

November 2008

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	20	81 ?	?	?	?	?	?	?	?	?	46	0	0	0	0	0	0	0	147 ?
2	0	0	0	0	0	0	27	86 ?	?	?	?	?	?	?	?	?	35	3	0	0	0	0	0	0	150 ?
3	0	0	0	0	0	0	9	49	126	196	237	311	302	167	150	63	9	0	0	0	0	0	0	0	1619
4	0	0	0	0	0	0	8	41	80	132	109	112	136	185	112	55	16	0	0	0	0	0	0	0	987
5	0	0	0	0	0	0	2	13	39	95	125	122	189	82	95	43	10	0	0	0	0	0	0	0	816
6	0	0	0	0	0	0	5	34	65	105	239	178	151	176	139	52	18	0	0	0	0	0	0	0	1164
7	0	0	0	0	0	0	5	26	74	133	216	287	290 ?	?	?	?	43	0	0	0	0	0	0	0	1074 ?
8	0	0	0	0	0	0	20	85 ?	?	?	?	178 ?	167	179	147	108	45	0	0	0	0	0	0	0	928 ?
9	0	0	0	0	0	0	14	73 ?	?	?	?	?	?	?	?	?	49	0	0	0	0	0	0	0	136 ?
10	0	0	0	0	0	0	13	71 ?	?	?	?	?	?	?	?	?	49	0	0	0	0	0	0	0	133 ?
11	0	0	0	0	0	0	11	73 ?	?	?	?	?	?	?	?	78 ?	35	0	0	0	0	0	0	0	197 ?
12	0	0	0	0	0	0	19	71 ?	?	316 ?	?	?	?	?	?	92 ?	28	0	0	0	0	0	0	0	527 ?
13	0	0	0	0	0	0	7	46	91	124	82 ?	54 ?	?	?	41 ?	82 ?	6	0	0	0	0	0	0	0	533 ?
14	0	0	0	0	0	0	1	5 ?	?	37 ?	109	142	101	79 ?	?	?	1	0	0	0	0	0	0	0	474 ?
15	0	0	0	0	0	0	1	11	34 ?	207 ?	146 ?	267 ?	?	273 ?	123 ?	80 ?	38	0	0	0	0	0	0	0	1181 ?
16	0	0	0	0	0	0	5	73 ?	?	?	?	?	?	?	?	?	50	0	0	0	0	0	0	0	128 ?
17	0	0	0	0	0	0	10	67 ?	?	316 ?	?	599 ?	305 ?	269 ?	191	93	34	0	0	0	0	0	0	0	1885 ?
18	0	0	0	0	0	0	9	65 ?	?	164 ?	278 ?	?	?	128 ?	112 ?	?	37	0	0	0	0	0	0	0	792 ?
19	0	0	0	0	0	0	6	65 ?	?	?	?	?	?	?	?	?	44	0	0	0	0	0	0	0	115 ?
20	0	0	0	0	0	0	6	62	?	?	?	?	?	?	?	?	32	0	0	0	0	0	0	0	101 ?
21	0	0	0	0	0	0	0	4	27 ?	56	118	260 ?	181 ?	98 ?	146	75	23	0	0	0	0	0	0	0	988 ?
22	0	0	0	0	0	0	7	65	?	?	?	?	?	?	?	82 ?	16	0	0	0	0	0	0	0	170 ?
23	0	0	0	0	0	0	2	39	?	?	?	?	?	?	?	107 ?	38	0	0	0	0	0	0	0	186 ?
24	0	0	0	0	0	0	7	83	?	?	?	?	?	?	?	104 ?	26	0	0	0	0	0	0	0	220 ?
25	0	0	0	0	0	0	2	44	133	?	214 ?	?	?	?	?	107 ?	43	0	0	0	0	0	0	0	543 ?
26	0	0	0	0	0	0	3	58	?	?	?	?	?	?	?	101 ?	39	0	0	0	0	0	0	0	202 ?
27	0	0	0	0	0	0	4	55	?	?	?	?	?	?	?	130 ?	45	0	0	0	0	0	0	0	234 ?
28	0	0	0	0	0	0	1	17	96	202	270 ?	?	?	?	196 ?	122	56	0	0	0	0	0	0	0	960 ?
29	0	0	0	0	0	0	1	31	140	187	119	113	104	64	44	41	9	0	0	0	0	0	0	0	852
30	0	0	0	0	0	0	0	7	20 ?	32 ?	41 ?	?	99	122 ?	69	31	7	0	0	0	0	0	0	0	429 ?

Avg	0	0	0	0	0	0	7	50	77	154	165	219	184	152	120	82	31	0	0	0	0	0	0	0	0	596 ?
S D	0	0	0	0	0	0	7	26	42	87	76	145	80	70	49	28	16	1	0	0	0	0	0	0	0	485
S/A	0	0	0	0	0	0	0.91	0.52	0.54	0.57	0.46	0.66	0.43	0.46	0.41	0.34	0.5	5.48	0	0	0	0	0	0	0	0.81
Min	0	0	0	0	0	0	0	4	20	32	41	54	99	64	41	31	1	0	0	0	0	0	0	0	101	
Max	0	0	0	0	0	0	27	86	140	316	278	599	305	273	196	130	56	3	0	0	0	0	0	0	1885	
n	0	0	0	0	0	0	111	296	119	134	131	106	103	109	130	158	310	2	0	0	0	0	0	0	1726	

Daylight Data Recovery: 0.0% missing; 0.0% untested; 53.0% exceed the 15% QC threshold -- 3669 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31392F3 Calibration Factor: 7.3961 μV/W/m² Calibration Date: 07/2007

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 2008

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	2	5?	?	?	?	?	?	?	?	?	2	0	0	0	0	0	0	0	8?
2	0	0	0	0	0	0	3	10?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	13?
3	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	1	2	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	7
5	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
7	0	0	0	0	0	0	0	0	1	1	1	0	1?	?	?	?	1	0	0	0	0	0	0	0	5?
8	0	0	0	0	0	0	1	3?	?	?	?	?	0	0	0	0	0	0	0	0	0	0	0	0	5?
9	0	0	0	0	0	0	0	3?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	3?
10	0	0	0	0	0	0	0	3?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	3?
11	0	0	0	0	0	0	0	1?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	2?
12	0	0	0	0	0	0	0	2?	?	0?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	2?
13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
14	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	1?	1?	0?	?	0?	0?	0?	0	0	0	0	0	0	0	0	2?
16	0	0	0	0	0	0	0	1?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	1?
17	0	0	0	0	0	0	0	1?	?	0?	?	?	0?	0?	0	0	0	0	0	0	0	0	0	0	1?
18	0	0	0	0	0	0	0	1?	?	0?	0?	?	?	0?	1?	?	0	0	0	0	0	0	0	0	2?
19	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	0	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	0?
21	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?
22	0	0	0	0	0	0	0	0	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0?
23	0	0	0	0	0	0	0	0	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0	0?
24	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	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?
26	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?
28	0	0	0	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	1	0	0	0	0	0	0	1	1	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	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	2?
S D	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
S/A	0	0	0	0	0	0	1.99	1.72	1.26	1.02	1.15	1.46	1.87	1.78	2.13	3.1	2.65	0	0	0	0	0	0	0	1.16
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	3	10	2	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	13
n	0	0	0	0	0	0	111	302	155	154	141	121	118	127	151	172	310	2	0	0	0	0	0	1873	

Daylight Data Recovery: 0.0% missing; 0.0% untested; 49.0% exceed the 15% QC threshold -- 3669 total daylight measurements.

