

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

April 2012

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	1	28	188	322	504	617	464	543	599	571	556	327	115	7	0	0	0	0	0	4842
2	0	0	0	0	0	4	44	118	378	621	832	910	923	874	750	565	348	130	16	0	0	0	0	0	6514
3	0	0	0	0	0	5	87	291	507	694	833	910	919	843	734	549	333	113	3	0	0	0	0	0	6820
4	0	0	0	0	0	7	69	237	321	397	640	868	802	802	676	527	100 ?	47 ?	19	0	0	0	0	0	5512
5	0	0	0	0	0	5	42	167	367	299	292	166	303	237	153	177	96	36	7	0	0	0	0	0	2348
6	0	0	0	0	0	1	11	43	76	114	181	256	346	450	747	577	364	146	18	0	0	0	0	0	3330
7	0	0	0	0	0	8	103	316	532	726	859	938	942	886	761	580	362	141	18	0	0	0	0	0	7173
8	0	0	0	0	0	9	118	329	488	530	735	760	926	876	753	570	353	134	15	0	0	0	0	0	6596
9	0	0	0	0	0	12	104	311	526	711	848	924	931	873	747	564	350	136	20	0	0	0	0	0	7057
10	0	0	0	0	0	11	91	297	439	431	413	814	837	751	689	460	239	103	16	0	0	0	0	0	5592
11	0	0	0	0	0	11	108	319	532	716	850	858	508	454	351	232	282	119	17	0	0	0	0	0	5355
12	0	0	0	0	0	16	122	334	549	724	754	881	888	762	790	422	225	121	20	0	0	0	0	0	6609
13	0	0	0	0	0	11	74	270	462	633	808	895	683	708	650	584	347	135	23	0	0	0	0	0	6283
14	0	0	0	0	0	19	147	318	527	726	863	942	891	840	684	556	346	148	17	0	0	0	0	0	7022
15	0	0	0	0	0	8	103	311	501	682	834	897	918	833	652	554	339	132	32	0	0	0	0	0	6795
16	0	0	0	0	0	17	111	329	534	709	836	907	913	854	745	569	363	153	25	0	0	0	0	0	7066
17	0	0	0	0	0	17	122	320	519	658	821	894	894	834	712	537	307	97	36	0	0	0	0	0	6768
18	0	0	0	0	0	18	84	195	306	598	866	633	912	735	603	336	138	93	15	0	0	0	0	0	5532
19	0	0	0	0	0	4	28	55	95	135	157	202	304	251	210	221	220	141	28	0	0	0	0	0	2051
20	0	0	0	0	0	8	65	180	528	750	807	939	944	889	743	585	376	165	29	0	0	0	0	0	7009
21	0	0	0	0	0	17	83	186	341	592	832	920	832	828	733	575	362	144	21	0	0	0	0	0	6465
22	0	0	0	0	0	2	14 ?	42 ?	45 ?	67	97	83 ?	78 ?	89	163	70	53	32	11	0	0	0	0	0	848 ?
23	0	0	0	0	0	23	70	218	281	312	323	394	431	461	499	265	88	111	7	0	0	0	0	0	3482
24	0	0	0	0	0	26	148	377	591	773	905	841	899	919	787	550	307	187	28	0	0	0	0	0	7338
25	0	0	0	0	0	27	168	382	580	763	901	908	926	716	742	516	397	151	22	0	0	0	0	0	7197
26	0	0	0	0	0	1	1 ?	105	466	723	812	894	376	334 ?	323	147	110	87	34	0	0	0	0	0	4412 ?
27	0	0	0	0	0	23	102	147	282	636	862	910	845	713	538	497	396	188	33	0	0	0	0	0	6171
28	0	0	0	0	0	8	36	74	276	240	316	177	235	133	67 ?	375	122 ?	14 ?	5	0	0	0	0	0	2078 ?
29	0	0	0	0	0	6	54	216	201	185	297	425	163	265	295	317	240	137	36	0	0	0	0	0	2837
30	0	0	0	0	0	27	134	374	535	468	750	766	929	746	637	389	224	163	33	0	0	0	0	0	6174
Avg	0	0	0	0	0	12	82	235	404	537	665	712	701	652	583	447	271	121	20	0	0	0	0	0	5443
S D	0	0	0	0	0	8	44	105	155	219	261	286	285	256	219	155	108	43	10	0	0	0	0	0	1876
S/A	0	0	0	0	0	0.68	0.53	0.45	0.38	0.41	0.39	0.4	0.41	0.39	0.38	0.35	0.4	0.36	0.47	0	0	0	0	0	0.34
Min	0	0	0	0	0	1	1	42	45	67	97	83	78	89	67	70	53	14	3	0	0	0	0	0	848
Max	0	0	0	0	0	27	168	382	591	773	905	942	944	919	790	585	397	188	36	0	0	0	0	0	7338
n	0	0	0	0	0	183	345	350	354	359	360	356	352	357	354	359	340	348	215	0	0	0	0	0	4632

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.8% exceed the 15% QC threshold -- 4718 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.

April 2012

Direct Normal Solar Radiation
 Hourly Integrated and Daily Totals
 Instrument: Eppley NIP
 Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
2	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
3	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
4	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
5	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
6	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
7	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
8	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
9	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
10	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
11	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
12	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
13	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
14	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
15	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
16	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
17	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
18	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
19	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
20	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
21	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
22	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
23	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
24	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
25	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
26	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
27	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
28	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
29	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
30	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
Avg	0	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	0	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	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	0	0	0	0	0	N/A	
Max	0	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	0	0	0	0	0	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

Daylight Data Recovery: 100.0% missing; 0.0% untested; 0.0% exceed the 15% QC threshold -- 4718 total daylight measurements.

Instrument: Eppley NIP Serial Number: 23398E6 Calibration Factor: 7.1447 $\mu\text{V}/\text{W}/\text{m}^2$ 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

April 2012

Diffuse Solar Radiation (Shadow Band) on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	1	28	145	239	286	346	432	406	344	244	152	86	47	6	0	0	0	0	0	2762
2	0	0	0	0	0	4	43	108	285	234	96	92	87	77	75	69	57	36	10	0	0	0	0	0	1273
3	0	0	0	0	0	6 ?	29	50	57	64	69	74	75	105	81	77	66	40	3	0	0	0	0	0	798
4	0	0	0	0	0	9 ?	48	168	298	385	459	219	249	246	225	239	75 ?	42 ?	19	0	0	0	0	0	2681
5	0	0	0	0	0	5	42	158	265	299	292	166	303	237	153	177	96	36	7	0	0	0	0	0	2237
6	0	0	0	0	0	1	11	43	76	114	181	255	342	362	109	77	60	37	10	0	0	0	0	0	1676
7	0	0	0	0	0	8 ?	31	52	64	72	74	74	73	73	68	57	36	9	0	0	0	0	0	0	763
8	0	0	0	0	0	7	50	133	189	389	427	255	81	79	81	79	70	45	10	0	0	0	0	0	1895
9	0	0	0	0	0	10	44	71	82	91	102	109	106	108	106	100	84	55	15	0	0	0	0	0	1086
10	0	0	0	0	0	12	52	99	249	400	398	278	339	322	231	236	155	80	15	0	0	0	0	0	2867
11	0	0	0	0	0	9	46	79	99	115	128	199	380	389	349	232	179	92	17	0	0	0	0	0	2312
12	0	0	0	0	0	10	37	59	69	87	219	245	258	234	234	229	191	97	19	0	0	0	0	0	1988
13	0	0	0	0	0	11	50	139	202	243	224	193	337	344	389	440 ?	346 ?	135	23	0	0	0	0	0	3078
14	0	0	0	0	0	15	76	116	135	117	119	133	314	553	574 ?	474 ?	258 ?	139	17	0	0	0	0	0	3039 ?
15	0	0	0	0	0	8	57	100	131	142	162	252	558	?	528 ?	?	298 ?	132	32	0	0	0	0	0	2399 ?
16	0	0	0	0	0	14	51	87	109	149	301	601	786 ?	?	?	?	344 ?	144	25	0	0	0	0	0	2610 ?
17	0	0	0	0	0	17	69	120	192	360	624 ?	?	?	?	?	406 ?	264	97	36	0	0	0	0	0	2185 ?
18	0	0	0	0	0	21	78	191	288	456 ?	?	542 ?	733 ?	591 ?	481 ?	270	138	93	15	0	0	0	0	0	3897 ?
19	0	0	0	0	0	4	28	55	95	135	157	202	304	251	210	221	202	131	28	0	0	0	0	0	2023
20	0	0	0	0	0	8	65	179	383 ?	?	483 ?	?	?	?	?	?	?	157	29	0	0	0	0	0	1305 ?
21	0	0	0	0	0	19	83	186	321	549 ?	?	?	555 ?	566 ?	543 ?	?	300 ?	144	21	0	0	0	0	0	3287 ?
22	0	0	0	0	0	2	14	29	41	65	97	73	66	89	163	70	51	32	11	0	0	0	0	0	805
23	0	0	0	0	0	23	70	192	281	312	323	393	282 ?	357	395 ?	265	88	96	7	0	0	0	0	0	3085
24	0	0	0	0	0	29	134	?	?	?	?	575 ?	448 ?	?	?	418 ?	205 ?	142 ?	28	0	0	0	0	0	1979 ?
25	0	0	0	0	0	27	141 ?	?	?	?	?	?	745 ?	597 ?	493 ?	380 ?	293 ?	125 ?	22	0	0	0	0	0	2822 ?
26	0	0	0	0	0	1	5 ?	105	314 ?	?	549 ?	?	347	305	323	147	103	87	34	0	0	0	0	0	2320 ?
27	0	0	0	0	0	23	102	147	282	509 ?	?	?	671 ?	599 ?	491 ?	411 ?	?	148 ?	33	0	0	0	0	0	3418 ?
28	0	0	0	0	0	8	36	74	276	240	316	177	235	133	55	261 ?	71	13 ?	5	0	0	0	0	0	1899
29	0	0	0	0	0	6	54	216	201	185	297	425	163	265	261	293	210	137	36	0	0	0	0	0	2748
30	0	0	0	0	0	30	134	318 ?	472 ?	468	561 ?	658 ?	656 ?	634 ?	510 ?	370	224	140	33	0	0	0	0	0	5208 ?

