

**June 2010**

**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	2	24	66	305	421	384	535	410	802	737	559	474	304	249	41	3	0	0	0	0	5316	
2	0	0	0	0	3	25	70	146	191	228	450	834	766	781	770	400	399	149	36	3	0	0	0	0	5250	
3	0	0	0	0	3	51	166	364	499	570	785	1033	726	419	668	561	402	238	57	2	0	0	0	0	6542	
4	0	0	0	0	4	36	173	403	586	776	778	542	677	511	449	405	191	149	35	2	0	0	0	0	5717	
5	0	0	0	0	2	32	157	383	614	687	856	963	893	727	572	569	400	191	55	4	0	0	0	0	7106	
6	0	0	0	0	3	59	219	416	610	778	891	882	945	861	661	499	453	248	65	2	0	0	0	0	7591	
7	0	0	0	0	6	69	253	406	623	735	838	706	723	389	427	457	330	65	38	6	0	0	0	0	6073	
8	0	0	0	0	7	61	235	381	359	631	828	856	925	610	515	554	410	261	86	11	0	0	0	0	6731	
9	0	0	0	0	5	32	165	132	138	121	285	822	937	617	397	327	144	83	37	11	0	0	0	0	4253	
10	0	0	0	0	3	22	97	248	393	772	902	834	719	777	676	564	254	192	57	4	0	0	0	0	6515	
11	0	0	0	0	8	70	211	374	605	771	906	993	991	926	812	649	448	254	79	8	0	0	0	0	8105	
12	0	0	0	0	5	37	219	414	606	775	870	940	965	914	794	550	426	230	55	7	0	0	0	0	7808	
13	0	0	0	0	2	23	164	386	468	695	747	858	917	803	724	639	417	245	48	7	0	0	0	0	7142	
14	0	0	0	0	3	61	235	355	598	766	771	465	331	519	721	638	433	243	76	6	0	0	0	0	6221	
15	0	0	0	0	6	64	213	395	546	613	584	730	876	927	775	631	449	243	74	5	0	0	0	0	7131	
16	0	0	0	0	3	37	93	?	331	721	796	843	720	565	641	322	60	?	?	3	?	1	0	0	0	5136 ?
17	0	0	0	0	6	53	180	397	592	785	905	934	629	800	712	527	418	208	90	6	0	0	0	0	7242	
18	0	0	0	0	4	65	228	427	628	790	933	970	771	865	837	658	471	268	86	10	0	0	0	0	8011	
19	0	0	0	0	5	65	219	303	467	468	436	761	722	701	848	649	447	199	82	10	0	0	0	0	6382	
20	0	0	0	0	6	61	203	388	581	746	774	696	908	684	457	169	427	284	93	14	0	0	0	0	6492	
21	0	0	0	0	3	57	223	416	608	775	914	1011	606	580	391	600	305	244	72	8	0	0	0	0	6814	
22	0	0	0	0	4	59	171	387	566	734	714	786	764	704	374	422	475	230	71	8	0	0	0	0	6469	
23	0	0	0	0	4	54	202	397	586	752	876	952	786	807	561	468	171	82	35	12	0	0	0	0	6746	
24	0	0	0	0	4	57	215	409	593	752	881	953	965	914	798	612	459	242	52	7	0	0	0	0	7913	
25	0	0	0	0	7	62	154	336	463	490	695	886	632	538	416	538	356	239	64	6	0	0	0	0	5879	
26	0	0	0	0	7	48	144	385	599	763	892	969	963	940	816	639	260	247	78	9	0	0	0	0	7760	
27	0	0	0	0	3	55	212	408	598	763	880	936	945	797	615	607	456	250	75	9	0	0	0	0	7610	
28	0	0	0	0	5	57	211	404	598	747	897	970	952	886	776	613	461	277	83	7	0	0	0	0	7945	
29	0	0	0	0	7	48	155	379	582	754	879	891	811	868	737	156	135	?	58	?	14	1	0	0	0	6476
30	0	0	0	0	1	13	34	51	?	91	113	488	317	346	403	377	259	115	65	23	10	0	0	0	2704	
Avg	0	0	0	0	4	49	176	352	505	649	766	825	790	719	629	505	349	205	59	7	0	0	0	0	6569	
S/D	0	0	0	0	2	16	56	93	149	197	171	182	169	159	142	125	70	24	3	0	0	0	0	0	1204	
S/A	0	0	0	0	0.42	0.33	0.32	0.27	0.3	0.3	0.22	0.22	0.21	0.23	0.25	0.28	0.36	0.34	0.4	0.52	0	0	0	0	0	0.18
Min	0	0	0	0	1	13	34	51	91	113	285	317	331	389	374	156	60	58	3	1	0	0	0	0	2704	
Max	0	0	0	0	8	70	253	427	628	790	933	1033	991	940	848	658	475	284	93	14	0	0	0	0	8105	
n	0	0	0	0	83	360	356	345	360	360	360	360	360	360	358	359	349	345	355	111	0	0	0	0	0	5182

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.0% exceed the 15% QC threshold -- 5234 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 2010

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	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	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	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	N/A	0	0	0	0	N/A	N/A
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	N/A	0	0	0	0	N/A	N/A
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	0

Daylight Data Recovery: 99.9% missing; 0.0% untested; 0.1% exceed the 15% QC threshold -- 5234 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.

June 2010

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	2	23	66	254	341	367	476	393	433	325	313	225	172	79	27	3	0	0	0	0	3500
2	0	0	0	0	3 ?	25	70	146	191	228	411	469	392	337	304	293	275	132	36	3	0	0	0	0	3315
3	0	0	0	0	4 ?	41	110	155	237	373	383	339	528	415	329	161	169	100	38	2	0	0	0	0	3384
4	0	0	0	0	5 ?	36	134	155	184	206	325	450	441	350	326	282	180	129	35	2	0	0	0	0	3240
5	0	0	0	0	3 ?	30	118	159	163	231	249	246	291	317	289	222	167	106	40	4	0	0	0	0	2635
6	0	0	0	0	2	44	86	109	131	140	200	238	227	248	252	221	124	83	34	2	0	0	0	0	2140
7	0	0	0	0	7 ?	35	67	141	141	219	251	339	297	268	248	177	128	65	36	6	0	0	0	0	2426
8	0	0	0	0	8 ?	55	149	130	214	256	202	348	287	310	332	190	185	122	51	11	0	0	0	0	2850
9	0	0	0	0	5 ?	32	144	132	138	121	285	492	369	462	264	293	143	83	37	11	0	0	0	0	3011
10	0	0	0	0	4 ?	22	97	232	228	183	184	251	340	300	267	285	188	114	49	4	0	0	0	0	2747
11	0	0	0	0	11 ?	52	109	202	186	191	182	173	158	158	128	121	110	85	40	8	0	0	0	0	1913
12	0	0	0	0	7 ?	32	89	137	223	171	197	172	170	169	177	206	154	103	41	7	0	0	0	0	2054
13	0	0	0	0	2	23	137	195	313	366	362	344	310	329	298	211	167	103	42	7	0	0	0	0	3209
14	0	0	0	0	4 ?	38	141	163	180	201	324	311	229	296	282	186	154	110	49	6	0	0	0	0	2674
15	0	0	0	0	7 ?	42	97	159	222	380	413	438	366	283	280	207	195	139	55	5	0	0	0	0	3290
16	0	0	0	0	4 ?	37	86	30 ?	271	440	511	503	470	463	421	154	50 ?	?	3 ?	1	0	0	0	0	3445 ?
17	0	0	0	0	7 ?	46	136	176	180	134	149	198	326	242	189	205	163	108	54	6	0	0	0	0	2319
18	0	0	0	0	6 ?	34	80	114	158	142	154	323	482	385	184	153	134	80	41	10	0	0	0	0	2478
19	0	0	0	0	7 ?	38	92	200	283	268	339	338	361	341	245	266	170	121	49	10	0	0	0	0	3126
20	0	0	0	0	7 ?	44	105	145	206	242	328	335	313	360	249	157	302	192	83	14	0	0	0	0	3082
21	0	0	0	0	4 ?	36	78	110	135	147	170	243	334	349	278	254	202	134	57	8	0	0	0	0	2537
22	0	0	0	0	6 ?	46	122	160	196	234	282	304	301	308	244	239	177	102	48	8	0	0	0	0	2777
23	0	0	0	0	6 ?	41	103	133	165	190	216	224	329	340	306	294	164	81	34	12	0	0	0	0	2637
24	0	0	0	0	5 ?	38	88	117	147	176	187	192	183	173	168	190	143	100	43	7	0	0	0	0	1957
25	0	0	0	0	7	52	138	225	323	398	461	283	410	368	315	316	219	164	58	6	0	0	0	0	3743
26	0	0	0	0	9 ?	45	125	217	177	207	212	217	219	195	178	182	182	142	59	9	0	0	0	0	2375
27	0	0	0	0	2	35	85	115	134	146	165	210	258	247	251	180	135	100	51	9	0	0	0	0	2121
28	0	0	0	0	7 ?	35	81	119	143	177	162	190	255	263	218	241	131	86	43	7	0	0	0	0	2159
29	0	0	0	0	9 ?	41	89	146	159	162	188	375	357	271	229	139	134 ?	58 ?	14	1	0	0	0	0	2372
30	0	0	0	0	1	13	32	49	91	113	433	312	345	400	371	257	115	65	23	10	0	0	0	0	2628
Avg	0	0	0	0	5	37	102	151	195	227	280	308	326	309	264	217	164	106	42	7	0	0	0	0	2738
S D	0	0	0	0	2	9	28	49	61	91	110	97	92	78	64	53	47	30	15	3	0	0	0	0	508
S/A	0	0	0	0	0.44	0.26	0.28	0.33	0.31	0.4	0.39	0.31	0.28	0.25	0.24	0.24	0.29	0.28	0.35	0.52	0	0	0	0	0.19
Min	0	0	0	0	1	13	32	30	91	113	149	172	158	158	128	121	50	58	3	1	0	0	0	0	1913
Max	0	0	0	0	11	55	149	254	341	440	511	503	528	463	421	316	302	192	83	14	0	0	0	0	3743
n	0	0	0	0	59	360	359	352	360	360	360	360	360	360	360	360	351	345	355	111	0	0	0	0	5172

