

**June 2011**

**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	5	54	222	305	540	762	872	945	937	874	788	619	417	215	58	6	0	0	0	0	7621
2	0	0	0	0	5	60	223	423	617	786	907	980	980	912	790	635	452	246	67	1	0	0	0	0	8085
3	0	0	0	0	4	72	215	399	597	691	797	849	869	933	848	672	464	247	64	3	0	0	0	0	7725
4	0	0	0	0	5	69	238	432	620	797	882	876	836	894	772	628	396	237	43	6	0	0	0	0	7730
5	0	0	0	0	2	14	?	?	53 ?	133	173	390	608	499	319	315	262	186	35	3	0	0	0	0	2991 ?
6	0	0	0	0	4	39	225	399	327	576	577	521	422	353	738	639	418	186	69	7	0	0	0	0	5501
7	0	0	0	0	6	71	247	438	578	753	812	893	653	799	788	608	342	184	75	9	0	0	0	0	7256
8	0	0	0	0	9	72	230	400	571	756	882	941	940	895	614	583	342	224	61	5	0	0	0	0	7524
9	0	0	0	0	6	57	211	403	599	761	883	948	909	866	771	621	426	223	65	5	0	0	0	0	7756
10	0	0	0	0	3	57	205	403	599	762	877	945	861	692	576	373	324	161	0 ?	0	0	0	0	0	6838
11	0	0	0	0	5	62	204	418	604	777	828	887	950	820	767	587	364	161	63	2	0	0	0	0	7499
12	0	0	0	0	5	60	210	410	586	745	624	910	947	885	662	367	358	163	37	2	0	0	0	0	6969
13	0	0	0	0	2	50	186	350	573	681	754	961	791	558	609	500	230	164	43	6	0	0	0	0	6458
14	0	0	0	0	5	65	204	433	636	799	902	1009	803	774	450	424	290	203	98	3	0	0	0	0	7096
15	0	0	0	0	4	70	246	441	654	543	830	884	800	900	819	628	422	170	79	3	0	0	0	0	7492
16	0	0	0	0	2	39	211	287	412	687	787	786	520	447	369	497	320	244	53	17	0	0	0	0	5676
17	0	0	0	0	3	36	112	208	444	603	870	876	695	618	493	497	347	266	40	6	0	0	0	0	6115
18	0	0	0	0	1	31	156	329	442	703	892	933	847	864	591	592	310	188	31	2	0	0	0	0	6812
19	0	0	0	0	4	37	197	339	546	709	771	753	798	759	454	530	282	179	88	11	0	0	0	0	6458
20	0	0	0	0	3	29	167	372	607	667	555	591	277	169	677	586	429	220	62	15	0	0	0	0	5424
21	0	0	0	0	4	40	95	162	493	720	843	915	941	891	780	606	442	251	92	11	0	0	0	0	7286
22	0	0	0	0	3	45	199	332	528	426	337	496	584	904	761	606	416	198	50	6	0	0	0	0	5892
23	0	0	0	0	4	41	128	285	516	485	739	647	666	740	773	595	337	162	21 ?	11	0	0	0	0	6151
24	0	0	0	0	2	30	100	245	393	502	648	781	788	732	653	562	251	184	107	9	0	0	0	0	5986
25	0	0	0	0	3	58	189	355	578	754	759	729	750	689	538	486	388	165	62	12	0	0	0	0	6516
26	0	0	0	0	5	49	212	388	584	745	837	503	726	712	517	329	266	177	83	15	0	0	0	0	6148
27	0	0	0	0	1	12	116	260	449	702	767	660	550	525	394	240 ?	92	?	25	10	0	0	0	0	4803
28	0	0	0	0	3	28	143	179	313	550	871	948	963	913	788	589	155	253	58	6	0	0	0	0	6761
29	0	0	0	0	2	15	65	61	102	330	309	703	866	865	581	423	134	98	66	20	0	0	0	0	4641
30	0	0	0	0	4	62	217	410	611	769	895	981	1010	938	817	186	387	257	83	8	0	0	0	0	7633
Avg	0	0	0	0	4	48	185	340	506	656	749	808	776	747	650	517	335	197	59	7	0	0	0	0	6561
S/D	0	0	0	0	2	18	50	96	147	155	189	171	178	193	152	129	95	45	24	5	0	0	0	0	1131
S/A	0	0	0	0	0.44	0.38	0.27	0.28	0.29	0.24	0.25	0.21	0.23	0.26	0.23	0.25	0.28	0.23	0.4	0.69	0	0	0	0	0.17
Min	0	0	0	0	1	12	65	61	53	133	173	390	277	169	319	186	92	88	0	0	0	0	0	0	2991
Max	0	0	0	0	9	72	247	441	654	799	907	1009	1010	938	848	672	464	266	107	20	0	0	0	0	8085
n	0	0	0	0	82	359	348	348	350	360	360	360	360	359	360	357	358	348	352	111	0	0	0	0	5173

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.1% exceed the 15% QC threshold -- 5233 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 31392F3    Calibration Factor: 7.3961  $\mu\text{V}/\text{W}/\text{m}^2$     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.

June 2011

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	*	
2	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
3	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
4	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
5	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
6	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
7	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
8	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
9	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
10	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
11	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
12	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
13	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
14	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
15	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
16	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
17	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
18	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
19	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
20	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
21	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
22	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
23	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
24	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
25	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
26	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
27	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
28	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
29	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
30	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	
Avg	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	N/A	*
SD	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
S/A	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
Min	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	N/A	0
Max	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	N/A	0
n	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

Daylight Data Recovery: 99.8% missing; 0.0% untested; 0.2% exceed the 15% QC threshold -- 5233 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.

