

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

May 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	17	61	156	219	300	601	804	841	714	630	549	363	79	3	0	0	0	0	0	5337
2	0	0	0	0	0	24	96	315	532	712	846	896	934	725	579	512	346	157	28	0	0	0	0	0	6703
3	0	0	0	0	0	16	47	94	157	253	497	797	869	841	734	571	375	180	35	0	0	0	0	0	5467
4	0	0	0	0	0	10	79	240	550	649	795	887	952	772	399	371	203	169	14	0	0	0	0	0	6091
5	0	0	0	0	0	21	157	378	580	730	821	719	627	296	234	71 ?	?	37	14	0	0	0	0	0	4684 ?
6	0	0	0	0	0	8	33	109	159	300	225	368	873	920	644	534	375	76	10	0	0	0	0	0	4635
7	0	0	0	0	0	40	179	390	594	783	920	988	992	923	797	622	414	198	39	0	0	0	0	0	7879
8	0	0	0	0	0	40	196	408	616	806	887	982	999	909	770	621	420	189	31	0	0	0	0	0	7873
9	0	0	0	0	0	32	172	427	568	549	823	660	852	591	183	106	40 ?	?	1	0	0	0	0	0	5003 ?
10	0	0	0	0	0	19	193	416	619	791	950	939	747	514	661	403	300	189	25	0	0	0	0	0	6765
11	0	0	0	0	0	39	204	420	624	802	939	1018	1016	954	824	645	438	221	44	0	0	0	0	0	8188
12	0	0	0	0	0	52	215	409	578	763	827	926	827	619	597	360	308	160	28	0	0	0	0	0	6669
13	0	0	0	0	0	29	132	225	475	656	755	748	785	725	562	360	183	91	14	0	0	0	0	0	5741
14	0	0	0	0	0	12	93	188	177	282	421	512	841	650	744	528	132	44	22	0	0	0	0	0	4645
15	0	0	0	0	0	15	145	297	507	621	543	816	338	238	495	138	35 ?	35	15	0	0	0	0	0	4238
16	0	0	0	0	1	29	86	141 ?	240	374	372	961	896	861	597	87 ?	106 ?	38	20	0	0	0	0	0	4806 ?
17	0	0	0	0	3	25	132	140	218	396	669	319	372	188	119	89	82	41	6	0	0	0	0	0	2797
18	0	0	0	0	1	44	188	370	436	664	829	969	934	785	552	462	244	111	35	1	0	0	0	0	6626
19	0	0	0	0	1	42	223	415	601	774	939	991	903	932	776	601	503	233	45	2	0	0	0	0	7980
20	0	0	0	0	4	23	66	151	193	199	215	286	241	248	287	96	41 ?	28	11	2	0	0	0	0	2091
21	0	0	0	0	1	52	167	315	368	704	919	969	465	954	406	308	309	230	57	3	0	0	0	0	6226
22	0	0	0	0	3	22	86	196	225	519	837	982	691	512	280 ?	?	?	?	5 ?	1	0	0	0	0	4359 ?
23	0	0	0	0	3	24	143	239	230	489	767	583	598	500	592	587	413	230	61	16	0	0	0	0	5473
24	0	0	0	0	2	49	177	413	607	732	866	927	931	908	806	559	257	159	62	3	0	0	0	0	7458
25	0	0	0	0	1	28	169	445	639	502	828	893	721	736	513	325	358	251	75	10	0	0	0	0	6495
26	0	0	0	0	4	60	229	382	501	781	801	823	989	973	795	618	452	238	59	4	0	0	0	0	7711
27	0	0	0	0	2	58	134	342	489	710	869	943	885	916	618	629	374	168	57	3	0	0	0	0	7196
28	0	0	0	0	5	63	215	258	399	419	831	988	872	616	707	527	433	226	62	5	0	0	0	0	6626
29	0	0	0	0	4	37	157	355	595	705	915	749	751	402	284	211	260	160	42	7	0	0	0	0	5632
30	0	0	0	0	6	35	133	113	95	71	68	90 ?	?	?	68 ?	80 ?	35 ?	116	57	12	0	0	0	0	978 ?
31	0	0	0	0	6	53	216	402	612	775	901	969	969	829	656	576	453	233	50	14	0	0	0	0	7714
Avg	0	0	0	0	2	33	146	295	432	575	725	790	790	692	545	405	285	148	33	3	0	0	0	0	5809
S D	0	0	0	0	2	16	56	116	182	212	239	243	206	237	218	205	147	75	21	4	0	0	0	0	1754
S/A	0	0	0	0	1.24	0.47	0.39	0.39	0.42	0.37	0.33	0.31	0.26	0.34	0.4	0.51	0.52	0.51	0.64	1.72	0	0	0	0	0.3
Min	0	0	0	0	0	8	33	94	95	71	68	90	241	188	68	71	35	28	1	0	0	0	0	0	978
Max	0	0	0	0	6	63	229	445	639	806	950	1018	1016	973	824	645	503	251	75	16	0	0	0	0	8188
n	0	0	0	0	27	361	372	366	371	370	372	365	360	360	363	332	309	344	353	23	0	0	0	0	5048

Daylight Data Recovery: 0.0% missing; 0.0% untested; 3.5% exceed the 15% QC threshold -- 5232 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.

May 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	*
31	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	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	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 -- 5232 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

May 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	19	61	156	219	300	558	712 ?	753 ?	664 ?	610 ?	527 ?	354	79	3	0	0	0	0	0	5016 ?
2	0	0	0	0	0	24	96	230	246	238	266	256	236	283	241	203	151	99	25	0	0	0	0	0	2593
3	0	0	0	0	0	16	47	94	157	253	496	493	329	271	189	151	125	83	25	0	0	0	0	0	2730
4	0	0	0	0	0	11	79	236	297	268	287	260	274	348	352	316	198	140	13	0	0	0	0	0	3080
5	0	0	0	0	0	21	109	171	150	158	270	351	357	275	224	71 ?	17 ?	35	14	0	0	0	0	0	2226 ?
6	0	0	0	0	0	8	33	109	159	300	225	367	457	293	433	418	322 ?	76	10	0	0	0	0	0	3211
7	0	0	0	0	0	24	64	89	103	98	99	107	121	249	472	569 ?	?	189	39	0	0	0	0	0	2223 ?
8	0	0	0	0	0	22	63	85	102	204	147	160	239	499	630 ?	?	?	168	31	0	0	0	0	0	2351 ?
9	0	0	0	0	0	30	105	182	302	429	505	572	619	515	182	94	30 ?	?	1	0	0	0	0	0	3565 ?
10	0	0	0	0	0	16	73	86	92	107	213	461	530 ?	510	433 ?	263 ?	209 ?	139 ?	25	0	0	0	0	0	3153 ?
11	0	0	0	0	0	27	66	91	100	161	401	693 ?	?	?	?	?	?	185 ?	44	0	0	0	0	0	1769 ?
12	0	0	0	0	0	24	63	123	226	414	651 ?	763 ?	727 ?	619	585	360	308	160	28	0	0	0	0	0	5051 ?
13	0	0	0	0	0	29	127	192	372	475 ?	563 ?	674 ?	664 ?	616 ?	537	336	183	91	14	0	0	0	0	0	4874 ?
14	0	0	0	0	0	12	93	186	175	278	419	511	661 ?	553 ?	572 ?	419 ?	132	42	22	0	0	0	0	0	4074 ?
15	0	0	0	0	?	15	140	236 ?	250 ?	579 ?	415 ?	375 ?	338	238	495	138	30	35	15	0	0	0	0	0	3298 ?
16	0	0	0	0	?	29	86	104 ?	223	373	331	?	586 ?	588 ?	456 ?	87 ?	90	38	20	0	0	0	0	0	3009 ?
17	0	0	0	0	?	25	132	140	218	396	587 ?	319	372	188	119	89	82	41	6	0	0	0	0	0	2712
18	0	0	0	0	1	44	137 ?	210 ?	411	588 ?	745 ?	?	692 ?	753 ?	552	430	244	111	35	1	0	0	0	0	4954 ?
19	0	0	0	0	1	42	198 ?	334 ?	?	513 ?	?	?	?	?	?	553 ?	?	175 ?	45	1	0	0	0	0	1862 ?
20	0	0	0	0	?	23	66	151	193	199	215	286	241	248	287	87	33	27	11	2	0	0	0	0	2069
21	0	0	0	0	1	52	153	244 ?	305	492 ?	?	705 ?	431	?	376	308	248 ?	189 ?	57	3	0	0	0	0	3565 ?
22	0	0	0	0	3 ?	22	86	196	225	467	605 ?	?	378 ?	486	168 ?	27 ?	19 ?	13 ?	7	1	0	0	0	0	2704 ?
23	0	0	0	0	3 ?	24	120	219	230	465	650 ?	559	546	436	461 ?	439 ?	320 ?	211	64	?	0	0	0	0	4747 ?
24	0	0	0	0	2 ?	49	164	342 ?	?	625 ?	675 ?	751 ?	675 ?	?	?	321 ?	140 ?	148	62	3	0	0	0	0	3957 ?
25	0	0	0	0	1	28	130	371 ?	?	371 ?	523 ?	548 ?	417 ?	332 ?	501	324	340	220 ?	75	11 ?	0	0	0	0	4193 ?
26	0	0	0	0	6 ?	60	203 ?	382 ?	460 ?	579 ?	650 ?	659 ?	758 ?	?	584 ?	341 ?	?	199 ?	59	4	0	0	0	0	4944 ?
27	0	0	0	0	2	58	134	312 ?	347 ?	375 ?	703 ?	618 ?	654 ?	?	396 ?	483 ?	282 ?	168	57	3	0	0	0	0	4592 ?
28	0	0	0	0	7 ?	63	207	258	347	383	545 ?	?	673 ?	388 ?	415 ?	351 ?	351 ?	221	62	5	0	0	0	0	4276 ?
29	0	0	0	0	4	37	122	270 ?	496 ?	598 ?	?	489 ?	581 ?	344	284	211	260	131	42	7	0	0	0	0	3874 ?
30	0	0	0	0	5 ?	35	123	113	95	71	68	70	47 ?	44 ?	62	61	29 ?	116	57	12	0	0	0	0	1007 ?
31	0	0	0	0	6	53	207	338 ?	?	?	?	?	?	529 ?	394 ?	406 ?	363 ?	233	50	14	0	0	0	0	2591 ?
Avg	0	0	0	0	2	30	112	202	241	359	437	470	477	411	393	289	187	125	33	2	0	0	0	0	3364 ?
S D	0	0	0	0	2	15	48	91	112	162	200	207	202	173	160	162	121	67	21	4	0	0	0	0	1117
S/A	0	0	0	0	1.36	0.5	0.43	0.45	0.46	0.45	0.46	0.44	0.42	0.42	0.41	0.56	0.65	0.54	0.65	1.79	0	0	0	0	0.33
Min	0	0	0	0	0	8	33	85	92	71	68	70	47	44	62	27	17	13	1	0	0	0	0	0	1007
Max	0	0	0	0	7	63	207	382	496	625	745	763	758	753	630	569	363	233	75	14	0	0	0	0	5051
n	0	0	0	0	17	356	353	310	295	286	239	214	218	238	259	226	232	321	354	21	0	0	0	0	3945

