5	22.2	21.6	24.2	23.6	24.7	27.2	27.1	30.3	31.9	33.5	36.4	40	47.9	
14	42.4	43.7	47.4	53.5	55.6	57.1	61.6	59.7	50.9	40.8	34.8	31.6	29.2	27.9	28.1	30.6	33	38.4	41.2	45	44.6	46.2	49.5	48.2	43.4	
15	48.8	48.5	46.8	45.4	45.8	45.9	46.9	47.6	42	38.1	36.6	35.1	35.9	37.5	46	65.3	78.6	86.1	90.6	94.4	97.6	99.3	99.3	99.8	60.8	
16	101.8	102.1	100.8	100.6	100	100.4	100.5	96.4	88.1	82.8	71	67.9	58.1	45.5	44	44.9	46.7	55.2	63	69	70.6	72.2	75.5	80.3	76.6	
17	84.5	87.8	90.3	93	95.8	98.3	99	99.5	97.5	94	90	82	72.9	67.9	68	85.2	87.3	83	85	93.9	97.5	100.4	99.9	97.8	89.6	
18	97	96.2	94.2	94.7	96.6	97.6	98.4	96.5	92.1	88.5	81.5	79.5	80.1	80.8	81.6	84.8	89.1	94.9	100.3	101.9	101.5	100.7	100.8	102.1	93	
19	104.3	104.4	103.6	102.7	101.7	99.7	96.8	93.9	91.3	87.4	85.8	81.9	78.4	82.2	88.8	101.2	?	104.1	104.1	?	?	?	?	?	95.1 ?	
20	?	97.1	96.9	99.2	92	90.1	90.1	85.5	80.9	70.8	63.3	55.6	48.6	45.4	45.4	44.9	48	55.5	61	63.8	62.9	67	69.2	76.2	70	
21	82.5	88.6	88.9	87	82.4	81.8	83.3	84.5	74.4	66.6	61	57.8	47.8	42	39.6	41.8	45.6	51.2	56.5	58.5	58.8	62	63.7	67	65.6	
22	67.5	68	66.7	70	74	75.9	80.7	79.1	71.7	65.9	64.2	59.8	55.3	53.2	54.4	58.5	64.6	73.7	87.7	99.6	103	104.7 ?	?	?	72.6 ?	
23	?	?	?	?	?	?	?	?	?	?	97.4	86.7	76.6	72.7	70.1	64.4	63.6	76.1	88	98.2	102.6	104.6 ?	?	?	83.4 ?	
24	?	?	?	?	?	?	?	?	103.6 ?	97.3	87.3	77.5	72.4	68.3	67.5	70.2	76.7	82.1	86.9	90.9	92.6	93.2	90.6	83.3	83.8 ?	
25	79.3	90.7	91.7	80.8	74.9	71.7	75.6	72.5	72.4	73	65.3	58.8	52.2	52.5	55.6	60.4	67.4	73.3	77.4	80.7	83.8	85.6	88.3	89.3	73.9	
26	92.1	94.5	96.6	95.5	97.3	97.2	97.1	96.5	94.1	92.9	90.4	89.3	86.5	77.7	78.3	79.2	80.7	83.5	86.6	90.2	91.3	91.6	97.3	100.6	90.7	
27	98.8	96.2	94.9	97.6	100.6	103.8	104.7	104.9 ?	101.3	94.2	87.9	82.8	78.8	79.6	86.6	100.4	104	104.6	104.9 ?	?	?	?	?	?	96.1 ?	
28	?	?	103.1	104.4 ?	?	?	?	?	104.2 ?	99.6	95	89.8	79.6	75.3	76.8	78.1	84.1	80.6	76.4	80	84.4	100.1	98.4	90.6	82	88.6 ?
29	80.8	77.9	70.9	67.8	59.2	64.4	61.4	57.5	58.6	55.3	51.7	51.1	46.8	44.3	42	40.9	45	50.1	53.9	57	59.6	63	66	68.8	58.1	
30	71.4	73.7	75.2	77.3	78.6	80	77.8	76.3	69.1	52.2	37.9	34	31.6	30.5	30	30.7	34.3	41	44.6	48.3	50.6	50.8	51	55.2	54.3	

Avg	88.3	89.5	89.3	89.3	88.1	88.9	88	87.1	82.5	76.7	73.3	68.7	64.7	62.6	62.8	65.7	68.8	74.9	78.6	79.6	82.6	84.6	85.3	86.3	79.7 ?