Instrument: Eppley NIP Serial Number: 23398E6 Calibration Factor: 7.1447 μV/W/m² Calibration Date: 07/2007

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 2008

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	12	28 ?	?	?	?	?	?	?	?	?	14	0	0	0	0	0	0	0	0	54 ?
2	0	0	0	0	0	0	15	30 ?	?	?	?	?	?	?	?	?	26	3	0	0	0	0	0	0	0	74 ?
3	0	0	0	0	0	0	9	49	126	195	237	302	286	167	150	63	9	0	0	0	0	0	0	0	0	1594
4	0	0	0	0	0	0	9	41	80	132	109	112	136	185	112	55	16	0	0	0	0	0	0	0	0	988
5	0	0	0	0	0	0	2	13	39	95	125	122	189	82	95	43	10	0	0	0	0	0	0	0	0	816
6	0	0	0	0	0	0	6	34	65	105	239	178	151	176	139	52	18	0	0	0	0	0	0	0	0	1165
7	0	0	0	0	0	0	5	26	74	133	214	287	234 ?	?	?	?	21	0	0	0	0	0	0	0	0	993 ?
8	0	0	0	0	0	0	18	51 ?	?	?	?	173 ?	167	187	147	106	19	0	0	0	0	0	0	0	0	869 ?
9	0	0	0	0	0	0	10	25 ?	?	?	?	?	?	?	?	?	18	0	0	0	0	0	0	0	0	53 ?
10	0	0	0	0	0	0	9	26 ?	?	?	?	?	?	?	?	?	15	0	0	0	0	0	0	0	0	50 ?
11	0	0	0	0	0	0	10	30 ?	?	?	?	?	?	?	?	59 ?	27	0	0	0	0	0	0	0	0	125 ?
12	0	0	0	0	0	0	18 ?	34 ?	?	242 ?	?	?	?	?	?	57 ?	27	0	0	0	0	0	0	0	0	378 ?
13	0	0	0	0	0	0	7	46	91	124	65	42 ?	33 ?	30 ?	37 ?	69	6	0	0	0	0	0	0	0	0	551 ?
14	0	0	0	0	0	0	1	7	18	34 ?	109	142	101	62	25 ?	?	1	0	0	0	0	0	0	0	0	499 ?
15	0	0	0	0	0	0	1	11	31 ?	179 ?	144 ?	235 ?	?	222 ?	120 ?	72 ?	72 ?	0	0	0	0	0	0	0	0	1052 ?
16	0	0	0	0	0	0	6 ?	23 ?	?	?	?	?	?	?	?	?	18	0	0	0	0	0	0	0	0	47 ?
17	0	0	0	0	0	0	7	24 ?	?	256 ?	?	77 ?	221 ?	226 ?	187	92	32	0	0	0	0	0	0	0	0	1122 ?
18	0	0	0	0	0	0	8 ?	25 ?	?	186 ?	224 ?	?	?	114 ?	124 ?	?	21	0	0	0	0	0	0	0	0	703 ?
19	0	0	0	0	0	0	7 ?	23 ?	?	?	?	?	?	?	?	?	15	0	0	0	0	0	0	0	0	45 ?
20	0	0	0	0	0	0	7 ?	29	?	?	?	?	?	?	?	?	21	0	0	0	0	0	0	0	0	57 ?
21	0	0	0	0	0	0	0	5	21	55	118	233 ?	142 ?	97 ?	123	72	19	0	0	0	0	0	0	0	0	884 ?
22	0	0	0	0	0	0	5	22	?	?	?	?	?	?	?	26 ?	12	0	0	0	0	0	0	0	0	65 ?
23	0	0	0	0	0	0	2	21	?	?	?	?	?	?	?	?	32 ?	15	0	0	0	0	0	0	0	69 ?
24	0	0	0	0	0	0	6 ?	27	?	?	?	?	?	?	?	42 ?	18	0	0	0	0	0	0	0	0	93 ?
25	0	0	0	0	0	0	3 ?	44	112	?	180 ?	?	?	?	?	44 ?	22	0	0	0	0	0	0	0	0	405 ?
26	0	0	0	0	0	0	4 ?	21	?	?	?	?	?	?	?	32 ?	16	0	0	0	0	0	0	0	0	72 ?
27	0	0	0	0	0	0	3	24	?	?	?	?	?	?	?	71 ?	29	0	0	0	0	0	0	0	0	128 ?
28	0	0	0	0	0	0	0	17	96	191	230 ?	?	?	?	181 ?	109	35	0	0	0	0	0	0	0	0	859 ?
29	0	0	0	0	0	0	1	27	139	184	119	113	104	61	40	41	9	0	0	0	0	0	0	0	0	837
30	0	0	0	0	0	0	?	7	16	26	36	30	88	97	69	31	7	0	0	0	0	0	0	0	0	408
Avg	0	0	0	0	0	0	7	26	70	143	154	157	154	131	111	58	18	0	0	0	0	0	0	0	0	502 ?
S/D	0	0	0	0	0	0	5	12	42	71	67	87	70	66	51	24	8	1	0	0	0	0	0	0	0	451
S/A	0	0	0	0	0	0	0.76	0.45	0.61	0.5	0.44	0.55	0.46	0.5	0.46	0.41	0.46	5.48	0	0	0	0	0	0	0	0.9
Min	0	0	0	0	0	0	0	5	16	26	36	30	33	30	25	26	1	0	0	0	0	0	0	0	0	45
Max	0	0	0	0	0	0	18	51	139	256	239	302	286	226	187	109	37	3	0	0	0	0	0	0	0	1594
n	0	0	0	0	0	0	93	302	150	147	141	121	111	121	139	160	310	2	0	0	0	0	0	0	0	1811

Daylight Data Recovery: 0.0% missing; 0.0% untested; 50.6% exceed the 15% QC threshold -- 3669 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31393F3 Calibration Factor: 7.6820 μV/W/m² Calibration Date: 07/2007

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
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