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

**June 2011**

**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	4	40	111	169	218	175	195	210	201	213	173	163	142	103	45	6	0	0	0	0	2169
2	0	0	0	0	5	37	79	100	116	128	134	134	134	147	143	116	81	60	27	1	0	0	0	0	1443
3	0	0	0	0	5 ?	43	116	183	184	325	387	353	327	183	97	90	103	86	33	3	0	0	0	0	2517
4	0	0	0	0	6 ?	32	71	99	129	138	208	312	374	192	176	140	147	115	40	6	0	0	0	0	2188
5	0	0	0	0	3 ?	13	?	?	44 ?	133	173	380	493	452	318	308	221	128	35	2	0	0	0	0	2703 ?
6	0	0	0	0	4 ?	35	117	167	263	267	277	306	285	276	263	150	144	101	43	7	0	0	0	0	2705
7	0	0	0	0	7 ?	39	88	111	194	220	228	288	286	347	240	240	234	168	68	9	0	0	0	0	2770
8	0	0	0	0	10 ?	56	133	169	198	199	206	227	299	268	274	249	186	112	43	5	0	0	0	0	2633
9	0	0	0	0	7 ?	40	97	136	160	183	196	214	261	242	195	158	140	108	47	5	0	0	0	0	2188
10	0	0	0	0	3	43	107	153	181	197	214	231	259	321	300	255	203	125	0 ?	0	0	0	0	0	2591
11	0	0	0	0	7 ?	42	93	131	213	212	259	297	194	259	227	237	197	136	49	2	0	0	0	0	2554
12	0	0	0	0	7 ?	38	92	127	280	367	465	324	270	226	271	254	215	110	34	1	0	0	0	0	3082
13	0	0	0	0	2	43	92	163	258	437	479	323	502	473	433	334	218	147	42	5	0	0	0	0	3951
14	0	0	0	0	7 ?	35	91	125	105	110	129	175	252	302	295	249	204	117	51	3	0	0	0	0	2251
15	0	0	0	0	5 ?	34	70	79	109	221	229	220	231	198	140	127	124	120	57	3	0	0	0	0	1965
16	0	0	0	0	2	35	154	235	323	312	409	390	373	369	318	344	246	175	52	17	0	0	0	0	3753
17	0	0	0	0	3 ?	34	99	188	244	350	242	350	432	424	375	286	197	132	31	6	0	0	0	0	3394
18	0	0	0	0	1	31	91	225	355	238	209	275	266	326	354	287	224	88	31	2	0	0	0	0	3003
19	0	0	0	0	5 ?	33	94	194	194	224	238	325	337	367	321	326	207	158	73	11	0	0	0	0	3107
20	0	0	0	0	3 ?	25	121	113	136	276	319	373	275	169	234	177	208	111	49	15	0	0	0	0	2606
21	0	0	0	0	5 ?	40	95	162	293	267	277	288	274	264	234	198	178	124	70	11	0	0	0	0	2779
22	0	0	0	0	2	38	106	213	293	401	333	472	440	260	216	195	180	135	47	6	0	0	0	0	3337
23	0	0	0	0	5 ?	41	118	241	310	338	453	511	529	382	186	244	136	111	20	10	0	0	0	0	3635
24	0	0	0	0	2	30	100	233	351	409	441	461	475	436	339	286	180	134	72	9	0	0	0	0	3957
25	0	0	0	0	3	36	119	189	188	241	318	388	430	420	390	323	227	121	53	11	0	0	0	0	3458
26	0	0	0	0	5	44	102	160	189	224	326	357	442	396	360	275	225	166	75	15	0	0	0	0	3360
27	0	0	0	0	1	12	105	217	269	284	339	390	391	403	328	136	85	18	25	10	0	0	0	0	3013
28	0	0	0	0	2	27	127	171	284	317	188	209	177	156	202	209	139	172	50	6	0	0	0	0	2437
29	0	0	0	0	2	15	65	61	102	317	309	469	366	312	369	304	134	98	62	20	0	0	0	0	3005
30	0	0	0	0	4 ?	30	65	86	105	137	173	185	219	180	249	177	145	93	45	8	0	0	0	0	1901
Avg	0	0	0	0	4	35	101	158	210	255	279	315	326	299	267	228	176	119	46	7	0	0	0	0	2815
S D	0	0	0	0	2	9	21	50	82	89	100	96	106	97	83	72	46	33	17	5	0	0	0	0	620
S/A	0	0	0	0	0.52	0.27	0.2	0.31	0.39	0.35	0.36	0.3	0.32	0.33	0.31	0.32	0.26	0.28	0.37	0.7	0	0	0	0	0.22
Min	0	0	0	0	1	12	65	61	44	110	129	134	147	97	90	81	18	0	0	0	0	0	0	0	1443
Max	0	0	0	0	10	56	154	241	355	437	479	511	529	473	433	344	246	175	75	20	0	0	0	0	3957
n	0	0	0	0	65	360	348	348	356	360	360	360	360	360	360	358	359	358	353	111	0	0	0	0	5176

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.1% exceed the 15% QC threshold -- 5233 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31393F3 Calibration Factor: 7.6820  $\mu\text{V}/\text{W}/\text{m}^2$  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**

**June 2011**

**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	24	23.2	23	22.5	22	22.2	23.7	25	26.6	28.5	30.1	30.9	31.9	30.8	30.8	31	31	30.1	28.7	27.3	26.6	26	25.7	25.5	27	
2	25	24.5	24.5	24.4	23.9	23.5	24.4	26.6	29	30.5	31.4	31.9	33.3	32.5	32.5	32.8	33.4	33.7	32.4	28.3	26.4	24.7	23.5	23.1	28.2	
3	23.2	23.2	22.8	22	21	20.6	21	22.2	23.6	23.9	24.1	25	24.8	25.5	25.9	26.3	26.9	26.4	23.3	21.5	20.5	18.9	17.8	17.4	22.8	
4	16.9	16.3	15.5	15.6	15	15.3	17.3	20.2	23.2	24.3	25.6	26.6	27.2	28.2	28.7	28.8	28.9	29	27.3	25.3	24.4	23.6	22.7	22	22.8	
5	21.3	21.3	21	21	20.9	21.3	21.1	20.7	20	20.3	21.2	22.1	23	24	24.2	24.8	25.3	25.4	24.4	24.4	23.4	23.1	22.9	22.3	21.5	22.4
6	20.8	21	21	20.8	20.6	20.3	22.3	24.2	24.2	25.4	26.3	26.6	26.5	23.8	23.9	25.4	25.6	25.3	24.6	23.6	22.9	22.4	21.2	20.8	23.3	
7	20.5	20	19.7	19.2	19.2	19.3	20.9	23.3	24.8	26.5	27.9	28.4	28.2	28.7	29.5	29.6	29.1	27.5	26.6	25.4	24.6	24.1	23.8	23.7	24.6	
8	23.5	23.3	23.2	23	22.7	22.7	23.7	25.1	26.3	28	29.9	31.4	32.5	33	33.2	34	33.8	33.1	32	30	28.7	27.9	27	26.3	28.1	
9	25.6	25	24.6	24.1	23.6	23.5	24.2	25.5	27.3	29.1	31.1	33.1	34.4	34.3	34.5	34.9	34.6	33.6	32.4	30.4	28.9	28	27	26	29	
10	25.2	24.5	24	23.5	23.1	23.1	24.1	25.5	26.8	28.6	29.9	30.9	32.1	32.8	33.2	32.7	32.4	29.7	25.7	21.7	21.2	21.8	22	22.3	26.5	
11	22.3	22	21.8	21.7	21.6	22	22.9	23.9	24.8	25.9	27.1	28.3	29.5	30.3	31.2	31.5	31.3	30.1	28.8	27.4	26.6	25.8	22.8	21.4	25.9	
12	21.3	21.5	21.9	22.2	22.3	22.2	23.3	24.5	25.7	26.9	27.5	29	30.4	31.3	32	31.5	31.7	31	29.7	28.2	27	23.8	23.4	23.5	26.3	
13	23.5	23	22.2	21.6	21.5	21.8	22.1	23.6	25	26.3	26.2	26.2	27.1	26.5	26.9	26.6	25.8	25.8	24.9	24.2	23.7	22.5	21.9	21.2	24.2	
14	19.7	18.9	18.2	17.7	17.4	17.6	19.1	21.4	23	23.9	25	25.3	25.8	26.1	26	25.7	25.4	24.6	24.4	22.8	21.1	19.8	18.9	18.1	21.9	
15	18.3	17.5	17.1	16.6	17.2	17.4	19.1	20.5	22.1	22.6	23.4	24.2	24.5	25.1	25.6	25.4	25.5	24.1	23.8	22.4	20.7	20.3	19.8	18.8	21.3	
16	17.4	17.6	17.7	18	18.6	18.9	21	22.7	23.9	24.6	25.6	26.5	27	27.2	27.1	27.1	26.6	26.1	25.3	24.8	24.6	24.3	24	23.9	23.3	
17	23.8	23.5	23.5	23.4	23.3	23.6	24.3	24.8	25.4	26.2	27.5	29.3	30.1	30.2	30.6	30.9	30.7	30.3	29.4	27.9	27	25.9	25.1	24.7	26.7	
18	24.2	23.9	24	24.1	24.2	24.1	24.9	27	28	29.4	30.9	32.2	33.1	33.8	33.9	34.2	33.4	31.1	29.2	28.2	27.5	26.5	26.3	26.4	28.3	
19	26	25.7	24.5	23.4	22.5	22.3	22.8	23.7	25.1	26.5	28.4	29.3	30.3	31.1	30.9	30.9	27.7	26.2	25.7	24.7	23.9	23.3	23	22.8	25.9	
20	22.6	22.8	22.5	22.1	21.9	22.1	23.3	24.5	25.6	26.7	26.9	26.2	23.5	21.1	21.6	22.7	22.5	22.5	22	20.9	19.9	18.8	18.3	18.1	22.5	
21	17.8	17.8	18.8	18.8	18.6	18.9	19.6	20.7	22.7	25.3	25.9	26.8	28.1	28.8	29.6	28.4	28.3	27.5	28.4	26.7	25.3	24.9	24.5	24.2	24	
22	23.7	23.6	23.9	23.9	23.8	23.5	24.2	26	27.2	28.1	28.5	29	29.2	30.6	32	32.5	32.2	31.1	30	29	28.2	27.7	27.6	27.1	27.6	
23	26.2	25.7	25.4	25.1	24.8	25	25.8	27.3	28.8	29.5	30.9	31.5	31.6	31.8	32.6	33.2	32.9	32.1	26.9	24	24	23.8	23.9	27.8		
24	23.9	23.7	23.9	23.8	23.3	23.3	23.6	24.4	25.4	26.6	27.4	28.4	29.3	29.8	30.8	31.1	30.9	30.7	30	28.8	28.2	27.6	27	26.6	27	
25	26.4	25.5	24.8	24.6	24.5	24.6	24.9	25.1	26.7	27.9	29	29.8	30.6	30.8	30.6	31.2	30.9	30.3	29.2	27.1	25.2	24.4	24.2	23.3	27.1	
26	22.5	22	21.2	20.5	20	20	22	24.8	27	28.3	29.2	29.2	29.6	30.1	31.1	30.5	29.7	28.4	27.5	26.1	25.7	26.3	26.6	26.2	26	
27	25.9	25.7	25.6	25.3	25.1	25.3	25.6	26.6	27.4	28.9	29.9	31	30.8	31.5	31.6	30.5	24.6	23.1	22.6	23	22.7	22.5	22.3	22	26.2	
28	22	22.7	22.8	22.8	22.9	23.5	24	24.8	26.1	26.9	29.5	31.1	32.6	33.9	34.6	34.5	31	26.2	27.3	27.5	27.3	27	25.5	22.4	27	
29	22	21.9	22.1	22.7	22.5	22.3	22.5	23.2	23.5	24.3	25.1	26.7	28.6	29.8	30.4	29.7	28.7	28.3	27.8	26.6	25.2	25	24.9	24.2	25.3	
30	23.9	23.2	22.8	22.2	21.7	22.3	23.9	25.2	26.5	27.7	28.3	28.7	29.3	29	29.3	27.7	27.7	27.4	26.4	25.1	24.5	24.1	24	23.8	25.6	
Avg	22.6	22.4	22.1	21.9	21.7	21.8	22.7	24.1	25.4	26.6	27.7	28.5	29.2	29.4	29.8	29.9	29.3	28.3	27.2	25.8	24.9	24.2	23.6	23	25.5	
S D	2.7	2.6	2.6	2.5	2.4	2.4	2.1	2	2.1	2.3	2.5	2.6	3	3.3	3.3	3.2	3.2	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.2	
S/A	0.12	0.12	0.12	0.12	0.11	0.11	0.09	0.08	0.08	0.09	0.09	0.09	0.1	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.11	0.11	0.11	0.08	
Min	16.9	16.3	15.5	15.6	15	15.3	17.3	20.2	20	20.3	21.2	22.1	23	21.1	21.6	22.7	22.5	22.5	22	20.9	19.9	18.8	17.8	17.4	21.3	
Max	26.4	25.7	25.6	25.3	25.1	25.3	25.8	27.3	29	30.5	31.4	33.1	34.4	34.3	34.6	34.9	34.6	33.7	32.4	30.4	28.9	28	27.6	27.1	29	
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.