S D	17	16.4	16.5	16.3	16.8	16.6	15.9	16.1	17.8	19.7	21.2	20.3	19.6	19.5	19.4	20.9	20.3	20.2	20.3	19.6	20.1	19.7	18.9	17.9	15.5
S/A	0.19	0.18	0.18	0.18	0.19	0.19	0.18	0.18	0.22	0.26	0.29	0.3	0.3	0.31	0.31	0.32	0.29	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.19
Min	42.4	43.7	46.8	45.4	45.8	45.9	46.9	47.6	42	31	21.8	21.5	22.2	21.6	24.2	23.6	24.7	27.2	27.1	30.3	31.9	33.5	36.4	40	43.4
Max	104.9	105	104.8	105	105	105	104.7	104.9	105	100.3	103.8	101.2	96.5	94.6	92.9	101.2	104	104.6	104.9	102.6	104.6	104.9	104.4	104.5	98.9
n	300	291	293	279	271	276	269	281	305	334	349	360	360	360	360	360	348	360	348	324	318	309	312	312	7682

Data Recovery: 0.0% missing; 11.1% failed QC -- 8640 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

November 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	12.7	12.4	11.8	11.5	11.7	11.9	11.5	11.5	13.4	17.2	21.8	25.5	27.5	27.7	27.6	27.2	26.1	23.1	19.8	18	16	14.7	13.9	13.7	17.8
2	13	12.5	12.5	12.2	11.7	11.1	10.7	11.6	14.6	19	23.5	26.7	28.3	28.9	28.3	27.6	26.5	23.5	20.4	18.6	17.4	16.2	15.1	14.5	18.5
3	14.3	14.3	14.4	14.3	14.1	13.8	14	14.8	16.5	20.8	25	27.4	28	28.5	28.3	27.7	26.5	24	21.5	20	19	18.5	18.5	18.9	20.1
4	19.4	19.9	19.9	19.8	20	20.2	20.1	20	21.3	22.6	24	26.1	27.9	28.8	28.6	29.1	29.1	26.8	24.8	23.7	23	22.6	22	21.5	23.4
5	21.1	20.6	20.4	20.4	20.4	20.3	20.1	20.3	20.8	22	25.3	27.7	29	29.6	30.1	29.8	28.6	26.8	25.3	24.3	23.2	22.5	22.2	21.9	23.9
6	21.6	21.6	21.4	21.2	21.1	21.3	21.6	21.8	22	22.5	23.4	24.6	25.8	27.4	28.8	29.4	28.3	25.4	23.6	23	22.8	22.8	22.7	21.8	23.6
7	20.9	20.4	20	19.5	18.9	18.8	18.7	18.7	18.8	18.9	18.9	18.8	19.1	19.4	18.7	18.5	18.3	17.7	16.8	16.1	16.1	16.2	16.1	15.5	18.3
8	15.1	15.1	15	14.8	14.9	14.9	14.6	14.4	14.3	14	13	12.9	13.5	14.2	13.8	13.2	12.6	11.7	10.9	9.7	8.9	8.3	8.1	8	12.7
9	8.5	8.5	7.5	6.6	6.2	6	5.7	5.7	6.5	7.5	8.6	10.2	12.1	13.3	13.5	13.1	12.1	10.6	9.3	8.7	8.1	7.6	7	6.3	8.7
10	5.7	5.3	5.3	6	6.7	7	7.6	8.3	9.2	10.9	13.1	14.8	16.1	16.8	16.9	15.7	14.4	13.4	12.6	12.1	10.8	9.5	8.8	8.1	10.6
11	7.7	7.3	7.3	7.2	7.4	7.4	7.9	8.7	11.4	14.8	18.3	21.3	22.6	23.4	23.5	23.1	22.4	20.9	19.1	17.6	16.9	16.8	16.4	16	15.2
12	15.8	15.6	15.5	15.3	15.3	15.3	15.2	15.7	17.4	19.7	22.1	23.9	25.3	26.5	27.2	27.2	26.8	24.7	22.5	21.3	20.3	19.2	18.7	18.5	20.2
13	18.6	18.9	19	19.3	19.3	19.1	18.7	18.8	19.9	20.6	20.2	19.4	18.5	17.5	16	15	13.7	11.5	9.6	8.2	7.2	6.3	5.4	4.2	15.2
14	3.2	2.6	2.1	1.4	0.8	0.5	0.1	0.5	2.7	5.6	8	9.9	11.2	12.3	12.8	12.7	11.8	9.8	8.1	7.4	6.7	5.9	5	4.6	6.1
15	4.4	4	4	4.3	4.4	4.4	4.8	5.4	6.4	10	13.3	15.4	16.5	16.6	15.9	14.1	12.3	11.1	10.2	9.5	8.6	7.9	7.5	7.1	9.1
16	6.8	6.6	7	7.6	8.3	8.9	9.4	9.9	10.7	11.9	13.4	14.7	16.3	19	20.7	20.8	20.8	19.8	17.5	15.7	15	14.9	15	15	13.6
17	15.1	15.2	15.2	15.3	15.2	14.6	14.4	14.6	15.3	17.1	19.3	21.3	23.8	25.5	25.8	24	21.2	18.6	16.6	15.3	14.7	14.6	14.4	14.4	17.6