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.2% exceed the 15% QC threshold -- 5234 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**

**June 2010**

**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	22.5	22.2	22.1	22	22.2	22.1	22.5	23.5	24.8	25.1	25.8	26.2	26.7	27.4	27.9	28	28	28.2	26.7	25.5	24.7	24.3	23.9	23.5	24.8
2	23	22.6	22.3	22	21.8	22.1	22.7	23.1	24	24.6	25.9	26.6	28.1	28.5	29.2	27.1	26.1	25.3	24.5	24	23.6	23.2	23.3	23.1	24.4
3	23	22.8	22.8	23	22.9	23	23.6	24.5	25.8	25.9	26.9	28.3	28.6	28.3	29.3	30.5	30.2	29.9	28.8	27.6	26.6	25.9	25.4	24.9	26.2
4	24.3	23.7	23.6	23.1	23	23.4	24	25.7	27.4	28.9	30.4	30.5	30.8	31.3	31.5	31.7	29.2	28	27	26.7	26.5	26.3	26	25.6	27
5	25.4	25.4	25.4	25.3	25.1	24.7	25.2	26.7	28.1	29.2	30.3	31.3	31.9	32.2	31.6	32.5	32.8	32.3	31.3	29.8	28.8	27.6	27.1	26.9	28.6
6	26.6	26.3	26	25.6	25.2	25.3	26.5	27.4	28.8	30	31.1	31.8	32.8	33.3	33.6	33.3	33.7	33.2	32.3	31	29.9	24.4	21.7	21.7	28.8
7	21.8	21.7	21.5	21.2	20.5	20.2	21.2	22.2	23.4	24.6	25.2	25.2	24.9	24.6	23.5	23.8	23.7	22.6	22.5	22.1	21.2	20.8	20.3	19.9	22.4
8	19.6	19.3	19.2	19.1	19.2	19.7	21.7	22.8	23	23.6	24.7	25.5	25.5	25.5	25	25.2	24.2	23.4	22.7	21.5	21	20.5	20.2	19.8	22.2
9	19	19.1	19.2	18.4	18.9	19.6	20.9	21.3	21.4	21.7	22.4	24.5	26.1	26.8	27.2	27.7	27.3	27.1	27	26.6	26.1	25.7	24.9	23.8	23.4
10	24	24.1	24	23.8	23.6	23.4	23.5	24.1	25	26.9	28.9	29.9	30.7	30.9	31.4	31.7	28.7	28.3	26.7	25.2	24.4	23.7	23.3	23.1	26.2
11	23	22.5	22.3	21.8	21.5	21.7	23.2	25	26.2	26.7	27.5	28.1	28.2	28.7	28.8	28.7	27.8	26.1	24.4	22.6	22	21.6	21.5	21.7	24.6
12	21.5	21.6	21.4	21.3	21.3	21.4	22.5	24.3	25.8	27.1	28	28.6	29.8	31	31.6	31.8	32.1	31.5	30	28.2	27.1	26.3	26.2	25.8	26.5
13	25.6	25.7	25.6	23.5	22.9	23.4	24.2	25.1	26.3	27.4	28.5	29.8	30.9	31.6	32.3	32.8	33	32.9	32.1	30.7	30	28.7	27.7	26.7	28.2
14	25.6	24.7	24.3	23.9	23.9	23.9	25.3	27.3	28.7	29.8	31.2	30.7	29.8	29.3	30.1	30.2	30.1	29.2	28	26.7	26.1	26.3	25.8	25.7	27.4
15	25.6	25.3	25	24.7	24.3	24.4	25.6	26.6	27.9	28.5	29.8	29.6	29.8	30.3	29.7	29	28	25.9	24.7	23.7	23.4	23.4	23.2	23.4	26.3
16	23.4	23.4	23.3	23.4	23.5	23.3	23.8	23.2	23.4	25.2	26.2	27.3	28	28.1	28.7	28.7	27.1	25.8	24.2	23.5	23.2	23.3	23.2	23.3	24.9
17	23.3	23.2	22.9	22.7	22.8	23	23.7	24.8	26	27.9	29.9	30.6	30.4	31	31.5	31.8	31.8	31.3	31.1	29.2	27.4	25.8	25.7	25.1	27.2
18	24.4	23.8	23.2	22.7	22.2	22.7	23.6	24.4	25.7	26.2	27.1	27.3	27.2	27.6	27.5	27.1	26.4	25.7	24.8	23.7	23.2	22.9	22.8	22.7	24.8
19	22.6	22.4	22.4	22.7	22.6	23.4	24.4	25.4	26.9	27.7	28.3	29	29.4	29.8	30.1	30	29.6	28.7	28.2	27.2	26.5	26	25.4	25	26.4
20	24.5	24.3	23.8	23.4	23.3	23.6	24.8	26.6	28.3	29.6	30.9	31.7	32.5	31.9	32.1	26.1	27.3	28.2	27	26.3	25.7	25.5	25	24.8	27
21	24.3	24	23.6	23.4	23.2	23.3	24.8	27	29.2	30.8	31.4	32.2	31.8	31.5	31.4	31.5	31	30.3	29.7	28.7	28	27.4	27.1	26.5	28
22	26.4	26.5	26.3	25.9	25.4	25.3	26.1	27.5	30	31.6	32.9	33.7	34.1	34.2	33.7	34.1	34.5	34.1	32.6	30.8	29.5	28.8	28.3	27.7	30
23	27.2	26.8	26.4	26	25.8	25.9	26.8	27.9	29.2	30.8	32.3	33.4	33.8	34.7	34.6	33.9	31.7	30.5	29.7	28.9	28.3	27.8	27.3	26.9	29.4
24	26.3	26.4	26.1	25.5	24.9	24.5	25.6	27.4	29.2	31	32.6	33.9	35	35.9	36.5	36.6	36.4	35.7	34.3	32.9	32.1	31	30.1	29.5	30.8
25	29	27.1	26.2	25.6	24.9	24.8	26.3	27.7	28.9	29.5	30.6	31.7	32.5	31.9	31	31	29.8	29.2	28.6	27.7	27.1	26.8	26.7	26.4	28.4
26	26.3	25.9	26	26	25.7	26.1	26.6	27	27.7	28.6	29.6	30.9	31.3	32.7	33.3	33.5	32.1	31.6	31.4	30.2	29.1	28.6	28.2	27.6	29
27	27	26.7	26.3	26.1	25.6	25.5	26.3	27.9	29.7	31.4	33.3	34.5	35	35.3	35.6	35.9	36	35.3	33.4	31.4	30.4	29.5	28.4	27.6	30.6
28	26.7	25.9	25.4	24.9	24.7	24.9	26.1	27.2	28.3	28.9	30.6	31.7	32.6	33.7	34.4	34.5	34.9	35.1	33.6	32	31.3	30.2	29.7	29	29.8
29	28.5	28.1	28	27.4	27	26.8	26.9	27.6	28.9	30.4	31.9	32.8	33.4	34.1	34.6	32.5	25	24.7	23.8	23.4	23.8	24.1	24.2	23.8	28
30	23.7	23.4	23.5	23.4	23.5	23.6	23.6	23.4	22.5	21.8	23.4	24.6	23.9	24.2	24	23.6	23.1	22.6	22.4	22.3	22.5	22.4	22.1	22.1	23.2
Avg	24.5	24.2	23.9	23.6	23.4	23.5	24.4	25.5	26.7	27.7	28.9	29.7	30.2	30.5	30.7	30.5	29.7	29.1	28.1	27	26.3	25.6	25.2	24.8	26.8
S D	2.4	2.2	2.1	2.1	1.9	1.8	1.7	1.9	2.4	2.7	2.9	2.9	3	3.1	3.2	3.4	3.6	3.7	3.6	3.3	3.1	2.7	2.6	2.5	2.4
S/A	0.1	0.09	0.09	0.09	0.08	0.08	0.07	0.08	0.09	0.1	0.1	0.1	0.1	0.1	0.11	0.11	0.12	0.13	0.13	0.12	0.12	0.11	0.11	0.1	0.09
Min	19	19.1	19.2	18.4	18.9	19.6	20.9	21.3	21.4	21.7	22.4	24.5	23.9	24.2	23.5	23.6	23.1	22.6	22.4	21.5	21	20.5	20.2	19.8	22.2
Max	29	28.1	28	27.4	27	26.8	26.9	27.9	30	31.6	33.3	34.5	35	35.9	36.5	36.6	36.4	35.7	34.3	32.9	32.1	31	30.1	29.5	30.8
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 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**