Daylight Data Recovery: 0.0% missing; 0.0% untested; 24.6% exceed the 15% QC threshold -- 5232 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

May 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	19	19.1	18.9	19.2	19.7	19.7	20	20.6	21	22.2	23.9	25.2	26.2	26.8	27.3	28.3	28.7	27.6	25.6	19.5	19.1	19.2	19.9	20.5	22.4
2	20.2	20	19.7	19.6	19.6	19.5	19.8	21.1	23.2	24.9	26.3	27.5	28.5	30.2	30.7	30.9	30.9	28.5	25.5	23.6	19.8	17.7	16.8	16.3	23.4
3	16	15.9	16	15.9	16	15.9	16.1	16	16.5	16.8	18.3	20.2	23	24.2	25.6	26.4	25.2	23.4	21.5	19.9	19	18.3	17.9	17.5	19.2
4	17.3	17.2	17.2	17.2	17.2	17.5	18.1	18.8	20.5	23.9	26.5	28.6	30	30.5	30.7	30.7	30.1	30.1	28.7	26.7	25.3	25.3	24.8	23.7	24
5	21.6	20.4	19.9	19.8	19.8	19.6	20.8	22.5	24.8	25.9	27.4	27.8	28.4	28.3	27.7	23.8	19.6	19.8	20	20	19.1	18.7	18.8	18.2	22.2
6	17.8	18.4	18.4	17.6	17.1	16.9	16.8	16.9	17.4	18	18.8	18.8	19.8	19.8	19.7	19.1	18.9	16.9	16.2	15.8	15.6	15.2	14.8	14.6	17.5
7	14.2	14	13.6	13.6	13.7	13.7	14.9	16.9	18.3	19.7	20.4	20.5	20.5	20.5	20.4	20	19.9	19.3	18.1	17	16.5	16.5	16.3	15.6	17.3
8	15	15.6	16.3	15.7	16.3	15.9	17.6	19.4	20.5	21.2	22	22.8	23.7	24.6	24.8	25	25	24.1	22.7	21.7	20.9	20.5	20.2	19.8	20.5
9	19.2	18.7	18.3	18.3	18.6	19	20.2	21.8	23	23.7	24.9	25.2	26	26.3	25.8	21.8	19.8	18.6	18.3	18.4	18.3	18.3	17.7	16.6	20.7
10	16	15.6	14.9	14.6	14.2	13.6	14	15.8	17.5	18.7	19.4	20.2	20.3	20.7	21.5	21.3	21.4	21.4	20.3	19.1	17.8	17.2	16.9	16.7	17.9
11	16.3	15.6	15.4	14.8	14	13.5	14.5	16.2	17.7	19.1	19.7	20.3	20.9	21.4	21.8	22.4	20.7	19.4	18.4	17	16.3	16	15.4	14.9	17.6
12	15	14.8	14.5	14.2	14.1	14.1	15.9	18.1	20	21.8	22.8	23.5	23.9	23.9	23.9	23.6	23.5	23.2	21.8	20.6	19.4	18.5	18.1	17.7	19.5
13	17.9	17.3	16.3	16.7	17.2	17.1	18	19.4	21.3	21.9	22.7	23.2	23.8	24.1	23.8	23.3	22.6	22	21.3	20.8	20.3	20	19.8	19.5	20.4
14	19.3	19.2	19.1	19.4	19.4	19.4	19.8	20.7	21.5	21.8	22.7	23.1	23.7	24.2	24.4	24.4	24.4	23.5	22.7	22	21.5	21.4	20.7	20.2	21.5
15	20.1	20.6	20.5	20.4	20.5	20.9	21.6	22.3	22.6	24.5	25.2	26	23.9	23.6	23.9	23.5	22.5	22.2	21.8	21.2	20.6	20.5	20.5	20.6	22.1
16	20.7	20.9	20.9	20.9	20.9	21.2	21.6	22	22.1	23.1	23.8	25.1	26.4	26.9	26.9	22.8	19.9	19.5	20	20.4	20.9	20.8	21	21.1	22.1
17	20.6	20.5	20.4	20	19.6	19.7	20.2	20.4	21.1	22.3	23.5	23.5	22.6	20.9	19	18.2	17.8	17.3	17	16.8	16.8	16.9	16.9	16.9	19.5
18	16.5	16.2	15.6	14.8	14.7	14.6	15.6	17.8	18.5	19.1	19.6	20.1	20	20	19.6	19.4	18.6	17.6	16.8	16.1	15.6	15.2	14.8	14.1	17.1
19	13.3	12.7	12.3	11.8	12.2	12.6	13.8	15.4	17.2	19	19.6	20.4	21	21.2	21.2	20.9	21.1	20.6	19.6	18.2	17.2	16.2	15.1	14.9	17
20	14.9	15.8	16.3	16	15.7	16.1	16.4	16.7	17.2	17.4	18.2	18.3	18.5	18.8	19.1	19	18.5	18.2	18.2	18.3	18.3	18.4	18.5	18.5	17.5
21	18.5	18.4	18.3	18.1	18.2	18.1	18.9	20	20.6	22.6	23.5	24.6	24.2	24.3	23.4	22.8	22.9	21.9	20.7	20.1	19.3	18.9	18.1	17.7	20.6
22	17.4	17.4	17.3	17.9	18.4	18.6	19	19.8	20.7	21.5	23.5	25.4	25.8	25.8	23.4	18.9	18.9	19.1	18.6	18.6	18.5	18.5	18.6	18.5	20
23	18.4	18.4	18.5	18.5	18.3	18.9	19.5	21	22.1	23.2	24.1	24.2	24.9	25.4	26.2	26.8	26.9	26.3	25.6	24.5	23.6	22.9	21.8	20.5	22.5
24	18.1	18.1	18.6	19	19.4	19.6	20	21.5	23.1	24.5	25.3	25.7	26	25.9	25.9	25.8	25	24.8	24.8	24.2	23.6	23	22.7	22.8	22.8
25	22.8	22.6	22.5	22.3	21.8	21.5	22.4	23.8	25.4	24.6	24.7	25.3	23.6	24.9	24.3	24.5	24.7	24.5	23.5	22.4	21.8	21.3	21	20.7	23.2
26	20.6	20.7	20.6	20.8	20.7	20.6	21.8	23.3	24.1	25.2	25.7	25.9	26.5	26.6	26.6	26.3	25.8	25.2	24.5	23	22.1	21.6	21.2	21.3	23.4
27	21.6	21.4	21.3	21.2	20.8	20.6	22.3	23.4	24.8	25.5	26.3	26.7	26.8	26.8	26.9	27	27.2	26.3	25.8	24.9	24.3	23.9	23.4	23	24.3
28	22.9	22.8	22.7	22.5	22.2	22.6	23.5	24.5	25.3	26.1	27.1	29	29.9	29.9	29	29	28.8	28.6	27.6	26.4	25.5	24.8	24.4	23.8	25.8
29	23.4	23.1	22.8	22.9	22.9	23.1	23.6	24.4	26	26.5	27.8	28.8	28.7	26.7	26.2	26.3	25.8	26.7	26.2	25.6	25.1	24.7	24.3	23.8	25.2
30	23.5	23.4	23.4	23.4	23.4	22.9	22.9	22.2	21.7	21.6	21.4	21.4	21.4	20.9	20.5	20.7	20.6	20.7	20.8	20.6	20.2	19.9	19.9	20	21.6
31	19.5	19.2	19	18.7	18.6	18.9	20.3	22.4	24.2	26	27.6	29.2	29.8	29.9	30.1	30.6	30.8	30.5	28.2	25.1	24	23.8	23.2	22.7	24.7
Avg	18.6	18.5	18.4	18.3	18.2	18.2	19	20.2	21.3	22.3	23.3	24.1	24.5	24.6	24.5	24	23.4	22.8	21.9	20.9	20.2	19.8	19.5	19.1	21.1
S D	2.8	2.8	2.8	2.9	2.9	3	2.9	2.7	2.8	2.8	2.9	3.2	3.2	3.3	3.4	3.7	3.9	3.9	3.5	3.1	2.9	2.9	2.9	2.9	2.6
S/A	0.15	0.15	0.15	0.16	0.16	0.16	0.15	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.14	0.15	0.17	0.17	0.16	0.15	0.14	0.15	0.15	0.15	0.12
Min	13.3	12.7	12.3	11.8	12.2	12.6	13.8	15.4	16.5	16.8	18.2	18.3	18.5	18.8	19	18.2	17.8	16.9	16.2	15.8	15.6	15.2	14.8	14.1	17
Max	23.5	23.4	23.4	23.4	23.4	23.1	23.6	24.5	26	26.5	27.8	29.2	30	30.5	30.7	30.9	30.9	30.5	28.7	26.7	25.5	25.3	24.8	23.8	25.8
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 total measurements.