Dry Bulb Temperature (Roof)
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	9.1	8.7	8.6	7.7	7.6	7.5	7.3	8.5	11.4	14.4	17.1	19.6	21	22.1	22.7	22.7	21.3	18.3	16.2	14	12.8	11.8	11.1	10.3	13.8
2	9.5	9	9.3	8.3	8.5	7.8	7.7	9.7	12.6	16.3	19.4	20.9	21.5	21.7	20.1	18	16.3	15.5	15.5	15.4	15.2	14.9	14.7	14.6	14.3
3	14.3	14.2	14.2	14.4	14.7	15.1	15.3	15.6	16.2	17.2	17.7	18.1	18.2	18.5	18.3	17.7	17.2	16.7	16.6	16.7	17	16.6	16.3	16.2	16.4
4	16.2	15.9	16.3	16.2	16.1	15.3	15.3	15.7	16.8	17.8	17.8	17.7	17.5	18	17.8	17.8	17.7	17.3	17	17.1	16.9	17	17.4	17.6	16.9
5	16.4	17	16.7	16.5	16.5	16.3	16.2	16.3	16.4	16	16	15.9	16.2	16.3	16	15.5	15.4	15.1	14.8	14.6	14.3	14.1	14.3	15	15.7
6	14.8	14	14.2	13.8	13.7	13.6	13.6	14.2	15.1	15.5	16.2	16.4	16.3	16.9	16.7	16.9	16.9	16.8	16.5	16.3	16.2	16	16.3	16.2	15.5
7	16	15.3	15.1	14.8	14.9	14.6	15	15.6	15.9	16.4	17.1	17.8	19.1	21	21.9	20.8	20	18.3	16.9	16.1	15.9	15.8	15.3	14.8	16.9
8	14.6	14.5	14.2	13.8	14	14.2	13.9	15	16.8	18	19.4	20.6	19.9	19.6	19.7	20	20	18.3	17.1	16.4	15.6	15.4	14.9	13.6	16.6
9	12.4	11.2	10.6	10.2	9.4	8.4	8.1	8.5	11.2	13.4	15.5	16.5	17	17.1	17.7	17.8	17.1	15	13.6	12.3	10.7	9.3	8.6	8.4	12.5
10	8	7.1	6.3	5.6	5	4.7	4.1	4.6	7.4	10.1	12	12.9	14	14.6	14.9	14.9	14.2	12.2	10.4	9.7	9	8.4	7.3	5.7	9.3
11	5.8	6.1	6.6	6.2	5.9	6	6.3	6.7	8.1	9.3	10.4	11.4	12.1	12.9	13.1	12.9	11.9	9.8	8.4	8.4	8	7.8	7.3	7.5	8.7
12	8	8.2	7.7	7.7	7.4	7.4	7.2	7.7	9.7	11.3	13.1	14	14.2	14.8	15	13.9	12.7	11.7	11.1	10.8	10.9	11.1	11.2	11.6	10.8
13	11.9	12	11.8	12.6	13	13.7	14.3	15.7	17.5	17.7	17.8	17.1	17.4	17.2	18	18.9	18.4	17.6	15.3	14.4	13.7	13.6	13.6	13.7	15.3
14	13.7	13.8	13.8	14	14.2	14.3	14.4	14.7	14.9	15.2	15.5	16.5	17	17.5	17.7	17.7	17.9	17.9	17.7	17.8	17.9	18.6	19.1	19.4	16.3
15	20	20.5	20.7	20.8	21	21.1	20.9	20.4	19.7	19.7	21.2	23.9	24	23.9	24.2	23.6	22.9	22.2	21.6	19.8	16	15.2	14.8	14.3	20.5
16	12.6	12.5	11	9.8	8.7	7.7	7.1	7.3	8.5	9.9	10.9	11.7	12.1	12.3	12.6	12.4	11.8	10.2	8.9	7.9	7.3	6.5	5.8	5.4	9.6
17	4.8	4.2	3.7	3.1	2.4	2	1.7	2.4	3.9	5.7	7.6	8.8	9	9.4	9.3	9.3	9.2	8.3	7.4	7.3	7.5	7.3	6.7	5.8	6.1
18	4.7	3.9	3	2.1	1.2	0.5	0.9	1.6	3.2	4.3	5.5	6.1	5.9	5.6	5.2	5.7	4.7	3.5	2.9	2.6	2.2	2	1.3	0.8	3.3
19	0.3	-0.1	-0.4	-0.7	-1	-1.3	-1.8	-1.4	-0.4	0.9	1.8	2.5	3.3	4.1	4.5	4.5	4	2.6	1.6	0.9	0.9	1.6	1.8	2.1	1.3
20	2.6	3.1	3	2.8	2.1	1.8	1.6	1.7	3.6	5.7	8	10.1	11.5	12.2	12.5	12.1	11	9.6	8.2	6.9	5.9	4.6	3.7	4.1	6.2
21	4.6	4.9	4.8	4.7	4.4	2.7	1	0.5	0.3	0.5	1	2.1	3.9	3.8	5.2	5.2	4.3	3.4	3.5	3	1.4	0.4	-0.4	-1.3	2.7
22	-1.7	-2.2	-3	-3.2	-3.4	-4	-4.5	-4.2	-2.4	-0.1	1.4	2.4	3.3	4.1	4.6	4.8	3.6	2.6	2.1	1.5	1.6	1	0.3	-0.4	0.2
23	-0.3	-0.7	-0.7	-0.4	-0.5	-1	-1.2	-1.6	1.1	3.8	5.3	6.5	7.9	8.3	9	8.1	7.1	5.5	4.4	3.9	3.7	3.3	3.1	2.7	3.2
24	2.7	2.6	2.4	2.1	1.3	1.1	0.9	1.5	4.8	7.6	9.4	10.7	11.9	12.5	13.2	13.6	12	10.9	11	11.2	11.5	11.1	10.7	10.3	7.8
25	10.4	10.3	9.8	9.6	9.5	9.4	9.4	9.4	9.4	9.4	9.5	10.3	10.9	11.3	11.4	10.9	9.9	8.7	7.6	6.6	5.6	4.5	3.9	3.8	8.8
26	3.1	2.6	2.2	2.3	2.4	2	1.3	1.5	3.3	5	6.8	8.3	8.8	9.1	9.4	9.5	8.7	7.3	6.1	5.2	4.1	3.4	1.9	1.2	4.8
27	1.1	1.1	0.9	0.1	0	1.9	2.2	2.4	4.7	6.1	8.4	10.5	11.8	13	13.5	13.6	13.1	11.3	9.2	7.8	7.6	7.3	6.9	6.5	6.7
28	6.3	6.3	6.6	6.4	6.5	6.8	6.6	6.5	7.1	8	10.4	12.5	14.7	16.1	16	15.8	15.5	13.5	12.6	12.1	11.6	11	9.9	9.2	10.3
29	8.4	8.2	8.5	8.2	7.5	7.3	7.2	7.6	8.8	9.3	9.5	9.5	9.4	9.3	8.7	8.5	8.7	8.6	8.5	8.7	8.9	8.4	8	8.5	8.5
30	9.1	9.7	10.3	10.8	11.2	11.2	11.3	11.2	11.6	12.3	13.7	14.2	14.8	15.4	15.5	14.5	15.1	15.6	15.8	15.9	15.9	15.7	15.8	15.8	13.4
Avg	8.6	8.5	8.3	8	7.8	7.6	7.5	7.8	9.2	10.6	11.9	12.8	13.5	14	14.1	13.9	13.3	12.1	11.3	10.7	10.2	9.8	9.4	9.1	10.4
SD	5.7	5.8	5.9	6	6.2	6.3	6.5	6.5	6.1	5.8	5.7	5.5	5.5	5.4	5.3	5.4	5.4	5.4	5.4	5.4	5.3	5.5	5.8	5.9	5.5
S/A	0.66	0.69	0.71	0.75	0.79	0.83	0.87	0.83	0.66	0.55	0.48	0.44	0.41	0.39	0.38	0.38	0.4	0.44	0.48	0.5	0.52	0.56	0.61	0.65	0.52
Min	-1.7	-2.2	-3	-3.2	-3.4	-4	-4.5	-4.2	-2.4	-0.1	1	2.1	3.3	3.8	4.5	4.5	3.6	2.6	1.6	0.9	0.9	0.4	-0.4	-1.3	0.2
Max	20	20.5	20.7	20.8	21	21.1	20.9	20.4	19.7	19.7	21.2	23.9	24	23.9	24.2	23.6	22.9	22.2	21.6	19.8	17.9	18.6	19.1	19.4	20.5
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% untested; 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.