**June 2010**

**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	102.1	104	104.2	104.2	103.8	103.8	?	104	100.6	96.4	95.8	93.5	91.8	88.6	83.8	82.6	83.8	81.1	75.7	85.2	88.2	93.7	97.6	100.8	103.2	94.5			
2	104.6	?	?	?	?	?	?	?	?	103.5	101.1	97.1	95.2	89.8	88	84.8	93.1	92.8	95.8	101.5	103.2	103.9	104.8	?	?	97.3	?		
3	?	?	?	?	?	?	?	103.4	?	98.9	93.8	94.8	90	83.3	79.3	80.5	76.8	73.6	76.3	76.4	83.1	89.6	94.5	98.1	100.9	102.2	88.6	?	
4	104	?	?	?	?	?	?	?	102.1	97.3	89.7	80.2	82.1	82	78.2	76.8	76.2	88.8	94.4	97	98.5	98.8	97.2	97.3	100.9	91.2	?		
5	103.7	104.4	103.9	103.7	104	104.4	?	103.8	98.8	93.9	89.8	84.2	77.8	74.4	73.2	76.5	73.5	70.8	71.7	79.1	85.4	90.6	101.3	103.7	102.6	90.6	?		
6	101.5	101.6	101.5	103	103.5	102.5	98.5	94.7	88	83.6	80.2	74.3	68.7	66.3	63.9	63.9	63.2	64	66.9	72.4	78.6	93.7	?	?	?	83.4	?		
7	?	?	?	100.7	?	99.1	98.8	90.5	86.1	82.6	77.1	70	70.1	76.5	77.3	83	83.5	83.1	85.5	86	89.5	95.4	96.3	97.8	99.6	87.1	?		
8	101.8	103.3	103.9	104.5	?	103.8	?	103.6	99.3	96.5	94.4	88.7	75.7	68.8	69.3	69.9	71.2	69.1	73	74.8	75.1	78.9	81.7	85.7	87.8	89.6	86.3		
9	92.4	87.2	82.9	86	82.2	76.2	70.6	70	71.9	71.4	70	73.8	76.6	80.6	80.4	81	86.3	88.6	90.5	90.2	89.4	91.7	94.5	99.5	82.7	?			
10	95.4	92.9	94.2	96	96.5	97.1	97.5	96.8	95.6	90.6	82.3	75.1	72.3	70	66.5	66	82.5	83.7	88.6	96.2	100	103.5	?	?	?	88.1	?		
11	?	?	?	?	?	?	?	103.4	?	97.6	87.2	83.5	80	75.9	72	69.1	63.6	64.8	70.5	81.4	92.9	100.4	104.3	?	?	?	83.1	?	
12	?	103.2	102.8	101.8	102.7	103.2	100	89.6	79.2	69.3	69.1	74	72.9	71.1	69.2	70	71.1	74.9	81.5	89.4	94.3	98.2	94.3	92.9	85.9	?	?		
13	89.4	89.8	94.5	99.4	?	?	?	103.1	?	99.2	96.1	93.5	88.7	84	81.8	79.3	77	76.4	76.5	79	82.3	83.6	88.8	92.5	96.6	88.2	?		
14	100.6	103.1	103.7	104.8	?	?	?	102.5	96.5	92.1	86.4	79.7	84.3	85.6	88.3	82.8	83.5	82.9	85	91.3	95.4	99.4	98.8	100.5	103.3	93.2	?		
15	104.1	104.7	?	?	?	?	?	103.5	?	100.7	96	93.1	88.1	90.7	84	79.1	81.9	83.3	90.4	96.8	99.8	103.1	104.5	104.9	?	?	94.9	?	
16	?	?	?	?	?	?	?	?	?	?	102.7	99.9	97.4	96.2	97.5	96.5	94.1	99.9	100.7	104.3	?	?	?	?	?	?	98.9	?	
17	?	?	?	?	?	?	?	?	102.9	98.2	88.9	77.8	73.1	72.8	67.5	63.5	62.2	64.3	66.5	67.1	71.7	84.5	96	95	97	79.4	?		
18	99.4	98.7	99.1	101.3	98.6	96.1	99.1	91.6	84.7	80.3	76.9	76.9	77.7	77.2	78	80	81.7	83.6	85.1	90.5	94.8	97	96.8	97.3	89.3	?	?		
19	99.3	99.6	100.9	101.7	104.3	104.2	101.7	100.9	96.8	92.4	88	87.2	83.4	79.9	76.8	78.2	85.3	91	92.7	95.4	98.1	101.7	104.5	?	?	94.1	?		
20	?	?	?	?	?	?	?	?	102.9	97.9	92.9	86.5	79.6	75.4	78.2	80.5	99.5	98.2	91.7	95.6	98.8	101.5	99.7	98.6	97.4	92.6	?		
21	100.6	102.9	104.6	104.8	?	?	?	101.5	94.6	88.6	81.4	76.5	68.3	74.4	73.1	71.8	66.3	74.4	81.2	86.3	95.1	97.5	101.3	104.1	?	?	88.1	?	
22	?	?	?	?	?	?	?	?	103.1	?	93.5	82.4	74.5	65.2	62	62.1	66.4	64	58.7	60.7	68.3	77.6	82.6	91.6	100	102	77.3	?	
23	103.4	104.3	104.8	?	?	?	?	104.8	?	102.6	98.1	93.6	86.7	77.3	71	67.8	64.7	64.6	69.7	78.2	80.1	82.3	86.7	91.8	95.4	99.2	103.3	87.7	?
24	?	103.9	?	102.4	103.1	103.9	104.1	100.7	94.3	87.6	81.6	76	70.9	64.4	60.1	57	57.8	57.7	59.9	65.2	70.9	72.4	76.7	81.2	86.9	79.9	?	?	
25	86.3	87.6	91.9	95.5	97.4	98.2	92.3	88.1	85	84	81.9	77.2	72.6	75.3	79.7	81.8	84.5	84	85.9	91.8	97.2	100.6	101.9	102.3	88.5	?	?		
26	101.7	102.8	103.1	103.9	?	?	?	102.1	?	98.1	90.6	87.8	83.3	76.5	74.2	68	61.8	61.2	73.3	78	83.8	90.2	95	98.4	100.5	100.8	88	?	
27	103.9	104.6	?	?	?	?	?	103.6	?	98.3	91	82.6	71.8	64.3	62	60.5	60.2	58.8	58.2	62	75.8	83.7	83.6	83.9	85.6	88.1	79.1	?	
28	93.1	95.7	97	99.6	100.1	99	96.6	95	92.1	91.2	85.6	83.5	81.1	74.1	69.8	69.8	66	63.6	77.1	83.8	85	94.3	95.3	97.4	86.9	?	?		
29	99.4	99.4	98.9	99.9	99.6	96.2	92.6	89.7	85.7	80.3	75.3	73.1	70.9	67.7	65.1	72.4	99.2	?	103.6	?	?	?	?	?	?	?	87.2	?	
30	?	?	?	?	?	?	?	?	?	102.3	?	102.4	99.8	96.9	96.1	93.2	92.4	93	94.9	96	97.8	99.7	98.6	98.1	99.4	99.7	97.5	?	