18	14.5	14.4	14.6	14.8	15	15	14.6	14.5	16.3	18.3	20.2	21.6	21.7	21.6	21.4	21	20	19.1	18.8	18.8	18.9	18.8	18.7	18.6	18
19	18.1	17.7	17.5	17.4	17.5	17.6	18	18.7	19.5	20.7	22.1	22.8	23.5	24.4	23.3	21.4	18.8	16.3	15.3	14.8	14.5	14.2	14.1	14.1	18.4
20	13.8	13.1	11.5	10.5	9.7	8.9	8.2	8.2	10	12.4	15	16.7	17.7	18	18.1	17.8	17.1	14.7	12.2	10.5	9.6	8.9	8.2	7.5	12.4
21	5.9	4.6	4	3.9	4.7	5.4	5.2	4.9	7.4	11.2	14.8	17.9	20.2	21.9	22.9	23.1	22.5	20.1	17.5	15.8	15.1	14.2	13.7	13.2	12.9
22	12.4	11.7	11.5	11.7	11.5	10.8	9.8	9.5	11.6	15.1	18.4	21	22.9	23.9	24.2	23.7	22	18.7	15.5	13.5	12.4	11.8	11.5	11.2	15.3
23	10.2	9.2	8.6	7.9	7.3	7.4	7.3	7.3	9.4	13	16.2	18.9	21.2	22.2	22.3	21.9	20.6	17.6	14.8	13.4	12.7	12.1	11.8	11.6	13.5
24	11.5	11.1	9.9	9.2	8.6	8.4	8.9	10.2	12.5	15.3	18.5	21.2	23.1	24.4	24.7	24.3	22.9	20.6	19.4	18.7	18.5	18.4	18.5	18.3	16.6
25	16.5	14.8	12.5	10.1	8.2	7.1	6.1	5.5	6.5	8.4	10.5	12	13.1	13.5	13.5	12.9	11.4	8.5	6.3	4.9	4.1	3.6	3.3	2.9	9
26	2.4	2.1	1.9	2.2	2.8	3.1	3.9	5.2	6.8	8.8	10.8	12.4	13.2	14.8	15.7	15.7	15.2	14.6	14	13.6	13.2	13	11.8	9.9	9.5
27	8.8	8	7.2	6.8	6.7	6.5	6.1	6.5	7.4	9.3	12.3	15.2	16.7	17.3	17.2	15.7	14.2	13.5	13.1	12.9	12.7	12.7	12.7	12.9	11.4
28	13.2	13.5	13.7	13.8	14.1	14.6	15	15.6	17.3	19.5	21.4	23.7	25.3	26.1	26	25.2	23.7	22.4	21.8	21.6	19.4	14.7	11.7	9.7	18.5
29	7.9	6.7	5.8	5	4.1	2.9	2	1.6	2.6	4	5.6	7.3	8.4	9.3	9.8	9.9	9.2	7.3	5.7	4.5	3.7	3	2.4	1.7	5.4
30	1	0.5	-0.1	-0.5	-0.6	-0.4	-0.3	0.2	2	5.1	8.6	11.3	13.2	14.6	15.7	15.9	15.4	13.2	10.7	9.6	9.1	8.7	8.3	7.8	7

Avg	12	11.6	11.2	11	10.9	10.8	10.7	10.9	12.4	14.5	16.9	18.8	20.1	20.9	21.1	20.6	19.5	17.5	15.8	14.7	14	13.3	12.8	12.3	14.8
S D	5.8	5.9	6	6.1	6.1	6.1	6.2	6.1	5.9	5.6	5.6	5.8	5.9	5.8	5.8	5.9	5.9	5.7	5.5	5.5	5.5	5.5	5.6	5.7	5.2
S/A	0.48	0.51	0.54	0.55	0.56	0.57	0.58	0.56	0.48	0.38	0.33	0.31	0.29	0.28	0.28	0.29	0.3	0.32	0.35	0.37	0.39	0.41	0.44	0.47	0.35
Min	1	0.5	-0.1	-0.5	-0.6	-0.4	-0.3	0.2	2	4	5.6	7.3	8.4	9.3	9.8	9.9	9.2	7.3	5.7	4.5	3.7	3	2.4	1.7	5.4
Max	21.6	21.6	21.4	21.2	21.1	21.3	21.6	21.8	22	22.6	25.3	27.7	29	29.6	30.1	29.8	29.1	26.8	25.3	24.3	23.2	22.8	22.7	21.9	23.9
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% failed QC -- 8640 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

November 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	0.1	0	0	0.1	0.4	0.2	0.2	0.3	0.3	0.4	0.4	0.5	2.4	2.4	2.1	2.2	1.3	0.6	0.8	0.1	0.1	0.1	0.6	0	0.7
2	0	0	0	0	0.1	0	0.4	0.1	0.4	0.3	0.5	1.4	1.5	2.1	2.4	1.7	1.5	1.6	1.7	1.6	0.4	0	0	0.1	0.8
3	0	0	0	0	0	0	0.1	0.1	0	1	1.9	2.5	3.1	3.5	3.2	3.2	2.8	1.6	1.3	0.6	0.6	0.3	0.2	0.3	1.1
4	0.7	0.7	1.1	0.9	0.1	0	0.5	0.3	0.2	0.3	0.8	0.6	0.5	1	1.6	2	2.4	1.7	1.5	1.8	1.4	1.5	1	1.9	1
5	1.5	1.1	1.1	0.8	0.5	0.1	0.5	1.4	0.7	1.7	2.5	3.9	3.6	3.6	3.3	3.1	2.2	2.9	2.9	2.4	1.8	2	1.8	2.3	2
6	1.7	1.4	1.6	1.1	1.2	1.2	2	1.2	0.9	1.3	2.5	3.1	3.4	3.7	3.9	3.3	3.6	3	2.5	2.3	2.2	2.4	0.9	1.1	2.1