Avg	0	0	0	0	0	12	57	122	203	249	280	276	354	314	284	237	163	91	19	0	0	0	0	0	2348 ?
S D	0	0	0	0	0	8	35	65	112	151	167	177	219	186	173	131	97	46	10	0	0	0	0	0	975
S/A	0	0	0	0	0	0.72	0.61	0.53	0.55	0.61	0.6	0.64	0.62	0.59	0.61	0.55	0.6	0.5	0.53	0	0	0	0	0	0.42
Min	0	0	0	0	0	1	5	29	41	64	69	73	66	73	55	68	51	13	3	0	0	0	0	0	763
Max	0	0	0	0	0	30	141	318	472	549	624	658	786	634	574	474	346	157	36	0	0	0	0	0	5208
n	0	0	0	0	0	173	346	323	313	297	270	272	266	265	258	254	268	332	215	0	0	0	0	0	3862

Daylight Data Recovery: 0.0% missing; 0.0% untested; 18.1% exceed the 15% QC threshold -- 4718 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

April 2012

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	10.1	9.9	9.7	9.7	9.6	9.5	9.7	10.4	11.1	11.8	12.6	13.7	14.5	15.1	15.5	15.7	14.8	14.8	13.9	13	13.2	13.5	13.9	14.2	12.5
2	14.6	14.7	15.4	16	16.5	16.7	16.2	13.5	13.3	13.3	13.6	13.6	14.1	15.3	16.3	16.6	16.3	15.4	13.9	12.1	11.3	10.2	8.7	8.2	14
3	7.5	7	7	6.4	6.2	6.6	7.6	10.6	12.6	13.8	15.5	16.9	18	18.8	18.6	20.4	21.1	20.9	19.3	16.7	15.7	15.9	16.1	15.7	14
4	15.7	16.2	16.7	16.4	15.9	15.4	15.6	17.5	19.5	21.2	22.8	23.6	25.6	27.2	27.8	27.7	22	17.7	18.4	18.1	17.6	17.9	18.1	18.1	19.7
5	18.1	18.2	17.6	15.6	12.9	12.2	11.9	11.8	11.9	11.7	11.5	11.1	11.2	11.2	10.8	10.9	10.6	10.4	10	10.1	10.1	10.3	10.5	10.6	12.1
6	10.6	10.7	10.5	9.9	8.8	8.5	9.1	10.1	10.2	10	9.7	9.3	9.7	10.2	11.8	12	12	11.9	11	9.5	8.8	6.8	5.9	5.2	9.7
7	4.8	5.1	5.3	5.5	5.9	6.8	6.7	8.7	10.7	12.1	13.2	14.1	15.2	15.8	16.8	17.4	17.8	17.6	16	14	13	11.9	11.5	10.9	11.5
8	10.4	8.6	8	7.9	8.3	7.4	7.6	11.6	14.3	16.4	17.8	17.9	19.3	19.8	20.7	21.3	21.5	21.3	19.6	17.7	17.1	16.8	16.2	15.4	15.1
9	15.2	14.6	13	11.1	10.5	9.8	10.8	13.4	15.8	17.5	18.5	19.2	20.2	21	21.6	21.9	22	21.3	19.8	17.2	16.1	15.8	15.6	15.3	16.5
10	15	14.4	13.4	12.7	11.8	10.4	10.5	12.9	15.6	16.4	17.2	18.3	19.6	20.4	21.2	21.3	21.5	21.1	19.9	20	20.2	19.7	17.9	15.9	17
11	14.8	13.6	12.3	11	10	9.3	8.9	9.4	10.5	11.1	11.8	12.5	12.4	11.9	11.4	11.2	11.7	11.3	10.2	9.5	9.1	8.2	7.3	6.3	10.6
12	5.1	4.4	3.8	3.4	3.2	3	3.6	5.9	8.7	10.3	11.5	13.1	14	14.6	15.4	15.4	15.1	15.2	14.2	12	11.1	10.1	9.5	9.3	9.7
13	8.8	8.5	8.2	8.6	8	7.1	7.4	10.4	13.1	14.6	16	16.7	17.1	17.4	18.1	18.7	17	15.8	14.5	12.9	12.1	10.8	10.4	10.2	12.6
14	9.8	9.4	9.4	9	9	8.5	10.3	12.7	15.5	17.7	19.4	20.1	20.9	21.5	22	22.5	22.7	22.3	19.7	18.3	17.5	16.9	16.8	16.9	16.2
15	16.6	16.2	16	15.8	15.7	15.5	16	17.9	19.6	21	22.3	23.5	24.8	25.8	26	26.4	26.4	25.9	24.7	22.8	21.3	20.6	20.1	19.3	20.8
16	18.6	17.8	17.6	17.4	17	17	17.5	19.1	20.9	22.3	24	25.4	26.4	27.2	27.6	28	28	27.5	25.6	23.2	22	21.2	20.7	20.1	22.2
17	19.6	19.1	18.3	17.5	16.9	16.7	17.2	19	20.8	23.6	25.6	26.9	27.5	27.4	27.3	26.5	25.6	24.1	22.4	20.9	19.6	18.8	17.9	16.7	21.5
18	16.2	15.3	15.1	15.1	15.4	15.4	16.7	17.4	17.7	18.1	18.7	18.6	18.5	18.8	17.8	16.8	15	13.9	13.2	12.8	12.7	12.7	12.8	13	15.7
19	12.5	11.8	11.8	12	12.3	12.5	12.6	12.6	13	13	13.7	14.5	15.6	15.2	15	15.3	15	13.9	13.1	12.6	12.2	11.8	11.4	11.4	13.2
20	11.3	11.5	11.8	11.6	11.6	11.5	11.6	12	13.9	16.5	18	19.1	20.8	21.6	21.4	22	21.7	18.7	17.9	17.1	16.9	16.3	16	15.8	16.1
21	15.8	15.7	15.6	15.6	15.2	15.4	15.6	16.2	17.1	19.7	22.5	23.4	24.4	25.3	26	26	24.7	24.1	23	22.9	22.5	21.9	21.4	20.9	20.4
22	20.5	20	19.7	18.6	17.2	16.7	16.6	16.3	16.6	16.8	17	16.9	17	17.6	18.7	17.8	15	12.9	11.9	11.8	11.4	10.9	10.2	9.5	15.7
23	9.4	9.3	9	8.7	8.8	8.7	8.8	9.8	10.5	10.5	10.9	11.9	11.8	13	12.6	12	10.1	10.5	9	8	7.7	7.6	7.6	7.4	9.7
24	7.1	7.1	7.4	6.9	6.4	6.2	6.9	9.4	11.7	13.4	14.5	15.2	15.7	16.1	16.5	16.5	16.4	16.4	15.1	13.3	12.3	11.5	10.7	10.5	11.8
25	10.4	9.5	9	8.3	7.7	7.5	8.8	11.4	14	16.6	17.7	18.7	18.9	19.2	19.7	20	20.2	19.6	18.3	16.6	15.7	15.2	15.7	15.4	14.8
26	15.2	14.9	15	14.4	14	13.9	14.7	16.1	17.9	20	22.1	23.3	24	20.1	20.9	20	19.2	20.1	19.6	19.2	19.1	19.9	20	19.6	18.5
27	19.4	19.9	20	19.6	19.3	18.9	17.9	16.7	15.8	16.1	17.1	18.3	19.3	19.9	18.6	17.3	17.4	16.8	14.9	14.4	13.8	13.4	13.4	13	17.1
28	12.9	12.5	12.2	11.8	12.2	12.6	13.1	13.5	14.5	14.9	14.9	14.7	14.4	14.2	13.3	13.1	14.4	12.7	12.3	12.3	12.5	12.3	12.4	12.5	13.2
29	12.6	12.6	12.5	11.7	11.7	11.9	12	12.7	13.5	13.8	14.1	14.8	14.8	14.7	15	15.1	15.1	15.3	14.6	13.5	12.7	12.4	12.1	11.9	13.4
30	11.8	11.9	12.5	12.9	12.6	12.9	13.6	15.4	16.5	17.6	18.4	18.7	19.5	20.2	19.8	19.8	19.7	19.5	19.1	19.1	18.6	18.1	18.4	18.9	16.9
Avg	13	12.7	12.5	12	11.7	11.5	11.9	13.2	14.5	15.7	16.7	17.4	18.1	18.6	18.8	18.8	18.3	17.7	16.5	15.4	14.8	14.3	14	13.6	15.1
S D	4.3	4.3	4.3	4.1	4	4.1	3.9	3.4	3.3	3.7	4.2	4.4	4.7	4.8	4.8	4.9	4.7	4.6	4.4	4.2	4.1	4.2	4.3	4.3	3.6
S/A	0.33	0.34	0.34	0.34	0.35	0.35	0.33	0.26	0.23	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.3	0.31	0.31	0.24
Min	4.8	4.4	3.8	3.4	3.2	3	3.6	5.9	8.7	10	9.7	9.3	9.7	10.2	10.8	10.9	10.1	10.4	9	8	7.7	6.8	5.9	5.2	9.7
Max	20.5	20	20	19.6	19.3	18.9	17.9	19.1	20.9	23.6	25.6	26.9	27.5	27.4	27.8	28	28	27.5	25.6	23.2	22.5	21.9	21.4	20.9	22.2
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI 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