Prepared by: Afshin M. Andreas, NREL

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

**June 2011**

**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	100.1	103.6 ?	?	?	?	?	?	102.5	95.8	88.5	77.9	74.6	70.6	80.8	79.9	71.1	63	75.2	92.3	97.2	100.3	102.5	102.6	101.9	88.4 ?	
2	100.7	100.6	99.6	99	101.9	104.5	102.4	94.6	79.1	64	57.9	54	47.6	53.7	56.4	56.7	47.9	37.4	40	81.5	90	96.2	96.7	95	77.4	
3	96.7	86.3	79	81.1	82.9	80.6	84	81.4	72.3	71.3	64.9	62.3	67.9	60.2	53	52.2	44.4	44.9	67.8	76.7	80.2	88.3	91.8	91.9	73.4	
4	94.4	97.1	100.4	97.6	98.8	100.3	94.2	81.1	64	51.1	45.7	42.5	41.9	43.4	45.2	45.6	46.3	45.3	54.7	66.8	63	68	73.2	79	68.3	
5	85.1	91.9	95.9	98.9	102	102.3	102.9	101.8	?	?	104.4	102	98.2	94.9	94.9	90.9	86	80.9	93.5	100.2	100.5	98.8	100.9	104 ?	96.9 ?	
6	?	?	?	?	104.8 ?	?	98.1 ?	90.9	90.5	82.8	78.9	79	78.2	90.8	92.5	83.7	84	85.1	87.5	92.5	95	97.1	101.4	103.2	90.3 ?	
7	104.5	?	?	?	?	?	104.3 ?	99.8	92.5	77.4	66.2	63.6	71.9	67.4	59	56.7	63.5	79.8	83.2	90.8	95.4	97.2	99.1	98.7	82.7 ?	
8	99.7	101.5	102.8	104.1	104.9 ?	104.8 ?	102.6	97.8	93.3	87.7	80.6	74.6	72.3	67.5	66.2	64.3	64.1	67.2	74.2	84.8	92.5	95.8	98.4	99.6	87.5	
9	101.5	104	104.7	104.9	104.4	102.5	99.4	95	88.7	83	76.4	68.8	64.6	64.7	60.5	55.9	60.7	68.1	75.4	82.5	90.3	92.6	92.3	95.4	84.8	
10	97.9	100.1	101.6	101.6	100.4	99.5	97.1	90.4	87.4	83.1	80	76.2	70.9	67.8	64.5	66.2	69.5	77.1	89.8	100.7 ?	?	104.2 ?	?	?	87 ?	
11	104.6 ?	104.7 ?	?	?	104.9 ?	104.7	102.9	98.6	96.5	92.7	88.7	83.9	76.3	72.5	66.9	66.3	68.5	73.1	80	85.4	87.5	93.2	100.4	?	88.2 ?	
12	?	?	?	?	104.9	104.9 ?	102.7	99.1	95.1	90.9	89.6	81.3	72.1	64.8	65.8	69.5	70.7	72.1	84.7	91.7	93.8	104	?	101.3	87.3 ?	
13	97.7	100.2	103.1	104.1 ?	104.4	103.1	103	99.2	96	78.9	80.5	80.7	74.3	72.6	69.1	73.3	74.8	72.6	73.6	73.1	78.1	90.1	90.1	93	86.9	
14	99.1	102.8	104.4	103.8	103.4	102.8	96.8	85.5	73.3	67	62.8	60.3	58	56.2	57.1	60	66.1	62.4	60.3	66.6	75.7	84	88.4	92.2	78.7	
15	93.8	96.6	98.4	100.6	98.8	99.6	97.8	92.2	82.7	82	73.5	66.5	65.7	63.7	58.9	58.1	56.2	58.1	58.1	64.1	73.8	80.6	83.4	88	78.8	
16	91.7	89.1	92.1	97.2	94.6	87.3	81	78.2	72.5	70.8	70.5	71	69.5	68.8	70.3	71.6	77.3	81.6	86.4	89	88.8	89.8	93.2	95.4	82.4	
17	96.7	99.5	100.2	101.2	103.3	104	102.5	101.1	97.7	93.8	86.7	75.5	67.2	65.4	56.3	51.6	57.1	61.3	60.6	66.5	71.7	81.6	92.6	93.9	82.8	
18	101.8 ?	?	?	104.6 ?	104.5 ?	?	102.3 ?	93.4	87.1	77.4	69.9	64.5	61.4	59	55.7	55.1	61.3	75.2	83.2	90.7	91	95.2	95	97.2	82.2 ?	
19	95.7	92.4	92.7	92.3	95.8	97.5	96.5	93.8	89.5	85.2	76.7	72.4	68.8	65.4	67.7	68.8	85	92.3	96.3	100	102.2	102.8	103.3	103.3	89	
20	103.6	103.2	?	?	?	?	?	100.9	93.3	88.4	85.5	84.9	95.9	101.9	93.6	87.7	89.4	89.3	88.5	88.9	93.7	98.1	99.8	101.1	94.1 ?	
21	101.2	102.1	100.6	100.6	102.7	101.8	99.3	96.4	90	69.7	76.4	69.2	65.2	67.2	68.5	74.6	77.5	83.4	82.9	87.4	92.7	96.8	99.8	102.5	87.9	
22	104.3 ?	?	?	?	?	?	103.1 ?	94.6	85.4	80.1	79.2	77.1	73.9	71	67.2	66.6	69.3	76.1	81.8	83.3	93	97	91.2	83.2	83 ?	
23	86.9	90.3	96.5	100.9	103.8	104.3	100.9	93.8	83.6	81.6	75.4	71.4	73	70.4	67	66.1	66.4	70.1	90.9	98.6	100.5	101.3	102.1	101.2	87.4	
24	101.8	101.1	100.1	100.1	102	102.5	102.6	100.9	98.3	95.1	92.9	87.7	83.8	80.2	73.6	70.4	68.5	70.3	79.5	82.5	89.5	98.2	101	102	91	
25	101.1	101.4	100.2	101.7	104.8 ?	104.5 ?	104.1	100.8	93.3	88.3	82.8	76.7	70.6	73.3	75.1	61.4	62.5	64.6	66.6	81.8	93.2	94.6	85.6	84.3	86.4	
26	86	87.7	91.3	95.1	97.6	97.3	92.3	83	76.8	69.2	64.5	64.1	64.9	60.8	57.9	67	69.9	76.7	84.2	92.6	99.9	100.7	95.8	99.9	82.3	
27	103.4	103.4	104.1	?	?	?	104.2	97.8	92.4	85.5	82.7	78.9	82.2	78.4	77.5	82.6	102	103.8 ?	104.2	104.9 ?	?	?	?	?	93.4 ?	
28	?	?	?	?	?	?	?	?	?	102.8	100.3	90.8	87.8	77.2	65.2	63.1	64.2	84.8	96.7	93.8	94.8	91.7	95.5	93.9	104.8 ?	88 ?
29	?	?	?	105 ?	?	?	?	?	104.7 ?	102.8	100	95.7	86.9	79.4	75.7	75.4	79.3	85.3	87.9	93.7	95.1	104.1	103.6	102.3	104.3	93.4 ?
30	104.2 ?	?	?	?	?	104.7 ?	100.2	93.5	87.8	82.9	76.7	74.9	71.9	73.8	73.5	80	81.1	82.1	82.9	91.5	98.2	99.4	100.4	102.8	88.1 ?	
Avg	98.2	98.2	98.3	99.7	101.2	100.6	99.1	94.6	88.3	81.7	77.8	73.8	71.2	69.9	67.7	67.3	70.1	73.7	79.7	86.7	90.2	94.7	95.3	97	85.6 ?	
S D	5.7	5.8	6.2	5.5	5.1	6.1	5.9	7	9.6	11.1	12	11.5	11.3	11.9	11.8	11.1	13.4	14.8	14.3	11.1	10.1	8.1	7	7	6.1	
S/A	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.07	0.11	0.14	0.15	0.16	0.16	0.17	0.17	0.16	0.19	0.2	0.18	0.13	0.11	0.09	0.07	0.07	0.07	
Min	85.1	86.3	79	81.1	82.9	80.6	81	78.2	64	51.1	45.7	42.5	41.9	43.4	45.2	45.6	44.4	37.4	40	64.1	63	68	73.2	79	68.3	
Max	104.6	104.7	104.7	105	104.9	104.9	104.3	104.7	102.8	100.3	104.4	102	98.2	101.9	94.9	90.9	102	103.8	104.2	104.9	104.1	104.2	103.3	104.8	96.9	
n	290	255	228	225	220	217	283	341	348	348	358	360	360	360	360	360	360	355	360	347	336	342	324	311	7653	