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 1.00 deg C/mV Calibration Date: 03/1988

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

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

Prepared by: Afshin M. Andreas, NREL

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

May 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	100.5	103.7	?	?	?	?	?	?	?	101.7	92.5	86.9	84	82.5	81.7	78.8	77.5	81.5	86.9	102.7 ?	?	103.6 ?	101.8	103.1	91.8 ?
2	103.4	102.3	101.8	103	104.5	?	?	103.2	98	93.8	90.9	87.1	84.7	74.7	69.8	66.9	66.1	79.4	89.4	94.3	103.3 ?	?	?	?	90.3 ?
3	?	?	?	?	?	?	?	?	?	?	103.5 ?	101	94.3	92.5	89.5	87.5	92.3	95.9	99.6	103.1	104.8 ?	?	?	?	96.7 ?
4	?	?	?	?	?	?	?	?	?	96.2	85.4	75.3	72.7	72.7	62.1	62.4	66.5	68	70.3	81.5	89.8	86.3	73.6	80.9	76.2 ?
5	97.9	104.8 ?	?	?	?	?	104.1 ?	100.1	92.4	87.7	83	82.5	78.6	78.1	83	97.3 ?	?	?	?	?	?	?	?	?	90.8 ?
6	?	?	?	?	?	?	?	?	104.5 ?	103	102	100.7	97.8	96.5	95.4	96.9	97.7	102.9	104.4	104.6 ?	?	?	?	?	100.8 ?
7	?	?	?	?	?	?	101.8 ?	90.7	80.1	71.6	71.1	72.5	69.5	68.3	70.9	76.7	80.3	83.2	89	94.8	98.6	101.1	103.3	?	83.7 ?
8	?	?	?	103.8 ?	99.4	100.8	97.1	91.4	79.1	78.3	75.4	71.2	68.7	63.7	64.4	65.8	67.1	73.1	82.5	90.9	96.4	98.6	100	100.9	84.2 ?
9	104.1	104.6 ?	?	?	?	?	104	100.5	94.5	89.2	82.1	82.5	79.5	78.3	79.7	100.4	?	?	?	?	?	?	?	?	91.6 ?
10	?	?	105 ?	?	?	?	104 ?	98.3	85.9	77.6	71.5	67.3	68.7	66.3	64.8	66	63.4	61.3	66.5	76.3	86.2	88.4	88	89.5	78.7 ?
11	93.2	96.3	99.5	99.6	101.8	104.3	96.7	82.9	73.2	61.9	51.1	41.5	40.5	37.5	37.7	37.2	54.1	63.9	72.5	80	82.4	84	91.1	97.8	74.2
12	96.1	96.9	99.4	102.4	103.8 ?	?	103.8 ?	98.7	82.2	62.6	53.5	46.2	45.3	45.4	48.4	50.1	53.6	54.1	62.6	72.7	79.5	82.3	83.9	88	74.4
13	89.8	96.4	100.9	102.3	102.8	104.7	102.8	97.8	80.1	73.2	69.8	66.7	62.5	63.3	67	68.6	73.3	76	80.8	83.7	86.5	90.4	92.7	95.2	84.5
14	97.4	97.9	97.5	95.6	95	95.6	96.8	95.3	90.4	90.3	84.2	81.5	78.2	73.4	75.9	77.6	82.3	88.7	96.5	97.5	97.9	100.6	102.8 ?	?	90.8
15	?	?	?	?	?	?	?	104.4 ?	103.5 ?	96.9	91.7	84	96	99.6	101	101.6	104.2	104.5	103.2	101.9	103.5	?	?	?	99.7 ?
16	?	?	?	?	?	?	?	?	?	102.9 ?	100.9	93.2	86.7	84.2	75.4	85.7 ?	?	102.2 ?	101.5	104.6	101.5	102.4	102.4	103.2	96.2 ?
17	104.9 ?	?	?	?	?	?	?	?	103.9 ?	100.6	96.9	95.2	98.5	102.5	103.6	103.9	102.8	102.9	102.6	102.1	101.3	100.5	97.5	92.6	100.7 ?
18	97.1	100.4	103.5	103.6	101	99.3	99.9	97.2	90.4	86.7	83.7	82.1	80.5	79.7	79	76.2	78.6	84.7	85.9	89	94.8	96.6	97	100	91.1
19	103.5	104.8	?	?	?	104.7 ?	102.1	98.7	95.6	89	86.6	73.5	53.6	47.5	49.2	53.3	58.3	60.6	66.8	75	79.8	84.2	88.7	88	79.2 ?
20	90.2	77.2	77	88.5	98.4	102.4	104.6 ?	?	104.9 ?	104.9 ?	103.9	104.8 ?	104.8 ?	?	?	?	?	?	?	?	?	?	?	?	96.8 ?
21	?	?	?	?	?	?	?	100.4	98.6	91	87.4	84.2	89.7	92.7	94.5	96.2	95.8	97.4	102.6	104	?	?	?	?	95 ?
22	?	?	?	?	?	?	?	?	103.8 ?	101.4	95.3	92.6	93.1	88.3	95.3	?	?	?	?	?	?	?	?	?	95.7 ?
23	?	?	?	?	?	?	?	104.6	101.4	95.4	91.3	94	91.6	90.2	86.1	83	81.5	87.9	88.1	90.5	96.9	94.4	95.4	100.1	92.5 ?
24	?	?	105 ?	105 ?	?	104.5 ?	104.9 ?	101	94.9	93.9	91.7	92.7	93.1	93.2	93.8	94.9	97.2	96.1	97.9	100.8	103.7	?	?	?	98 ?
25	?	?	?	?	?	?	?	103.2 ?	98.8	101.4	101.2	98.9	104.1 ?	100.7	100.4	98	96.5	96.1	98.4	102.3	104.6 ?	?	?	?	100.3 ?
26	?	?	?	?	?	?	103.4 ?	99.5	96.4	92.4	90.7	90.1	87.5	86.9	87.6	89.8	92.1	94.6	97.9	103 ?	?	?	?	?	93.7 ?
27	?	?	?	?	?	?	?	103.9 ?	100.6	97.8	95.4	95	93.2	91.2	94.1	94	90.9	96.7	99	102.2	104.5	?	?	?	97 ?
28	?	?	?	?	?	?	104.3 ?	101.2	98.1	95.3	92.1	83.8	80.1	80.3	85.7	85	83.5	89.3	95.5	99	101.8	103.8	103.7	104.5 ?	93.7 ?
29	?	?	?	?	?	?	?	102.9	96.8	93.8	87.4	83.1	84.5	94.9	97.5	96.7	98.6	96.4	98	101.5	102.6	102.5	104.3	?	96.3 ?
30	?	?	?	?	?	?	104 ?	?	?	?	?	?	?	?	?	?	105 ?	104.3 ?	103.3	103	103.7	104.1	104.8	?	104 ?
31	?	?	?	?	?	103.9	99.6	89.3	83.6	77.8	73.8	68.8	63.8	61.4	63.3	63.8	58.8	59	72.8	85.7	93.1	94.4	99.7	102.8	79.8 ?
Avg	98.2	98.7	98.8	100.4	100.8	102.2	102	98.4	93.5	89.9	86.2	82.6	80.9	78.8	79.2	80.5	81.5	85.2	89.4	94.3	96.7	95.4	96.2	96.2	90.9 ?
S D	5.3	7.9	8.6	5.3	3.1	3.1	2.9	5.5	9.1	11.9	13.3	14.8	16.2	17	17.1	17.5	16.4	15.7	13.2	10.3	8.4	7.7	8.4	7.3	8.4
S/A	0.05	0.08	0.09	0.05	0.03	0.03	0.03	0.06	0.1	0.13	0.15	0.18	0.2	0.22	0.22	0.22	0.2	0.18	0.15	0.11	0.09	0.08	0.09	0.08	0.09
Min	89.8	77.2	77	88.5	95	95.6	96.7	82.9	73.2	61.9	51.1	41.5	40.5	37.5	37.7	37.2	53.6	54.1	62.6	72.7	79.5	82.3	73.6	80.9	74.2
Max	104.9	104.8	105	105	104.5	104.7	104.9	104.6	104.9	104.9	103.9	104.8	104.8	102.5	103.6	103.9	105	104.5	104.4	104.6	104.8	104.1	104.8	104.5	104
n	137	114	99	92	89	97	142	249	283	338	353	351	342	348	348	327	303	309	324	310	259	213	209	162	5806