April 2012

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	104	104.4 ?	104.6 ?	103.8	103.5	103.3	101.6	100.8	97.4	93.5	87.8	81.8	80.2	79.2	78.9	81.9	87.9	89	94.4	99.7	101.8	102.3	103.8	104.3	95.4
2	104.1	103.3	102.1	101.1	99.3	97.5	96.8	100.7	93.6	84.5	76.8	72.4	68.7	60.4	54.9	54.7	58.4	63.4	70.5	77.1	82.1	88.7	96.9	98.3	83.6
3	101.3	103.7	102.5	103.7	?	?	102	89	64.2	56.4	48.1	44.8	44.8	48.6	58.7	55.4	55.8	57.4	65.5	84.5	91.4	87.5	82.6	85.3	74.2
4	88.7	92.9	97.1	100.5	103.8	?	?	100.6	94	87.2	83.1	81.3	73.4	69	68.5	68.4	80.6 ?	?	103.6	102.6	104.3 ?	?	?	104.6	89.7 ?
5	103.9	102.4	93.2	81.1	85.7	84.3	79.8	81.6	83.3	79.1	73.1	74.5	80.1	81.9	82.3	83.5	82.6	80	80.5	85.4	85.8	84.3	82.7	77.2	83.7
6	77.3	78.8	82	88.5	100.1	102.1	101.1	97.4	97.5	96.5	95.2	92	85.5	75.6	65	63.7	62.1	58.5	62.6	83	92	100	102.5	99.9	85.8
7	100.4	98.4	97.9	97.6	93.1	79.8	80.5	73.9	63.5	47.4	44.2	41.8	37.3	35.7	34.3	32.6	31.7	32.3	39.1	48.7	49.5	54.3	57.7	63.6	59.8
8	67.3	81.3	83.1	82.4	73.5	76.5	79.1	64.2	55.1	41.9	35.1	35.3	33.7	33.5	31.4	31.3	33	35.2	44.8	52.4	57.9	59.4	65.3	65.4	54.9
9	64.3	65.2	73.7	83.2	84.1	86.6	77.6	63	49.2	40.5	36.7	37	35.3	34.9	35.2	34.7	34.6	36.1	40.6	65.4	76.6	77.8	79.7	81.4	58.1
10	80.3	78.9	83.4	89.6	93.9	100.1	101.2	96.2	80.4	72.6	69	59	51	45.9	41.8	41.1	41.5	43.8	49.1	47.2	46.8	44.8	45.4	55	64.9
11	61.8	58.1	65.8	70.4	70.3	63.1	63.5	61.1	53.8	50.1	49	47.8	47.6	50.1	51.6	51.3	48.6	50.7	54.1	60.5	64.7	69.6	74.2	79.2	59.1
12	84.4	87.7	89.8	90.7	91.6	93.3	91.5	85.7	76.7	71.1	65.2	57.2	53.1	49.5	48	46.7	47.6	46.2	52.1	76.7	82.3	86.7	89.7	91.9	73.1
13	97.7	98.5	98	98.8	101.9	104.5 ?	?	98.9	80.4	60.3	49	44.4	44.6	44.9	42.4	39.8	57.4	54.3	63	70.5	74.7	83.3	88.6	91.5	73.4
14	94.7	97.9	98.9	101.2	102.5	103.8 ?	103.8 ?	94	74.3	60.6	53	46.3	44.1	44.6	44.9	44.6	42.6	43.7	58.5	61.1	67.5	75.6	83.8	87.5	72.1
15	90.8	95	96.8	98.4	99.6	101.4	101.5	96.6	92.4	88.1	82	76.7	71.6	68.2	67.2	65.7	64.9	66.9	72	81.7	89	91.1	92.8	95.8	85.3
16	98.2	100.7	100.5	100.6	102	101.4	99.6	93.9	86.9	81.7	77	73.7	70.2	68.1	64.9	63.5	62.3	63.8	71.7	80	82.7	85.5	87.2	88.9	83.5
17	89.1	90.6	94.6	98.7	101	102.9	102.9	98.9	94	84.1	73.8	61.5	54.5	56.4	52.2	57.2	53.1	54.5	53.8	62.9	73.1	75.7	82.3	88.9	77.4
18	93.5	97.6	96.6	93	90	90.9	76.4	74.5	72.8	75.3	79	82.7	80.6	75.6	75.9	79.5	88.4	94	97.5	99.9	101.5	102.5	103.5	104.2 ?	88.6
19	?	?	?	?	?	?	?	?	?	?	?	104.7	103.2	100.7	102.3	102.5	100	99.9	103	104.6 ?	?	?	?	?	102.3 ?
20	?	?	?	?	?	?	?	?	101.2 ?	95.9	92.7	88.5	79.4	80.6	83.6	76.6	84.2	95.4	98	100.9	104	?	?	?	90.8 ?
21	?	?	?	?	?	?	?	?	?	98.9 ?	86.8	80.1	77.4	78.1	75.5	76.5	86.1	88.8	94.6	89.1	89.6	93.8	98.1	101.7	87.7 ?
22	104	104.8 ?	?	?	?	?	?	?	?	?	?	?	?	?	104.7 ?	104.5	?	104.7 ?	104.3	103.3	103.4	102.6	103.2	?	103.9 ?
23	?	?	?	103.8	102.6	102.4	102.5	97.7	93.6	92.5	89.5	88.9	88.5	81.9	80.7	84.6	93.5	85.8	92.5	95.2	97.7	99.2	98.7	100.1	93.9 ?
24	101.6	102.9	94.3	96.6	99.7	101.1	99	82.6	71.1	60.2	53	46.9	45.4	40.4	40.1	38.6	40.3	37.8	45.3	58.7	64	69.8	77.5	80.4	68.6
25	76.5	79	81.9	86.2	89.6	91.1	89.3	78.5	68.3	55.5	44.6	40.9	39.9	48.4	48.1	47.5	49.4	52	59.6	71	77.1	81	85.2	89.5	67.9
26	93	97.9	102	?	?	?	?	?	102.4 ?	95.1	84.2	82.8	83.2	99.8	94.1	96.7	102.5	96.3	95.2	96.2	94.8	88	90.5	94.5	94.2 ?
27	95.9	95.8	97.2	99.2	100.9	102.3	94.2	89.1	76.7	70.6	64.7	63.1	63.8	67	74.2	76.2	75.7	79.1	86.5	91.2	94	96.8	96.1	97.1	85.3
28	96	97.4	99.2	100.2	98	97	93.9	91.7	83.2	74	76.3	81.9	81.8	82.3	89.8	91.8	93	102	102.7	102.3	102.4	102.9	102.5	101.1	93.5
29	98.8	99.7	101.7	?	?	?	?	103.6 ?	100.9	99.8	100.3	98.1	99.1	99.2	98.3	98.3	98.8	98.7	101	103.7 ?	?	?	?	?	100 ?
30	?	?	?	?	?	104.4 ?	101.4	92	82.5	71.8	63.9	63	56.6	71.1	79.8	84.2	86.4	90.3	96.8	97	98.1	99.6	99.6	98.6	86.2 ?
Avg	90.7	92.5	93.2	94.3	94.9	95	92.7	88.2	81.1	74.5	69	67.2	64.6	64.5	65.6	65.8	67	69	75.1	81.8	83.9	84.7	87.3	89.5	81.2 ?
S D	12.7	12.4	9.9	8.8	9.5	10.9	11.5	12.7	15.3	18	18.7	20	19.9	21.4	22.2	22.5	23.7	22.2	18.2	16.7	15.6	14.7	13.2	13.6	
S/A	0.14	0.13	0.11	0.09	0.1	0.12	0.12	0.14	0.19	0.24	0.27	0.3	0.31	0.31	0.33	0.34	0.34	0.34	0.3	0.22	0.2	0.18	0.17	0.15	0.17
Min	61.8	58.1	65.8	70.4	70.3	63.1	63.5	61.1	49.2	40.5	35.1	35.3	33.7	33.5	31.4	31.3	31.7	32.3	39.1	47.2	46.8	44.8	45.4	55	54.9
Max	104.1	104.8	104.6	103.8	103.8	104.5	103.8	103.6	102.4	99.8	100.3	104.7	103.2	100.7	104.7	104.5	102.5	104.7	104.3	104.6	104.3	102.9	103.8	104.6	103.9
n	300	288	283	274	264	240	259	294	312	332	336	346	348	348	353	358	345	345	359	351	332	312	310	305	7597