Avg	99.3	99.7	99.7	100.8	100	99.5	98.6	95.9	91.7	87.6	82.2	78.9	76.9	75.2	74.1	75	78.8	80.9	85	89.2	92.7	96.1	97.1	98.2	88.3	?
S D	5.3	5.9	5.8	4.6	5.8	7.2	7.4	7	6.9	8.2	8.6	9.2	8.9	9.3	9.7	11.1	12.2	12.3	10.6	9.2	8.4	6.5	5.9	5	5.6	?
S/A	0.05	0.06	0.06	0.05	0.06	0.07	0.08	0.07	0.08	0.09	0.1	0.12	0.12	0.12	0.13	0.15	0.15	0.15	0.12	0.1	0.09	0.07	0.06	0.05	0.06	?
Min	86.3	87.2	82.9	86	82.2	76.2	70.6	70	71.9	69.3	69.1	64.3	62	60.1	57	57.8	57.7	59.9	65.2	70.9	72.4	76.7	81.2	86.9	77.3	?
Max	104.6	104.7	104.8	104.8	104.3	104.8	104	103.1	103.5	102.7	99.9	97.4	96.2	97.5	96.5	99.5	99.9	103.6	104.3	103.2	104.5	104.9	104.5	103.3	98.9	?
n	234	222	213	179	165	164	232	312	339	359	360	360	360	360	360	360	354	353	338	336	331	309	263	251	7114	?

Data Recovery: 0.0% missing; 0.0% untested; 17.7% 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**

**June 2010**

**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	22.8	22.3	22.1	22	22.1	22.1	22.2	23.2	26	27.8	28.6	29.8	30.1	31.2	32	32.3	32.4	31.7	30.8	28	25.9	24.7	24.2	23.8	26.6
2	23.3	22.9	22.5	22.1	21.8	21.8	22.5	23.4	24.9	26.3	28	31	33.3	34.4	34.7	34.3	31.7	30.5	27.8	25.7	24.4	23.6	23.3	23.2	26.5
3	22.9	22.7	22.5	22.6	22.8	22.8	23.6	25.8	28.8	30.3	31.2	32.8	34.1	33.6	33.1	34.9	35.3	34.8	33.4	30.4	28	26.6	25.8	25.1	28.5
4	24.6	23.9	23.4	23.2	22.9	22.9	23.8	26.7	31	34.2	36.3	37	36.6	36.6	36.6	36.6	35.6	32.7	30.2	28.3	27.2	26.7	26.4	26.1	29.6
5	25.7	25.5	25.4	25.4	25.4	25.1	25.4	27.3	30.8	33.3	34.8	36	36.5	36.4	36.3	36.9	37.5	37.1	35.6	32.8	30.3	28.7	27.6	27	30.9
6	26.6	26.3	26	25.7	25.3	25	26.5	29.4	31.9	34	35.6	36.2	36.1	36.5	37	37	37.3	37.3	36.1	33.7	31.6	29.4	25	23	31.2
7	22.4	22.1	21.9	21.6	20.8	20.3	21.7	24.5	26.9	29.8	32.2	32.2	31.1	30.6	28.9	28.4	28.8	27.3	24.8	23.1	21.8	20.6	19.8	18.8	25
8	18.4	18.1	17.9	18	17.9	18.4	20.5	24.8	28	28.2	29.3	31.2	31.6	31.4	30.5	30.2	30.5	29	27.3	24.5	21.7	20.2	19.2	18.7	24.4
9	18.1	17.3	17.1	16.8	16.6	17.5	19.4	21.5	22.2	22.7	23.2	25.4	28.4	30.1	30.5	30.9	30.5	29.5	28.5	27.8	27	26.5	26.1	25.1	24.1
10	24.4	24.3	24.3	24.1	23.8	23.7	23.9	24.6	26.3	28.8	32.6	35.5	36.4	36.5	36.7	36.7	36.2	33.6	31.6	28.4	25.9	24.5	23.5	22.9	28.7
11	22.6	22.4	22.4	22.4	22	21.8	22.7	25.6	28.5	31	32.5	33.7	33.8	33.5	34.1	34.8	34.8	33.3	30.5	26.9	23.7	22.1	21.4	21.1	27.4
12	21	20.9	20.9	20.7	20.5	20.6	21.9	25.8	29.4	32.3	34	34.8	34.8	35.1	36.1	36.8	37	37.2	35.3	31.7	29	27.3	26.3	26	29
13	25.6	25.6	25.7	25.3	23.8	23.4	23.8	25.8	28.7	30.4	32.2	33.7	34.9	35.5	36.4	37.4	37.9	37.7	36.4	33.6	31.5	30.2	28.9	27.6	30.5
14	26.5	25.5	24.8	24.3	24.1	24	25.8	29.2	32.7	35.5	37.7	38.6	36.5	34.2	34.5	35.8	36.4	35.7	33.5	30.4	27.8	26.7	26.2	25.7	30.5
15	25.6	25.3	24.9	24.5	24.2	24	25.7	28.5	31.7	33.7	35.3	36.1	36	36	36.3	36.1	35.6	33.5	30.4	27.1	25	24.3	24	23.9	29.5
16	23.9	23.9	23.9	23.6	23.5	23.7	24.1	24.3	23.9	26.6	30.4	32.6	34	33.9	33.6	33.9	31.5	28.7	26.3	24.7	23.8	23.4	23.2	23.2	26.9
17	23.2	23	22.9	22.7	22.7	22.8	23.6	26	29.2	32.6	36	37.8	37.5	36.3	36.5	37	37.3	36.7	35.5	33.1	29.3	27	25.8	25.1	30
18	24.2	23.5	23	22.5	21.8	21.6	23.6	26.5	29.2	31.7	33.5	34.7	34.4	33.8	34	33.7	33.1	31.9	30.1	27.1	24.4	23.2	22.5	22.1	27.8
19	21.9	21.7	21.4	21.5	21.6	22	24.2	27.1	29	31.1	31.9	33.1	33.8	34	34.4	35.1	34.9	33.9	32.2	30.1	27.8	26.4	25.5	24.9	28.3
20	24.4	24.1	23.8	23.4	23.1	23.2	24.6	28.1	32.1	35.2	37	37.8	37.7	37.9	37.8	33.6	29	31	31.1	29	27	26.1	25.5	25.1	29.5
21	24.5	23.9	23.3	23.1	22.9	22.9	24.8	28.7	32.7	35.8	38	38.9	38.9	37.1	36.3	35.9	36.3	35.3	34	31.6	29.5	28.2	27.3	26.7	30.7
22	26.3	26.1	26.1	26	25.5	25.1	26	28.9	33.8	38.4	40.8	41.8	41.6	41.2	40.4	39	39.5	39.8	37.9	34.5	31.2	29.3	28.5	28	33.1
23	27.4	26.9	26.5	26	25.6	25.6	27	29.8	32.8	35.7	38.2	39.8	40.4	40.3	40.9	41.1	38.8	35.3	32.7	31	29.4	28.3	27.6	26.9	32.2
24	26.3	26	26	25.7	25.1	24.7	26	29.3	32.8	35.5	37.9	39	39.5	39.8	40.6	41.3	41.4	40.8	38.8	35.7	33.5	32	30.7	30	33.3
25	29.4	28.7	27.3	25.9	25.2	24.8	26.1	28.5	31.6	33.3	34.8	37.5	39.2	39.2	38.1	36.9	36.3	34.9	33.3	30.5	28.4	27.3	26.8	26.5	31.3
26	26	25.7	25.4	25.4	25.5	25.5	26.5	28.2	30.5	32.8	34.5	36.3	36.8	36.9	38.3	39.6	38.8	36.4	35.4	33.3	31	29.5	28.6	28	31.4
27	27.3	26.8	26.4	26.1	25.7	25.4	26.7	29.7	33.2	36.4	38.5	39.9	40.4	40.4	40.4	40.5	41.1	40.7	38.9	35.5	32.5	30.8	29.5	28.4	33.4
28	27.4	26.4	25.7	25.1	24.7	24.7	26.4	29.4	31.9	33.6	35.2	36.7	37	37.5	38.2	38.8	39.3	39.4	38.6	35.7	33	31.6	30.5	29.8	32.4
29	29.2	28.5	28.2	27.8	27.4	27.1	27.5	29.2	32	34.8	37.1	38.5	39.2	39.3	40.3	39.9	33.8	27.9	25.7	24.4	23.8	23.8	24	23.9	30.5
30	23.6	23.4	23.4	23.5	23.5	23.6	23.7	23.9	23.7	22.7	22.9	26.1	27	27.2	27.9	27.7	26.5	25.1	24	23.3	22.7	22.4	22.2	22.1	24.2
Avg	24.5	24.1	23.8	23.6	23.3	23.2	24.3	26.8	29.5	31.8	33.7	35.1	35.6	35.5	35.7	35.8	35.2	34	32.2	29.7	27.6	26.4	25.5	24.9	29.2
S D	2.7	2.6	2.5	2.4	2.3	2.1	2	2.3	3.1	3.9	4.3	3.9	3.5	3.3	3.4	3.5	3.7	4.1	4.2	3.8	3.4	3.1	2.9	2.8	2.7
S/A	0.11	0.11	0.11	0.1	0.1	0.09	0.08	0.09	0.11	0.12	0.13	0.11	0.1	0.09	0.1	0.1	0.11	0.12	0.13	0.13	0.12	0.12	0.11	0.11	0.09
Min	18.1	17.3	17.1	16.8	16.6	17.5	19.4	21.5	22.2	22.7	22.9	25.4	27	27.2	27.9	27.7	26.5	25.1	24	23.1	21.7	20.2	19.2	18.7	24.1
Max	29.4	28.7	28.2	27.8	27.4	27.1	27.5	29.8	33.8	38.4	40.8	41.8	41.6	41.2	40.9	41.3	41.4	40.8	38.9	35.7	33.5	32	30.7	30	33.4
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% 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.