Data Recovery: 0.0% missing; 0.0% untested; 11.4% 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**

**June 2011**

**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	23.3	23	22.6	22.3	21.9	21.6	22.8	26.5	30	34	37.1	38.5	38.8	38.1	37.1	37.1	36.9	35.9	33.6	30.4	28	26.7	26	25.5	29.9
2	25.2	24.8	24.5	24.5	24.1	23.7	24.9	28.3	32.4	35.3	37.6	38.8	38.9	38.7	37.9	38.7	39.5	39	37.4	33.1	27.9	24.8	23	22	31
3	22	22	21.9	21.5	20.6	20	21.2	23.3	26	28.1	29.2	30.2	30.6	30.3	31	32	32.8	32	29.7	25	21.4	19	17	15.8	25.1
4	14.8	14	13.4	13.3	13.2	13.4	16.2	20.4	25	28.4	30.8	32.5	32.9	33.2	34	34.6	34.8	34.2	32.1	28.2	25.3	23.6	22.2	21.4	24.7
5	20.4	20.2	20.3	20.3	20.4	20.6	21.1	20.9	20.4	20	20.6	22.2	24.8	27.3	28.6	28.4	28.5	28.5	27.6	25.6	24.3	23.7	22.7	21.6	23.3
6	20.7	20	20	19.7	19.6	19.7	21.2	25.6	29	29.9	32.6	33.1	32.5	30.6	28.3	29.6	31	30.4	28.9	26.3	23.9	22.4	21.2	20	25.7
7	19.3	18.9	18.5	18.2	18	18.1	20.2	24.4	28.5	31.5	34.6	35.7	34.8	33.7	34.3	35.2	34.9	32.8	30.2	27.9	25.8	24.6	23.8	23.4	27
8	23.2	23	22.9	22.8	22.6	22.6	24	26.8	29.5	32.2	34.9	37	38	38.3	38.7	38.7	39.3	38.4	36.8	33.6	30.5	28.8	27.7	26.8	30.7
9	26	25.3	24.7	24.2	23.7	23.5	24.6	26.9	30.1	33.2	36.1	38.6	40	40.2	39.8	40	40.3	39.7	37.4	34.2	31.1	29.2	28	27	31.8
10	26	25.1	24.4	23.8	23.3	23	24.3	27.1	29.8	32.6	35.3	36.5	36.7	36.9	37.7	37.5	36.9	35.6	31.7	27	23.3	22	21.6	21.7	29.2
11	21.8	21.7	21.5	21.3	21.2	21.2	22.7	25.6	28.2	30.1	32.2	33.6	33.9	34	34.9	36.3	36.7	35.2	32.9	30.3	28.1	26.8	25.7	23.4	28.3
12	22	21.4	21.2	21.4	21.6	21.7	23.2	26.1	28.8	31.3	33.2	34.3	35.2	35.8	36.5	36.5	36.1	35.6	33.4	30.7	28.8	26.4	24.1	23.4	28.7
13	23.1	22.9	22.5	21.9	21.4	21.4	22.4	25.1	28	30.4	31.6	31.8	32.3	32.7	32.5	32.5	31.5	29.8	28.3	26.3	25	23.6	22.4	21.1	26.7
14	19.8	18.7	17.9	17.2	16.6	16.6	19	22.3	25.7	28.2	30.2	31.5	31.8	31.5	31.4	30.6	30.2	29.1	27.9	25.8	22.1	19.5	17.8	16.8	24.1
15	16.5	16.4	16.1	15.4	15.3	16	18.5	21.8	24.8	27.3	27.9	29.2	29.4	29.6	30.4	31.1	31	29.7	27.1	25	21.3	18.7	18	17.1	23.1
16	16.1	15.3	15.8	16.3	16.9	17.1	18.8	22.3	24.8	27.1	29.2	30.6	31.2	31.3	30.8	30.6	30.5	29.5	28.4	26.6	25.5	24.8	24.3	23.9	24.5
17	23.8	23.5	23.2	23.1	23	23.1	23.9	25.3	26.9	29.5	31.2	33.5	35	35.1	35.1	35.3	35.3	34.4	33.1	30	27.7	26.6	25.4	24.7	28.7
18	24.1	23.6	23.7	23.8	23.9	23.9	24.3	27.1	29.9	32.2	35	36.8	37.4	38	38.5	38.5	39	36.7	33.1	29.9	28.4	27.5	26.6	26.4	30.3
19	26.3	26.1	25.4	24.3	23.3	22.6	23.1	25.1	27.2	29.5	31.6	32.9	33.9	34.8	35.4	35.4	34.9	31.2	29.5	27.4	25.3	24	23.2	22.7	28.1
20	22.4	22.4	22.4	22.3	22.1	22	22.6	24.9	28.1	30.3	31.4	31	29.6	26.7	24.6	25.8	26.8	27.1	25.8	23.4	20.9	19	17.9	17.2	24.4
21	16.9	16.7	17.2	18.1	18.4	18.6	19.1	20.5	23.1	27.9	31.8	32.5	32.7	33.2	34.3	34.8	33.9	33	31.8	29.9	27.4	25.8	24.9	24.3	26.1
22	23.8	23.3	23.3	23.5	23.5	23.3	23.9	27.2	30.1	32.3	32.9	32.9	33.1	34	35.5	36.8	37	36.3	33.8	31.3	29.5	28.4	27.8	27.4	29.6
23	26.7	26.1	25.5	25.2	24.8	24.7	25.4	27.3	29.8	32.3	33.7	35.2	35.4	35.5	36.1	36.9	37.3	36	32.9	26.8	24.6	24.3	24.1	23.8	29.6
24	23.7	23.6	23.5	23.6	23.4	23.1	23.4	24.3	26.1	28.4	30.1	31.6	33	33.7	34.4	34.8	34.9	33.6	33.3	31.8	29.3	28.2	27.5	26.9	28.6
25	26.6	26.3	25.3	24.6	24.4	24.3	25.7	27.5	30.2	33.8	36.5	37.1	36.9	37.2	37.6	37.2	36	35	32.6	30	27	24.7	23.6	23	30.1
26	22.2	21.5	20.6	19.7	19.4	19.4	21.1	25.7	30.5	33.9	35.9	37	35.7	35.3	36.1	36.5	35.2	33.2	30.9	29	26.8	26	26.2	26.2	28.5
27	25.9	25.8	25.6	25.4	25.1	25.1	25.6	27.2	29	32.1	35.3	37.2	37.5	36.8	36.6	35.5	30.7	26	23.5	22.8	22.7	22.4	22.2	21.9	28.3
28	21.7	22	22.4	22.6	22.6	23	23.7	25	26.8	28.5	31.9	35.3	36.6	37	38	38.9	38	31.7	29	28.2	27.8	27.6	27.2	25.1	28.8
29	23.1	22.2	21.9	22	22.3	22.3	22.4	23	23.6	24.6	26.8	29.1	32.3	34.4	36.2	36.7	34.5	31.8	30.3	29	27.1	25.5	24.5	23.7	27.1
30	23.1	22.5	22	21.8	21.4	21.4	23	26.6	29.9	32.3	34.1	35.2	35.6	35.3	35.3	34.7	32	32.7	31.7	28.8	25.9	24.4	23.7	23.2	28.2
Avg	22.4	21.9	21.7	21.5	21.3	21.2	22.4	25	27.7	30.2	32.4	33.7	34.2	34.3	34.6	34.9	34.5	33.1	31.2	28.5	26.1	24.6	23.7	22.9	27.7
S D	3.2	3.2	3.1	3	3	2.8	2.3	2.2	2.7	3.1	3.5	3.6	3.3	3.3	3.5	3.4	3.4	3.4	3.3	2.9	2.8	2.9	3.1	3.1	2.4
S/A	0.14	0.15	0.14	0.14	0.14	0.13	0.1	0.09	0.1	0.1	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.11	0.12	0.13	0.14	0.09
Min	14.8	14	13.4	13.3	13.2	13.4	16.2	20.4	20.4	20	20.6	22.2	24.8	26.7	24.6	25.8	26.8	26	23.5	22.8	20.9	18.7	17	15.8	23.1
Max	26.7	26.3	25.6	25.4	25.1	25.1	25.7	28.3	32.4	35.3	37.6	38.8	40	40.2	39.8	40	40.3	39.7	37.4	34.2	31.1	29.2	28	27.4	31.8
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**