Data Recovery: 0.0% missing; 0.0% untested; 12.1% failed QC -- 8640 total measurements.

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 0.10 %/mV Calibration Date: 01/1999

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

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

April 2012

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	10.6	10.4	10.3	10.2	10.2	10.1	10.1	10.6	12.6	14.5	16.6	18.7	19.9	20.7	21.4	21.4	21.2	20	17.5	14.5	13.1	12.6	12.6	13	14.7
2	13.6	14.2	14.6	15.2	15.8	16.3	16.5	16	14.9	16	17.3	18	18.3	18.5	19.3	20.4	20.9	20.4	18	14	11.2	9.2	7.3	6.4	15.5
3	5.6	5.2	5	4.7	4.6	4.9	5.4	9.6	15	18.6	21.6	24.2	25	24.6	24.2	24.4	25.5	25.5	22.8	19.1	16.7	15.5	15.3	15.3	15.8
4	15.2	15.3	15.7	16	15.8	15.4	15.2	17	19.9	22.1	24.7	27.5	29.2	30.6	32.1	32.8	31.1	23.2	19.7	18.5	17.7	17.3	17.5	17.7	21.1
5	17.7	17.8	17.8	17.3	15.4	13.7	13	12.9	13.6	14.7	14.7	14.4	13.6	14	13.7	13.2	13	12.3	11.6	10.9	10.6	10.6	10.7	10.7	13.7
6	10.7	10.7	10.8	10.6	9.7	8.5	8.2	8.7	9.7	10.6	10.9	11.3	11.6	12.2	13.5	15.3	15.9	15.8	14.4	10.8	8.2	6.3	4.7	3.9	10.5
7	3.3	2.9	3.2	3.3	3.3	3.8	5.2	9	13.1	15.6	17.1	18.8	19.6	20	20.5	21.6	22.3	22.1	20.1	15.5	12.3	10.7	9.9	9.3	12.6
8	8.6	7.1	5.4	5.1	5.4	5.3	5.8	10.4	15.8	19.5	21.8	23.5	23.8	23.9	23.9	24.7	25.1	25	23.2	19	16.8	16	15.8	15.1	16.1
9	14.5	13.8	12.7	10.8	9.6	8.9	9.1	12.8	17.7	21.5	23.7	24.4	24.4	24.4	24.7	25.3	25.6	25	23	19.6	16.8	15.5	15.1	14.8	18.1
10	14.6	14.3	13.5	12.5	11.4	9.8	9	11.8	16.6	19.2	19.9	20.5	22.1	23.2	24.1	24.7	24.5	23.8	22.2	20.2	19.6	19.6	18.7	17.4	18.1
11	16	15	13.9	12.5	10.7	9.4	9	10.8	13	14.9	16.3	17.4	17.6	16.6	16	14.9	14.5	14.5	12.7	10.5	9.5	8.5	7	6.1	12.8
12	5	3.8	3	2.5	2.1	1.8	2.6	6.1	10.2	13.4	15.5	17.4	18.6	19.1	19.5	20.9	19.4	18.7	16.9	13.5	11.4	9.6	7.9	6.9	11.1
13	6.9	6.5	6.2	6.5	6.9	6.1	5.8	8.3	13.6	17.6	20.7	22.5	22.9	22.3	23.2	24.1	24.5	22.1	19	15	12.3	10.4	9	8.4	14.2
14	8	7.6	7.1	6.9	6.6	6.3	7.5	11.8	16.5	20.5	23.5	24.9	25.3	25.2	25.6	26.1	26.6	26.4	24.2	20.4	18.3	17.2	16.5	16.4	17.3
15	16.4	16.1	15.7	15.5	15.4	15.4	15.6	17.8	20.9	23.3	25.1	26.6	27.7	28.5	29.4	30.2	30.6	30	28	25.2	22.9	21.4	20.5	19.7	22.4
16	19	18.1	17.5	17.1	16.8	16.4	16.9	19.5	22.7	25.1	27	28.9	30.1	30.5	31.4	32	32.3	31.9	30.1	26.2	23.4	21.8	20.9	20.2	24
17	19.6	19.1	18.6	17.8	16.9	16.4	16.9	19.5	23.2	27	30.6	32.3	32.9	32.8	32.8	32.9	32.1	29.5	26.5	23.2	20.8	19.2	18.1	16.6	24
18	15.4	14.7	14.4	13.9	13.9	14.4	15.2	17.1	18.8	20.2	22.5	24	23.6	23.8	23.7	23	20.2	17.5	15.6	14.3	13.5	13.1	13	13.1	17.5
19	13	12.5	12.2	12.1	12.3	12.5	12.7	13	13.2	13.7	14.2	14.9	16	17.7	18.3	18	18.4	18.7	17.9	15	13	12	11.8	12	14.4
20	11.9	11.9	12.1	12.1	12.1	12.2	12.3	13.1	15.9	21.3	24.9	26.6	27.3	27.7	28	27.9	28.3	26.5	23.1	19.6	17.6	16.6	16.1	15.7	19.2
21	15.4	15.3	15.2	15.1	15.1	15.4	15.8	16.7	18.4	21.5	26.1	29.1	29.5	29.6	30.6	31.8	31.6	29.7	26.7	24.2	23.3	22.5	21.9	21.3	22.6
22	20.8	20.4	20	19.6	18.6	17.7	17.3	17	17.2	17.4	17.6	17.6	17.7	18.3	18.9	17.7	15.8	14	12.9	12.3	11.9	11.4	10.7	10.7	16.7
23	10.1	9.8	9.6	9.3	9	8.9	8.9	9.8	11.7	12.8	13.5	14.3	14.8	15.6	15.9	15.8	13.4	11.7	11.1	9.7	8.6	8.1	7.7	7.3	11.1
24	6.7	5.9	5.8	6	5.7	5.3	5.8	9.3	13.5	16.6	18.3	19.3	19.3	19.2	19.6	20.1	20.2	19.6	18.3	14.8	12	10.5	9.1	8.6	12.9
25	8.6	8.3	7.8	7.3	6.7	6.3	7.6	11.6	15.6	19.8	22.1	23.2	23.5	22.9	23.2	23.9	24.5	24.1	21.7	18.5	16.3	14.7	14.7	14.8	16.2
26	14.7	14.5	14.6	14.7	14.4	14.2	14.4	15.1	16.9	20.9	24.3	26.3	27.3	24.8	22.7	22.8	20.9	20.2	20.2	19.7	18.8	18.6	19	19.1	19.1
27	18.9	19.1	19.5	19.5	19.5	19.3	19.1	19.1	18.8	19.1	21.1	23	24.9	25.4	25.4	23.7	23.1	22.6	20.1	16.8	14.8	13.4	12.5	12.1	19.6
28	11.8	11.6	11.2	10.9	11	11.8	12.6	13.5	14.7	16.7	17.2	17.7	17.3	17.1	16.2	14.6	15.2	15	13.8	13.3	13.2	13.2	13	13	14
29	13.1	13.1	13.3	12.9	12.5	12.5	12.6	13.3	15.2	16.1	16.8	18.2	19.4	18.6	18.7	19.1	19.7	19.2	18.7	15.9	13.5	12.3	11.7	11.2	15.3
30	11	11.1	11.6	12.2	12.2	12.3	13	15.9	20.1	22.1	22.6	23.5	23.9	24.8	25.1	25	24	22.9	22	20.2	19.2	18.4	18.2	18.6	18.7
Avg	12.5	12.2	11.9	11.7	11.3	11	11.3	13.2	16	18.4	20.3	21.6	22.2	22.4	22.7	23	22.7	21.7	19.8	17	15.3	14.2	13.6	13.2	16.6
S D	4.6	4.7	4.8	4.8	4.6	4.6	4.4	3.7	3.4	3.8	4.6	5.1	5.3	5.2	5.3	5.5	5.6	5.3	4.8	4.4	4.3	4.4	4.6	4.7	3.7
S/A	0.37	0.39	0.4	0.41	0.41	0.42	0.39	0.28	0.21	0.21	0.23	0.23	0.24	0.23	0.23	0.24	0.25	0.24	0.24	0.26	0.28	0.31	0.34	0.36	0.22
Min	3.3	2.9	3	2.5	2.1	1.8	2.6	6.1	9.7	10.6	10.9	11.3	11.6	12.2	13.5	13.2	13	11.7	11.1	9.7	8.2	6.3	4.7	3.9	10.5
Max	20.8	20.4	20	19.6	19.5	19.3	19.1	19.5	23.2	27	30.6	32.3	32.9	32.8	32.8	32.9	32.3	31.9	30.1	26.2	23.4	22.5	21.9	21.3	24
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

