

October 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	0	11	38	46	136	412	376	269	176	147	150	67	14	0	0	0	0	0	0	1841
2	0	0	0	0	0	0	5	26 ?	155	283	305	287	128	237	344	166	54	11	0	0	0	0	0	0	2000
3	0	0	0	0	0	0	35	141	216	328	321	331	498	462	321	185	79	8	0	0	0	0	0	0	2926
4	0	0	0	0	0	0	51	175	374	559	679	737	667	607	487	238	71	17	0	0	0	0	0	0	4661
5	0	0	0	0	0	0	56	172	333	556	566	555	478	479	409	215	119	25	0	0	0	0	0	0	3964
6	0	0	0	0	0	0	41	204	390	556	680	726	670	556	494	260	101	23	0	0	0	0	0	0	4701
7	0	0	0	0	0	0	21	129	238	398	222 ?	230	500	278	102	38	16 ?	4	0	0	0	0	0	0	2176 ?
8	0	0	0	0	0	0	11	111	120	61	73	115 ?	288	150	49 ?	?	8 ?	2	0	0	0	0	0	0	988 ?
9	0	0	0	0	0	0	6	37	72	106	204	184	150	118	87	71	25	6	0	0	0	0	0	0	1066
10	0	0	0	0	0	0	11	61	186	202	213	320	388	538	503	330	132	21	0	0	0	0	0	0	2904
11	0	0	0	0	0	0	44	205	401	559	684	746	742	663	522	339	141	23	0	0	0	0	0	0	5067
12	0	0	0	0	0	0	42	167	390	544	665	720	709	629	504	324	132	17	0	0	0	0	0	0	4843
13	0	0	0	0	0	0	40	197	390	556	674	731	723	647	506	324	133	18	0	0	0	0	0	0	4939
14	0	0	0	0	0	0	57	169	370	526	657	719	704	624	493	316	123	5	0	0	0	0	0	0	4765
15	0	0	0	0	0	0	26	95	234	560	505	611	532	643	367	150	42	8	0	0	0	0	0	0	3772
16	0	0	0	0	0	0	36	134	315	545	664	721	709	630	493	314	118	10	0	0	0	0	0	0	4690
17	0	0	0	0	0	0	20	83	201	417	455	589	622	378	395	232	99	44 ?	0	0	0	0	0	0	3533
18	0	0	0	0	0	0	26	46	131	497	616	598	603	540	275	144	30	8	0	0	0	0	0	0	3513
19	0	0	0	0	0	0	39	110	69	121	80	324	180	222	228	182	92	17	0	0	0	0	0	0	1664
20	0	0	0	0	0	0	27	172	359	516	631	686	679	598	460	283	97	7	0	0	0	0	0	0	4513
21	0	0	0	0	0	0	29	169	360	518	634	662	612	615	470	289	99	6	0	0	0	0	0	0	4463
22	0	0	0	0	0	0	36	168	348	508	626	678	666	588	452	276	88	3	0	0	0	0	0	0	4437
23	0	0	0	0	0	0	36	138	350	510	612	664	651	571	438	266	89	7	0	0	0	0	0	0	4333
24	0	0	0	0	0	0	24	155	352	492	607	689	639	352	435	224	78	1	0	0	0	0	0	0	4049
25	0	0	0	0	0	0	46	153	292	469	580	629	618	546	418	251	78	6	0	0	0	0	0	0	4086
26	0	0	0	0	0	0	9	79	210	318	231	191	216	140	137	79	21	2	0	0	0	0	0	0	1634
27	0	0	0	0	0	0	7	40	92	106	137	172	168	85	53	32	10	2	0	0	0	0	0	0	904
28	0	0	0	0	0	0	2	8 ?	?	45	48	53	52	44	40 ?	?	5 ?	1	0	0	0	0	0	0	297 ?
29	0	0	0	0	0	0	1	4 ?	?	?	?	?	?	39 ?	38	27	12	1	0	0	0	0	0	0	123 ?
30	0	0	0	0	0	0	23	110	235	325	213	205	253	268	152	50	9	2	0	0	0	0	0	0	1846
31	0	0	0	0	0	0	20	135	316	483	542	403	392	394	215	44	13	2	0	0	0	0	0	0	2959
Avg	0	0	0	0	0	0	27	117	260	393	451	488	484	413	324	200	70	10	0	0	0	0	0	0	3150
S D	0	0	0	0	0	0	16	60	113	178	221	230	218	211	172	104	45	10	0	0	0	0	0	0	1536
S/A	0	0	0	0	0	0	0.6	0.52	0.44	0.45	0.49	0.47	0.45	0.51	0.53	0.52	0.64	0.94	0	0	0	0	0	0	0.49
Min	0	0	0	0	0	0	1	4	46	45	48	53	52	39	38	27	5	1	0	0	0	0	0	0	123
Max	0	0	0	0	0	0	57	205	401	560	684	746	742	663	522	339	141	44	0	0	0	0	0	0	5067
n	0	0	0	0	0	0	293	343	345	358	354	350	360	363	357	346	353	144	0	0	0	0	0	0	3968