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

**June 2010**

**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	3.1	3	3	2.8	2.9	2.8	2.7	3.1	3.5	3.6	3.9	3.7	4	3.9	3.7	3.8	4.3	4.7	3.7	2.6	1.8	2.5	2.4	2.3	3.2
2	2.5	2.8	1.7	1.6	0.8	1.5	1.5	1.8	1.6	1.3	1.2	2.2	1.8	2.7	3.5	4.4	3.3	3.5	3.2	1.9	1.8	0.6	2	2.2	2.1
3	1.6	1.2	2.7	2.8	2.6	2.2	1.7	2.6	3.1	3.1	3.4	3.4	3.5	3.1	2.5	2.6	3.1	3.4	2.6	1.3	1.7	1.6	1.8	1.9	2.5
4	1.1	0.7	1.4	1.2	1.6	1.6	1.3	1.7	1.7	2	2.5	2.2	2.4	2.1	2.3	2.1	4.1	2.9	3	1.7	2.4	2.6	2.6	2.3	2.1
5	1.3	1.6	2.1	2.3	2.5	1.8	2.3	3	3.3	3.4	3.5	3.8	4	3.7	3	2.8	2.6	2.6	1.5	1.2	1.4	1.7	1.9	2.1	2.5
6	2.1	2.2	1.7	1.8	1.2	1.3	2.6	3.6	3.7	3.7	4.2	5.5	5.1	5.4	5.4	5.2	4.5	4.9	3.3	2.3	1.9	4.4	1	0.1	3.2
7	0.3	0.4	0.5	2.2	2.6	2.1	2.4	2.3	1.9	1.4	2.3	2.7	2.3	2.6	2.4	2.1	2.6	2.3	0.3	0.4	0.3	1.1	0.2	0.5	1.6
8	0.2	0.2	0.2	0	0	0	0.3	1.1	2.1	2.6	2.6	2.7	2.4	2.8	2.8	2.5	3.4	3	2.5	1.3	0.9	0.7	0.9	0.8	1.5
9	0.3	0.7	0.4	0.4	1.2	2.3	2.5	2.6	2	2.5	3	4.3	4	4	3.2	3.6	3	2.5	3.5	4.2	4.9	5.2	4.8	4	2.9
10	3.9	4	3.6	3.2	3.5	3.4	3.7	3.4	3.3	2.9	2.2	1.8	1.6	2.6	2.7	2.3	2.8	2.4	2.4	1.7	1.7	1.8	1	0.4	2.6
11	0.2	0.6	0.6	0.4	0.6	1.1	1.9	3	3.4	3.4	3	3.2	3.2	2.7	2.7	2.7	2.8	3.4	2.4	2.8	2	1.6	1.2	1.8	2.1
12	1.4	1.8	0.9	0.7	1	0.3	1.4	1.9	1.9	2.4	2.6	2.9	3	3.2	3.5	3.3	2.6	2.7	3.2	2.2	1.5	1.4	3.1	3	2.2
13	3.3	3.8	3.3	1.2	0.8	1.6	2	3.2	4.1	4.7	4.2	3.5	4.1	3.3	3.1	3.4	3.1	2.6	1.8	1	1.5	1	0.6	0.8	2.6
14	1	1.1	1.2	1.5	0.2	0.6	0.8	1	1.8	2	1.6	1.8	2.4	2.6	2.8	2.8	2.5	3.1	2.7	2.3	1.8	1.7	1.8	1.6	1.8
15	1.9	0.1	0	0	0	0.3	2.3	2.1	2.2	2.5	1.8	2.6	2.9	2.8	3.1	3.1	3.3	3.4	3.2	3.1	3.5	3.4	3.2	2.2	2.2
16	2.3	1.7	1.7	2.2	1.9	2.2	1.7	1.4	2.2	2.8	3	2.3	2.7	3.1	3.7	3.5	2.4	2	2.5	2.4	2.2	1.6	0.8	1.5	2.2
17	0.8	0.6	0.1	0.5	0.5	0.8	2.1	2.6	1.8	1.2	1	1.9	2.1	2.6	2.5	2.1	1.6	1.4	1	0.5	1	2.5	2	1	1.4
18	0.9	1.3	1.9	1.2	1	1.3	2.2	2.9	2.4	2.3	1.9	3.1	2.6	2.9	3.3	3.5	3.7	3.2	3	1.9	2.5	2.3	1.5	1	2.2
19	1	0.4	1.1	0.6	0.5	1.1	2.2	3.3	2.8	2.9	2.5	3.4	3.3	3.8	4.4	5.1	4.1	4.2	3.4	2.1	1.7	1.2	1.1	0.6	2.4
20	0.1	0.2	0.5	0.4	0.2	0.2	0.6	1.4	1.7	2.1	2.4	2.4	2.8	2.7	3.4	3.2	2.1	3.2	2.9	1.5	1.8	2.3	2.3	0.9	1.7
21	0.1	0	1.2	1.2	1	0.4	1.3	1.3	1.7	1.8	2.1	2.5	3.3	3.1	2.9	3.1	2.8	3	2.2	1.6	1.2	0.8	0.7	0.6	1.7
22	0.8	1.3	0.6	0.6	0	0	0.5	0.5	0.2	0.9	0.7	0.8	1.2	1.6	1.4	2.1	2	1.2	1	0.4	0.7	1.2	1.7	1.6	1
23	1.6	1.1	1	0.6	1.1	1.5	2	2.7	2.5	2.1	2.1	2.1	2.2	1.9	1.5	2.1	3	2.9	2.2	1.3	1.5	1	0.8	0.3	1.7
24	0.5	1.7	1.9	1.4	1.2	1.3	1.7	2.2	2.3	2.3	2.9	3.2	3.3	3.1	3.2	3.2	3.6	3.3	2.1	2.2	1.7	0.6	0.6	1	2.1
25	1.9	1.9	0.2	0.3	0.9	0.5	0.9	2	2.5	2.4	1.8	1.3	1.2	2.1	2.8	2.8	3.4	3	2	1.4	1.2	1.2	1.1	0.3	1.6
26	0.2	0	0	0.2	0.9	2.4	3.5	4.5	3.7	4	2.8	2.8	3.2	2.3	2.5	2.8	3	3.2	2.3	2.2	1.8	1.9	1.5	1.5	2.2
27	1.9	1.6	1.9	1.3	1	1.4	2.3	2.2	2.1	2.3	2.5	2.8	2.7	3	2.8	3	3	2.8	3.3	3.9	3.5	3.2	2.9	2.6	2.5
28	1.7	2.9	2.6	2.4	2.5	2.5	2.4	3.3	3.7	4.3	3.3	4.3	4.4	4.4	4.4	4.2	3.7	3.1	2.5	2.6	3.1	3.4	3.9	4	3.3
29	2.9	2.4	2.7	2.5	2.2	2.4	3.3	3.4	2.7	2.5	2.7	3	2.7	2.4	2.2	2	2.7	1.2	2.3	2.4	1.1	1.7	2.2	0.9	2.4
30	0.9	0.6	1.2	0.8	0	0	0.4	0.7	2.5	1.7	2	2.9	3.7	2.8	3.1	2.9	2.4	2.3	1.5	1.4	1.6	1	0.2	1	1.6
Avg	1.4	1.4	1.4	1.3	1.2	1.4	1.9	2.4	2.5	2.6	2.5	2.8	2.9	3	3	3.1	3	2.9	2.4	1.9	1.9	1.9	1.7	1.5	2.2
S D	1	1.1	1	0.9	1	0.9	0.9	1	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.8	0.9	0.9	1.1	1.1	1	0.6
S/A	0.74	0.79	0.74	0.72	0.79	0.67	0.46	0.41	0.34	0.36	0.34	0.33	0.32	0.26	0.27	0.27	0.23	0.29	0.33	0.46	0.5	0.58	0.63	0.68	0.26
Min	0.1	0	0	0	0	0	0.3	0.5	0.2	0.9	0.7	0.8	1.2	1.6	1.4	2	1.6	1.2	0.3	0.4	0.3	0.6	0.2	0.1	1
Max	3.9	4	3.6	3.2	3.5	3.4	3.7	4.5	4.1	4.7	4.2	5.5	5.1	5.4	5.4	5.2	4.5	4.9	3.7	4.2	4.9	5.2	4.8	4	3.3
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 2010**