April 2012

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	4	3.9	3.7	3.3	3.8	3.3	3.5	2.7	2.9	3.3	2.3	1.6	1.6	1.2	2.2	3.4	3.2	2.7	1.9	1.6	1.7	1.6	2.9	4	2.8
2	3.7	3.5	4.1	4.3	3.8	3.2	4.9	5.2	6.4	6.4	6.4	5.9	5.2	4.6	4.5	4	3.6	3.1	2	1.4	0.3	0.1	0.7	0.4	3.7
3	0.6	1.3	0.6	1.6	2.3	1.5	0.5	0.7	1.4	1.2	0.9	1.3	1.6	2.2	3.2	2.9	2.6	2.1	1.2	2.8	2.7	3	3.6	3.5	1.9
4	3.1	4	3.8	3.1	2.1	2.1	2.4	2.9	3.4	2.8	3.6	3.3	3	3.3	3.1	3.7	4.6	2.5	2.2	2.3	1.4	2	1.1	0.7	2.8
5	1.1	1.9	3.6	4.6	5.1	5.4	5.4	5.4	5.1	5.1	4.4	4.4	4.1	3.9	4.2	3.4	3.2	2.4	1.6	1.2	1.5	1.9	1.8	2	3.4
6	1.9	2	1.5	2.7	3	2.5	1.9	3.3	4.7	5.2	4.7	5.3	5.3	5.9	5.8	5.6	5.1	3.9	1.5	0.5	0.1	0.1	0.4	0.9	3.1
7	0.4	1.7	1.1	0.9	1.4	2.1	0.4	0.8	2.7	4.7	3.3	3.3	2.9	3.4	2.7	2.9	2.5	2.1	0.8	0.5	0.8	1.4	1.2	1	1.9
8	0.4	0	0.5	0.5	0.6	0.6	0.3	1.1	1.5	1.6	2.7	2.7	3	3.6	4.3	4.5	3.6	2	1	1.8	2.4	2.9	2.8	2.5	2
9	2.6	1.3	0.1	0.7	0.9	1	1.5	1	1.7	1.8	3.3	4.1	3.9	4.3	4.7	4.8	4.6	3.9	3.2	2.5	3.2	4.4	4.7	4.6	2.9
10	3.5	2.6	2.7	1.2	0	0.1	0.6	1.7	2.4	3	3.4	5.2	5.5	5	5.1	5	4.1	2.8	2.8	3.3	3.3	3.4	2.7	2.6	3
11	3.5	4.3	4.2	3.5	1.6	2.7	2.2	3.5	3.9	4.4	4.2	4	4.2	4.2	4.4	3.3	3.7	2.9	2.6	1.6	1.3	1.4	2	2	3.2
12	1.5	1.4	1.9	1.8	1.7	2	2.2	2.7	3.3	3.9	3.3	3.3	3.5	3.8	3.3	2.6	2	1.6	0.3	1.2	0.8	0.4	0.1	0.8	2.1
13	0.8	0.6	0.2	0.8	0.7	0.1	0.3	0.6	1.4	1.7	2.1	3	3	2.2	1.7	1.4	2.7	3.1	1.7	1.6	0.8	0.5	0.9	0.9	1.4
14	0.8	0.3	0.6	0.3	0.5	0.5	1.4	1.8	1.9	2.4	3.1	3.7	4.2	4.4	4.9	4.5	3.5	3.3	3	3.2	3.4	3.7	4.4	3.9	2.6
15	3.7	2.8	2.8	2.8	3.2	3.3	3.4	4.3	5.2	5.9	5.7	5.3	4.7	4.1	4.2	4.7	4.6	3.1	2.3	3.3	4.4	4.5	3.6	3.3	4
16	2.9	3.2	2.9	2.7	2.1	2.1	2.3	3.6	4.6	5.1	4.2	4	4.1	4	4.6	4.5	4.4	3.4	2.8	3.2	3.3	3.7	4.2	3.4	3.6
17	2.6	2.7	2.4	1.4	1.2	1.6	2.1	2.6	2.2	1.1	2.7	3.3	3.3	3.4	3.2	3.5	3.2	2.5	2.3	1.9	1.7	1.4	0.1	0	2.2
18	0	0.1	0.1	0.8	0.6	1.1	1.6	2.6	3.4	4	3.9	4.1	4.4	4.2	4.1	3.7	4.4	3.8	3.3	3.2	2.7	2.3	1.7	0.9	2.5
19	1.2	1.7	1.7	1.8	2	2.2	2.8	2.4	2.6	2.7	2.6	2.5	2.7	2.6	2.7	2.1	2.1	2.2	1.7	0.9	0.8	1	1.3	0.8	2
20	0.6	0.2	0.1	0.6	0.1	0.4	0.5	0.1	0.9	1.1	1.2	1.5	1.1	1.9	2.9	2.8	3.1	3.6	1.8	1.6	1.4	2.1	1.9	0.3	1.3
21	0.2	0.2	0.1	0.7	0.3	0.5	0.3	0.7	1.5	1.6	2	3	3.4	3.3	3.4	3.1	4	2.7	2.2	3.1	3	2.8	1.7	1	1.9
22	0.8	0.7	0	1.9	2.5	1.7	1.3	1.4	2	2	3.6	3.2	3.1	2.4	4.7	4	3.1	4.2	3.8	3.6	3	2.5	2.7	2.5	2.5
23	1.9	2.1	2.9	2.5	2.3	1.4	2.6	3.5	3.4	3.4	3.2	3.7	3.7	4.2	5.3	4.2	3.8	4	3.8	3	2.7	2.6	1.6	1.7	3.1
24	1.1	1.5	3.2	2.7	2.2	1.9	1.9	2.7	3	4	4.3	4.7	5.2	5.2	5	5	3.6	3.8	1.2	0.6	0.6	0.3	0.9	1.3	2.7
25	1.2	1.3	1.7	1.5	1.6	1.8	1.8	2.7	2	2.5	3.4	3.4	4.3	4	4.2	3.4	2.9	2.9	2	1	0.9	1.3	1.1	1.2	2.3
26	1.4	1.5	1.6	1.2	2.4	2.8	2.1	3.3	4.3	4.6	5	5.3	4.7	4.4	3.8	3.5	2.5	3.4	2.1	1.2	1.6	2.9	2.9	2.3	3
27	3	4.1	3.7	3	2.9	1.5	3.1	3.3	4.1	4.1	3.1	2	1.5	1.6	3.2	3.3	3.1	3.4	2.8	2.7	1.7	1	1.5	1.8	2.7
28	1.8	1.6	1.2	1	1.1	1.4	1.7	2.6	2.8	3.9	3.8	3.3	3.2	3	3.2	5.2	2.2	2	1.2	0.8	0.7	1.6	0.9	0.8	2.1
29	0.5	0.3	2	2	1	1.2	1	1.7	1.8	1.8	2.2	1.2	1.2	2.3	1.9	1.3	1.4	1.1	1.5	1.3	0.7	1.5	1	0.5	1.4
30	0.2	0.5	0.1	0.4	0.3	0.8	1	1.2	2.4	3.1	4	4.3	3.9	3.5	4.2	3.6	4.2	4.1	2.6	3.1	2.3	2	2	2.7	2.3
Avg	1.7	1.8	1.8	1.9	1.8	1.8	1.9	2.4	3	3.3	3.4	3.5	3.5	3.5	3.8	3.7	3.4	3	2.1	2	1.8	2	2	1.8	2.5
SD	1.2	1.3	1.4	1.2	1.2	1.1	1.3	1.3	1.4	1.5	1.2	1.3	1.2	1.1	1	0.9	0.8	0.9	1	1.1	1.2	1.3	1.2	1.2	0.7
S/A	0.73	0.74	0.76	0.63	0.7	0.65	0.68	0.55	0.46	0.45	0.35	0.35	0.35	0.31	0.27	0.28	0.27	0.27	0.41	0.5	0.61	0.6	0.64	0.69	0.27
Min	0	0	0	0.3	0	0.1	0.3	0.1	0.9	1.1	0.9	1.2	1.1	1.2	1.7	1.3	1.4	1.1	0.3	0.5	0.1	0.1	0.1	0	1.3
Max	4	4.3	4.2	4.6	5.1	5.4	5.4	5.4	6.4	6.4	6.4	5.9	5.5	5.9	5.8	5.6	5.1	4.2	3.8	3.6	4.4	4.5	4.7	4.6	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: 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