Data Recovery: 0.0% missing; 0.0% untested; 35.0% failed QC -- 8928 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

May 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	18.9	19.2	19.1	18.8	19.1	19.6	20.1	20.8	21.5	22.5	24.8	27.3	28.9	30	30.6	31.7	32.8	32.4	29.2	24.9	21	19.5	19	19.3	23.8
2	19.7	19.7	19.6	19.4	19.3	19.3	19.6	21.2	24.3	27.4	29.8	31.6	32.4	33.2	34.8	35.7	36.3	35.5	31.5	27.3	24.1	20.8	18.9	17.8	25.8
3	16.9	16.4	16	15.9	15.8	15.8	16.2	16.8	17.5	18.5	20.6	24.7	27.8	30	31.6	33.5	33.7	31.2	27.8	23.5	20.8	19.3	18.4	18	22
4	17.5	17.3	17.3	17.5	17.6	17.7	18.1	19.3	22.7	28.2	31.6	33.4	34.6	35.3	35.6	34.7	33.9	33.2	32.1	28.9	26.6	25.3	25.1	24.7	26.2
5	23.5	21.3	20.1	19.6	19.6	19.4	20.3	23.7	28.5	32.7	34.8	36.2	35.8	35.1	33.4	30.4	24.8	21.6	20.8	20.4	20.1	19.5	19.2	19.1	25
6	18.7	18.5	18.8	18.6	18.1	17.7	17.5	17.5	18.2	19.1	20.8	21.2	22.6	23.9	24.6	24.4	24.3	22.9	19.6	17.8	16.9	15.9	15	14.3	19.4
7	13.9	13.5	13.3	13	12.9	12.9	14.1	17.1	20.3	22.9	24.9	25.7	25.6	24.9	25.4	25.8	26	25.5	23.4	19.8	17.4	16.2	15.6	15	19.4
8	14.4	14.1	14.5	14.4	14.2	14	15.9	20	23.4	25.5	27	27.7	28.2	28.5	29	29.8	30.4	29.9	27.4	24.1	21.9	20.8	20.1	19.5	22.3
9	18.9	18.3	17.8	17.5	17.5	17.9	19.6	22.8	26.3	28	29.4	30.5	31.1	31.7	31.5	28.5	23.9	21	19.6	19.1	18.9	18.8	18.6	18.1	22.7
10	17.1	16.4	15.8	15.1	14.5	13.8	14.1	16.9	20.1	22.6	24.1	25	25.6	25.5	25.7	26.2	25.9	25.2	23.8	21	19	17.5	16.4	15.9	20.1
11	15.8	15.2	14.5	14.2	13.4	12.7	13.9	17.2	20.1	23.1	25.2	26.1	26.2	25.9	26.5	27.7	28.3	26.3	23.9	19.9	16.5	15	14.4	13.7	19.8
12	13.2	13	12.6	12.2	12.1	12.4	14.9	19.3	23.1	26	28.1	29.4	29.8	29.6	29.1	28.6	27.5	27.1	24.8	21.9	19.8	18.3	17.3	16.8	21.1
13	16.6	16.3	15.4	14.7	15.3	15.6	16.2	18.5	22	24.5	26.6	28.1	28.9	29.2	29.1	28.7	27	25	23.3	22	21	20.4	20	19.6	21.8
14	19.2	19	18.9	18.9	19.1	19.2	19.4	20.6	22.2	23	24.4	25.8	26.9	27.8	28.1	28.7	28	25.7	24	22.7	22	21.5	21.1	20.5	22.8
15	20.1	20	20.1	20.2	20.2	20.5	21.3	23.3	24.2	26.7	29.2	29.9	29.9	27.7	26.8	27.1	25.3	23.8	22.9	22.1	21.2	20.6	20.2	20.1	23.5
16	20.2	20.4	20.6	20.7	20.8	21	21.5	22.4	22.8	24.1	26.1	28.1	30.7	31.8	32.3	30.7	24.3	21.8	20.6	20.1	20.2	20.4	20.5	20.8	23.5
17	20.7	20.4	20.3	20.1	19.6	19.6	20.2	21.3	22.3	23.7	26.1	28.2	27.3	25.9	23.4	21.3	20.2	19.3	18.5	17.9	17.5	17.4	17.3	16.9	21.1
18	16.5	16.1	15.6	15	14.6	14.4	15.1	17.7	20.3	21.9	23.1	24	24.3	24	23.9	23.5	22.6	20.9	19	17.4	16.2	15.3	14.6	13.8	18.7
19	12.7	11.9	11.3	10.9	10.7	11	12.7	16.1	19.1	22	24.1	25.2	25.3	25.1	25.3	25.2	25.5	25.7	23.7	20.7	18	16.4	14.7	13.9	18.6
20	13.9	14.2	15	15.5	15.5	15.8	16.5	17.3	18.3	19	19.8	20.4	20.6	20.6	20.6	20.6	19.7	19.1	18.8	18.7	18.7	18.7	18.8	18.8	18.1
21	18.9	18.8	18.6	18.4	18.3	18.3	19.5	21.7	23.8	26.5	29.5	31.5	31.2	29.6	29.4	27.4	26.7	27.2	25.9	23.1	20.6	19	18.1	17.4	23.3
22	17.1	16.9	16.7	16.8	17.5	18.3	18.9	19.9	21.6	23.8	27.6	31.4	32.5	31.3	29.9	24.8	21.1	19.9	19.4	18.9	18.6	18.4	18.3	18.4	21.6
23	18.2	18.2	18.3	18.4	18.4	18.6	19.1	21	22.9	25.2	27.8	29.8	29.8	29.9	30.3	31.7	32.7	32.3	30.4	27.5	25.1	23.7	22.7	21.5	24.7
24	19.9	18.6	18.1	18.2	18.5	18.9	20	22.9	26.4	29	30.1	30.9	30.6	30.2	30	30.3	29.5	28.3	27.9	26.4	24.6	23.5	22.8	22.6	24.9
25	22.7	22.7	22.5	22.5	22.3	22	22.2	25.3	29.4	31.1	30.6	31.2	30	28.6	28.4	28.3	28.1	28.8	28.6	25.9	23.2	21.9	21.2	20.7	25.8
26	20.3	20.4	20.6	20.7	20.8	20.6	22.2	25.1	27.1	28.8	30.7	31.2	31.2	31.6	31.8	32.5	32.4	31.7	29.9	26.7	23.8	22.3	21.4	21	26
27	21	20.9	20.8	20.7	20.6	20.5	21.7	23.8	27	29.3	31.7	32.7	32.6	31.9	32	32.2	32.9	32	29.9	27.7	25.6	24.3	23.5	22.9	26.6
28	22.6	22.7	22.6	22.3	22.1	22.1	23.5	26	27.5	29.8	31.7	35.1	37	37.5	36.4	35.4	35.1	34.5	33	29.9	27.2	25.7	24.8	24.2	28.7
29	23.6	23.1	22.7	22.6	22.8	22.8	23.7	25.7	28.7	31.3	32.5	33.9	34.3	33.1	30.9	29.8	28.9	29.2	29	27.5	26	25.2	24.6	24	27.3
30	23.6	23.3	23.1	23	23.2	23.1	23.2	23.4	22.9	22.5	22.2	22	21.9	21.7	21.3	21	20.9	20.9	21	20.9	20.5	20	19.6	19.8	21.9
31	19.7	19.3	19	18.7	18.5	18.5	19.9	23.3	26.9	30	32.6	34.8	35.8	35.3	35.2	35.5	36.1	35.9	34.1	29.7	26.1	24.3	23.2	22.2	27.3
Avg	18.6	18.3	18	17.9	17.8	17.9	18.7	20.9	23.3	25.4	27.3	28.8	29.3	29.2	29.1	28.8	27.9	26.9	25.3	23.1	21.3	20.2	19.5	19.1	23
S D	3	3	3.1	3.2	3.2	3.3	3.1	3	3.3	3.8	3.9	4.1	4.1	4.1	4.1	4.2	4.8	5.1	4.7	3.8	3.2	3	3.1	3.1	2.9
S/A	0.16	0.17	0.17	0.18	0.18	0.18	0.16	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.15	0.17	0.19	0.19	0.17	0.15	0.15	0.16	0.16	0.12
Min	12.7	11.9	11.3	10.9	10.7	11	12.7	16.1	17.5	18.5	19.8	20.4	20.6	20.6	20.6	20.6	19.7	19.1	18.5	17.4	16.2	15	14.4	13.7	18.1
Max	23.6	23.3	23.1	23	23.2	23.1	23.7	26	29.4	32.7	34.8	36.2	37	37.5	36.4	35.7	36.3	35.9	34.1	29.9	27.2	25.7	25.1	24.7	28.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 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