**June 2011**

**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	1.5	1.6	0.6	0.3	0.1	0.2	0.1	0.4	0.7	1	1.2	1.5	1.6	3.3	3	3.1	3.5	3.1	2.8	2.1	2.1	2.6	2.6	1.7	1.7
2	1.9	1.8	2.3	2.5	2.3	2	1.8	1.2	1.6	1.8	1.6	1.6	1.6	3.1	2.4	2	2.2	1.9	1.9	0.6	0.1	0.1	0.2	1.2	1.6
3	1.9	2	1.8	1.5	1.4	2.3	2.3	2.6	3.2	3	2.9	2.3	3	2.8	2.4	2	2.1	2.2	2.5	1.3	0.3	0.1	0.1	0.1	1.9
4	0.1	0.3	0.6	0.6	0.7	1.4	1.7	1.5	1.9	2	1.5	1.8	1.7	1.9	1.9	2.3	1.9	1.1	0.9	1	0.7	0.2	0	0	1.2
5	0.5	0.4	0.3	0.6	0.7	0.8	1.5	1.9	2.3	2.1	1.6	1.8	2.8	2.1	2.3	2.1	2.2	2.4	2.4	2.1	1.7	1	1	0.5	1.5
6	0.1	0	0	0.1	0.4	0.3	0.3	0.9	1.1	0.9	1	1.4	2.5	4.3	3.6	3.2	2.8	2.4	2.5	1.3	0.8	0.5	0.1	0	1.3
7	0	0	0	0	0	0	0.2	1	1.8	1.2	1.1	1.9	2.7	3.1	2.6	3.4	3.2	3.3	3.8	3.1	2.2	2	2.5	2.5	1.7
8	2.4	1.9	2.6	2.6	2.3	1.8	2.1	2.7	2.6	1.9	2	1.8	2.4	3.1	3.1	2.5	2.4	2.7	1.7	1.5	1.9	2	2.1	2.5	2.3
9	2.1	1.5	2	1.4	2.1	2.6	3.1	2.9	2.4	2	1.5	1.5	1.8	3.1	3.7	3.1	2.9	2.7	2	2.7	2.3	2.6	2.9	3	2.4
10	2.8	2	2	1.6	1.8	1.8	2	3	2.8	2.2	2.3	2.9	3	2.7	3.3	3.4	4.1	4	3.5	2.1	1.7	2.4	1.4	2.2	2.5
11	1.2	0.8	0.9	0.5	0.4	0.8	2.2	3	3.5	3	2.6	2.8	3.6	4	3.4	3	3.4	3.8	3.4	2.9	3.2	2.9	2.9	1	2.5
12	2	0.6	1	1.6	1.5	1	1.5	2.8	3.1	2.4	2.1	2.5	2.4	3	2.7	3.1	2.9	2.5	2.1	1.6	2.5	0.3	1.1	1.3	2
13	1.6	0.6	1.4	1	1.2	1.3	1.4	1.7	2.9	3.6	3.7	3.5	2.6	3	2.6	2.7	2.1	1.9	2.1	1.2	1.8	1.9	1	0.4	2
14	0.5	0.3	0.3	0.4	0.4	0.3	1	2.3	3	2.6	1.8	2.2	2.4	2.8	2.3	2.6	1.9	2.3	1.6	0.2	0.1	0	0.1	0.4	1.3
15	0.7	0.5	0.1	0.7	1.1	1.2	2.2	2.9	2.5	2.5	3.2	3	2.6	3	2.8	3	2.4	2.1	1	0.5	0.1	0.7	0.1	0.2	1.6
16	0.1	0.1	0.4	0.3	0.6	0.2	1.6	2.8	3	3.7	3.6	3.7	3.3	3.8	4.3	5.2	5.8	5.6	4.3	3.9	3.9	3.4	3.3	3.2	2.9
17	2.9	2.6	2.6	2.4	1.9	1.6	2.8	2.7	3.1	3.2	2.7	2.4	2.7	2.9	1.8	2.5	2.5	2.9	1.5	0.5	1.2	1.8	2.2	1.8	2.3
18	2.2	1.9	1.2	1.5	1.2	1.4	2	2.8	2.2	2.6	2.8	3.4	2.8	3.4	3.5	2.8	3.3	3.6	2.7	1.9	2.6	1.7	1.9	2.2	2.4
19	2.6	2.6	2.3	3.2	2.6	3.3	3.2	3.7	3.6	3.4	4	4	3.8	3.9	3.2	3.4	4.5	3	2.1	0.9	1.5	1.2	0.9	0.7	2.8
20	0.7	1.3	0.6	1.9	1.6	1.3	1.8	2.4	3.8	3.9	4.3	5.4	5.1	5.2	5.6	4.8	3.5	2.9	3.3	1.3	0	0.4	0.2	0.4	2.6
21	0.1	0	0.3	0.2	0	0.3	0	0.1	0.9	1.2	2.8	3.6	2.8	3	2.9	4.1	3.8	3.4	3.1	3.1	2.2	1.4	1.3	0.6	1.7
22	0.4	0.6	0.7	0.9	0.1	0.1	0.3	1.7	2	1.4	2.2	2.9	3.1	3.4	3.5	4.5	4.3	4.2	3.1	3.8	2.5	3.5	3.2	2.4	2.3
23	1.6	1.2	2.2	2	1.5	1.8	2.3	2.8	3.9	3.8	4.5	5.2	5	4.9	4.4	4.7	4.3	3.4	2.7	1.6	2.3	2.1	2.3	2.3	3
24	2.3	2	2.9	1.9	2.3	2.5	2.7	3	3.4	3.7	4	3.9	3.8	4.4	4	4.5	3.4	2.3	1.3	0.8	1.9	2.7	2.7	3.4	2.9
25	2.6	1	1.3	1.9	1.7	2.1	2	2.2	1.1	0.9	1.4	1.7	1.8	1.1	1.2	2.8	3.1	2.6	1.4	1.5	0.2	0.1	0.7	1	1.5
26	1.1	0.5	0.1	0.1	0.1	0.3	0.3	0.5	0.8	1.3	1.4	1.8	2.8	2.5	1.5	1.5	2.3	3.5	2.4	2.2	1.9	1.9	1.8	1	1.4
27	1.4	2.3	2.3	2.1	1.9	2.2	2	2.6	2.1	2	1.6	1.5	2.7	2.5	3	4.8	3.4	4.3	3.2	1.9	0.9	1.3	0.9	0	2.2
28	0.1	0.3	0.2	0.1	0.7	1.3	1.4	2	2.7	2.5	2.3	2.9	3.4	4.3	4.5	4.3	5.1	2.4	2.6	4	3.6	2.5	3.6	0.8	2.4
29	0.8	0.7	0.9	0.8	1	0.3	0.5	0.9	1.3	1.7	1.7	1.5	1.7	1.6	1.2	2.1	1.9	1.7	1.4	2	1.6	1	0.4	0.7	1.2
30	0.3	0	0.4	0.1	0.6	0.8	0.4	1.6	2.4	2.3	2.5	2.5	2.6	3	2.6	3	2.5	2.3	2	1.9	1.5	0.5	0.3	0.2	1.5