April 2012

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	76	81	79	68	67	70	72	75	75	72	78	77	91	150	147	201	209	213	214	210	196	223	230	243	111
2	253	275	291	299	315	349	36	54	54	52	55	51	55	42	30	39	60	72	86	113	110	76	276	230	33
3	312	314	5	315	330	349	16	52	77	116	114	39	343	296	227	258	251	260	243	219	239	245	249	248	266
4	248	249	252	254	275	290	286	298	316	318	290	270	293	265	255	227	61	203	230	230	231	242	35	19	268
5	293	344	37	73	91	95	94	94	96	100	96	91	87	83	89	80	77	83	103	69	83	97	92	94	86
6	92	75	60	62	77	89	80	69	74	77	69	55	55	57	50	48	56	65	68	97	85	328	314	319	63
7	320	328	354	4	16	23	11	16	39	54	57	26	32	14	347	349	347	351	323	305	281	281	282	271	8
8	279	0	34	343	297	302	351	9	12	12	0	343	349	320	314	314	313	278	244	245	248	244	257	296	310
9	347	9	341	317	328	319	336	342	346	342	344	307	309	288	281	272	285	269	250	230	237	244	247	248	284
10	293	31	99	106	117	234	256	244	231	241	252	265	261	270	272	264	264	250	259	297	309	336	18	57	276
11	67	63	70	62	54	31	23	32	22	21	14	1	348	357	352	351	358	357	352	348	340	314	322	339	15
12	345	336	330	344	345	346	350	354	13	23	15	15	17	23	44	22	40	38	97	185	207	213	225	255	10
13	273	291	280	282	307	343	325	1	26	18	0	20	31	356	350	5	177	160	151	167	176	217	215	221	13
14	214	212	207	250	255	252	254	270	281	266	269	274	256	267	263	260	258	261	236	234	239	245	248	256	256
15	254	257	254	251	251	252	252	271	279	291	293	295	279	279	258	269	254	267	254	245	244	251	253	249	265
16	246	250	255	271	272	261	265	288	301	296	298	280	280	256	255	256	257	260	240	242	244	248	250	253	265
17	263	256	252	258	268	284	287	302	319	25	89	111	119	115	99	119	116	107	103	103	111	89	41	1	117
18	0	329	350	40	73	90	98	66	86	90	80	87	104	115	109	97	99	102	101	100	94	97	91	82	94
19	25	58	58	59	55	52	62	70	84	59	49	61	75	83	90	100	92	93	101	91	97	85	55	34	71
20	66	70	304	321	338	341	5	1	31	83	158	130	137	155	137	209	206	182	187	171	174	182	193	210	171
21	221	245	206	196	200	326	282	279	228	217	233	226	218	217	226	202	161	176	215	241	245	250	247	231	220
22	239	274	117	105	115	145	113	107	117	119	129	119	118	141	213	260	354	357	360	1	357	357	343	341	56
23	345	337	330	338	330	341	317	316	313	309	299	298	308	307	314	311	336	329	341	342	325	300	269	276	318
24	274	269	287	287	283	280	276	288	306	308	302	297	281	283	287	314	307	308	267	245	254	260	267	277	292
25	282	285	294	295	303	297	316	320	320	323	307	303	284	290	306	309	307	299	284	255	247	243	222	214	296
26	200	199	238	232	206	194	206	208	218	236	259	283	288	312	325	318	302	314	295	271	262	283	282	277	266
27	283	293	299	310	311	352	51	47	54	53	65	41	282	278	188	166	146	161	171	156	163	164	131	124	93
28	122	119	112	107	104	110	107	102	110	103	111	110	108	104	98	167	106	38	33	40	28	21	31	37	103
29	57	353	28	62	119	65	100	105	69	69	101	122	138	118	119	132	162	177	159	187	154	136	167	176	112
30	172	173	158	150	137	139	144	144	155	172	168	142	156	149	154	160	164	174	184	201	193	195	199	201	168
Avg	285	310	325	344	347	11	24	15	27	30	17	356	336	320	290	273	300	262	231	226	241	252	256	260	336
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