7	0.8	0.9	2.8	3	2.6	1.5	0.7	2	2.7	2.7	3.3	3	2.9	3.3	2.8	2.9	2.8	2.6	1.2	1.6	1.4	1	1.2	1.9	2.1
8	2.2	2.6	2.2	2.8	3.2	3.8	2.9	3.4	4.3	4.4	3.4	4	3.4	4.4	4	3.7	3.7	3	3.1	3.4	3.3	2.9	2.8	2.9	3.3
9	3.6	3.3	3	2.6	2.4	3.1	3.3	3.6	3.6	4	3.9	4.4	4.8	5.1	5	4.6	4.2	3.7	3.3	3.4	3	2.5	2.5	2.4	3.6
10	2.4	2.3	2.6	2.6	2.4	2.3	2.3	2.6	2.2	3.9	4	4.4	4.1	3.4	3.1	3.2	2.9	2.6	1.9	1.3	0.4	0.6	0.2	0.5	2.4
11	0.3	0.3	0.2	0.4	0.3	0.9	0.2	0	0.6	2.1	1.5	2.6	3	3.3	4	3.2	1.7	1.1	1.6	2	2.7	2.8	2.4	2.7	1.7
12	2.9	3	2.6	3.3	3.6	3.4	3.6	4.4	5.5	5.2	6.1	6.1	5.1	4.6	4.1	3	2.1	1.7	2.4	2.5	2.4	2.9	3.6	3.8	3.7
13	4	3.3	4.7	5.5	5.5	5.4	5.8	6.2	7.4	7.9	7.2	7	6.8	7.5	6.8	7	5.9	4.2	4.5	4.2	4.2	4.7	3.8	3	5.5
14	3	2.9	2.7	2.6	2.9	2.6	2.8	3	4	5.2	5.6	5.2	4.2	4.2	3.9	4.4	3.4	2.5	2.5	3.1	2.5	1.9	2.5	2.8	3.3
15	2.1	2.3	2.6	2.1	1.8	1.9	1.6	1.6	2.1	2.9	2.4	2.6	1.7	2.7	2.6	3	2.2	1.7	1.7	1.3	0.8	0.6	0.3	0.2	1.9
16	0.1	0	0	0	0.1	0.1	0.5	2	1.7	1.4	1.8	2.5	2.2	3.7	2.9	2.4	1.3	1.3	0.2	0.5	0.8	1.4	1.9	1.9	1.3
17	2	1.8	1.6	1.6	1.7	1.7	1.1	0.7	1.4	3.2	2.7	2.1	1.4	1.3	1.5	3.4	2.6	2.4	2.5	2.2	1.8	1.9	1.8	1.9	1.9
18	2.1	2.1	2.5	2.7	3	2.4	2.3	2.3	3.3	4.2	4.3	3.4	3.4	3.5	2.9	2.9	2.3	2.6	3.4	2.6	3.6	3.1	3.7	2.4	3
19	3	3	2.2	2	2.1	3.2	3.5	4.1	5	6.7	7	6.9	8.9	8.3	7.8	7.4	3	3.1	0.7	0.9	2.4	2.7	3.7	2.7	4.2
20	3.1	4.1	2.1	1.7	2.2	1.8	2	2.3	2.7	2.7	3.4	4.1	4.4	4.3	3.9	2.8	1.9	1.1	0.9	1.2	1.4	0.8	0.8	0.1	2.3
21	0	0	0	1.3	1.7	1.1	0	0.4	1	1.7	1.7	1.8	2.5	2.8	3.3	2.4	1.7	0.8	0.6	1.6	0.6	1.2	1.4	1	1.3
22	0.6	0.9	2.1	2.2	1.9	0.8	0.7	0.4	0.3	0.9	2.3	1.6	1.8	1.3	1.3	1.4	1.6	1	1.4	0.8	0.6	0.5	0.3	0	1.1
23	0	0	0	0	0	0	0	0	0.2	1.3	2.4	1.9	1.9	2.1	2.2	2	1.9	1.6	1.4	1.5	0.3	0.2	0.2	0.5	0.9
24	0	0	0	0	0	0	0.1	0.3	0.8	2	2.7	2.9	2.8	3.4	3.4	3.1	3.7	3.5	3.2	3.4	3.5	2.9	3.1	4.1	2
25	3.5	4.6	4.4	4.1	4.1	3.5	3.4	3.8	3.5	3.6	3.9	3.5	3.3	2.9	2.6	2.8	2.6	1.4	1	1	1.2	1.2	0.7	0.5	2.8
26	0.4	0.1	0.4	0.9	0.3	0.8	0.4	0.9	0.6	0.8	0.7	0.8	0.5	1	1.1	0.5	0.3	0.6	0.9	0.3	0.1	0.1	0.1	0.7	0.6
27	0.6	0.1	0.2	0	0	0	0.4	0.1	0.5	1.3	2.2	2.6	1	0.9	2.3	2.7	2.3	0.2	0.9	1.2	0.9	1.2	0.4	1	1
28	1.8	2	1.4	1.4	1.6	1.4	0.9	2.2	2.6	2.7	4	6.3	6.3	5.4	5.9	6.1	6.2	6	6.6	7.1	7.4	5.6	6	5.7	4.3
29	5.6	5.6	5.4	5.3	5.4	4.6	5.3	5.4	5.6	6.4	5.7	6.2	5.7	5.7	5.5	5.4	4.3	3.8	3.2	3	3	2.8	2.4	2	4.7
30	2.1	1.5	1.5	2	2.6	2.7	3	2.8	4.2	5.9	6.8	5.4	5.7	5.3	5.8	4.6	2.5	1.3	1.8	2.4	2.7	2.4	2.3	2.6	3.3
Avg	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.9	2.3	2.9	3.3	3.4	3.4	3.6	3.5	3.3	2.7	2.2	2.1	2	1.9	1.8	1.8	1.8	2.3
S D	1.5	1.6	1.5	1.5	1.6	1.5	1.6	1.7	2	2.1	1.9	1.9	1.8	1.6	1.5	1.3	1.3	1.3	1.4	1.6	1.4	1.5	1.4	1.4	1.3
S/A	0.89	0.94	0.88	0.86	0.87	0.9	0.96	0.89	0.87	0.7	0.59	0.54	0.57	0.5	0.46	0.46	0.47	0.59	0.65	0.69	0.82	0.76	0.83	0.79	0.57
Min	0	0	0	0	0	0	0	0	0	0.3	0.4	0.5	0.5	0.9	1.1	0.5	0.3	0.2	0.2	0.1	0.1	0	0	0	0.6
Max	5.6	5.6	5.4	5.5	5.5	5.4	5.8	6.2	7.4	7.9	7.2	7	8.9	8.3	7.8	7.4	6.2	6	6.6	7.1	7.4	5.6	6	5.7	5.5