May 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	2.7	2.5	2.5	2.1	2.4	2.3	3.1	4	4	3.3	4.6	5.3	4.5	4.7	4.2	3.6	3	2.1	3	2.7	2.7	2.1	2.3	2.9	3.2
2	2.9	2.1	1.9	1.8	1.8	1.9	2.6	3.6	3.9	4.3	3.9	4.2	3.9	2.7	2.5	2.4	2	2.3	2.2	2.8	3.1	2.6	2.9	2.1	2.8
3	2	0.6	0.4	0.4	0.6	1.3	0.5	3	2.7	1.8	1	1.3	1.1	1.5	1.3	1.6	2.6	2.6	1.9	1.6	1.5	1.4	1.5	1.2	1.5
4	1	1.1	0.2	1.7	0.9	1.1	0	0.4	0.8	0.9	2	2.6	2.8	3	2.7	2.4	1.3	0.7	0.3	0.3	0.5	2.4	2.4	1.7	1.4
5	0.4	0	0.1	0.9	1.1	0.4	0.1	0.5	0.4	1	0.6	0.9	1.2	1.2	2	2.4	1.6	1.7	1.3	1.9	2.8	1.7	2.2	3.1	1.2
6	3.2	2.6	3.7	4.3	3.9	3.1	3.3	3.2	3.7	2.9	4	3.2	4.7	5	4.4	4.4	3.7	3.8	3.9	3.4	3	2.2	1.3	0.8	3.4
7	0.8	0.6	0.8	1	0.8	0.9	1.6	3	3.9	3.4	3.7	3.8	4.1	3.7	3.6	3.6	2.8	2.9	2	2.3	1.8	1.4	0.3	0.2	2.2
8	0.2	0.6	0.4	0.4	0.5	0	1.3	2.9	4.1	3.8	3.6	3.6	3.2	3.8	3.8	3.8	3.8	4.1	3.7	3.3	2.8	2.7	2.4	1.7	2.5
9	1.5	0.8	0.7	0.8	1.3	1.6	2.1	3.2	3.5	3.5	3.7	3.3	3	2.1	2.4	3.2	1.7	1.6	0.8	0.9	0	0.4	0.6	3.3	1.9
10	2	2.6	1.9	1.4	1.5	1.6	2	2	3.1	3.4	4.1	3.4	2.4	2.5	2.7	2.4	2.4	2.3	0.7	1.4	2.3	1.5	1.2	0.7	2.1
11	0.4	0.1	0.8	0.8	1.1	0.8	1.7	3.3	2.8	2.2	2.3	2.3	2	2.2	2	1.8	2.9	2.5	1.7	0.5	0.8	1.2	0.9	1.2	1.6
12	1.4	0.9	0.5	0.5	0.9	0.9	0.9	1.4	1.7	2	2	2.1	1.8	2.7	2.4	2.3	1.5	1.5	0.3	0.9	1.3	0.9	1	0.9	1.4
13	0.8	0.4	0	0.9	0.6	0	0.4	1.1	2.9	3.4	3.2	3.1	3	3.7	3.9	3.4	3.2	2.9	2.6	2.1	2	1.8	1.2	0.7	2
14	0.3	0.6	0.8	1.2	1	1	1.6	2	2.8	3	3.9	4.7	4.6	4.9	5.1	5.2	4.2	4.3	4.3	4	3	1.4	0.6	0	2.7
15	0.3	1	1.4	1.7	1.2	1.9	2.4	2.3	2.1	3.3	2.6	3.8	4.2	3.9	4.3	4.3	3.9	1.7	1.4	1.3	1.5	1.7	1.5	1.6	2.3
16	1.8	2.5	1.4	0.8	1	1.3	1.5	1.9	1.4	1.8	2.1	2.4	2.5	3	3.2	3	1	0.8	0.8	1.9	2.3	0.2	0.9	0.5	1.7
17	0.2	1.1	0.2	0	0	0.1	0.5	1.3	1.8	2.5	2.8	3.6	4.5	4.8	5.1	4.5	4.2	4.6	4.1	3.5	2.8	3.1	2.7	3.1	2.5
18	3.5	2.8	2.1	2.4	2.4	2.9	2.7	4.4	5.1	5.3	5.6	5.6	6	5.9	5.7	5.2	4.7	4.2	3.5	3.4	2.7	2.3	2	1.1	3.8
19	1.2	1.2	1.3	0.8	2	2.4	3.3	3.7	3.6	3.6	4	4	4.5	5.4	5.7	5.5	3.9	3.6	2.8	1.7	1.3	0.3	0.4	0.4	2.8
20	1.1	2.3	2.8	2.3	2	1.9	2.4	3.6	3.8	3.5	2.5	2.8	2.5	1.8	1.8	2	1.2	1.1	0.1	0	0.5	1.3	1.2	1.7	1.9
21	2.1	0.9	1.1	0.4	0.1	0.6	1.6	1.2	1.2	0.9	1.5	2.8	3.5	3.8	3.7	2.8	2.8	3.3	2	1.7	0.5	0.3	0	0.1	1.6
22	0	0	0	0	0.4	1	1.3	1.4	1.7	1.5	1.2	1.9	2.4	3.5	3.3	1.1	0.7	1.6	2	1	0.1	0.5	0.8	1	1.2
23	0.1	0.3	0	0.4	0.7	0.1	0.7	1.3	0.5	1.9	2.5	3.6	3.1	2.7	2.7	2.6	2.9	3.1	2.5	1.5	1.2	1.1	0.3	2.3	1.6
24	1.6	0.7	1.5	1.2	1.2	0.5	0.7	1.1	2.1	3.7	3.9	4.6	4.5	6	6.1	5.2	4.7	3.8	3	3.2	2.4	1.5	0.5	1.2	2.7
25	1.1	0.3	0.1	0.9	0.4	0.5	1.3	2.1	2.1	3	3.8	3.7	3.8	4.3	4.3	4.4	4.1	3	2.9	2.6	2.3	2.4	1.7	1.4	2.4
26	2.1	1.5	1.2	1.3	1.7	1.5	2.6	3.2	4	4	4.1	4.4	4	4.6	3.9	4.1	3.6	3.1	2.4	1.9	2.4	1.7	1.1	1.8	2.8
27	1.7	1.2	1.4	1	0.8	1	1.5	1.9	3	3.1	3.7	4	4.1	4.5	3.9	3.4	3.3	3.6	3.1	2.4	2	1	0.5	1.1	2.4
28	0.9	1.8	1.9	1.9	2.1	4.1	4	2.4	1.7	1.6	1.7	1.3	1.3	1.9	3.2	3.5	3.7	3.1	2.8	2.3	2.6	2.4	2.8	2.3	2.4
29	2.2	2.1	1.8	2.3	2	2	2.2	3	3	3.5	3.4	2.9	4.3	3.7	2.9	2.9	2.5	2.4	2.8	2.7	3	3.1	3.2	2.7	2.8
30	2.4	2.1	1.6	0.7	1.4	0.6	1.4	0.6	1	0.6	1.2	1.5	3.7	3.9	4.9	4.5	4.1	4.4	3.6	2.7	2.1	1	0.9	1.7	2.2
31	1.6	1.9	1.2	0.7	0.8	0.8	1.2	2.1	2.6	2	1.8	1.3	2	3	3.1	2.4	3	2.3	2.1	2.3	2.1	1.1	0.3	1	1.8
Avg	1.4	1.3	1.2	1.2	1.3	1.3	1.7	2.3	2.6	2.7	2.9	3.2	3.3	3.5	3.6	3.4	2.9	2.7	2.3	2.1	1.9	1.6	1.3	1.5	2.2
S D	1	0.9	0.9	0.9	0.8	1	1	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.2	1	0.9	0.8	0.9	0.9	0.7
S/A	0.68	0.68	0.78	0.73	0.64	0.75	0.59	0.47	0.46	0.41	0.41	0.38	0.36	0.36	0.34	0.35	0.38	0.4	0.51	0.48	0.49	0.52	0.66	0.62	0.29
Min	0	0	0	0	0	0	0	0.4	0.4	0.6	0.6	0.9	1.1	1.2	1.3	1.1	0.7	0.7	0.1	0	0	0.2	0	0	1.2
Max	3.5	2.8	3.7	4.3	3.9	4.1	4	4.4	5.1	5.3	5.6	5.6	6	6	6.1	5.5	4.7	4.6	4.3	4	3.1	3.1	3.2	3.3	3.8
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 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