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

Relative Humidity (Roof)
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	80.6	82.6	79.7	83.3	81.5	79.8	80.4	77.4	69.5	61.2	55.3	49.9	45.4	42.7	40.7	40.6	47	56.7	62.5	76.1	83.2	90	94.3	98.6	69.1
2	102.9	102.7	100.3	102.6	102.3	103.2	103.9	98.9	86.8	76.2	62.7	52.2	51.9	53.4	68.2	88.9	100.1	103.8	104.7	105 ?	?	?	?	?	88.5 ?
3	?	?	?	?	?	?	?	?	104.5 ?	103.1	101.5	100	99.6	99.6	100.7	102.4	104.4	?	?	?	?	?	?	?	101.8 ?
4	?	?	?	?	?	102.9 ?	101.4	99.4	101.2	101.6	103.8	104.6 ?	102.5	101.2	102.9	102.3	102.6	103.8	105 ?	103.9	103.6	103.5	104.3	104.7 ?	102.9 ?
5	?	?	?	?	?	?	?	?	?	102.6 ?	101.4	102.9	101.8	100.2	102.1 ?	?	104.8 ?	104.8 ?	104.7 ?	?	?	?	103.2 ?	97.7	102.4 ?
6	98.2	103.5	104.6	?	?	?	?	104 ?	101.5	100.4	100	101.3	103.3	101.3	104	102.7	102.3	102.9	103.1	103.4	103.5	104	103.2	103.7	102.5 ?
7	104.2 ?	?	?	?	?	?	?	?	105 ?	103.3	100.8	98.5	94.8	87.9	83.8	90.9	94.4	99.9	103.6	104.5 ?	?	?	?	?	97.8 ?
8	?	?	104.9 ?	?	104.5 ?	104.3	104.9 ?	102.9	97.6	92.6	88.1	85	89.8	92.2	92.8	89.9	84.1	82.6	84.9	83.4	81.1	78.1	78.8	83.5	90.8 ?
9	81	80.1	81.6	82.8	87.9	93.6	94.6	93	80.3	68.8	58	53.3	50.8	50.4	49.2	50	53.4	63.6	70.6	84.1	95.3	100.5	102.4	99.6	76
10	92.4	92.4	94	94.5	95.2	94.6	95.8	94.8	82.1	69.9	57.8	53.2	51.5	50.9	50.4	50.3	51.9	62.4	81.2	90.2	94.5	97.4	100.8	104.7 ?	79.3
11	104.7 ?	100.5 ?	97.5	97.9	94.4	90.3	90.3	89.7	83.3	78	72	67.1	64.8	62	58	55.6	59.5	73.6	83.3	84.1	86.7	85.5	88.1	90.3	81.5
12	89.3	90	90.3	86.9	87.5	88.2	92.6	91.5	85.5	82.8	78.9	77.6	75.4	74.4	74.3	80.4	86.5	92.9	96.1	97.5	99.8	101.3	102.4	104.5 ?	88.6
13	?	?	?	?	?	?	?	100.8	97.1	99.4	102.4 ?	?	?	?	?	?	?	?	?	?	?	?	?	?	99.9 ?
14	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
15	?	?	?	?	?	104.9	102.6 ?	104.2 ?	?	103.7 ?	103	96	93.4	94.3	93.4	95.3	97	98.4	99.2	99.4 ?	102.3 ?	89.8	92.3	91.4	97.8 ?
16	103.4	98.3	80	78.6	81.3	83	84.4	82.6	77.2	69	61.6	57.8	57.1	56.2	55.2	55.1	59	61.9	67.9	74.3	74.6	78.4	81	81.2	73.3
17	81.3	86.4	86	86.4	91.5	92.6	94.2	90.3	82.6	77.2	68.4	58.9	60.3	62.3	67.2	66.9	68.9	74.5	80.1	79.3	75.9	77.2	79.1	82.9	77.9
18	86.4	88.6	93.7	98	100.8	103.8	103.7	102	92.4	83.9	69.9	58.7	57.3	55.3	52.7	48.2	48.5	56.6	59.9	60.8	61.9	61	66.3	69.9	74.2
19	71.8	74.2	75.5	76.4	76.2	78	80.2	75.8	69.6	62.1	54.8	49.7	47.5	46.7	45.9	47.9	51.5	58.6	62.5	68.5	70.2	70.4	74.9	78.2	65.3
20	75.1	68.2	69.6	69.7	70.4	72.7	73.2	74.9	67.7	60.3	55.2	51.7	49.2	48.2	48.2	49.1	53.5	59.7	67.6	80.8	86.1	92.2	96.7	92.1	68
21	82.6	76.9	76.1	72.7	72.8	92.6	103.9 ?	?	?	?	?	103.7 ?	90.7	86.1	66.4	51.5	53.5	58	55.1	48.5	49.2	54.5	58	63.1	70.8 ?
22	64.9	65.9	70.8	72	73.1	74.2	76.4	74.2	66.3	55.6	47.7	43.7	39.8	37.3	37.6	37.3	42.6	47.7	50.3	54.5	58	68.8	68.3	73.8	58.4
23	72.8	74.9	74.8	75.4	78.9	83.8	82	85.3	73.2	68.1	55.9	50.4	43.1	40.6	42.3	47.1	52.3	60.1	73.5	78	78.1	82.8	82.9	85.9	68.4
24	88.4	90.9	95.2	97.7	100.9	103.4	104.9 ?	102	90.8	73.5	58.5	48.9	49.6	53	54.4	54.8	63.9	72.1	73.4	78.4	85.3	91.5	95.1	98	80.2
25	99.1	100.6	103.3 ?	?	?	?	?	?	101.7 ?	91.5	82.6	64.6	50.7	46.6	45.6	47.4	51.2	53.5	57.9	63.9	67.1	70.5	72.8	71.8	70.7 ?
26	74.9	76.6	78.7	77.3	76.9	78.6	81.3	81	74.4	69.6	61.9	56.7	54.2	53.6	53.1	53.6	56.6	62.6	68.2	72	76.9	80	89	92.8	70.8
27	92	96.4	95.4	95.7	98.3	92.9	99.7	99.7	91	80.7	67.9	63.2	54	50.1	47.8	48.7	51.5	58	67.4	76.9	76.2	79	84.5	92	77.5
28	97.3	100.5	100.2	99.7	99.3	97.8	98.3	98.9	95.6	93.1	82.9	73.6	63.7	55.9	54.7	56.2	63.7	72.4	74.6	74.8	76.4	79.1	83.8	86.8	82.5
29	92	90	83.9	79.4	89	86.5	85.2	86.4	82.6	76.1	73.9	75.3	75.3	78.9	88.8	92.1	88.4	88.6	90.5	91.5	93.9	101.1 ?	?	?	85.9
30	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	104.2 ?	102.6	?
Avg	88	87.6	88	85.6	88.1	91	92.4	91.7	86.4	81.6	75.1	70.3	67.3	66	65.9	65.6	70.1	74.2	78.8	81.3	81.7	84.2	87.8	89.6	82.2 ?
S D	11.8	11.7	11.4	10.8	11.1	10.4	10.4	10.2	12.2	15.4	18.8	20.9	21.4	21.5	21.9	22.1	21.7	18.8	17.3	15.6	14.8	13.8	13.5	12.1	13.1
S/A	0.13	0.13	0.13	0.13	0.13	0.11	0.11	0.11	0.14	0.19	0.25	0.3	0.32	0.33	0.33	0.34	0.31	0.25	0.22	0.19	0.18	0.16	0.15	0.13	0.16
Min	64.9	65.9	69.6	69.7	70.4	72.7	73.2	74.2	66.3	55.6	47.7	43.7	39.8	37.3	37.6	37.3	42.6	47.7	50.3	48.5	49.2	54.5	58	63.1	58.4
Max	104.7	103.5	104.9	102.6	104.5	104.9	104.9	104.2	105	103.7	103.8	104.6	103.3	101.3	104	102.7	104.8	104.8	105	105	103.6	104	104.3	104.7	102.9
n	257	245	250	228	235	256	235	263	275	314	321	315	322	324	318	312	314	302	296	283	272	273	276	276	6747

Data Recovery: 0.0% missing; 0.0% untested; 21.7% 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
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