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% failed QC -- 8640 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.

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

November 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	114	120	0	171	264	271	129	160	179	213	191	167	81	80	94	123	107	112	115	117	160	186	168	157	112
2	0	9	9	312	153	0	348	337	313	328	45	72	108	105	106	101	102	92	97	101	119	5	118	30	94
3	29	29	0	0	0	0	357	347	23	83	93	92	100	91	108	108	120	108	108	114	122	111	110	123	102
4	93	112	96	93	79	76	113	119	222	202	171	357	42	73	75	88	123	125	163	152	169	155	138	165	125
5	177	191	190	195	201	195	159	166	182	174	189	208	199	183	181	167	171	165	170	174	181	189	186	187	182
6	196	199	197	197	200	227	233	215	208	189	196	209	212	227	224	214	190	195	196	200	203	245	308	347	211
7	356	343	332	350	348	1	1	1	6	358	5	25	34	24	43	47	54	53	46	47	35	37	356	15	18
8	3	7	15	21	11	11	9	16	16	7	12	29	16	11	3	15	26	18	2	352	357	0	1	17	11
9	32	355	353	350	347	0	1	353	350	353	358	25	39	40	34	39	44	42	39	37	35	25	356	353	18
10	351	344	350	353	348	351	354	355	17	42	45	47	38	29	30	30	33	36	32	19	345	36	314	346	20
11	328	350	330	343	335	3	34	0	84	113	144	206	203	211	217	199	212	190	185	187	187	199	203	212	198
12	216	224	216	219	223	220	225	231	233	238	231	230	229	228	225	215	212	193	192	195	187	199	206	209	220
13	227	227	230	231	230	233	235	260	280	283	281	284	279	284	286	280	271	278	281	291	283	295	295	288	269
14	282	290	272	263	268	267	266	258	269	273	268	272	283	286	285	274	287	255	249	235	248	242	238	245	268
15	259	274	278	289	287	288	280	288	294	297	302	298	306	293	287	268	278	266	238	234	232	258	281	265	281
16	219	152	0	130	139	127	150	162	176	186	199	214	232	233	231	220	182	153	150	186	184	187	196	202	202
17	195	204	207	211	221	227	226	220	236	261	275	288	311	321	51	110	76	56	50	46	50	59	62	68	86
18	68	69	70	77	77	74	72	74	79	81	93	90	84	86	85	87	87	105	125	137	133	136	123	116	94
19	124	124	151	143	137	147	147	145	146	145	149	151	149	154	149	167	280	253	185	171	125	208	218	203	157
20	229	314	292	290	290	289	289	286	297	307	316	312	319	322	308	302	296	283	267	249	246	231	249	258	297
21	0	0	241	246	259	265	269	230	254	258	258	242	251	256	249	236	233	263	240	229	235	228	237	247	247
22	249	245	251	259	265	288	274	281	312	22	65	86	105	108	85	79	67	73	74	78	73	91	80	0	73
23	0	0	0	0	22	0	0	0	111	94	87	85	84	108	100	102	102	87	82	83	98	108	108	104	94
24	105	0	0	0	0	113	118	124	136	158	169	180	190	177	181	178	157	159	162	164	165	178	223	310	177
25	325	359	4	351	349	345	343	342	350	25	37	34	26	36	19	55	50	38	7	352	335	358	4	325	7
26	321	321	318	351	355	327	348	352	352	20	25	358	342	15	58	65	50	38	66	54	31	292	273	277	8
27	284	310	334	12	19	70	73	99	87	82	90	117	125	98	106	102	107	114	143	126	120	125	167	131	109