May 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	207	214	213	233	246	241	247	248	252	256	266	277	269	277	270	266	274	268	283	255	247	252	246	245	256
2	249	258	264	269	259	275	283	288	292	317	314	317	311	339	5	2	14	138	128	122	115	120	120	118	304
3	117	127	109	117	121	121	89	74	89	109	149	262	92	182	174	125	151	157	140	168	175	142	146	170	134
4	192	197	212	51	203	224	143	155	237	267	307	289	272	247	297	300	300	296	331	271	280	303	321	32	285
5	55	50	287	269	263	88	128	171	166	224	218	276	155	135	133	131	123	120	100	99	97	97	86	69	116
6	74	82	77	77	83	79	76	80	84	81	79	79	90	93	88	87	84	84	93	97	103	104	91	59	85
7	56	68	47	77	87	90	102	116	124	123	120	116	144	133	130	134	132	132	129	135	136	141	120	105	123
8	116	129	169	184	190	326	176	198	202	215	232	225	237	228	231	229	226	219	216	217	218	220	225	242	219
9	222	247	239	233	242	245	233	242	246	251	264	273	274	251	237	5	39	23	38	18	0	34	13	10	271
10	22	4	359	349	348	332	339	357	21	7	6	16	347	360	352	343	344	347	352	111	126	156	172	224	3
11	230	29	37	30	54	60	31	44	47	47	19	27	32	338	354	339	156	158	151	154	176	199	209	219	49
12	221	223	224	253	269	273	276	269	287	295	285	268	281	240	257	253	283	286	266	205	217	230	236	224	259
13	233	246	236	254	251	229	200	216	230	224	230	226	222	229	230	232	224	213	209	213	214	219	217	224	224
14	192	198	197	197	190	195	183	192	204	203	215	216	200	194	195	198	205	200	201	199	209	211	219	190	202
15	170	188	192	195	197	202	224	235	241	241	247	225	211	201	202	223	216	229	229	224	226	231	237	232	220
16	234	245	254	272	280	251	263	279	261	278	249	254	225	226	231	253	85	77	191	238	238	126	188	217	244
17	166	193	323	21	39	197	60	58	64	82	91	93	88	84	89	92	89	91	87	86	81	85	94	89	88
18	88	83	56	60	57	53	64	84	85	80	83	80	76	82	87	87	85	74	69	67	67	66	73	73	77
19	59	53	59	55	54	55	57	62	80	86	80	70	82	85	90	89	86	73	61	60	43	33	340	340	74
20	8	34	53	51	58	66	59	56	55	58	47	53	42	36	33	37	33	42	11	338	249	224	219	204	50
21	199	218	232	255	216	160	155	150	141	122	138	133	126	117	138	120	125	126	146	148	119	190	335	277	140
22	334	0	0	156	242	234	214	222	236	206	190	143	138	192	267	293	214	222	225	251	151	230	240	259	217
23	255	20	0	91	91	83	120	172	243	226	227	222	232	242	242	229	226	211	223	229	217	313	316	260	228
24	265	252	251	177	183	183	60	130	146	167	175	167	161	167	170	167	168	174	186	199	203	190	154	152	174
25	167	174	164	44	94	122	153	169	132	143	143	141	149	144	167	168	160	145	144	131	127	124	119	109	145
26	127	105	74	99	91	94	111	124	132	138	144	143	140	145	137	139	143	145	121	108	121	110	101	133	129
27	129	121	120	122	108	97	120	118	145	138	145	149	157	169	171	174	198	202	204	211	211	225	229	222	165
28	223	231	244	250	254	239	249	266	287	302	306	299	291	238	219	234	214	225	223	235	239	246	250	251	245
29	252	252	258	264	257	270	284	272	264	277	275	266	242	239	244	242	236	229	239	229	229	240	245	248	252
30	251	245	238	232	232	222	266	332	349	54	53	64	68	63	70	76	68	55	35	32	25	6	336	335	46
31	329	325	317	298	306	296	300	312	315	332	344	342	317	308	319	301	323	322	67	110	119	141	185	244	323
Avg	189	215	231	115	201	207	190	152	157	174	190	184	164	171	174	167	159	155	157	160	166	178	190	211	174
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 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