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	8	7.6	7.3	7	6.5	6.3	6.2	7.5	11.6	16.6	21.4	25	26.8	27.2	27.5	26.3	22.5	17.9	14.8	12.3	10.4	9	8.2	8.2	15.1
2	7.8	7.3	6.9	6.5	6	5.7	5.4	6.8	11.8	17.3	22.2	25.4	26.7	27.2	26.5	24.5	21.7	18.4	16.8	16.3	15.8	15.3	14.7	14.5	15.3
3	14.2	14.1	14	14	14.3	14.7	15.1	15.5	16.3	17.7	19.1	20.1	21.2	21.3	20.8	20.1	19.1	18.2	17.5	17.2	17.2	17	16.7	16.5	17.2
4	16.5	16.3	16.2	16.3	16.4	16	15.3	15.2	16	17.4	18.4	18.3	18.1	18.6	19.2	19	18.7	18.3	17.8	17.5	17.2	17.2	17.3	17.6	17.3
5	17.4	17	17.1	16.9	16.8	16.7	16.6	16.4	16.3	16.1	16.2	16.2	16.5	16.6	16.2	16.2	15.8	15.5	15.1	14.8	14.6	14.4	14.2	14.2	16
6	14.6	14.4	14.1	14	14	14	13.9	13.9	14.4	15.2	16.4	17.7	17.3	17.2	17.4	17.1	17	16.9	16.6	16.4	16.2	16.2	16.3	16.5	15.7
7	16.4	15.7	15.1	14.8	14.9	15	15.1	15.5	16.1	17.1	18.4	19.9	21.9	24.8	26.7	26.7	25	21.7	18.2	16.3	15.5	15.3	15.1	14.8	18.2
8	14.3	13.9	13.5	13.1	12.9	13	13	13.7	16.7	20.6	23.2	25.6	24.7	22.8	21.9	21.6	21.9	20.4	17.9	16.4	15.3	14.5	14.4	13.9	17.5
9	12.8	11.4	9.9	9.3	8.7	7.9	7.1	7.8	11.5	16.5	21	24	24.9	24	23	22.3	21.1	17.7	14.1	12.2	10.4	8.5	7.3	6.8	14.2
10	6.5	6	5.3	4.6	3.9	3.2	2.9	3.6	7.6	12.8	16.8	19.1	20.5	20.7	20.1	19.7	18.6	14.8	10.6	8.8	7.6	6.5	5.3	4.6	10.4
11	3.9	3.9	4.5	4.9	5	4.9	4.9	5.7	8.6	11.9	14.4	16.7	18.3	19.2	19.3	18.7	15.8	12.6	9.4	8	7.5	7	6.6	6.4	9.9
12	6.9	7.4	7.5	6.9	6.8	6.9	6.8	7.2	10.1	13.6	16.4	19.3	20.3	20.6	20.5	19.4	16.7	13.7	11.6	10.6	10.2	10.3	10.5	10.7	12.1
13	10.7	11.1	11.4	11.6	12.2	12.8	13.4	14.2	16	17.6	18.5	18	17.7	17.7	17.6	18.1	18.6	18.4	17.6	16.2	15.2	14.6	14.3	14.2	15.3
14	14.2	14.3	14.3	14.4	14.6	14.7	14.8	15	15.2	15.6	15.8	16.6	17.3	17.8	18.1	18.1	18.2	18.2	18.2	18.1	18.1	18.4	18.9	19.4	16.6
15	19.8	20.2	20.6	20.7	20.7	20.7	20.8	20.6	20.4	20.3	21.5	24.3	26.6	27.7	27.5	26.7	25.2	23.8	22.7	21.9	19.4	16.5	15.6	15.2	21.6
16	14.2	13	12.2	11	9.7	8.2	7.1	6.9	9.3	12.2	14.8	16.4	16.9	16.7	16.1	15.8	14.9	12.4	9.5	7.3	6	5.3	4.5	3.7	11
17	3.4	2.8	2.3	1.8	1.2	0.7	0.4	1	4.6	8.9	11.9	15.9	16.7	15.2	13.6	12.2	11.1	9.5	7.2	6	6.1	6.5	6.4	5.8	7.1
18	4.5	3.3	2.5	1.3	0.4	-0.3	-0.7	0	3.1	6.2	8.5	10.5	10.9	10	8.9	8.2	8	5.1	2.9	2	1.4	1.1	0.8	0.1	4.1
19	-0.4	-1	-1.4	-1.7	-2.1	-2.4	-2.8	-2.6	0.2	3.4	5.9	7.6	8.4	8.8	8.8	8.7	7.8	4.8	2	0	-0.6	0.3	1.1	1.6	2.3
20	2	2.5	2.9	2.7	1.7	0.7	0.4	0.8	3.4	7.3	10.8	13.7	15.6	16.6	16.7	16.1	14.4	11.2	8.4	6.4	4.8	3.3	2.4	2.2	6.9
21	2.6	3.4	4.2	4.4	4.6	4.3	3	1.8	1.1	0.9	1.2	2.1	5	6.6	6.9	6.8	5.7	4	3	3	2.3	0.7	-0.6	-1.6	3.1
22	-2.5	-3.2	-3.8	-4.5	-4.9	-5.3	-5.7	-5.5	-2.4	1.7	5.1	7.2	8.4	8.7	8.7	8.7	7.2	3.7	1.8	0.8	0.6	0.3	-0.7	-1.9	0.9
23	-3	-3.4	-3.7	-3	-2.4	-2.2	-2.2	-2.9	-0.3	5.8	10.4	13.5	15.3	15.5	14.8	13.9	11.8	7.9	4.7	3.2	2.5	1.9	1.5	1	4.2
24	0.6	0.4	0.3	-0.5	-1.3	-1.7	-1.9	-1.3	2.7	8	12.6	15.3	16.7	17.2	17	16.6	15.7	13.3	11.8	11.5	11.5	11.6	11.3	10.9	8.3
25	10.7	10.6	10.3	9.9	9.7	9.7	9.6	9.5	9.8	11.1	13	14.7	15.6	15.6	15.1	14.6	13.1	10.4	8.2	6.7	5.4	4.3	3.4	2.9	10.2
26	2.4	1.7	1.3	1	0.9	0.8	0.4	0.4	3.3	7.1	10.5	13.4	15.1	15	14.1	13.4	12.3	9.1	6.3	4.5	3.4	2.2	0.9	-0.6	5.8
27	-1.6	-2	-2.3	-2.5	-2.7	-2.1	-1.2	-0.1	3.6	8.7	12.4	16.1	18.2	18.3	17.9	17.4	16.5	13	10	7.9	6.7	5.9	5.4	4.9	7
28	4.5	4.3	4.5	4.6	4.9	5.1	5.5	5.8	6.3	7.5	10.1	13.8	16.9	19.1	19.2	18.3	17.6	15.5	12.7	11.7	11.3	10.6	9.5	8.1	10.3
29	7.4	6.7	6.4	6.8	7.3	7.3	7.2	7.1	7.9	9.6	10.6	10.8	10.8	10.7	10.2	9.1	8.8	8.9	8.9	9	9.2	9.1	8.6	8.5	8.6
30	8.9	9.3	9.9	10.5	11	11.4	11.7	11.7	11.9	12.2	13	14	14.7	15.5	16	16	15.5	15.6	15.8	15.8	15.9	15.8	15.7	15.5	13.5
Avg	7.9	7.6	7.4	7.2	7.1	6.9	6.7	7	9.1	11.9	14.3	16.4	17.5	17.8	17.5	17.1	16	13.8	11.8	10.7	10	9.4	8.9	8.5	11.2
S D	6.5	6.5	6.6	6.6	6.8	6.9	7	6.9	6.2	5.4	5.4	5.5	5.4	5.4	5.5	5.5	5.4	5.6	5.8	5.9	5.9	5.9	6.2	6.5	5.4
S/A	0.82	0.85	0.88	0.92	0.96	1	1.04	0.99	0.68	0.46	0.37	0.34	0.31	0.31	0.32	0.32	0.34	0.4	0.49	0.55	0.6	0.64	0.7	0.76	0.49
Min	-3	-3.4	-3.8	-4.5	-4.9	-5.3	-5.7	-5.5	-2.4	0.9	1.2	2.1	5	6.6	6.9	6.8	5.7	3.7	1.8	0	-0.6	0.3	-0.7	-1.9	0.9
Max	19.8	20.2	20.6	20.7	20.7	20.7	20.8	20.6	20.4	20.6	23.2	25.6	26.8	27.7	27.5	27.5	26.3	23.8	22.7	21.9	19.4	18.4	18.9	19.4	21.6
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% untested; 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
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