28	125	139	168	153	150	160	175	184	190	181	185	183	182	179	181	175	181	181	188	194	266	268	268	264	197
29	265	264	267	268	273	272	264	266	264	267	272	262	271	270	276	278	280	272	280	270	264	269	266	242	269
30	251	258	240	223	232	229	229	224	226	238	239	250	244	243	238	233	227	202	205	211	211	211	214	211	232
Avg	258	289	279	278	278	281	269	270	275	275	250	238	224	234	214	180	159	158	169	190	217	228	239	246	234
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% failed QC -- 8640 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

November 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	0.2	0	0	0.4	0.8	0.6	0.5	0.7	0.9	1.1	1.3	1.4	3.2	3.4	3.3	3.2	2.1	1.1	1.3	0.3	0.4	0.5	1.1	0.3	1.2
2	0	0	0.1	0.1	0.3	0	0.5	0.3	1.2	1	1.3	2.5	2.7	3.4	3.6	2.8	2.4	2.4	2.5	2.3	1	0	0.1	0.3	1.3
3	0	0.1	0	0	0	0	0.2	0.3	0.3	1.8	3	3.7	4.8	5	4.6	4.6	4.3	2.4	2	1.2	1.1	0.7	0.7	0.6	1.7
4	1.1	1.4	1.9	1.6	0.5	0.1	0.9	0.8	0.6	1	1.7	1.4	1.3	1.9	2.7	3.3	3.6	2.6	2.6	2.6	2.4	2.3	1.6	2.9	1.8
5	2.4	2.1	2.3	1.8	1.3	0.3	1	2.2	1.7	3.2	4.5	5.8	5.3	5.7	5.3	4.8	3.6	4.2	4.3	3.6	3	3.4	3.2	3.7	3.3
6	2.7	2.6	2.6	1.9	2.1	2.2	3.2	2.4	1.9	2.5	4.2	4.6	5.1	5.7	6	5.1	5.7	4.6	3.9	4	3.8	4.3	2.1	2	3.5
7	1.6	1.9	4.8	5.1	4.9	3.2	2.1	4	4.6	4.8	5.6	5.3	5.1	5.5	4.5	4.8	4.7	4.1	2.3	2.8	2.6	2.4	2.2	3.3	3.8
8	3.7	4.2	3.7	4.4	5.3	5.9	4.9	5.7	6.8	7	5.5	6.7	5.9	6.6	6.4	6	5.8	5.1	4.9	5.2	5.1	4.4	4.2	4.5	5.3
9	5.7	5.2	4.5	3.7	4	4.8	4.9	5.5	5.6	6.2	6.2	6.9	7.7	8.5	7.9	7.3	7	5.7	5.2	5.2	4.7	4.1	3.7	3.4	5.6
10	3.5	3.3	3.6	3.9	3.4	3.4	3.4	3.7	3.6	6	6	6.6	6.3	5.4	5.1	4.9	4.9	4.2	3.3	2.2	0.8	1.2	0.8	1.3	3.8
11	0.8	0.9	0.8	1	0.9	1.8	0.7	0	1.5	3.2	3	4.2	4.6	5.2	6	5	2.7	1.8	2.6	3.1	4.4	4.3	3.5	4	2.7
12	4.3	4.5	4.2	5.1	5.5	5.2	5.2	6.7	8.3	8.2	9.5	9	7.6	7.3	6.3	4.4	3.4	3	3.7	3.9	4	4.4	5.3	5.7	5.6
13	6.3	4.9	7	8	7.7	8.1	8.3	10.4	12.4	12.8	13.5	11.9	12.1	13.9	11.5	11.9	10.1	7.3	8.3	7.1	7.7	9	6.7	5.4	9.3
14	5.5	5.5	4.4	3.9	4.4	4.3	4.6	5	6.8	8.7	9.2	8.8	7.7	7.5	7.6	7.2	5.8	4	3.5	4.5	4	2.8	3.5	4.1	5.6
15	3.1	3.6	4.5	3.7	3.4	3.3	3.2	3	4.4	4.9	4.5	4.6	3.7	5.1	4.6	4.8	4	2.9	2.5	2.1	1.4	1.1	0.8	0.5	3.3
16	0.3	0	0	0.1	0.2	0.6	0.9	2.9	2.6	2.2	3	3.7	3.7	5.7	4.5	3.6	2.3	2.1	0.7	1.2	1.8	2.3	3	2.8	2.1
17	3	2.9	2.8	2.6	2.6	2.5	1.7	1.4	2.3	5	4.6	3.9	3	2.8	2.8	5.1	3.9	3.6	3.8	3.1	3.1	3.1	3	3.1	3.2
18	3.1	3.3	3.7	4	4.4	3.5	3.4	3.7	5.1	6.2	6.3	5.3	5.2	5.2	4.7	4.3	3.5	4.3	4.9	4.1	5.3	4.8	5.4	3.7	4.5
19	4.3	4.4	3.5	3.2	3.5	4.6	5.3	6.3	7.5	10.4	10.9	9.9	13	12.5	11.7	12.3	5.6	5.2	1.8	2.1	4.4	4.5	5.7	4.7	6.6
20	5.3	6.9	4.4	3.8	4.6	4.1	4.1	5.1	5.6	5.4	6.6	7.3	7.4	7.3	6.7	5.3	4.1	2.2	1.8	1.9	1.9	1.2	1.3	0.2	4.3
21	0	0	0	1.8	2.3	1.8	0.2	0.6	2	3	3.2	3.2	3.9	4.7	5	3.6	2.5	1.4	1.2	2.2	1.3	1.6	1.8	1.5	2
22	1	1.5	2.6	2.9	2.5	1.7	1.7	1.2	1.2	2.1	3.6	2.9	3.1	2.6	2.6	2.6	2.8	1.9	2.2	1.8	1.2	1.2	0.9	0	2
23	0	0	0	0	0	0	0	0	0.6	2.6	3.7	3.1	3	3.3	3.3	3.1	3	2.9	2.4	2.8	0.8	0.7	0.6	1.1	1.5