April 2012

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	7.5	7.1	6.8	6.1	6.7	6.2	6.5	4.9	5.1	6	4.4	3.5	3.5	2.6	3.8	5.4	5	3.9	3	2.6	2.5	2.7	4.6	6	4.8
2	6.4	6.4	7	7.2	6.7	5.9	8.6	9	11	10.9	10.8	9.9	8.7	8.8	8.5	7.6	6.4	5.6	3.6	2.6	0.9	0.2	1.2	0.8	6.4
3	0.8	2.2	1.5	2.5	3.7	2.7	1.4	1.8	2.7	2.7	2.3	3.2	4	4.3	5.3	4.9	4.3	3.4	2.1	4.4	4.6	4.7	5.3	5.4	3.3
4	4.8	6.3	6.1	5	3.6	3.5	3.8	4.9	5.6	5	5.8	5.5	5.5	5.8	5.1	5.9	8.1	4	3.8	4	2.4	3.2	2.3	2	4.7
5	2.2	3.4	6.5	8.1	8.7	9.6	9.6	9.7	9	9.1	7.5	8	7	6.7	7.3	6.4	5.7	4.7	3.5	2.7	3.8	3.7	3.9	4	6.3
6	4	4.3	3.6	4.9	5.8	4.7	3.8	6	8.5	9.2	8.8	9.3	9.1	10.2	10.3	9.9	8.8	7	3.2	1.6	0.5	0.2	0.9	1.4	5.7
7	1	2.9	2.6	2.2	3	3.9	1.7	2.7	5.2	8.2	6.3	6.6	5.9	6.9	5.9	6	5.6	4.3	1.8	1.2	1.3	1.9	1.8	1.6	3.8
8	0.9	0	1	1.1	1.1	1	0.9	2.9	3.6	3.7	6	5.9	6.5	6.5	7.9	8.1	6.6	3.9	1.7	2.9	3.9	4.5	4.8	4.3	3.7
9	4.9	3	0.8	1.4	1.8	1.8	2.8	2.5	4	4.3	6.1	7.1	7.4	7.9	8.3	8.9	8.3	7.3	5.2	4.1	5.6	7.4	7.2	7.3	5.2
10	6.6	5.4	4.8	2.6	0.2	0.3	1.3	2.9	4	4.7	5.8	9.1	9.3	8.4	9	9.3	7.3	5	4.6	6	6.7	6.7	5	4.8	5.4
11	6.3	8	7.7	6.7	3.4	5.4	4.5	7.1	8.1	8.6	8.1	8.3	8.7	8.2	8.7	6.4	7.4	5.9	5.6	3.4	3.2	2.5	3.7	4	6.3
12	3.3	2.9	3.6	3.9	3.7	4	4.8	5.6	6.9	7.4	6.4	7	7.4	7.4	6.6	5.2	4.1	3.3	0.8	2.1	1.7	0.9	0.6	1.5	4.2
13	1.3	1.1	0.6	1.2	1.2	0.8	1.1	1.9	3.1	3.8	4.5	6	6.3	4.5	4	3.8	4.8	5	3.2	2.6	1.6	1.1	1.7	1.6	2.8
14	1.6	1	1.4	0.9	1.2	1.3	2.4	3.5	4.1	4.5	5.6	6.7	6.8	8	8.4	7.7	6.4	5.9	5	5.5	5.6	5.9	7.1	7.2	4.7
15	6.3	5	5.1	4.9	5.2	5.1	5.7	8.1	9.1	10.2	10.1	9.2	8.6	7.3	7.4	8.2	8	6.1	3.8	5.4	6.9	7.3	6.3	5.5	6.9
16	4.9	5.3	5.2	4.9	4	4	4.7	6.6	8.2	8.5	7.9	7.3	7	7.1	8.2	7.9	7.8	6.3	4.7	5	5.4	5.7	6.5	5.9	6.2
17	5	4.7	3.9	2.6	2.2	2.9	3.5	4.3	4.2	2.9	5.1	5.8	5.8	5.9	5.6	6	5.4	4.8	4.5	3.7	3.3	2.8	0.6	0	4
18	0	0.4	0.5	1.9	1.9	2.6	3.4	5.1	6.3	7	7	7.4	7.1	6.9	6.4	8	6.4	6.1	5.6	5	4.2	3.7	2.5	4.7	4.7
19	2.8	3.4	3.6	3.7	3.9	4.4	5.4	4.5	5.4	5	4.8	4.9	4.8	5	4.8	4	4	4.1	3.3	2	2.1	2.4	2.8	2.1	3.9
20	1.8	1.1	0.4	1.6	0.8	1.4	1.6	1.1	2.3	2.4	2.7	3.1	2.6	3.9	4.9	4.8	5.1	5.4	3	2.7	2.5	3.4	3.3	1.1	2.6
21	1	0.9	0.6	1.6	0.9	1.3	1	1.7	2.7	3.2	3.7	5	5.5	5.3	5.7	5.2	6.5	4.5	4	5.2	5	4.8	3.1	2.2	3.4
22	1.8	1.7	0.2	3.7	4.6	3.1	2.7	3	4.2	3.9	6.5	6	5.6	4.9	8.3	7.5	6.1	8.5	7.7	7.2	6.2	5.9	6	6	5.1
23	4.7	4.7	5.7	5.6	5.1	3.6	5.3	6.6	6.2	5.8	5.7	6.3	6.5	7.3	9.7	8.4	7.8	8	7.6	6.2	5.1	4.5	2.9	3.1	5.9
24	2.1	2.8	5.3	4.5	4.1	3.6	3.4	4.8	5.4	6.7	7.5	8.2	9.2	9.6	9.4	8.6	6.6	6.9	2.2	1.2	1.3	0.9	1.5	2.5	4.9
25	2.1	2.3	2.8	2.5	2.8	3.1	3.5	5	3.8	4.8	6.3	6.4	7.9	7.1	7.8	6.3	5.4	5.3	3.5	2	1.7	2.3	2	2.2	4.1
26	2.4	2.7	2.7	2.4	4	4.4	3.8	5.7	7.6	7.9	8.6	9.4	7.8	8.4	7.3	6.3	4.5	6.3	3.8	2.2	2.9	5.1	4.9	4.2	5.2
27	5.4	7	6.5	5.3	5.1	3.6	5.7	5.9	7.4	7	5.6	4	3.2	3.3	5.3	5.3	5	5.5	5	4.6	3.1	2.2	3.1	3.1	4.9
28	3.2	3.1	2.5	2.4	2.7	3	3.8	4.6	5.3	6.8	6.5	6	6.1	5.5	6	8.4	4.5	4	2.8	2.2	2	4	2.3	2	4.1
29	1.6	1.1	4.3	4.1	2.4	2.6	2.3	3.2	3.4	3.5	4.1	2.4	2.4	3.9	3.6	2.8	2.5	2.4	2.5	2.1	1.7	2.9	2.2	1.4	2.7
30	0.7	1.5	0.8	1.1	1	1.7	2.2	2.5	3.9	5.1	6.4	7	6.3	5.9	6.6	6.4	7.3	6.9	4.3	5.3	3.9	3.6	3.8	4.7	4.1
Avg	3.3	3.4	3.5	3.6	3.4	3.4	3.7	4.6	5.5	6	6.2	6.5	6.4	6.5	6.9	6.6	6.1	5.4	3.9	3.6	3.4	3.6	3.5	3.3	4.7
SD	2.1	2.2	2.3	2	2	1.9	2.1	2.2	2.2	2.4	1.9	2	1.9	1.9	1.8	1.7	1.6	1.5	1.6	1.7	1.8	2	1.9	2	1.1
S/A	0.66	0.65	0.67	0.56	0.6	0.57	0.58	0.47	0.4	0.39	0.31	0.31	0.3	0.29	0.27	0.26	0.26	0.27	0.41	0.46	0.54	0.55	0.55	0.59	0.25
Min	0	0	0.2	0.9	0.2	0.3	0.9	1.1	2.3	2.4	2.3	2.4	2.4	2.6	3.6	2.8	2.5	2.4	0.8	1.2	0.5	0.2	0.6	0	2.6
Max	7.5	8	7.7	8.1	8.7	9.6	9.6	9.7	11	10.9	10.8	9.9	9.3	10.2	10.3	9.9	8.8	8.5	7.7	7.2	6.9	7.4	7.2	7.3	6.9
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.