Daylight Data Recovery: 0.0% missing; 0.0% untested; 4.6% exceed the 15% QC threshold -- 4160 total daylight measurements.

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

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

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

October 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	0	0	*		
2	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
3	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
4	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
5	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
6	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
7	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
8	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
9	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
10	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
11	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
12	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
13	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
14	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
15	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
16	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
17	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
18	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
19	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
20	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
21	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
22	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
23	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
24	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
25	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
26	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
27	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
28	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
29	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
30	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
31	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*		
Avg	0	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	0	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	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	0	0	0	0	0	0	N/A		
Max	0	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	0	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 -- 4160 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

October 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	0	11	34	45	136	406	375	269	176	147	150	67	14	0	0	0	0	0	0	1829
2	0	0	0	0	0	0	5	18	143	280	281	280	128	234	321	166	54	11	0	0	0	0	0	0	1922
3	0	0	0	0	0	0	34	134	212	294	317	301	358	268	245	169	64	8	0	0	0	0	0	0	2405
4	0	0	0	0	0	0	37	115	127	66	67	80	234	214	95	150	68	16	0	0	0	0	0	0	1269
5	0	0	0	0	0	0	46	122	177	197	259	362	355	342	284	173	75	23	0	0	0	0	0	0	2415
6	0	0	0	0	0	0	23	56	75	94	98	127	203	165	144	137	82	16	0	0	0	0	0	0	1220
7	0	0	0	0	0	0	21	102	187	279	185	202	380	277	102	37	14	4	0	0	0	0	0	0	1791
8	0	0	0	0	0	0	11	111	120	61	68	101 ?	283	150	37 ?	23 ?	9 ?	2	0	0	0	0	0	0	975 ?
9	0	0	0	0	0	0	6	37	72	106	204	184	150	118	87	71	25	6	0	0	0	0	0	0	1066
10	0	0	0	0	0	0	12	61	186	202	213	309	338	124	92	66	43	13	0	0	0	0	0	0	1658
11	0	0	0	0	0	0	17	41	52	60	66	63	56	53	47	39	26	10	0	0	0	0	0	0	531
12	0	0	0	0	0	0	21	47	60	71	76	75	72	75	61	49	33	9	0	0	0	0	0	0	648
13	0	0	0	0	0	0	17	42	53	63	66	69	66	66	55	46	29	9	0	0	0	0	0	0	580
14	0	0	0	0	0	0	21	47	60	69	68	70	75	70	60	47	30	4	0	0	0	0	0	0	622
15	0	0	0	0	0	0	24	94	121	160	278	292	289	185	217	135	42	8	0	0	0	0	0	0	1844
16	0	0	0	0	0	0	18	64	96	58	59	63	62	62	56	48	29	5	0	0	0	0	0	0	619
17	0	0	0	0	0	0	19	80	191	252	268	248	197	302	198	156	85	39 ?	0	0	0	0	0	0	2037
18	0	0	0	0	0	0	26	41	101	77	89	183	146	134	237	126	30	8	0	0	0	0	0	0	1196
19	0	0	0	0	0	0	37 ?	109	66	121	80	234	180	218	204	153	59	15	0	0	0	0	0	0	1475
20	0	0	0	0	0	0	14	45	58	62	64	67	68	69	65	59	38	6	0	0	0	0	0	0	616
21	0	0	0	0	0	0	15	40	56	62	63	113	159	83	54	40	20	2	0	0	0	0	0	0	705
22	0	0	0	0	0	0	14	36	46	51	55	56	57	55	49	40	20	1	0	0	0	0	0	0	480
23	0	0	0	0	0	0	14	36	46	54	58	59	59	56	55	46	27	6	0	0	0	0	0	0	516
24	0	0	0	0	0	0	14	37	53	61	70	115	300	263	75	100	25	1	0	0	0	0	0	0	1115
25	0	0	0	0	0	0	17	45	58	65	74	87	88	81	67	51	27	5	0	0	0	0	0	0	665
26	0	0	0	0	0	0	11	67	152	263	224	190	216	140	137	79	21	2	0	0	0	0	0	0	1503
27	0	0	0	0	0	0	7	40	92	106	137	172	168	85	53	31	11	2	0	0	0	0	0	0	903
28	0	0	0	0	0	0	2	11	21	42	48	53	52	43	34	17	6	1	0	0	0	0	0	0	330
29	0	0	0	0	0	0	1	3 ?	?	23 ?	31 ?	35	40	38	38	27	12	1	0	0	0	0	0	0	251 ?
30	0	0	0	0	0	0	26	88	217	278	213	205	252	262	152	50	10	2	0	0	0	0	0	0	1754
31	0	0	0	0	0	0	11	32	56	53	100	173	316	220	181	44	13	2	0	0	0	0	0	0	1201
Avg	0	0	0	0	0	0	18	59	100	121	138	160	181	149	118	81	35	8	0	0	0	0	0	0	1166
S D	0	0	0	0	0	0	10	34	58	87	100	109	89	81	52	23	8	0	0	0	0	0	0	0	618
S/A	0	0	0	0	0	0	0.59	0.58	0.58	0.72	0.72	0.63	0.6	0.6	0.69	0.64	0.65	1	0	0	0	0	0	0	0.53
Min	0	0	0	0	0	0	1	3	21	23	31	35	40	38	34	17	6	1	0	0	0	0	0	0	251
Max	0	0	0	0	0	0	46	134	217	294	406	375	380	342	321	173	85	39	0	0	0	0	0	0	2415
n	0	0	0	0	0	0	280	363	360	366	363	364	372	372	366	367	365	143	0	0	0	0	0	0	4081

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.9% exceed the 15% QC threshold -- 4160 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31393F3 Calibration Factor: 7.6820 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 07/2007