24	0.3	0	0	0	0	0.1	0.3	0.7	1.9	3.6	4.5	4.5	4.8	5.3	5.7	5.5	5.4	5.6	5.2	5.5	5.5	4.7	5.6	8.1	3.4
25	6.3	7	7.3	6.6	6.7	5.8	5.2	5.7	5.6	6.2	6.6	6.1	5.7	4.7	4.4	4.3	4	2.5	2	2	2.1	2.4	1.5	1.2	4.7
26	1	0.4	0.9	1.7	0.9	1.6	1.1	1.7	1.8	1.8	1.6	1.6	1.6	2.1	2.1	1.1	0.9	1.2	1.7	1	0.3	0.3	1.4	1.3	
27	1.4	0.5	0.5	0.3	0.2	0	1	0.2	1.4	2.5	3.4	3.8	1.9	1.7	3.6	4.4	3.6	0.8	1.8	2.2	1.8	2.1	1.3	1.9	1.8
28	3.1	3.4	2.5	2.4	2.8	2.6	2.2	4.3	4.6	4.6	6.7	9.7	10.2	8.7	9.1	9.8	9.8	8.8	9.9	10.9	12.1	8.9	9.8	9.8	6.9
29	8.9	9.4	9.2	8.3	9.3	8.1	9.5	8.9	9.3	10.7	10.1	10.1	10	10.5	9.6	10.6	7.9	7.2	5.6	5.3	4.8	4.7	4.1	2.9	8.1
30	3.3	2.6	2.2	2.9	3.8	3.7	4.2	4.2	6.2	8.3	10.3	8.2	8.6	8.2	8.5	6.8	3.7	2	2.6	3.6	3.8	3.5	3.5	3.6	4.9
Avg	2.7	2.8	2.8	2.8	2.9	2.8	2.8	3.3	3.9	4.9	5.5	5.6	5.6	5.9	5.7	5.4	4.4	3.6	3.3	3.3	3.2	3	2.9	2.9	3.8
S D	2.3	2.5	2.4	2.3	2.4	2.4	2.4	2.7	3	3.1	3.1	2.8	3	2.9	2.5	2.7	2.1	2	2	2.1	2.5	2.2	2.3	2.3	2.1
S/A	0.85	0.9	0.86	0.8	0.83	0.84	0.86	0.84	0.77	0.63	0.57	0.51	0.53	0.5	0.44	0.49	0.48	0.55	0.61	0.63	0.77	0.73	0.77	0.79	0.55
Min	0	0	0	0	0	0	0	0	0.3	1	1.3	1.4	1.3	1.7	2.1	1.1	0.9	0.8	0.7	0.3	0.3	0	0.1	0	1.2
Max	8.9	9.4	9.2	8.3	9.3	8.1	9.5	10.4	12.4	12.8	13.5	11.9	13	13.9	11.7	12.3	10.1	8.8	9.9	10.9	12.1	9	9.8	9.8	9.3
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% failed QC -- 8640 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

November 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	1023	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023	1022	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1021	1022
2	1021	1021	1021	1021	1021	1021	1021	1022	1022	1023	1023	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021
3	1021	1020	1020	1020	1020	1020	1021	1021	1022	1022	1022	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020
4	1019	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1018
5	1018	1018	1018	1018	1019	1019	1019	1020	1020	1020	1020	1020	1019	1018	1018	1017	1017	1018	1018	1018	1018	1018	1018	1018	1019
6	1018	1018	1018	1017	1018	1017	1018	1018	1018	1018	1017	1016	1016	1014	1013	1014	1014	1013	1013	1013	1013	1014	1013	1013	1016
7	1013	1013	1013	1014	1015	1015	1016	1017	1018	1018	1019	1018	1018	1018	1018	1018	1019	1019	1020	1020	1021	1021	1021	1021	1018
8	1021	1021	1021	1021	1022	1023	1023	1024	1025	1026	1026	1026	1026	1026	1026	1026	1027	1027	1028	1029	1029	1029	1029	1030	1025
9	1030	1030	1031	1031	1032	1032	1032	1033	1033	1034	1034	1033	1033	1032	1032	1032	1032	1032	1032	1032	1032	1032	1031	1031	1032
10	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1029	1028	1028	1027	1027	1027	1027	1027	1027	1026	1026	1026	1025	1028
11	1025	1024	1024	1023	1024	1024	1024	1024	1024	1024	1023	1023	1021	1020	1020	1019	1019	1019	1019	1019	1018	1018	1018	1018	1021
12	1017	1017	1016	1015	1015	1014	1014	1014	1015	1015	1014	1013	1012	1011	1011	1010	1010	1010	1009	1009	1008	1008	1007	1006	1012