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	1.3	1.2	1.6	1.4	1.4	1.5	1.3	1.5	1.8	1.3	1.3	1.7	2.1	1.9	1.5	1.6	1	0.8	0.6	0.3	0.1	0	0	0.2	1.1
2	0.3	0	0.1	0	0	0	0	0.1	1.3	1.6	2.6	3.4	3.1	3.2	3.6	3.9	3.8	3	2.9	2.9	2.5	2	1.9	1.5	1.8
3	1.9	2.1	2.3	2.3	1.7	2.3	2.6	2.5	2.7	2.9	3.3	3.1	3.1	2.9	3.1	3.2	2.6	3.2	2.3	2.2	1.9	0.9	1.7	1.8	2.4
4	0.6	1.9	3.1	2.7	4	3.7	3.7	3.4	3.3	4	3.1	2.6	3.4	4	3.7	3.7	3.7	2.8	3.2	3.4	3.7	3.9	3.8	4.4	3.3
5	5.1	3.8	3.1	3.5	4.5	4.9	4.6	5.6	7.5	6.5	6.9	7	6.6	5.4	5.5	5.6	4.8	5	5.1	5	4.4	4.9	4.3	5	5.2
6	4.8	3.8	3.3	2.8	3.4	3.9	3.4	3.2	3.2	3.5	3.7	4.1	3.4	3.5	3	2.6	3	2.4	1.5	1.7	1.3	1.7	1.8	1.4	2.9
7	0.8	0.7	0.5	0.8	0.5	0.1	0.3	0.9	0.3	0.7	0.9	1.5	1.2	1.3	1.2	1.9	0.9	0.6	0.7	1.3	1.7	1.7	1.4	1.2	1
8	1.1	1	0.7	0.5	1.3	1.5	1.6	1.7	2.2	2.7	2.6	3.2	3.6	4.2	2.5	2.8	2.4	2.3	2.2	2.2	1.8	3.3	3.8	2.8	2.3
9	2.4	1.3	1.8	1.9	1.9	1.6	1.6	1.2	1	1	0.7	1	1.7	2.2	2.3	2	1.1	0.6	1.2	0.9	0.1	0.1	0.6	1.2	1.3
10	1.4	1.2	1.1	1.4	1	1.1	1	1.3	1.2	1.6	1.9	1.9	2	2.2	1.9	1.7	1.2	0.2	1.1	0.8	0.5	0	0.3	0.3	1.2
11	0.4	2.4	2.8	3.1	3.3	2.9	2.4	1.9	2.5	3.9	3	2.6	2	1.4	1.5	1.2	1	1.4	1.5	1.1	0.7	0.9	0.9	1.1	1.9
12	1.2	0.8	1.2	1.1	1.2	1.3	1.3	1.2	1.3	2	2.2	2.5	2.6	2.2	2.3	2.6	2.7	1.7	1.4	1.3	1.9	2.1	2.3	1.9	1.8
13	1.7	1.3	1.2	1.4	1.6	2.8	2.4	3	4.2	3.3	4.6	2.9	4.3	2.5	3.4	5.5	1.6	2.1	1.8	0.5	0.8	0.6	0.7	0.1	2.3
14	0.1	0	0	0	0	0	0.9	0.2	0.1	0.6	0.2	1.7	2.2	1.2	0.4	0.5	1.1	0.6	1.7	1.8	1.6	1.7	2.4	2.2	0.9
15	2.6	2.9	2.7	3.1	2.4	2.8	2.4	1.4	3.1	2.4	3.1	4	4.9	5.4	4.9	4.4	3.3	3.2	2.9	4.2	6.6	4.2	3.8	4.4	3.5
16	3.5	3.9	4	4	3.4	3.2	2.8	3.2	3.4	3.8	4.4	4.2	4.8	5	4.7	4.6	3.9	2	1	0.9	1.1	1.2	0.7	1.5	3.1
17	1.1	1.2	1.3	1.1	1.1	1.5	1.3	1.3	1.6	1.6	0.8	1.3	1.8	2.4	2	1.9	1.5	0.9	0.6	0.6	0.9	1.1	1.7	1.8	1.4
18	2.2	2.3	1.4	1.2	1.4	1.4	1.7	2.4	3.5	4.1	4.2	5	5	5.2	4.7	4.7	4.3	3	3.4	3.1	3.8	4.5	3.6	3.6	3.3
19	3.3	3.4	3.3	2.7	2.7	2.5	2.7	3.1	3.7	3.9	4.1	4.4	4.1	3.6	3.1	2.7	1.9	1.3	0.8	0.2	1.1	1	0.7	1.6	2.6
20	2.1	2.3	2	1.7	1.3	1.8	2	2.1	2.8	3.3	3.1	3.4	3.3	3.3	3	2.8	2.1	1	0.7	0.4	0.3	0.2	0.4	1.5	2
21	1.6	1.7	1.1	2	3.1	3.4	2.2	2.4	2.1	0	1.1	3.2	3.7	3.2	3.3	4.5	3.4	3	3.6	4.3	4	3.6	2.9	2.5	2.7
22	2.8	2.2	1.9	2	1.9	1.9	1.6	1.7	2.4	3.4	3.8	3.6	3.8	3.3	2.9	2.5	1.4	0.6	0.3	0.5	0.1	0.3	0.4	0.3	1.9
23	0.5	0.4	0.7	1.2	0.8	0.9	0.1	0.3	0.4	1.3	1.2	1	1.1	1.4	1.1	2.1	1.6	1.1	1.6	1.6	1.5	1.6	1.4	1	1.1
24	1.1	1.2	0.4	0.1	0	0.1	0.1	1	1.5	1.6	2.1	2.2	2.5	2.5	3.3	2.3	1.7	1.6	2.2	2.8	2.4	2.2	2.2	2	1.6
25	1.5	0.8	0.7	1.9	1.3	2.3	2.7	3.1	3.7	4.2	3.9	4.2	4.2	4.8	5	4.3	3.4	3.6	2.9	2.5	2.3	2.4	2.9	2.6	3
26	2.1	2.3	2.4	2.4	2.3	2	1.8	1.9	2.4	2.7	2.5	1.8	2.5	3.1	2.7	2.2	1.7	1.2	0.7	1.5	0.9	0.5	0.2	0	1.8
27	0.1	0	0.2	0.2	1	1.1	1.1	0.9	0.6	1.9	1.3	1	2.3	2.3	2.5	2.2	0.9	0.7	1.2	1.3	1.2	1.1	0.9	0.9	1.1
28	0.8	1.2	1.2	1.3	1.4	1.6	1.4	1.4	2.6	3.1	2.5	2.9	3.4	3.5	3.1	2.8	1.2	1	0.9	0.9	0.2	0.3	0.1	0.2	1.6
29	0.6	0.6	1.4	2.8	3.3	3.1	3	2.8	3.4	4.7	3.6	3.7	3.2	2.5	1.7	2.1	2.5	2.6	2.5	2.9	2.8	3.2	3.2	3.3	2.7
30	2.8	2.7	2.3	1.4	0.2	0	0.1	0.1	0.5	0.3	1	1.9	1.4	1.8	2.1	2.2	1.8	1.6	1.9	2.5	3.2	4	4.5	4.6	1.9
Avg	1.7	1.7	1.7	1.7	1.8	1.9	1.8	1.9	2.3	2.6	2.6	2.9	3.1	3	2.9	2.9	2.3	1.8	1.8	1.9	1.8	1.8	1.9	1.9	2.2
S D	1.3	1.1	1.1	1.1	1.2	1.3	1.1	1.2	1.5	1.5	1.5	1.4	1.3	1.2	1.2	1.3	1.1	1.1	1.1	1.3	1.5	1.5	1.4	1.4	1
S/A	0.74	0.67	0.65	0.61	0.69	0.66	0.63	0.64	0.65	0.58	0.56	0.47	0.41	0.41	0.43	0.44	0.5	0.62	0.62	0.69	0.83	0.8	0.75	0.75	0.45
Min	0.1	0	0	0	0	0	0	0.1	0.1	0	0.2	1	1.1	1.2	0.4	0.5	0.9	0.2	0.3	0.2	0.1	0	0	0	0.9
Max	5.1	3.9	4	4	4.5	4.9	4.6	5.6	7.5	6.5	6.9	7	6.6	5.4	5.5	5.6	4.8	5	5.1	5	6.6	4.9	4.5	5	5.2
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% untested; 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
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