Avg	1.3	1	1.1	1.2	1.1	1.2	1.6	2.1	2.4	2.3	2.4	2.6	2.8	3.2	3	3.2	3.1	2.9	2.4	1.9	1.6	1.5	1.5	1.3	2
SD	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	1	1.1	0.9	0.9	1	1	1	0.9	0.8	1	1.1	1.1	1.1	1	0.6
S/A	0.74	0.81	0.8	0.78	0.69	0.7	0.59	0.44	0.38	0.4	0.42	0.41	0.31	0.29	0.33	0.3	0.32	0.32	0.35	0.55	0.64	0.71	0.79	0.83	0.27
Min	0	0	0	0	0	0	0	0.1	0.7	0.9	1	1.4	1.6	1.1	1.2	1.5	1.9	1.1	0.9	0.2	0	0	0	0	1.2
Max	2.9	2.6	2.9	3.2	2.6	3.3	3.2	3.7	3.9	3.9	4.5	5.4	5.1	5.2	5.6	5.2	5.8	5.6	4.3	4	3.9	3.5	3.6	3.4	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% 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**

**June 2011**

**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	84	100	91	55	329	23	54	228	293	5	37	27	90	133	153	145	141	141	149	153	172	186	188	200	142
2	211	220	231	243	257	269	273	294	1	43	14	307	275	128	129	115	344	316	309	51	53	301	304	4	280
3	16	29	35	18	359	354	355	1	27	25	18	15	52	38	36	22	342	335	79	126	140	234	242	258	22
4	274	268	278	274	280	277	273	269	313	323	323	353	325	344	343	352	347	327	264	186	237	239	0	188	313
5	193	200	178	146	157	175	278	345	12	352	327	313	322	334	341	349	355	352	29	21	63	59	58	1	354
6	50	100	0	46	17	347	65	103	229	206	200	104	140	81	88	87	92	115	109	105	115	145	205	142	104
7	184	191	206	0	237	0	224	251	255	239	197	140	108	121	153	157	134	112	138	158	167	168	180	183	154
8	186	193	190	191	195	195	205	225	220	222	205	219	177	165	158	186	183	163	180	175	181	184	190	192	190
9	192	197	197	203	218	230	230	242	236	238	230	252	180	171	168	180	173	152	164	181	179	188	190	191	197
10	193	196	198	223	224	221	232	232	219	196	194	220	220	197	188	169	160	156	353	302	222	218	196	210	205
11	200	216	197	211	192	197	195	219	222	221	217	206	192	172	176	180	168	165	169	177	175	227	338	301	195
12	137	141	191	202	211	216	194	220	221	233	228	171	203	209	196	179	193	188	164	162	278	353	231	247	202
13	255	282	293	225	251	286	322	338	9	14	358	353	341	336	338	333	338	334	311	315	343	21	34	6	338
14	295	280	284	285	290	272	297	316	319	328	332	316	288	303	318	341	343	339	341	311	297	231	253	307	319
15	329	294	265	287	308	315	347	360	10	340	328	332	331	327	340	345	15	41	46	55	58	76	125	231	346
16	221	174	219	142	175	144	136	130	134	137	139	149	170	140	145	139	141	148	147	140	149	150	158	162	146
17	164	167	176	179	175	187	197	202	220	249	242	257	265	258	271	258	254	241	250	224	198	196	195	198	219
18	195	196	200	191	194	192	189	219	249	248	259	233	227	238	229	231	157	158	163	173	186	195	190	203	207
19	232	250	235	227	228	229	232	248	254	261	267	275	280	288	293	304	345	358	27	42	41	62	51	137	273
20	129	143	159	144	123	147	177	215	253	264	275	282	294	327	345	347	334	337	355	345	179	244	300	284	302
21	287	350	11	252	29	270	313	220	154	117	65	102	160	164	144	119	117	102	155	168	181	183	172	174	137
22	141	177	193	199	203	201	208	214	218	241	226	211	190	195	210	177	185	177	179	189	186	189	207	214	196
23	199	202	197	200	194	195	194	207	224	211	222	226	229	235	223	220	230	241	230	168	185	201	194	196	215
24	194	211	228	217	200	194	194	200	216	219	221	210	214	211	204	207	234	246	263	202	182	188	186	188	209
25	214	251	192	196	207	242	272	272	285	226	242	211	257	19	114	238	241	244	265	305	314	269	268	280	243
26	292	291	305	327	208	226	276	285	28	57	69	92	72	58	69	84	102	98	78	71	93	138	160	159	87
27	168	187	187	192	189	197	209	242	248	258	259	244	154	155	170	149	201	218	197	203	257	252	260	125	200
28	193	184	156	146	232	218	223	213	219	210	206	194	206	217	196	192	167	181	182	186	193	196	304	296	202
29	195	149	167	170	320	267	206	249	267	256	280	269	278	265	313	165	131	135	31	40	51	71	67	64	237
30	74	5	354	348	341	353	14	12	7	16	29	26	40	44	51	78	72	81	81	91	96	102	110	125	49
Avg	195	198	204	204	216	226	227	241	252	256	258	243	225	201	186	174	167	161	148	160	173	182	196	199	212
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**