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

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

October 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	17.2	17.2	17.2	17.5	17.6	17.6	17.8	18.2	18.6	18.6	19.8	21.2	21.7	21.8	21.4	21.5	21.2	20.9	20.6	20.4	20.3	20.3	20.7	21	19.6
2	21.2	21.5	21.9	22.5	23	23.5	23.5	23.4	24	25.3	26.1	26.5	25.7	25.4	26	26.1	25.7	25.2	24.9	24.6	24.3	24	23.8	23.6	24.3
3	23.5	23.4	23.5	23.4	23.7	23.6	23.5	24.1	25.5	26.6	27.1	27.6	28.3	29.2	29.4	29	27.8	26.5	25.1	24.4	24.3	24	24	23.7	25.5
4	23.5	23.2	22.8	22.4	22.1	21.9	21.9	23	24.1	25.8	26.8	27.6	27.9	27.5	27.8	26.9	25.8	24.6	23.5	22.3	21.7	21.1	20.4	19.8	23.9
5	19.4	19.1	18.8	18.6	18.4	18.2	18.2	20.1	22.5	24.3	25.5	26	26	25.9	25.7	25	24.6	23	21.7	21	20.3	19.8	19	18.8	21.7
6	18.6	18.7	18.7	18.7	18.5	18.4	18.5	19.5	21.7	23.9	25.4	26.6	27	27.6	28	27.7	26.8	25.9	24	23	22.5	21.7	20.6	19.9	22.6
7	19.3	18.8	18.3	18.1	18.2	17.4	16.9	16.8	17.1	18.2	18.8	14.8	16.3	17.2	16.5	16.2	15.5	14.8	14.3	14.1	13.3	12.4	12.2	12.2	16.2
8	12.5	12.5	12.5	12.5	12.7	13	13.5	14.1	15.1	15.3	15.2	14.4	13.8	14.7	15.6	15	14.7	14.4	14.3	14.9	15.4	15.3	13.7	13.6	14.1
9	13.9	14.4	14.7	15	15.2	14.5	14.3	14.2	14.4	15.1	15.6	16.1	16.3	16.5	16.7	16.7	16.7	16.5	16	15.7	15.5	15.3	15.1	15	15.4
10	14.8	14.5	14.4	14.2	14.1	14	14.1	13.9	14.4	15.3	15.7	16.6	17.8	18.6	19.8	20.2	20.1	18.8	17.4	16.4	15.9	15.8	15.5	14.7	16.1
11	14.6	13.6	13.1	12.7	12.4	11.6	11.1	12.8	14.6	15.6	16.7	17.2	17.8	18.4	18.8	19.2	18.2	15.6	14.1	13.2	12.6	12.7	11.8	11.7	14.6
12	10.8	11.2	10.7	10.5	10.3	10	10.2	12.6	15.1	17.2	18.3	20	21.2	21.1	20.7	20.1	19.3	17.6	16.2	15.3	14.8	14.3	13.8	12.6	15.2
13	11.6	10.9	10.4	10.2	10.2	10.4	10	11.6	14.3	15.9	16.6	17.4	18.2	18.4	18.5	18.2	17.6	16.1	14.9	14.1	13.2	13.3	11.2	10.4	13.9
14	10.4	10.7	10.4	10	10.6	11	11	13.7	18.5	21.4	23.5	24.4	24.8	25.3	25.7	25.7	25	22.8	20.9	19.9	19.3	19	19	18.9	18.4
15	18.6	18.4	17.5	16.8	16.4	16.4	16.4	17.3	18.7	22	23.8	24.6	24.6	24.6	24.7	24.6	23.7	22.4	21.8	19.5	18.8	18.4	18.1	17.8	20.2
16	16.5	15.4	14.4	13.6	12.5	11.7	11.3	12.5	13.7	15.5	16.5	17.3	18.3	18.9	19.3	19.3	18.9	17.1	15.1	13.6	12.2	11.5	11	10.5	14.9
17	10.4	10.3	9.8	9.6	10.1	10	10.3	11.2	13.4	16.5	18.3	19	19.9	19	19.5	19.5	18.5	17.4	16.2	15.6	15	14.3	13.9	13.7	14.6