May 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	4.6	4.4	4.1	3.7	3.9	3.7	5.4	6.6	7.2	6.1	8	9.6	8	8.1	7.1	6.5	5.5	3.8	5.5	4.7	4.3	3.1	3.7	4.6	5.5
2	4.5	3.8	3.2	3.4	3.3	3.6	4.4	6.2	6.3	7.3	7	7.3	6.8	5.5	5.3	4.8	4.1	4.3	3.9	4.7	5.4	4.5	5.1	3.7	4.9
3	3.7	1.7	1.2	1.6	1.6	2.6	1.4	5.3	4.8	3.6	2.5	2.8	2.5	2.8	2.6	3	4.3	4.3	3.2	2.5	2.5	3	3	2.4	2.9
4	2	2.3	1	3.5	1.7	2	0.3	1.4	2	2.3	3.9	4.8	5.2	5.1	4.9	4.4	2.5	1.7	1.1	0.8	1	4.3	4.6	3.8	2.8
5	1.2	0.2	0.5	1.8	2.1	1.1	0.6	1.4	1.4	2.1	2	2.6	2.7	2.4	3.6	5	3.2	3.2	2.5	3.7	5.2	3.5	4.2	6	2.6
6	6	5.1	7	8	7.2	6.4	6.4	6.3	7	5.8	7.3	6	8	8.6	8.2	7.4	6.6	6.8	7	6.6	5.6	4.5	2.9	2.2	6.4
7	2.1	1.7	2	2.4	2	2	3.1	5.4	6.5	5.7	6.4	6.2	6.9	6	5.8	6	5.2	5	3.7	4.3	3.4	2.8	1.1	0.8	4
8	0.5	1.4	1.1	1	1.4	0	2.3	4.8	6.4	6.5	6.2	6.2	5.4	6.2	6.9	6.5	6.7	6.6	5.9	5.6	5	4.7	3.9	3.1	4.4
9	2.6	1.7	1.7	1.8	2.4	2.8	3.6	5.5	5.6	6	6.3	5.9	5	3.8	4.1	6.3	3.6	3.7	1.9	2.2	0	1.2	1.8	7	3.6
10	4.6	5.5	4.5	3.5	3.8	3.4	4.6	5	6.3	7	7.8	6.5	5.3	5.2	5.7	5	4.6	4.5	2	2.9	3.9	2.6	2	1.4	4.5
11	1.1	0.3	1.7	1.7	2.4	1.9	3.9	6	5.1	4.4	5.3	5.3	4.4	5.2	4.4	3.9	4.9	3.8	3	1.4	1.5	2.1	1.9	2.1	3.2
12	2.4	1.7	1.3	1.3	1.5	1.4	1.8	2.8	3.3	3.6	3.7	3.9	3.7	4.7	4.4	4	3.1	2.7	1	1.6	2.2	1.7	2	1.8	2.6
13	1.5	0.9	0.3	1.6	1.3	0.4	1.1	2	5.2	5.7	5.5	5.5	5.3	6.2	6.6	5.7	5.3	4.8	4.2	3.8	3.4	3.2	2.3	1.4	3.5
14	1	1.5	1.8	2.4	2	2	2.9	3.5	4.9	5.1	6.6	7.7	7.6	8	8	8.9	7	7.3	7.1	6.5	5.2	3	1.3	0.1	4.6
15	1	2	2.6	2.9	2.5	3.5	4.3	4	3.7	5.3	4.7	6.1	6.6	5.9	7.2	7.3	7.1	3.3	2.4	2.4	2.6	3.1	2.8	2.9	4
16	3.2	3.9	2.5	1.9	2.2	2.6	2.7	3.4	2.6	3.4	3.6	4.2	4.5	5.5	5.1	5.7	2.6	2.2	1.6	3.1	4	0.8	2	1.3	3.1
17	0.8	1.9	1	0.1	0.2	0.3	1.4	2.7	3.6	5	5.3	6.3	7.3	8	9.1	7.7	7.7	8.3	7.5	6.9	5.4	5.5	5.3	5.6	4.7
18	5.7	5.5	3.8	4.6	4.1	5	5	8.1	8.7	9.7	10	10.2	9.9	10.2	10.2	9.6	8.7	7.8	6.6	7.1	5.7	4.7	4.5	2.8	7
19	2.4	2.4	2.6	2	4	4.8	5.9	7	6.4	6.6	7	7.1	8.2	9.3	10.1	9.9	7.6	6.8	5.4	3.6	3	1.2	1.1	1.2	5.2
20	2.2	4.2	5.1	4.8	4.3	3.9	4.5	6.2	7.1	6.4	5	5.4	4.9	3.7	3.8	4.5	3.2	2.6	0.5	0.3	1.2	2.3	2.3	2.9	3.8
21	3.6	2.1	2	1.3	0.7	1.3	2.8	2.4	2.4	2.2	3.4	4.9	5.4	6.5	6.2	4.7	4.9	5.5	3.6	3.2	1.3	0.8	0.2	0.3	3
22	0	0	0	0.1	1	1.8	2.4	2.7	2.9	2.9	2.9	3.5	4	5.6	5.9	2.3	1.7	3	3.3	2	0.4	1.2	1.5	1.6	2.2
23	0.5	0.9	0	1.3	1.9	0.6	1.8	2.5	1.5	3.3	4.3	5.8	5.4	4.6	4.4	4.4	4.9	4.9	4.1	2.6	2.1	2	0.9	3.9	2.9
24	3.2	1.9	2.8	2.2	2.1	1.1	1.9	2.4	3.8	5.8	6.3	7.3	7.6	9.8	9.8	8.4	7.7	6.6	4.9	5.1	3.7	2.7	1.3	2.2	4.6
25	2	1	0.5	1.9	1.1	1.2	2.5	3.5	3.7	4.8	5.6	5.8	6.3	7.2	6.9	7.3	6.2	5.4	4.8	4.5	4.3	4	3.2	2.8	4
26	3.7	2.7	2.2	2.7	3	3	4.5	5.3	6.8	6.8	6.9	7	6.6	7	6.3	6.6	6	5	3.9	3.6	4	3.2	2.2	3.4	4.7
27	3.2	2.5	2.4	2.1	1.8	1.9	2.7	3.5	5	5.5	5.9	6.3	6.7	7	6.2	5.5	5.4	5.6	4.9	4.1	3.5	2	1.5	1.9	4.1
28	2	3	3.1	3	3.4	6.4	6.7	4.4	3.4	3.3	3.2	3.1	3.2	3.5	5.3	5.8	6.2	5.3	5	4.1	4.6	4.1	4.3	3.7	4.2
29	3.5	3.3	3	4.2	3.9	3.8	4.2	5.1	5.8	6	6	5.1	7.3	6.1	4.9	4.6	4.3	4.3	4.9	4.8	4.9	5.5	5.2	4.4	4.8
30	3.8	3.5	3	1.7	2.9	1.5	2.7	1.7	2.6	1.7	2.7	3.4	6.9	6.9	8.5	8.2	7.8	7.9	6.5	5.6	4.2	2.6	2.2	3.5	4.2
31	3.5	3.9	2.7	1.8	2	1.9	2.6	4.4	4.9	4	3.8	3.1	4.2	5.2	5.8	4.9	5.8	4.7	3.8	3.7	3.4	2.1	0.8	1.6	3.5
Avg	2.6	2.5	2.3	2.5	2.5	2.5	3.2	4.2	4.7	5	5.3	5.6	5.9	6.1	6.2	6	5.3	4.9	4	3.8	3.4	3	2.6	2.8	4
SD	1.5	1.5	1.6	1.5	1.4	1.6	1.7	1.8	1.9	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.8	1.7	1.9	1.8	1.6	1.3	1.4	1.6	1.1
S/A	0.58	0.61	0.68	0.63	0.55	0.65	0.51	0.42	0.4	0.37	0.35	0.32	0.3	0.32	0.31	0.31	0.34	0.36	0.47	0.46	0.47	0.44	0.55	0.58	0.27
Min	0	0	0	0.1	0.2	0	0.3	1.4	1.4	1.7	2	2.6	2.5	2.4	2.6	2.3	1.7	1.7	0.5	0.3	0	0.8	0.2	0.1	2.2
Max	6	5.5	7	8	7.2	6.4	6.7	8.1	8.7	9.7	10	10.2	9.9	10.2	10.2	9.9	8.7	8.3	7.5	7.1	5.7	5.5	5.3	7	7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 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