**June 2011**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.1	2.9	1.6	1	0.3	0.6	0.7	1.2	2.1	2.4	2.5	3	3.4	5.6	5.1	5.2	5.5	4.9	5	3.7	3.8	4.3	4.6	3.8	3.2
2	3.9	3.7	4.5	4.5	4.3	3.7	3.5	2.6	3.2	3.7	3.4	3.4	3.7	5.1	4.4	3.9	4.5	4	4.1	1.3	0.2	0.4	0.5	2.5	3.3
3	3.6	3.6	3.5	3.1	2.9	3.8	4.2	4.5	5.9	5.3	5.4	4.7	5.2	5	4.6	4.1	4.2	4.3	4.3	2.3	0.8	0.3	0.4	0.3	3.6
4	0.3	0.6	1.3	1.5	1.6	2.9	3.4	3.1	3.8	4.1	3.4	3.9	3.4	4.2	4.2	4.6	3.8	2.6	1.9	2.1	1.3	0.5	0	0.1	2.4
5	1	1.1	0.8	1.2	1.5	1.8	3.1	4	4.3	4.1	3.9	4.1	5.5	4.2	4.3	3.7	4	4	4.7	3.9	3.2	2.3	1.8	1.3	3.1
6	0.3	0.2	0	0.4	0.9	0.7	1	1.9	2.1	1.9	2.1	2.8	4.6	7.6	5.9	5.3	4.3	4	4.3	2.2	1.5	1	0.3	0.1	2.3
7	0.4	0.3	0.1	0	0.1	0	0.8	2.4	3.5	3	2.4	3.7	4.9	5.2	4.9	5.8	5.1	5.4	6.6	5.7	4.3	4.1	4.6	4.5	3.3
8	4.5	3.6	4.4	4.6	4	3.3	4.1	4.9	4.8	3.8	3.9	3.7	4.5	6	6	4.9	4.7	4.9	3	2.8	3.4	3.6	3.4	4	4.2
9	3.4	2.8	3.4	3	3.6	4.3	5.3	5	4.3	3.8	3.2	3.2	3.8	5.7	6.3	5.6	5.3	4.4	3.4	4.6	4	4.5	4.8	4.9	4.3
10	4.5	3.6	3.4	3.5	3.4	3.4	3.9	5.4	4.8	4.1	4.6	5.4	5.5	5.2	5.8	6	7.3	7.5	6.9	4.7	3.5	4.4	2.9	3.8	4.7
11	2.5	1.9	2	1.4	1.3	1.8	3.8	5.1	6	5.2	4.9	4.7	6.2	6.8	6.1	5.1	6.1	6.6	6.1	5.3	5.9	5.5	5.2	2.3	4.5
12	3.4	1.5	1.9	3	3	2.4	3.2	5.2	5.3	4.3	4	4.9	4.7	5.3	4.9	5.4	5	4.3	3.9	3.1	5.1	1.3	2.4	2.7	3.8
13	3.1	1.4	2.6	1.8	2.4	2.8	2.9	3.8	5.1	6.2	6.3	6.3	5.5	5.4	5	5.1	4	3.7	4.6	2.7	3	3.6	2.4	1.4	3.8
14	1.3	0.9	0.9	1.3	1.2	1.1	2.5	4.8	5.5	5.3	4.4	5.1	5.2	5.8	4.8	5.3	4.1	4.4	3.4	1	0.4	0	0.3	0.7	2.9
15	1.3	1.2	0.5	1.7	2.6	3	4.6	5.7	4.9	5.1	6.1	6.2	5.4	5.9	5.3	5.6	4.5	3.8	2.2	1.1	0.4	1.3	0.5	0.4	3.3
16	0.6	0.4	0.9	0.8	1.5	0.9	3	4.9	5.2	5.8	6.4	6.6	6	6.6	6.9	8.7	9.7	9.4	7.3	6.7	6.5	5.9	5.7	6.1	5.1
17	5.1	4.7	4.8	4.5	4.1	3.5	5.2	5.3	5.7	5.7	5.4	5	5.4	5.1	3.7	5	5	5.2	3	1.2	2	3	3.5	2.8	4.3
18	3.7	3.4	2.5	2.8	2.1	2.4	3.4	5.1	4.2	4.9	5.4	6.2	5.6	6.5	6.4	5.8	5.6	6.5	5.1	3.8	4.7	3.4	4	4.4	4.5
19	5	5	4.3	5.8	5	5.9	5.9	6.2	6.2	6.6	8	7.8	7.3	8	6.4	6.7	8.1	5.4	4.3	2.1	2.9	2.7	2.2	1.9	5.4
20	2	2.8	1.7	3.6	3.2	2.8	3.5	4.6	6.9	7.9	8.4	10.3	10.5	9.1	9.6	8.4	6.8	5.6	6.3	3	0.2	1	0.5	1.3	5
21	0.6	0.3	0.9	0.6	0.1	0.7	0.2	0.4	2.1	2.7	4.4	5.9	4.8	5.7	5.5	6.6	6	5.5	5.7	5.6	4.2	2.9	2.7	1.8	3.2
22	1.4	1.7	2	2.3	0.7	0.5	1.2	3.4	4	3	3.8	5.3	5.2	5.8	6.3	7.6	7.6	7.9	5.7	6.4	4.6	6.2	6	4.8	4.3
23	3	2.6	4.2	3.9	2.9	3.6	4.3	5.4	7.3	6.7	8.7	9.2	8.6	8.8	8.2	8.7	7.2	6.2	5.4	3.1	4.1	4	4	3.8	5.6
24	4.1	3.7	5	3.8	4.1	4.4	4.9	5.3	6.8	6.6	7.1	6.9	7	7.4	7.6	7.8	6.2	4.3	2.6	2	3.6	4.9	4.7	6.2	5.3
25	5	2.4	2.6	3.7	3.6	4	4.2	4.4	2.7	2.4	3.1	3.3	3.7	2.5	3.5	5.3	5.7	5.1	3.6	3	0.9	0.3	1.7	2.2	3.3
26	2.5	1.5	0.5	0.4	0.3	0.8	1.1	1.5	2	2.7	3	3.5	4.6	4.2	2.9	3.1	3.7	5.8	4.1	3.7	3.6	3.7	3.4	2.6	2.7
27	3	4.2	4.3	4	3.5	4.2	4	5.3	4.3	4.3	3.3	3.5	5.1	4.4	5.4	7.8	6.9	7.9	5.9	3.7	2.1	2.7	2.2	0.2	4.2
28	0.4	1.1	1	0.6	2	3	3	3.8	4.9	4.3	4.6	5.2	6.1	7.5	7.7	7.9	8.8	5	4.4	6.8	6.2	4.2	7	2.1	4.5
29	1.9	1.6	1.9	1.9	1.9	1.1	1.5	2	2.8	3.4	3.3	3.2	3.7	3.1	2.8	3.7	3.1	2.9	2.8	3.5	2.9	2	1.1	1.3	2.5
30	0.7	0	0.8	0.5	1.3	1.7	1.5	3	4.1	3.9	4.4	4.8	4.8	5.3	4.7	5.3	4.4	4.2	3.8	3.4	2.6	1.3	1	0.9	2.8
Avg	2.5	2.2	2.3	2.4	2.3	2.5	3.1	4	4.5	4.4	4.7	5.1	5.3	5.8	5.5	5.8	5.6	5.2	4.5	3.5	3.1	2.8	2.8	2.5	3.8
SD	1.6	1.4	1.5	1.6	1.4	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.5	1.5	1.5	1.5	1.6	1.5	1.4	1.6	1.8	1.8	2	1.8	0.9
S/A	0.63	0.67	0.67	0.67	0.6	0.59	0.48	0.38	0.33	0.33	0.38	0.36	0.29	0.26	0.28	0.26	0.29	0.29	0.32	0.47	0.59	0.63	0.7	0.71	0.24
Min	0.3	0	0	0	0.1	0	0.2	0.4	2	1.9	2.1	2.8	3.4	2.5	2.8	3.1	3.1	2.6	1.9	1	0.2	0	0	0.1	2.3
Max	5.1	5	5	5.8	5	5.9	5.9	6.2	7.3	7.9	8.7	10.3	10.5	9.1	9.6	8.7	9.7	9.4	7.3	6.8	6.5	6.2	7	6.2	5.6
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: 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**