18	14.3	14.4	14.5	14.7	14.4	14.5	15.3	16.8	16.9	19.7	21.3	23.2	24.1	25.3	24.5	23.5	22.6	21.8	21.5	20.7	20.6	20.3	20.5	21	19.4
19	20.8	20.2	19.8	19.5	19.5	19.6	19.4	19.6	20	20.6	21	21.5	22	22.3	22.8	23.1	23.2	22.1	20.9	20.5	20.3	19.7	18.7	17.6	20.6
20	16.6	15.8	15.5	14.5	13.9	13.1	12.6	14.1	16.4	18.8	20.9	22.6	23.3	23.6	23.7	23.4	22.2	20.2	18.6	17.3	16.4	16.1	15.9	14.8	17.9
21	13.9	12.8	12.2	11.5	10.7	10.8	10.6	12.6	15.2	16.5	17.6	18.5	18.5	18.7	18.9	19.3	18.7	16.6	14.5	13.8	12.6	11.6	11.5	10.4	14.5
22	9.7	9.9	9.6	8.9	8.3	8.2	8	10	14.2	17.3	18.5	19.8	20.4	20.9	21.5	21.5	21.3	17.9	16.3	14.7	13.6	12.9	12.3	12.1	14.5
23	12.6	12.3	12	11.9	11.4	10.9	10.6	12.3	15.4	18.7	21.1	22.9	24.3	25.3	25.2	25.1	23.7	20	18.2	17.7	17.4	16.9	16.5	16.1	17.4
24	15.6	14.9	14.3	14	13.8	13.5	13.9	15.2	17.7	20.6	22.6	24.5	25.9	25.6	26.5	26.5	25.6	23.1	21.2	19.7	19	18.6	18.5	18	19.5
25	17.7	17.3	16.9	16.3	16.1	15.1	14.7	16	18.8	21.6	23.8	25	25.3	25.2	25.1	24.4	22.2	19.4	18.6	18.6	18.9	19	18.6	18.1	19.7
26	18.3	18.7	18.9	19.1	18.8	18.4	18.1	18.3	19.6	21.1	21.8	21.4	21.2	20.3	20.2	20.2	19.6	19.6	19.4	19.3	19.2	19.1	18.9	19	19.5
27	19.4	19.6	19.6	19.3	19.2	19.1	19.2	19.4	19.6	19.9	19.9	19.6	19.2	18.6	18.4	18.3	18.1	17.9	17.7	17.4	17.2	17.1	17.3	17.3	18.7
28	16.9	17.1	17	16.8	16.8	16.7	16.9	17.2	16.1	15.9	16	15.6	16	15.8	15.5	15.7	15.7	15.6	15.6	15.5	15	14.8	14.3	16	
29	14.6	14.5	14.1	13.5	12.9	12.5	12.2	12	11.4	11.1	10.7	10.5	10.1	9.5	9	8.3	7.9	7.6	7.3	7.1	6.7	6.4	6.2	6.2	10.1
30	6	6.2	6.4	6.1	6.4	6.7	6.9	7.4	8.1	8.7	8.1	8.2	8.6	8.8	8.6	8.6	8.4	8.2	8.2	8.5	8.9	8.7	8.4	8	7.8
31	8.1	7.6	7.1	6.8	6.3	6.2	6.1	6.8	8.2	9.9	10.9	11.3	11.9	12.8	12.9	12.5	12	11.3	10.7	10.4	10.1	9.9	8.8	8.1	9.4
Avg	15.5	15.3	15.1	14.8	14.7	14.5	14.4	15.4	16.9	18.5	19.5	20	20.5	20.7	20.9	20.7	20	18.7	17.7	17.1	16.6	16.3	15.8	15.4	17.3
S D	4.4	4.3	4.4	4.5	4.6	4.6	4.6	4.3	4.1	4.4	4.7	5.1	5.1	5.2	5.2	5.2	5	4.7	4.5	4.3	4.3	4.3	4.5	4.6	4.2
S/A	0.28	0.28	0.29	0.3	0.31	0.32	0.32	0.28	0.25	0.24	0.24	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.27	0.28	0.29	0.24
Min	6	6.2	6.4	6.1	6.3	6.2	6.1	6.8	8.1	8.7	8.1	8.2	8.6	8.8	8.6	8.3	7.9	7.6	7.3	7.1	6.7	6.4	6.2	6.2	7.8
Max	23.5	23.4	23.5	23.4	23.7	23.6	23.5	24.1	25.5	26.6	27.1	27.6	28.3	29.2	29.4	29	27.8	26.5	25.1	24.6	24.3	24	24	23.7	25.5
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.