**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	193	192	193	192	192	193	199	204	201	214	199	205	199	194	184	181	186	188	188	191	188	192	188	191	194
2	194	194	198	199	216	238	236	243	256	251	202	155	157	154	172	160	178	182	188	199	192	201	194	186	190
3	187	196	192	190	186	183	202	217	221	228	219	206	220	215	236	219	201	202	238	211	198	205	201	221	209
4	226	212	236	216	197	224	215	199	232	229	218	204	179	186	182	173	146	168	185	170	182	188	190	191	192
5	211	198	195	193	192	206	217	229	233	225	216	227	223	231	254	241	226	225	200	190	180	175	191	189	216
6	191	192	195	198	206	202	208	211	210	211	222	232	232	232	235	231	239	240	242	224	213	320	315	316	228
7	248	299	290	321	329	322	334	355	5	6	327	5	50	66	82	97	120	66	92	129	153	152	145	150	23
8	156	184	220	0	221	0	286	292	292	344	15	14	20	54	61	63	94	90	77	90	88	97	110	125	52
9	140	121	125	135	143	130	130	133	130	124	125	151	158	158	179	181	178	177	189	188	188	189	192	190	166
10	199	204	217	220	224	225	234	250	259	271	297	304	251	253	259	261	62	74	72	69	68	70	80	82	235
11	114	267	354	6	8	4	359	21	28	23	25	50	55	42	53	52	46	63	67	69	79	93	109	98	47
12	108	111	119	97	93	87	137	139	154	154	168	166	178	171	183	189	182	180	185	181	203	172	185	187	168
13	187	190	218	227	174	190	217	232	245	258	258	269	263	263	250	254	249	260	270	266	271	267	287	273	244
14	241	229	253	282	268	273	295	347	19	5	38	89	103	116	104	97	110	116	122	123	128	158	167	185	114
15	191	230	216	324	300	314	343	357	12	10	31	33	41	34	43	38	50	48	59	56	68	72	73	71	45
16	83	96	92	95	90	79	92	42	63	83	118	143	120	93	129	141	183	256	236	210	194	219	201	194	126
17	205	236	198	235	236	240	256	282	298	316	288	304	270	292	290	290	288	300	303	307	42	63	62	53	295
18	16	348	358	29	48	48	62	59	58	63	51	84	102	83	92	87	94	95	97	98	93	101	111	123	78
19	122	122	128	123	98	106	104	123	125	141	128	136	136	135	135	132	141	137	138	141	146	159	165	151	134
20	180	195	221	202	203	201	205	232	196	221	227	238	240	205	188	133	162	186	185	173	190	196	197	223	198
21	316	245	263	265	269	272	298	312	6	42	103	103	87	91	90	115	103	103	97	88	65	71	73	62	86
22	81	96	119	138	122	160	217	206	256	254	169	241	262	234	199	183	243	244	236	202	199	180	192	192	205
23	195	202	200	209	219	223	222	242	261	279	304	321	308	304	295	114	90	79	76	70	102	131	157	190	233
24	216	244	255	246	228	228	226	248	249	258	255	254	251	247	234	244	255	253	237	222	222	220	207	240	244
25	323	355	340	149	294	299	315	337	6	14	23	17	31	60	61	55	70	86	84	89	83	81	118	103	42
26	132	79	85	41	66	76	101	123	133	146	143	132	143	181	171	150	130	122	139	165	164	161	194	198	140
27	195	199	197	199	209	217	224	219	225	221	221	216	228	239	220	209	221	201	178	184	192	194	197	198	208
28	203	196	199	194	196	197	198	202	194	185	188	186	193	214	222	230	225	221	192	190	189	189	192	192	200
29	198	220	225	227	222	218	227	228	230	226	229	248	257	257	255	217	348	56	170	186	193	193	200	242	225
30	260	163	199	215	218	192	226	308	15	11	18	28	32	25	11	25	24	26	29	36	21	17	1	350	19
Avg	192	195	207	207	202	201	213	224	233	228	209	196	191	189	183	167	156	155	162	162	163	165	175	184	185
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 2010**