**June 2011**

**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	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1019	1018	1018	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1018
2	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015	1015	1014	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015	1014
3	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1017
4	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1018	1017	1016	1016	1015	1014	1013	1014	1014	1014	1014	1014	1017
5	1013	1013	1013	1013	1012	1012	1013	1013	1013	1012	1013	1013	1013	1013	1013	1012	1012	1012	1012	1013	1013	1014	1014	1013	1013	1013
6	1013	1012	1012	1012	1013	1013	1014	1014	1014	1015	1014	1014	1014	1013	1014	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1014
7	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016	1015	1014	1014	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015
8	1014	1014	1014	1014	1014	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013
9	1013	1013	1012	1012	1013	1013	1014	1014	1014	1013	1013	1013	1012	1012	1011	1011	1010	1010	1010	1010	1011	1011	1012	1012	1012	1012
10	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1010	1010	1011	1012	1013	1012	1012	1012	1012	1012
11	1012	1012	1012	1012	1012	1013	1013	1014	1014	1013	1013	1013	1012	1011	1011	1010	1010	1010	1010	1010	1011	1011	1012	1013	1012	1012
12	1011	1011	1010	1010	1010	1010	1010	1011	1011	1011	1011	1010	1009	1009	1008	1007	1007	1007	1007	1007	1008	1008	1008	1008	1008	1009
13	1008	1008	1008	1008	1008	1008	1009	1010	1010	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1011	1011	1011	1009
14	1010	1010	1009	1009	1010	1010	1010	1011	1011	1011	1011	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010	1010
15	1010	1010	1010	1010	1010	1010	1011	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1012	1012	1012	1012	1012	1012	1011
16	1012	1012	1012	1012	1012	1013	1013	1013	1014	1013	1013	1012	1012	1012	1011	1011	1010	1011	1011	1011	1011	1011	1012	1012	1011	1012
17	1012	1012	1011	1010	1011	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011
18	1011	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1010	1010	1009	1008	1008	1008	1008	1008	1008	1008	1007	1008	1010	1010
19	1008	1008	1008	1008	1008	1008	1008	1007	1008	1008	1007	1008	1007	1007	1007	1007	1007	1008	1007	1008	1008	1009	1008	1008	1008	1008
20	1008	1008	1007	1007	1006	1006	1006	1006	1006	1006	1006	1007	1007	1009	1010	1010	1011	1011	1011	1012	1012	1012	1012	1012	1012	1009
21	1012	1012	1012	1012	1012	1013	1014	1014	1014	1014	1014	1013	1013	1013	1012	1012	1012	1012	1011	1012	1012	1013	1013	1012	1013	1013
22	1012	1012	1012	1013	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1010	1010	1009	1010	1010	1010	1010	1010	1010	1012
23	1010	1010	1009	1009	1009	1010	1010	1010	1010	1010	1009	1009	1008	1008	1007	1007	1007	1007	1006	1007	1008	1009	1008	1008	1008	1009
24	1008	1007	1007	1007	1007	1007	1008	1008	1008	1007	1007	1007	1006	1006	1005	1005	1005	1005	1005	1005	1006	1006	1006	1006	1006	1006
25	1007	1006	1006	1006	1007	1007	1008	1009	1009	1010	1010	1009	1009	1009	1009	1009	1009	1009	1010	1011	1011	1012	1012	1012	1009	1009
26	1011	1011	1011	1011	1012	1013	1013	1014	1014	1014	1014	1013	1013	1012	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1012
27	1013	1012	1012	1012	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1012	1012	1013	1014	1014	1014	1013	1013	1014	1014	1014	1013
28	1014	1013	1013	1012	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1010	1009	1009	1010	1009	1010	1010	1012	1013	1013	1012
29	1012	1011	1011	1010	1011	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1012	1012	1013	1012	1012
30	1013	1012	1012	1012	1012	1013	1014	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014
Avg	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012
SD	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	
S/A	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	
Min	1007	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1007	1006	1006	1005	1005	1005	1005	1005	1005	1006	1006	1006	1006	1006	
Max	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1019	1018	1018	1017	1017	1016	1016	1016	1017	1017	1018	1018	1018	1018	
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: 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**

**June 2011**

**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	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.2	13.1	13	13	12.9	13	13	13	13	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.8
2	12.7	12.6	12.6	12.6	12.6	12.6	13	13.1	13	13	12.9	12.9	13	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.8
3	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.7	12.7	12.7	12.9
4	12.7	12.7	12.6	12.6	12.6	12.6	13.2	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13	13	13.1	13	12.9	12.8	12.8	12.8	12.7	12.7	12.9
5	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.9
6	12.7	12.7	12.7	12.7	12.7	12.7	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.1	13.1	13	12.9	12.8	12.8	12.8	12.7	12.7	12.9
7	12.7	12.7	12.7	12.7	12.6	12.7	13.2	13.2	13.1	13.1	13	13	13	13.1	13	13	13.1	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.9
8	12.7	12.7	12.7	12.7	12.6	12.7	13.2	13.2	13.1	13.1	13	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
9	12.7	12.7	12.6	12.6	12.6	12.6	13.1	13.2	13.1	13	13	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.8
10	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.2	13.1	13	13	13	13	13	13	13	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.8
11	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.2	13.2	13.1	13.1	13	13.1	13	13	13	13	13	12.8	12.8	12.8	12.7	12.7	12.7	12.9
12	12.7	12.7	12.6	12.6	12.6	12.6	13.1	13.2	13.1	13.1	13.1	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
13	12.7	12.7	12.6	12.6	12.6	12.6	13.1	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.9
14	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.9
15	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.3	13.2	13.2	13.2	13.1	13.2	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.8	12.7	12.7	12.9
16	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.2	12.9	12.8	12.8	12.8	12.8	13
17	12.8	12.7	12.7	12.7	12.7	12.7	12.9	13.2	13.2	13.1	13.1	13	13	13	13	13	13	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.9
18	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.2	13.1	13.1	13	13	13	13	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
19	12.7	12.7	12.6	12.6	12.6	12.6	13	13.2	13.2	13.1	13.1	13.1	13	13	13	13	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.9
20	12.7	12.7	12.7	12.7	12.6	12.6	13.1	13.2	13.2	13.1	13.1	13.1	13.2	13.2	13.3	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.9
21	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.2	13.3	13.1	13.1	13.1	13.1	13.1	13	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.9
22	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.2	13.1	13.1	13.1	13.1	13.1	13	13	13	13	13	12.8	12.8	12.8	12.8	12.7	12.7	12.9
23	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.2	13.1	13.1	13	13	13	13	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
24	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13	13	13.1	13	13	12.8	12.8	12.8	12.8	12.7	12.9
25	12.7	12.7	12.7	12.7	12.7	12.7	13	13.2	13.1	13	13	13	13	13	13	13	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
26	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.2	13.1	13	13	13	13	13	13	13	13	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.9
27	12.7	12.7	12.7	12.6	12.6	12.6	12.8	13.2	13.1	13.1	13	13	13	13	13	12.9	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.8
28	12.6	12.6	12.6	12.6	12.6	12.6	13	13.2	13.2	13.1	13	13	13	13	13	13	12.9	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.9
29	12.7	12.7	12.6	12.6	12.6	12.6	12.7	12.7	13	13.2	13.2	13.1	13.1	13	13	13	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.8
30	12.7	12.7	12.6	12.6	12.6	12.6	13	13.2	13.1	13.1	13	13	13	13	13	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
Avg	12.7	12.7	12.7	12.6	12.6	12.6	13	13.2	13.1	13.1	13.1	13	13	13	13	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.9
S D	0	0	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	
S/A	0	0	0	0	0	0	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	
Min	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.7	12.7	12.6	12.6	12.8	
Max	12.8	12.7	12.7	12.7	12.7	12.7	13.3	13.3	13.3	13.2	13.3	13.3	13.2	13.2	13.3	13.2	13.2	13.2	13	12.8	12.8	12.8	12.8	12.8	13
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.