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	224	239	233	221	220	219	214	223	242	250	235	218	242	228	244	222	183	193	166	84	115	109	0	137	225
2	163	227	228	0	0	0	0	14	22	50	61	67	70	66	54	36	38	36	31	30	26	24	24	15	44
3	23	27	22	17	20	19	19	28	28	36	35	31	17	38	37	33	33	33	32	42	37	41	36	25	30
4	24	44	62	55	63	56	37	36	50	64	51	46	43	55	55	52	47	37	35	36	28	27	42	51	47
5	49	40	27	24	31	25	22	21	33	22	8	349	336	324	319	314	309	308	308	306	307	301	301	303	348
6	301	297	296	284	274	272	274	280	283	293	294	292	287	296	292	293	288	293	292	297	295	278	287	298	289
7	282	283	292	277	281	289	311	323	296	309	278	269	268	271	237	173	179	155	133	140	159	163	164	172	219
8	187	195	199	186	174	183	179	184	197	194	200	207	232	226	207	207	214	225	229	226	210	222	248	264	214
9	270	270	253	239	237	226	231	240	266	294	203	209	197	147	244	264	285	303	333	4	1	274	271	273	249
10	288	291	289	293	290	288	281	287	303	338	319	289	296	303	286	277	296	310	59	75	67	0	305	311	301
11	335	355	3	10	7	14	32	10	13	24	33	29	15	5	351	295	350	40	76	50	37	354	12	48	16
12	46	341	339	359	338	357	4	356	343	351	55	89	98	101	86	70	70	62	59	47	63	64	63	70	53
13	70	35	60	69	76	80	94	119	126	121	140	132	129	61	118	152	325	0	343	290	283	281	271	277	107
14	300	167	294	348	42	109	141	132	290	204	179	137	136	147	155	263	297	97	107	126	129	150	159	159	144
15	164	170	175	169	178	191	197	169	212	168	171	182	185	183	187	191	186	172	178	224	256	240	236	236	197
16	236	263	280	273	274	275	274	275	279	287	292	278	265	269	262	260	266	286	277	279	275	261	270	278	272
17	286	277	282	272	267	263	266	281	288	303	313	247	217	221	199	229	226	238	264	283	285	270	280	286	260
18	297	301	298	290	287	289	299	308	321	321	327	317	314	320	314	318	311	302	306	309	315	313	305	302	311
19	299	297	300	302	307	299	300	301	303	318	314	320	321	298	305	294	281	270	256	225	223	241	221	227	299
20	231	231	225	216	215	228	233	232	243	259	258	267	286	288	299	293	297	292	52	66	352	283	297	328	263
21	333	329	308	312	322	329	325	337	332	321	282	276	284	304	295	299	295	306	302	300	302	301	298	293	305
22	297	294	287	293	288	287	284	278	288	297	300	302	289	291	296	302	285	277	261	257	270	237	214	222	291
23	223	233	232	250	269	315	279	319	336	43	77	109	235	270	169	101	125	115	117	132	149	161	158	162	149
24	148	153	137	127	4	127	140	159	127	159	174	167	191	207	212	188	163	152	155	163	182	181	182	193	175
25	186	212	182	230	204	219	238	258	272	285	288	282	292	277	276	275	272	273	279	283	277	271	263	270	269
26	276	271	263	261	261	269	265	260	268	280	295	295	252	254	251	257	242	235	249	266	269	262	212	204	264
27	60	31	200	210	110	147	160	165	203	240	235	236	247	240	221	224	218	146	126	120	119	127	155	171	195
28	186	183	193	188	188	191	205	216	227	228	230	247	260	253	233	233	224	220	224	222	216	163	182	243	225
29	328	301	323	359	9	15	14	30	37	45	47	44	33	34	29	39	46	47	49	55	59	62	55	56	36
30	66	64	69	65	39	0	340	57	104	129	137	127	140	141	124	104	114	132	159	171	175	156	159	192	135
Avg	293	299	301	300	308	306	303	308	312	325	322	300	283	280	273	274	295	315	339	310	292	271	267	276	293
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% untested; 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
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

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	2.1	1.7	2.4	2.1	2.1	2.3	2.1	2.4	3	2.3	2.6	3	4	3.6	3.3	2.7	2.1	1.8	1.3	0.7	0.2	0	0	0.5	2
2	0.7	0.2	0.4	0	0	0	0	0.4	2.3	2.8	4.2	5.7	5.1	5.5	6.1	6.5	6.6	5.4	5.3	5	5	3.8	3.4	2.6	3.2
3	3	3.2	4	3.9	3.3	4	4.5	4.6	5	5.1	5.5	5.4	5.5	4.9	5.3	5.8	5	5.6	4.1	4	3.4	1.8	3.7	3.6	4.3
4	1.8	3.8	5.5	5.3	7.2	6.8	6.6	6	6.5	7.4	5.9	5.1	5.8	7.2	6.6	6.7	6.3	4.6	5.8	6	6.2	6.8	6.4	8.1	6
5	8.8	6.9	6	6.4	8.7	9	8.8	10.4	12.5	12.3	12.6	12.4	12.7	10.4	10.1	11.1	10.4	10.9	10.3	10.6	9.5	10	9	10.3	10
6	9.4	8.1	7.2	6.4	6.9	7.3	6.9	6.8	7.1	8.2	8	8.4	7.4	7.4	6.3	5.8	6.5	5.5	3.9	3.8	3.3	3.7	4.3	3.3	6.3
7	2.6	2	1.8	2.3	2.1	0.9	1.7	2.3	1.4	2.1	2.3	3.2	2.7	2.9	2.5	3.4	1.9	1.2	1.3	2.1	2.8	2.9	2.7	2.3	2.2
8	2.3	2	1.7	1.6	2.9	2.9	3	3.2	3.9	4.8	4.5	5.4	5.8	6.9	4.6	4.8	4.4	3.8	3.3	3.4	3	5.1	6.1	4.6	3.9
9	4.2	2.5	2.7	2.8	2.7	2.2	2.2	1.9	2.3	2.2	1.8	2.4	3.4	4	4.2	3.9	2.4	1.3	2.1	1.7	0.4	0.6	1.3	2	2.4
10	2.7	2.6	2.4	2.6	2	2.3	2	2.4	2.6	3	3.8	4.1	4.3	4.8	3.9	3.5	2.8	0.7	1.9	1.5	1.1	0	0.6	0.8	2.4
11	0.6	3.7	5	5.3	5.7	5.3	4	3.3	4.5	6.2	5.3	4.6	3.8	3.2	3.3	2.5	2	2.4	2.6	2	1.3	1.8	1.6	1.8	3.4
12	2.3	2	2.1	2.1	1.9	2.2	2	1.9	2.4	3.4	4.2	4.4	4.5	4.1	3.8	4.6	4.5	3	2.4	2.1	3.1	3.5	3.9	3.1	3
13	2.9	2.2	1.9	2.4	2.6	4.4	4	4.8	6.7	5.7	7.8	5.2	7	5.2	6.5	10.2	3.5	4.1	3.5	1.8	2.5	2	2.2	0.8	4.2
14	0.8	0.3	0	0.3	0.1	0.2	2.2	0.8	0.7	1.4	0.9	3	4.1	2.6	1.4	1.4	2.7	1.2	3.1	3.2	3.2	3.5	4.6	4.2	1.9
15	4.9	5.6	5.4	6.5	5.3	5.6	5	3.1	6.1	5	6	7.9	8.9	9.5	8.8	7.6	6.1	5.9	6	7.6	11.9	7	6.8	7.6	6.7
16	5.9	7.5	8.5	7.8	7.1	6.6	6	6.8	7.2	8	7.9	8.1	8.5	9.1	8.4	7.9	6.8	4.1	2	1.8	2.5	2	1.3	2.7	6
17	2.2	2.3	2.9	2.1	2	2.3	2.1	2.7	3.7	3.4	2	3	3.3	4.3	3.6	3.3	2.4	1.5	1.2	1.2	1.9	2.3	3.5	3.7	2.6
18	4.3	4.6	3.2	2.3	2.8	3	3.7	4.8	6.6	7.6	8.1	10.1	9.7	9.8	9.6	9.1	8.3	5.8	6.9	6.6	8	8.8	6.9	7.8	6.6
19	6.6	6.6	7.2	5.8	6.1	4.7	5.1	6.5	7.7	7.6	8.3	8	8	7.6	6.5	5.5	3.9	2.5	1.2	0.6	1.7	2	1.3	2.5	5.1
20	3.3	3.7	3.4	2.8	2.1	3	3.4	3.3	4.8	5.9	5.5	6.2	6.5	6.7	6.6	5.7	4.1	2.1	1.3	0.9	0.7	0.4	1	2.4	3.6
21	2.8	3.3	2.4	4.1	6.3	6.6	4.3	4.3	4.4	0.6	2.5	5.8	7.9	7.2	7.2	9.3	6.8	6	7.2	8.6	8.5	7	6	5.2	5.6
22	5.6	4.5	4	4.1	4	3.9	3.5	3.7	5	6.7	7.3	7.3	7.4	7.1	5.8	5.1	2.8	1.4	0.8	1.1	0.2	0.8	0.9	0.8	3.9
23	0.8	0.8	1	1.6	1.4	1.6	0.4	0.7	1	2.5	2.2	2.2	2.5	2.8	2.4	3.4	2.5	1.6	2.5	2.6	2.4	2.5	2.3	1.9	1.9
24	1.6	1.7	0.8	0.5	0	0.3	0.4	1.5	2.2	2.7	3.7	3.8	4.3	4.3	5.6	4.1	3	2.7	3.7	4.6	4.3	3.8	4	3.4	2.8
25	2.6	1.7	1.6	3.4	2.7	4.2	4.3	5.2	7.2	8.5	7.5	8.3	8.5	9.3	9.8	8.6	6.3	6.5	5.9	5	4.5	4.4	4.8	4.7	5.6
26	4	4.2	3.8	4.1	3.6	3.1	2.8	3.1	4.2	5.5	5	4.1	4.5	5.4	5	4	2.7	1.9	1.2	2.3	1.3	0.9	0.5	0.3	3.2
27	0.3	0.1	0.4	0.3	1.6	1.7	1.6	1.7	1.3	3.1	2.6	2.5	3.7	4.2	4.3	3.7	1.8	1.1	1.8	1.9	1.8	1.6	1.5	1.7	1.9
28	1.6	2	1.9	2	2.4	2.8	2.4	2.4	4	4.8	4.1	4.8	6	5.6	4.8	4.4	2	1.6	1.4	1.4	0.7	0.6	0.4	0.5	2.7
29	1	1.2	2	4.5	5.6	5.5	5	4.9	5.7	7.7	6.6	6.4	5.8	4.3	3.1	3.5	4.2	4.2	4.3	5	4.8	5.6	5.6	5.4	4.7
30	4.7	4.6	3.9	3	0.7	0	0.3	0.6	1.2	1.3	2.1	3.2	2.8	3.3	3.8	3.7	3.4	3.4	3.7	4.7	5.9	6.6	7.9	7.8	3.4
Avg	3.2	3.2	3.2	3.3	3.4	3.5	3.3	3.5	4.4	4.9	5	5.5	5.8	5.8	5.4	5.4	4.3	3.5	3.4	3.5	3.5	3.4	3.5	3.5	4.1
SD	2.3	2.1	2.2	2	2.4	2.3	2.1	2.2	2.6	2.7	2.6	2.5	2.4	2.3	2.3	2.5	2.2	2.3	2.3	2.5	2.9	2.7	2.5	2.6	1.9
S/A	0.71	0.67	0.68	0.62	0.7	0.67	0.62	0.63	0.59	0.55	0.53	0.45	0.41	0.4	0.42	0.45	0.51	0.66	0.67	0.72	0.83	0.79	0.71	0.74	0.47
Min	0.3	0.1	0	0	0	0	0	0.4	0.7	0.6	0.9	2.2	2.5	2.6	1.4	1.4	1.8	0.7	0.8	0.6	0.2	0	0	0.3	1.9
Max	9.4	8.1	8.5	7.8	8.7	9	8.8	10.4	12.5	12.3	12.6	12.4	12.7	10.4	10.1	11.1	10.4	10.9	10.3	10.6	11.9	10	9	10.3	10
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% untested; 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
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