**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	5.1	5.1	5.1	4.9	5.1	4.6	5.1	5.4	6.2	6.7	6.9	6.7	6.9	6.5	6.3	6.7	7.5	7.6	6.2	4.1	3.1	4.2	4	3.7	5.6
2	3.8	4.5	3.1	2.8	2	3.1	2.8	3.3	3	2.4	2.7	3.7	3.4	5	6	7.5	5.6	5.5	5	3.2	3	1.4	3.3	3.6	3.7
3	3	2.4	4.6	4.8	4.4	3.8	3.4	4.8	5.5	5.3	5.8	6	6.6	5.1	4.6	4.8	5.4	5.9	4.6	2.4	2.8	2.6	3.1	3.3	4.4
4	2.1	1.8	2.6	2.5	2.9	3.3	2.8	3.4	3.4	3.7	4.3	4.1	4.3	4.1	3.9	3.9	6.9	5.1	4.8	3.3	3.9	4.3	4.3	3.8	3.7
5	2.8	3	4	4	4.2	3.5	4.2	5.3	6	5.9	6.2	6.4	7.3	7	5.4	5	5	4.9	2.6	2.1	2.3	3	3.2	3.3	4.4
6	3.5	3.8	3.1	3	2.5	3.1	5.1	6.7	6.6	7	7.7	9.7	9.4	10.1	9.6	9.4	7.9	8.9	5.6	3.8	3.3	8.6	2.4	0.7	5.9
7	1.2	1.6	1.8	4.2	4.8	4.4	4.9	4	4	3	4.9	4.7	4.2	4.5	4.4	4	4.4	3.9	1	0.9	0.8	1.9	0.5	1.1	3.1
8	0.7	0.7	0.6	0	0	0	1.1	2.5	4	4.7	4.7	5.1	4.5	5.1	4.9	4.5	5.7	4.8	4.2	2.7	1.7	1.5	1.9	1.7	2.8
9	0.8	1.5	0.9	1	2.4	3.7	4	4.4	3.4	4	4.9	7.2	7.1	6.3	5.6	6.1	5.5	4.6	6	7.2	8	8.5	8	6.7	4.9
10	6.9	7.8	7.2	6.8	6.7	6	6.7	6.1	6.1	6.2	4.9	3.7	3.2	5	5.1	4.7	4.9	4.3	4.3	3	3	3	2.1	1.1	5
11	0.8	1.8	1.4	1.2	1.4	2.4	3.6	5.6	5.8	6	5.2	5.2	5.5	5	4.7	4.6	5	5.7	4	4.6	3.6	2.9	2.3	3	3.8
12	2.5	2.9	1.7	1.5	2	0.8	2.7	3.4	3.4	4.2	4.4	5	4.9	5.4	5.9	5.7	4.5	4.7	5.3	3.9	2.9	2.8	5.1	4.9	3.8
13	5.5	6.3	5.9	2.6	2.4	3.3	4.3	6.3	7.2	8.1	7.6	6.6	7.1	6.3	5.7	6.2	6	5	3.6	2.3	2.8	2.4	1.4	2	4.9
14	2.1	2.4	2.4	3.2	1.1	1.8	2.1	2.2	3.5	3.6	3.2	3.3	3.7	4.3	4.7	4.7	4.1	4.7	4.3	3.9	3.1	3.2	3.3	2.9	3.2
15	3.4	0.6	0.3	0	0	1.2	4	3.9	3.8	4.4	3.5	5	5.3	5.2	5.7	5.5	6	5.8	5.7	5.4	5.8	5.5	5.6	3.9	4
16	4.1	3.2	3.3	3.8	3.5	3.8	3.5	3.2	4.1	4.8	4.9	4.1	4.6	5.1	5.9	5.6	4.4	3.8	4.6	5.1	4.1	3.3	1.9	2.9	4.1
17	2.1	1.8	0.7	1.5	1.4	2	4.3	5.1	4.3	2.9	2.5	4.1	4.2	5	5	3.9	3.6	3.1	2.3	1.3	1.9	4.2	3.5	1.7	3
18	1.6	2.3	3.2	2.6	1.9	2.4	4	4.8	4.4	4.2	3.6	5	4.9	4.9	5.8	5.7	5.9	5.2	5	3.6	4.5	3.9	3	2.1	3.9
19	2	1.1	2	1.5	1.4	2.3	3.8	5.2	4.8	4.7	4.3	5.7	5.6	6.3	7.3	8.4	6.7	6.9	5.8	3.9	3	2.2	2.2	1.4	4.1
20	0.7	1	1.7	1.2	0.9	1	1.7	3	3.1	4	4.8	4.7	5.5	4.8	5.7	5.6	3.8	5	4.9	2.8	3.2	3.7	3.6	1.8	3.3
21	0.6	0.4	2.4	2.3	2.2	1.5	2.8	3	3.2	3.3	3.9	4.1	5.6	5.1	4.5	4.7	4.5	4.7	3.7	2.9	2.5	1.8	1.6	1.6	3
22	1.9	2.3	1.7	1.3	0.1	0.2	1.2	1.5	1	2.1	2	2.3	2.7	3.3	2.7	4	3.9	2.3	2	1.2	1.5	2.5	3	2.8	2.1
23	3.1	2.7	2.4	1.8	2.8	3.2	4.1	4.7	4.5	4.1	4.2	4.1	4.6	4.1	3.3	3.9	4.9	4.7	3.7	2.4	2.5	1.8	1.7	1	3.4
24	1.4	3	3.8	3.1	2.1	2.6	3.3	4.2	4.2	4.6	5.1	6.2	5.7	5.7	6.4	6.3	7	5.9	3.7	4.2	3.5	1.5	1.4	2.1	4
25	3.6	3.6	0.6	0.7	1.7	1.5	2.1	3.5	4.4	4.3	3.5	2.9	2.6	3.8	4.6	4.9	5.7	4.9	3.3	2.6	2.3	2.1	2	1	3
26	0.8	0.1	0.1	0.7	2.1	4.3	6.1	7.1	6	6.4	5	4.9	5.5	4.3	4.5	5.1	4.9	4.9	3.9	3.8	3.2	3.2	2.8	2.6	3.9
27	3.2	2.8	3.2	2.7	2.3	2.8	4.1	3.8	3.5	4.2	4.9	5.3	5.2	5.7	5.4	5.4	5.4	4.8	5.9	6.7	5.7	5.5	5	4.7	4.5
28	3.3	4.9	4.8	4	4.5	4.3	4.5	6.2	6.5	7.1	6	7.3	7.6	7.4	7.7	7.1	6.5	6	4.3	4.5	5.1	5.3	6.4	6.5	5.7
29	5.3	4.4	4.9	4.4	4.2	4.5	5.8	6	4.9	4.5	4.7	5.5	5.2	4.7	4.5	4.4	4.8	2.6	4.3	4.5	2.7	3.2	4.4	2.2	4.5
30	2.3	1.4	2.7	2	0.2	0.2	1.3	1.8	4.7	3.8	4.4	5.6	6.6	5.2	5.6	4.9	4.4	4	3	2.6	3.1	2.1	0.8	1.8	3.1
Avg	2.7	2.7	2.7	2.5	2.4	2.7	3.6	4.4	4.5	4.7	4.7	5.1	5.3	5.3	5.4	5.4	5.4	5	4.3	3.5	3.3	3.4	3.1	2.7	4
S D	1.6	1.8	1.7	1.6	1.6	1.5	1.4	1.5	1.4	1.5	1.3	1.5	1.5	1.3	1.3	1.3	1.1	1.3	1.3	1.4	1.4	1.8	1.7	1.5	0.9
S/A	0.6	0.66	0.63	0.63	0.67	0.55	0.39	0.34	0.3	0.31	0.29	0.29	0.29	0.24	0.24	0.25	0.21	0.26	0.3	0.41	0.43	0.53	0.54	0.56	0.23
Min	0.6	0.1	0.1	0	0	0	1.1	1.5	1	2.1	2	2.3	2.6	3.3	2.7	3.9	3.6	2.3	1	0.9	0.8	1.4	0.5	0.7	2.1
Max	6.9	7.8	7.2	6.8	6.7	6	6.7	7.1	7.2	8.1	7.7	9.7	9.4	10.1	9.6	9.4	7.9	8.9	6.2	7.2	8	8.6	8	6.7	5.9
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% 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.