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

October 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	?	?	?	?	?	104.7 ?	103.1	100.2	99.2	96.7	91.3	85.1	85.5	84.9	87.1	89.1	93.4	95.6	96.7	97.9	100.3	102.8	104.6 ?	?	95.4 ?	
2	?	?	?	?	?	?	?	?	?	104.3 ?	101.5	99.1	102.3	103.5	99.2	99.1	100.2	102.1	103	103.3	104.1	104.8 ?	?	?	102 ?	
3	104.8 ?	104.8	?	?	?	?	?	?	?	103.3	99.9	98.6	96.9	95.5	90.9	90	91.8	97.3	101.8	104.2 ?	?	104.8 ?	?	?	98.9 ?	
4	?	?	?	?	?	?	?	?	104.6 ?	100	84.4	73.6	71.4	72.5	79.3	80.5	82	85.3	91.7	96.3	99.3	99	101.3	103.9	?	89.1 ?
5	?	?	?	?	?	?	?	?	102.2 ?	91	79.1	67.9	64.4	64.8	66	68.1	72.4	75.1	82.5	90.9	97.2	100.4	102.7	104.2 ?	?	83.1 ?
6	?	?	?	?	?	?	?	?	?	97.4	84.3	77	71.2	72	71.4	65.9	68.3	73.6	78.6	87.4	92	94.3	98.3	98.1	95.7	82.8 ?
7	92.8	90.4	92.9	97	97.7	95.5	96.2	95.1	94.1	96.3	98.2	?	103	101.6	103.6	104.3 ?	?	?	?	?	?	?	?	?	?	97.2 ?
8	104.6	104.6	104.3	104.8 ?	?	103.8	99.5	96.1	91.4	95.2	99.1	103.2 ?	?	?	?	?	?	?	?	?	?	?	?	?	?	100.6 ?
9	?	?	?	?	?	?	?	?	?	?	?	104.7 ?	104.2	103.8	103.3	103.8	104.6 ?	?	?	?	?	?	?	?	?	103.9 ?
10	?	?	?	?	?	?	?	?	?	100.7	98.8	91.2	83.1	78.8	75	73.3	76.2	82.6	88.7	92.5	95.4	96.5	97.5	100.3	100.3	88.7 ?
11	96.3	98.9	98.9	94.8	87.7	89.5	91.8	83.2	75.4	76	71.5	65.8	58.3	56.4	54.7	54.1	63	81.2	89.1	94.5	98.2	97.2	100.8	102.2	82.5	
12	104 ?	104.5 ?	?	?	?	?	?	?	102.9 ?	99	88.4	79.8	69.9	62.2	63.6	54.2	54.5	64.8	72.9	78.5	83.8	86.5	89.7	85.3	78.7	80.2 ?
13	79.3	80.4	84.3	90.4	96	96.7	97.3	90	82.5	74.2	72	70.5	69.4	69.1	69.1	70.2	72.4	81.1	89	95.9	100.1	100.5	?	?	83.2	
14	?	?	?	?	?	?	?	?	?	98.7	85.3	73.2	65.6	62.7	58.3	60.2	60	62.3	74.5	86.8	95.4	99.5	101.4	100.7	99.7	80.3 ?
15	100.4	102.1	104.3 ?	?	?	?	?	?	?	104 ?	95.6	83.1	80.5	83.7	85.6	82.6	84.1	88.9	94.8	96.6	102.2 ?	?	?	?	103.5 ?	93.2 ?
16	102.7	99.3	98.6	95.7	99.4	101.4	103.7	96.3	88.5	79.5	70.8	67.2	63.6	61.1	60.4	61.4	65	74.7	86.7	95.4	102	104.4 ?	?	?	85.4	