13	1006	1005	1004	1003	1003	1003	1003	1003	1005	1006	1007	1007	1007	1008	1008	1009	1010	1011	1012	1013	1014	1015	1016	1016	1008
14	1016	1016	1016	1016	1016	1017	1018	1018	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1017	1017
15	1017	1017	1017	1017	1017	1018	1018	1019	1019	1020	1020	1020	1019	1019	1019	1019	1020	1019	1020	1020	1020	1020	1021	1021	1019
16	1021	1020	1021	1021	1021	1021	1022	1022	1022	1022	1022	1021	1021	1020	1020	1020	1020	1019	1020	1020	1020	1020	1020	1019	1021
17	1019	1019	1019	1019	1019	1019	1020	1020	1020	1021	1021	1021	1020	1020	1019	1020	1020	1021	1021	1022	1022	1022	1022	1022	1020
18	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1022	1021	1021	1020	1019	1019	1019	1018	1018	1017	1017	1016	1015	1020
19	1015	1014	1014	1013	1013	1012	1011	1010	1009	1008	1007	1005	1003	1001	1000	1000	1001	1001	1001	1000	999	999	1000	1001	1006
20	1000	1002	1003	1004	1005	1006	1007	1009	1010	1011	1011	1011	1011	1010	1010	1011	1012	1012	1013	1014	1014	1014	1014	1015	1010
21	1014	1014	1015	1015	1015	1015	1016	1016	1017	1017	1017	1016	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015
22	1015	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1017	1016	1017	1017	1017	1017	1018	1018	1018	1018	1019	1019	1017
23	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1019	1019	1019	1019	1018	1018	1018	1018	1018	1017	1017	1017	1019
24	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1014	1014	1013	1011	1010	1010	1009	1009	1008	1008	1008	1008	1008	1010	1012
25	1011	1012	1013	1014	1014	1015	1016	1018	1019	1019	1020	1019	1019	1018	1018	1018	1019	1019	1020	1020	1020	1019	1019	1019	1017
26	1019	1018	1019	1018	1018	1019	1020	1020	1020	1020	1020	1020	1020	1019	1019	1019	1019	1019	1020	1020	1021	1021	1021	1021	1020
27	1021	1021	1021	1021	1021	1021	1021	1021	1021	1022	1022	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1018	1018	1017	1020
28	1016	1015	1015	1014	1013	1013	1013	1012	1011	1010	1009	1007	1005	1004	1002	1001	999	998	997	997	998	999	1000	1001	1006
29	1003	1004	1005	1006	1007	1008	1010	1011	1011	1012	1012	1012	1012	1013	1013	1014	1015	1016	1017	1018	1019	1019	1019	1020	1012
30	1020	1019	1019	1019	1019	1019	1020	1020	1020	1019	1019	1018	1017	1016	1015	1015	1016	1016	1016	1016	1016	1016	1016	1015	1017
Avg	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018
SD	7	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6
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	1000	1002	1003	1003	1003	1003	1003	1003	1005	1006	1007	1005	1003	1001	1000	1000	999	998	997	997	998	999	1000	1001	1006
Max	1030	1030	1031	1031	1032	1032	1032	1033	1033	1034	1034	1033	1033	1032	1032	1032	1032	1032	1032	1032	1032	1032	1031	1031	1032
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% failed QC -- 8640 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