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 2010**

**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	1016	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1014	1013	1012	1011	1011	1010	1010	1010	1011	1011	1011	1011	1011	1011	1013
2	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1012	1011	1010	1010	1009	1009	1008	1009	1009	1008	1008	1009	1008	1008	1008	1010
3	1008	1008	1007	1007	1007	1007	1008	1008	1008	1008	1008	1008	1008	1008	1007	1006	1006	1006	1007	1007	1008	1008	1009	1009	1008	1008
4	1009	1008	1009	1009	1009	1010	1010	1011	1011	1011	1011	1010	1010	1009	1009	1008	1009	1009	1009	1009	1010	1010	1010	1010	1010	1009
5	1010	1009	1009	1009	1009	1009	1009	1010	1010	1010	1010	1009	1009	1008	1008	1008	1007	1007	1007	1008	1008	1008	1008	1008	1007	1009
6	1007	1006	1005	1005	1006	1006	1006	1006	1006	1005	1005	1004	1003	1002	1001	1001	1000	1000	1000	1000	1001	1001	1004	1004	1004	1003
7	1005	1005	1005	1006	1007	1007	1008	1009	1010	1010	1010	1011	1010	1011	1011	1011	1011	1012	1012	1013	1013	1014	1014	1014	1014	1010
8	1014	1014	1014	1014	1015	1015	1016	1016	1017	1018	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1017
9	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1017	1016	1015	1014	1013	1012	1012	1011	1011	1011	1011	1011	1011	1016
10	1011	1010	1010	1010	1010	1011	1011	1012	1012	1012	1012	1012	1011	1010	1010	1010	1010	1010	1010	1011	1012	1012	1012	1012	1012	1011
11	1012	1013	1013	1013	1013	1014	1015	1016	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1020	1019	1019	1019	1017
12	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1019	1018	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1014	1017
13	1014	1013	1013	1013	1013	1012	1012	1012	1012	1012	1012	1011	1011	1010	1010	1009	1009	1008	1008	1009	1009	1009	1010	1010	1009	1011
14	1010	1009	1009	1008	1009	1009	1009	1010	1010	1010	1011	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010
15	1010	1010	1010	1011	1011	1011	1012	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1017	1017	1017	1014
16	1017	1017	1017	1016	1017	1017	1017	1018	1018	1017	1017	1017	1017	1017	1016	1015	1014	1014	1015	1015	1014	1013	1013	1013	1013	1016
17	1013	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1012	1013	1014	1014	1014	1014	1012
18	1014	1014	1014	1014	1015	1016	1017	1017	1017	1018	1018	1018	1017	1017	1017	1017	1017	1017	1017	1016	1017	1017	1017	1017	1017	1016
19	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1016
20	1014	1014	1013	1013	1013	1013	1014	1014	1014	1013	1013	1013	1012	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1013	1013
21	1013	1013	1013	1013	1013	1014	1015	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1016	1017	1017	1016	1015
22	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1016	1016	1016	1016	1015	1016	1016	1016	1016	1016	1016
23	1016	1016	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1015
24	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1010	1010	1010	1009	1010	1010	1010	1010	1011	1011	1012	1011
25	1012	1012	1012	1012	1013	1013	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1014	1014	1013	1014	1014	1014	1014	1014
26	1013	1013	1012	1012	1012	1013	1013	1014	1014	1013	1013	1013	1012	1012	1011	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1011
27	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1008	1007	1006	1006	1006	1006	1006	1006	1007	1007	1007	1007	1008
28	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1006	1006	1006	1006	1005	1004	1004	1005	1006	1006	1007	1007	1008	1007
29	1008	1008	1008	1009	1009	1010	1010	1011	1011	1011	1011	1011	1011	1011	1011	1010	1010	1011	1012	1012	1013	1013	1013	1013	1013	1011
30	1012	1013	1013	1013	1014	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1016
Avg	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1011	1012	1012	1012	1012	1013	1012	1012	1012
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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	1005	1005	1005	1005	1006	1006	1006	1006	1005	1005	1004	1003	1002	1001	1001	1000	1000	1000	1000	1001	1001	1004	1004	1004	1004	1003
Max	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1020	1019	1019	1017
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 2010**

**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	12.7	12.7	12.7	12.6	12.6	12.6	12.7	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.7	12.9
2	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13	13.2	13.2	13.2	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
3	12.7	12.7	12.7	12.7	12.7	12.7	13	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	13	13	12.9	12.8	12.8	12.8	12.8	12.7	12.9
4	12.7	12.7	12.7	12.7	12.6	12.6	13	13.2	13.1	13	13	13	13	13	13	13	13	13	12.8	12.8	12.8	12.7	12.7	12.7	12.9
5	12.7	12.7	12.6	12.6	12.6	12.6	13	13.2	13.1	13	13	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
6	12.7	12.6	12.6	12.6	12.6	12.7	13.1	13.1	13.1	13	13	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
7	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.1	13	12.8	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	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.9
9	12.7	12.7	12.7	12.7	12.7	12.7	13.2	13.3	13.2	13.2	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.8	13
10	12.8	12.8	12.7	12.7	12.7	12.7	12.8	13.2	13.2	13.1	13	13	13	13	13	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.9
11	12.7	12.7	12.7	12.6	12.6	12.7	13.1	13.2	13.1	13.1	13.1	13	13.1	13.1	13	13	13.1	13	12.9	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	13	13	13	13	13	13	13	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	13.2	13.2	13.1	13.1	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
14	12.7	12.7	12.6	12.6	12.6	12.6	13	13.1	13.1	13	13	13	13	13.1	13	13	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
15	12.7	12.6	12.6	12.6	12.6	12.6	13	13.1	13.1	13	13	13	13	13	13	13	13	13	12.9	12.8	12.7	12.7	12.7	12.7	12.9
16	12.7	12.7	12.6	12.6	12.6	12.6	12.8	12.6	13.1	13.2	13.1	13.1	13	13.1	13.1	13	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.6	12.8
17	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
18	12.7	12.6	12.6	12.6	12.6	12.6	13	13.2	13.1	13.1	13	13	13	13	13	13.1	13.1	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	13.1	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
20	12.7	12.7	12.7	12.7	12.6	12.6	13.1	13.2	13.1	13	13	13	13	13	13	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.9
21	12.7	12.7	12.7	12.6	12.6	12.6	13	13.1	13	13	13	12.9	13	13	13	13	13	13	12.9	12.8	12.7	12.7	12.7	12.7	12.9
22	12.7	12.6	12.6	12.6	12.6	12.6	13	13.1	13	12.9	12.9	12.9	12.9	12.9	12.9	13	13	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.8
23	12.6	12.6	12.6	12.6	12.6	12.6	13	13.1	13	13	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.8
24	12.6	12.6	12.6	12.6	12.6	12.6	13	13.1	13	13	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.8
25	12.6	12.6	12.6	12.6	12.6	12.6	13	13.1	13.1	13	13	12.9	12.9	13	13	13	13	13	12.8	12.7	12.7	12.7	12.7	12.7	12.8
26	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.1	13.1	13	13	13	13	13	13	12.9	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.8
27	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.1	13	13	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.8
28	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.1	13.1	13	13	13	13	13	13	13	13	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.8
29	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.1	13.1	13	13	12.9	12.9	12.9	12.9	12.9	13	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.8
30	12.6	12.6	12.6	12.6	12.5	12.5	12.6	12.6	12.7	12.8	13.3	13.2	13.2	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.8
Avg	12.7	12.7	12.6	12.6	12.6	12.6	13	13.1	13.1	13.1	13	13	13	13	13	13	13	13	12.8	12.8	12.8	12.7	12.7	12.7	12.9
S D	0	0	0	0	0	0	0.1	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	0.01	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	12.5	12.5	12.6	12.6	12.7	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.6	
Max	12.8	12.8	12.7	12.7	12.7	12.7	13.2	13.3	13.2	13.2	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.1	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.