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

Avg	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1016	1015	1015	1014	1014	1015	1015	1015	1015	1016	1016	1016	1015	1016
SD	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	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	1002	1002	1002	1003	1003	1003	1002	1002	1001	1001	1001	1000	999	998	997	996	995	995	995	995	996	995	995	996	999
Max	1030	1030	1030	1030	1030	1031	1032	1032	1032	1033	1032	1031	1030	1030	1029	1029	1030	1031	1031	1031	1031	1031	1031	1030	1031
n	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% untested; 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.

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

November 2008

Battery Voltage (CR10)
Hourly and Daily Averages
Instrument: CSI
Volts DC

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	12.8	12.7	12.7	12.7	12.7	12.6	12.9	13.7	13.6	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13
2	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.7	13.6	13.4	13.3	13.2	13.2	13.2	13.2	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
3	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.4	13.4	13.4	13.4	13.4	13.1	12.9	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
4	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.3	13.2	13.2	13.3	13.3	13.2	13	12.9	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
5	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.2	13.2	13.4	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.8
6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.9	13.4	13.3	13.3	13.3	13.3	13	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.8
7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13	13.3	13.4	13.3	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
8	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.4	13.4	13.3	13.3	13.2	13.2	13.3	13.3	13.3	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
9	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.7	13.6	13.4	13.3	13.3	13.2	13.3	13.3	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
10	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.9	13.7	13.5	13.4	13.4	13.3	13.4	13.4	13.4	13.3	12.9	12.9	12.8	12.8	12.8	12.7	12.7	13
11	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.8	13.7	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13.1
12	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.1	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.8	13.1	13.2	13	12.8	12.7	12.7	12.7	12.9	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.8
14	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.1	13	12.8	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7
15	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.2	13.2	13.2	13.2	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.8
16	12.7	12.6	12.6	12.6	12.6	12.6	12.5	13.7	13.6	13.6	13.5	13.4	13.4	13.4	13.5	13.5	13.3	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13
17	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.9	13.8	13.7	13.6	13.4	13.5	13.5	13.6	13.5	13	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13.1
18	12.7	12.7	12.7	12.7	12.7	12.6	12.7	14	13.9	13.8	13.7	13.6	13.7	13.7	13.7	13.7	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13.1
19	12.7	12.7	12.7	12.7	12.6	12.6	12.6	14	13.9	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.5	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13.2
20	12.8	12.8	12.7	12.7	12.7	12.7	12.6	13.8	13.8	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13.1
21	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.4	13.9	13.8	13.7	13.7	13.5	13.1	12.9	12.9	12.8	12.8	12.8	12.7	12.7	13
22	12.6	12.6	12.6	12.5	12.5	12.5	12.6	14.1	14	13.9	13.8	13.7	13.7	13.7	13.7	13.7	13.1	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13.1
23	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.4	13.9	13.7	13.6	13.5	13.5	13.5	13.5	13.6	13.4	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13.1
24	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.9	13.9	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.1	12.9	12.9	12.9	12.9	12.8	12.8	12.8	13.1
25	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.8	13.5	13.6	13.6	13.5	13.5	13.5	13.5	13.6	13.3	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13.1
26	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.8	13.8	13.7	13.6	13.5	13.5	13.5	13.6	13.6	13.4	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13.1
27	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.7	13.8	13.7	13.6	13.5	13.4	13.4	13.5	13.5	13.3	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13.1
28	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13	13.7	13.6	13.5	13.4	13.4	13.4	13.5	13.3	13	12.9	12.9	12.9	12.8	12.8	12.8	13
29	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.8	13.5	13.7	13.5	13.4	13.4	13.2	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
30	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13	12.9	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7
Avg	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.3	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
S D	0.1	0.1	0	0	0	0	0.1	0.6	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
S/A	0	0	0	0	0	0	0.01	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0	0	0	0	0.01
Min	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7
Max	12.8	12.8	12.8	12.7	12.7	12.7	12.9	14.1	14	13.9	13.8	13.9	13.8	13.7	13.7	13.7	13.5	13	12.9	12.9	12.9	12.8	12.8	12.8	13.2
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% untested; 0.0% failed QC -- 8640 total measurements.

Instrument: CSI Serial Number: Battery 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.