May 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	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1018	1017	1017	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1017
2	1015	1015	1015	1015	1015	1016	1016	1017	1016	1017	1017	1016	1016	1016	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1017	1016
3	1017	1016	1016	1016	1016	1017	1017	1018	1019	1019	1019	1018	1018	1018	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017
4	1015	1015	1015	1015	1014	1014	1015	1015	1015	1015	1014	1014	1013	1012	1012	1011	1011	1010	1010	1010	1010	1011	1011	1011	1011	1013
5	1010	1010	1009	1008	1008	1009	1009	1010	1010	1010	1010	1009	1009	1008	1008	1008	1009	1008	1008	1008	1009	1010	1010	1010	1010	1009
6	1010	1009	1010	1010	1010	1011	1011	1012	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015	1016	1016	1015	1015	1013	
7	1015	1015	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1015	1016	1016	1016	1016	1016
8	1016	1015	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1012	1011	1011	1010	1010	1010	1011	1011	1011	1011	1011	1013
9	1010	1010	1009	1009	1009	1009	1009	1009	1009	1008	1008	1007	1006	1005	1004	1003	1003	1002	1002	1001	1001	1001	1001	1000	1001	1005
10	1001	1001	1001	1002	1002	1003	1004	1004	1005	1005	1006	1006	1006	1006	1006	1006	1007	1008	1009	1010	1010	1011	1012	1012	1012	1006
11	1012	1012	1013	1013	1014	1015	1016	1017	1018	1018	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1020	1021	1021	1022	1022	1018
12	1022	1022	1022	1022	1023	1024	1024	1025	1025	1025	1025	1025	1025	1025	1024	1024	1023	1023	1023	1023	1022	1023	1023	1023	1023	1024
13	1023	1022	1022	1022	1023	1023	1023	1023	1023	1023	1023	1023	1022	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1022
14	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1015	1015	1017
15	1014	1014	1014	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1013
16	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1012	1011	1011	1011	1011	1011	1012	1011	1011	1011	1012	1012	1012	1012	1012
17	1011	1011	1011	1011	1011	1012	1012	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015	1013
18	1015	1014	1014	1014	1014	1014	1015	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017	1016	1016	1016	1016
19	1016	1016	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1017	1016	1016
20	1015	1015	1014	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016	1016	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015
21	1014	1014	1013	1013	1014	1014	1015	1015	1015	1015	1014	1014	1013	1013	1012	1012	1011	1011	1011	1010	1011	1011	1011	1011	1011	1013
22	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1009	1008	1009	1009	1009	1009	1009	1009	1009	1009	1010	1009	1009	1009
23	1009	1009	1009	1009	1009	1009	1010	1010	1010	1011	1011	1011	1011	1011	1011	1010	1010	1010	1011	1012	1013	1013	1013	1014	1011	1011
24	1015	1014	1013	1014	1014	1015	1016	1016	1017	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017	1015	1015
25	1017	1016	1016	1017	1017	1017	1018	1018	1018	1018	1019	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1018	1018	1018	1017	1018
26	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1020	1020	1019	1019	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1018
27	1018	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
28	1018	1017	1016	1016	1016	1015	1015	1017	1017	1017	1017	1017	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1016
29	1014	1014	1013	1013	1013	1014	1014	1014	1014	1013	1013	1013	1012	1012	1011	1010	1010	1009	1009	1009	1009	1010	1009	1009	1012	1012
30	1009	1008	1008	1008	1007	1007	1007	1007	1007	1007	1007	1006	1005	1004	1002	1001	1001	1001	1002	1003	1004	1004	1005	1005	1005	1005
31	1005	1006	1006	1006	1007	1008	1008	1009	1009	1009	1009	1009	1009	1009	1008	1008	1008	1008	1009	1009	1009	1010	1010	1010	1010	1008
Avg	1014	1014	1013	1013	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014
S D	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	1001	1001	1001	1002	1002	1003	1004	1004	1005	1005	1006	1006	1005	1004	1002	1001	1001	1001	1001	1001	1001	1001	1000	1001	1005	1005
Max	1023	1022	1022	1022	1023	1024	1024	1025	1025	1025	1025	1025	1025	1024	1024	1023	1023	1023	1023	1023	1022	1023	1023	1023	1024	1024
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 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

May 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	12.8	12.8	12.8	12.8	12.8	12.7	12.8	13.2	13.3	13.3	13.3	13.2	13.2	13.2	13.1	13.1	13.1	13	12.9	12.9	12.8	12.8	12.8	12.7	13
2	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.9
3	12.7	12.7	12.7	12.7	12.6	12.6	12.7	12.9	13.4	13.4	13.3	13.2	13.2	13.1	13.1	13.1	13	12.9	12.9	12.8	12.8	12.8	12.8	12.7	12.9
4	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.4	13.3	13.1	13.1	13.1	13	13	13	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.7	12.9
5	12.7	12.7	12.7	12.7	12.7	12.6	13.1	13.3	13.1	13.1	13	13	13	13	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.8
6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.3	13.4	13.3	13.4	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.8	13
7	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.4	13.4	13.3	13.2	13.2	13.3	13.3	13.2	13.3	13.2	13	12.9	12.8	12.8	12.8	12.8	12.8	13
8	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1	13	12.9	12.8	12.8	12.8	12.8	12.8	13
9	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
10	12.7	12.7	12.7	12.6	12.6	12.6	13.3	13.4	13.4	13.3	13.3	13.2	13.2	13.3	13.3	13.2	13.2	13.2	12.9	12.9	12.8	12.8	12.8	12.8	13
11	12.8	12.7	12.7	12.7	12.7	12.7	13.3	13.4	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	12.9	12.8	12.8	12.8	12.8	12.7	13
12	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.4	13.3	13.2	13.2	13.1	13.2	13.2	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	13
13	12.7	12.7	12.7	12.7	12.7	12.7	13.2	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.9	12.8	12.8	12.8	12.8	13
14	12.8	12.8	12.7	12.7	12.7	12.7	12.9	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
15	12.8	12.7	12.7	12.7	12.7	12.7	13.1	13.3	13.3	13.2	13.2	13.1	13.2	13.2	13.2	13.1	12.9	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
16	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13	13.2	13.3	13.2	13.2	13.1	13.1	13.1	13	13	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
17	12.7	12.7	12.7	12.6	12.6	12.6	13	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.9
18	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.3	13	12.9	12.8	12.8	12.8	13
19	12.8	12.7	12.7	12.7	12.7	12.7	13.4	13.5	13.4	13.3	13.3	13.2	13.3	13.3	13.3	13.3	13.3	13.2	12.9	12.9	12.8	12.8	12.8	12.8	13
20	12.8	12.7	12.7	12.7	12.7	12.7	12.8	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.2	12.9	12.9	12.9	12.9	12.8	12.8	12.8	12.8	13
21	12.8	12.7	12.7	12.7	12.7	12.7	13.2	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13
22	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.4	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
23	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.9	12.8	12.8	12.8	12.9
24	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.9	12.8	12.8	12.8	12.7	12.9
25	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.2	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.1	12.9	12.9	12.8	12.8	12.8	12.7	12.9
26	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.7	12.7	12.9
27	12.7	12.7	12.7	12.7	12.6	12.7	13	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.7	12.9
28	12.7	12.7	12.7	12.7	12.6	12.7	13.1	13.2	13.2	13.1	13.1	13	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.9
29	12.7	12.7	12.6	12.6	12.6	12.7	13	13.2	13.1	13.1	13.1	13	13.1	13.1	13.1	13.2	13.2	13	12.9	12.8	12.8	12.8	12.7	12.7	12.9
30	12.7	12.7	12.7	12.7	12.6	12.7	13	13.1	13	12.9	12.9	12.9	12.7	12.6	12.7	12.7	12.6	12.9	12.8	12.6	12.6	12.6	12.6	12.6	12.7
31	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.3	13.2	13.1	13	13	13	13	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
Avg	12.7	12.7	12.7	12.7	12.7	12.7	13	13.3	13.3	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	12.7	12.7	12.9
S D	0	0	0	0	0	0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0	0	0	0.1
S/A	0	0	0	0	0	0	0.02	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	0
Min	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13	12.9	12.9	12.9	12.7	12.6	12.7	12.7	12.6	12.8	12.7	12.6	12.6	12.6	12.6	12.6	12.7
Max	12.8	12.8	12.8	12.8	12.8	12.7	13.4	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3	13.4	13.3	13	12.9	12.8	12.8	12.8	12.8	13
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8928 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.

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