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

April 2012

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	1008	1008	1008	1008	1008	1009	1009	1010	1010	1011	1011	1010	1009	1008	1007	1006	1006	1006	1006	1005	1005	1004	1003	1001	1007
2	1001	999	998	998	999	1000	1002	1004	1005	1006	1007	1008	1008	1008	1008	1008	1008	1009	1010	1010	1011	1012	1012	1012	1006
3	1012	1013	1012	1012	1013	1014	1015	1015	1015	1015	1015	1014	1013	1012	1012	1011	1010	1010	1010	1010	1009	1009	1009	1009	1012
4	1008	1007	1006	1006	1005	1006	1006	1006	1006	1005	1004	1004	1003	1002	1001	1000	1001	1001	1001	1001	1001	1001	1001	1002	1004
5	1002	1002	1002	1003	1004	1005	1006	1006	1008	1009	1010	1009	1009	1009	1008	1008	1008	1008	1008	1009	1009	1009	1009	1009	1007
6	1009	1008	1008	1008	1008	1008	1009	1009	1010	1011	1012	1012	1012	1011	1011	1011	1012	1013	1013	1014	1014	1014	1015	1015	1011
7	1015	1015	1016	1016	1017	1018	1019	1019	1020	1020	1020	1020	1019	1019	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
8	1017	1016	1016	1016	1016	1016	1016	1017	1017	1016	1015	1014	1014	1012	1011	1011	1010	1010	1010	1010	1010	1009	1009	1009	1013
9	1010	1010	1011	1012	1012	1013	1014	1014	1014	1014	1013	1012	1011	1010	1009	1008	1008	1008	1008	1008	1008	1008	1008	1007	1010
10	1008	1009	1009	1009	1009	1010	1010	1011	1010	1010	1010	1009	1008	1007	1006	1005	1005	1005	1004	1005	1005	1005	1005	1006	1007
11	1007	1007	1008	1008	1009	1010	1010	1011	1011	1012	1011	1011	1011	1011	1011	1012	1012	1013	1014	1015	1015	1015	1015	1015	1011
12	1015	1015	1015	1015	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1018	1018	1018	1019	1019	1020	1020	1018
13	1020	1020	1019	1019	1019	1020	1021	1021	1022	1022	1023	1022	1022	1022	1021	1021	1021	1022	1022	1022	1022	1023	1023	1023	1021
14	1023	1023	1023	1023	1024	1024	1025	1025	1025	1025	1024	1024	1023	1022	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1022
15	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1019	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019
16	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1019	1019	1018	1017	1017	1016	1016	1016	1017	1017	1017	1017	1016	1018
17	1016	1016	1016	1016	1017	1017	1018	1018	1019	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018
18	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1020	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1016	1016	1018
19	1016	1015	1014	1014	1014	1015	1015	1016	1016	1016	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015
20	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1013	1012	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1012
21	1010	1009	1009	1008	1008	1008	1008	1008	1009	1009	1009	1008	1007	1006	1005	1005	1004	1004	1004	1005	1005	1005	1005	1005	1007
22	1004	1004	1004	1003	1002	1003	1003	1002	1001	1000	998	996	994	992	990	990	990	991	992	992	993	994	994	994	997
23	994	993	993	994	994	994	995	995	995	995	996	996	996	995	996	996	997	998	999	1001	1002	1002	1002	1002	997
24	1002	1002	1002	1002	1002	1003	1003	1004	1004	1004	1004	1003	1002	1002	1002	1002	1003	1003	1003	1004	1005	1005	1006	1006	1003
25	1006	1007	1007	1007	1008	1009	1010	1010	1011	1011	1011	1011	1010	1010	1009	1009	1009	1010	1010	1011	1012	1012	1012	1012	1010
26	1011	1011	1011	1011	1010	1009	1009	1007	1007	1006	1005	1005	1005	1005	1004	1003	1004	1004	1005	1005	1005	1005	1006	1006	1007
27	1006	1006	1007	1007	1008	1009	1011	1013	1014	1014	1015	1015	1015	1015	1015	1015	1015	1016	1016	1018	1018	1018	1019	1019	1013
28	1019	1019	1019	1019	1019	1020	1021	1021	1022	1022	1021	1021	1021	1021	1021	1017	1018	1019	1018	1018	1018	1018	1018	1018	1019
29	1017	1017	1019	1019	1019	1020	1020	1020	1021	1021	1021	1021	1021	1021	1020	1020	1020	1020	1020	1019	1020	1021	1021	1022	1020
30	1022	1021	1021	1021	1021	1022	1023	1023	1024	1024	1023	1023	1023	1022	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1022
Avg	1012	1011	1011	1011	1012	1012	1013	1013	1013	1014	1014	1013	1013	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012
S/D	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7	7
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Min	994	993	993	994	994	994	995	995	995	995	996	996	994	992	990	990	990	991	992	992	993	994	994	994	997
Max	1023	1023	1023	1023	1024	1024	1025	1025	1025	1025	1024	1024	1023	1022	1021	1021	1021	1021	1022	1022	1022	1023	1023	1023	1022
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

April 2012

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	12.6	13.4	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
2	12.8	12.8	12.8	12.8	12.8	12.7	12.8	13.2	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13.1
3	12.7	12.7	12.7	12.7	12.7	12.6	13.4	13.7	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
4	12.8	12.8	12.8	12.7	12.7	12.7	13	13.5	13.4	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13	12.9	12.9	12.8	12.8	12.8	12.7	12.7	13
5	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5	13	12.9	12.9	12.8	12.8	12.8	12.8	13.1
6	12.8	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.8	13.3	13.5	13.7	13.6	13.6	13.6	13.5	13.5	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
7	12.7	12.7	12.7	12.7	12.6	12.6	13.4	13.7	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13.1
8	12.8	12.7	12.7	12.7	12.7	12.7	13.5	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13	12.9	12.9	12.9	12.8	12.8	12.8	13.1
9	12.8	12.8	12.7	12.7	12.7	12.7	13.3	13.6	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
10	12.8	12.8	12.7	12.7	12.7	12.7	13.2	13.6	13.5	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.9	12.9	12.9	12.9	12.8	13.1
11	12.8	12.8	12.8	12.7	12.7	12.7	13.3	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.6	13.5	13.3	12.9	12.9	12.8	12.8	12.8	12.8	13.1
12	12.8	12.7	12.7	12.7	12.6	12.6	13.6	13.8	13.6	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.5	13.2	12.9	12.9	12.9	12.8	12.8	12.8	13.1
13	12.8	12.8	12.7	12.7	12.7	12.7	13	13.7	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13.1
14	12.7	12.7	12.7	12.7	12.6	12.6	13.5	13.6	13.5	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2	13.1	12.9	12.9	12.9	12.8	12.8	12.8	13
15	12.8	12.8	12.7	12.7	12.7	12.7	13.1	13.4	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13	12.9	12.9	12.9	12.8	12.8	12.8	13
16	12.8	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.3	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13	12.9	12.9	12.8	12.8	12.8	12.8	13
17	12.7	12.7	12.7	12.7	12.7	12.7	13.2	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.9
18	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.5	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.3	12.9	12.9	12.8	12.8	12.8	12.8	13
19	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.3	13	12.9	12.9	12.8	12.8	12.8	13.1
20	12.8	12.8	12.8	12.7	12.7	12.7	12.8	13.3	13.5	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	12.9	12.9	12.8	12.8	12.8	12.8	13
21	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.4	13.4	13.3	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
22	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13	13	12.9	13	13.3	13.1	12.9	12.8	12.7	12.6	12.6	12.6	12.6	12.6	12.8
23	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.5	13.6	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.3	13.3	12.9	12.9	12.8	12.8	12.8	12.8	13.1
24	12.8	12.7	12.7	12.7	12.7	12.7	13.4	13.7	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.2	13.2	12.9	12.9	12.8	12.8	12.8	12.8	13.1
25	12.8	12.7	12.7	12.7	12.7	12.7	13.5	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13.1
26	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13.1	13.5	13.3	13.3	13.2	13.2	13.2	13.3	13.2	13.1	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
27	12.8	12.8	12.7	12.7	12.7	12.7	13	13.3	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
28	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.5	13.4	13.5	13.5	13.5	13.4	13.1	13.5	13.2	12.9	12.9	12.9	12.8	12.8	12.8	12.8	13
29	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13.4	13.5	13.5	13.5	13.4	13.4	13.5	13.4	13.4	13.4	13.2	13	12.9	12.9	12.8	12.8	12.8	13.1
30	12.8	12.8	12.8	12.8	12.7	12.7	13.2	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2	12.9	12.9	12.9	12.8	12.8	12.8	13.1
Avg	12.8	12.7	12.7	12.7	12.7	12.7	13	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
SD	0	0	0	0	0	0	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0	0	0	0	0	0.1
StA	0	0	0	0	0	0	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0.01
Min	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.8	13	13	12.9	13	13.1	13.1	12.9	12.8	12.7	12.6	12.6	12.6	12.6	12.6	12.8
Max	12.8	12.8	12.8	12.8	12.8	12.7	13.6	13.8	13.6	13.6	13.6	13.7	13.6	13.6	13.6	13.6	13.5	13.3	13	12.9	12.9	12.9	12.9	12.8	13.1
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.