17	?	?	?	?	?	?	?	?	?	104.6 ?	94	74.1	71.2	67.6	75.5	70.8	69.2	76	79.1	86.3	94.5	98.2	100.7	101.9	103.1	85.4 ?
18	100.7	102.4	103.7	104.9 ?	?	?	104.3 ?	103.5	?	100.6	97.1	92	85.4	69.9	73.7	76.4	81.2	91	89	99	101.5	?	?	?	93.1 ?	
19	?	?	?	?	?	?	?	?	?	?	105 ?	103.1 ?	101.9	100.4	98.6	98.4	98.6	102.4	?	?	?	?	?	?	100.3	100.9 ?
20	93.1	90.6	87.5	93.2	95.9	98.4	99.7	93	82.2	71.7	60	51.6	44.7	44.9	46.1	47.3	50.3	58.4	68.1	76.3	78.9	78.4	74.5	77.9	73.4	
21	82.6	89.5	93.6	97.9	102.2	103.1	102.9	93.3	83.5	77.2	68.4	63.2	65.4	59.6	56.3	54.7	57	68.3	79.3	81.8	88.6	93.6	93.3	98.6	81.4	
22	99.8	99.4	100.5	102.9	?	?	?	102.9 ?	91.8	72.6	60.4	56.8	56.4	55.4	52.8	53.4	56.3	80.6	89	96.5	101.1	103.5	104.1 ?	?	81.8 ?	
23	?	?	?	?	?	?	?	?	101.9 ?	94	80	67.4	58.4	52.7	51.1	54.9	53.5	59.5	78.2	90.9	95.1	95	96.4	99.2	101.5	78.2 ?
24	103.1	104.7 ?	?	?	?	?	?	?	103.7 ?	97.9	85.3	72.9	64.8	59.2	62.3	60.4	61.1	65.1	74.9	85.4	90.7	95.2	102.3 ?	?	?	81.7 ?
25	?	?	?	?	?	?	?	?	?	98 ?	86.1	78.8	74.7	75	75.6	73.7	77.4	91.4	103.4 ?	?	?	?	?	?	?	83.4 ?
26	?	?	?	?	?	?	?	?	?	?	103.3 ?	102.3	102.7	103.1	?	103.1 ?	102.8	105 ?	?	?	?	?	?	?	104.9 ?	103.4 ?
27	103.3	101.9	101.5	102	102.2	101.8	101	100.3	98.9	97.9	97.6	98.6	101.3	103.9	104.3	103.6	103.1	103.1	104.1	104.9 ?	?	104.4 ?	103.5	103	102	
28	103.7	103	102.7	103.5	102.8	101.7	100	99	100.4	?	104.4	104.3	104.7	104.6	105 ?	104.6	?	104.8	?	104.7	104.5	103.2	104.1	104.9 ?	103.4 ?	
29	104.1	103.7	103.9	?	?	?	?	?	?	?	?	?	?	?	105 ?	104.8 ?	103.7	101.3	101.5	100.8	100	100.6	100.5	101	102.4 ?	
30	102.2	100.4	98.7	100.8	97	92.6	91	86.7	81.5	77.4	80.9	81.2	79.7	83.2	87.1	90.3	95.4	96.4	97.5	94.1	90	89	89.1	91.3	90.6	
31	90.8	94.3	95.8	96.3	97.3	95.9	94.8	90.7	86.3	80.2	75.4	73.5	72.3	70.6	71.2	75.5	79.4	81	85.7	87.5	91	90.9	94.3	94.2	86	
Avg	98.2	98.6	98.1	98.8	97.8	98.8	98.9	97.1	93.5	87.6	82.8	79.4	77.7	76.1	77.2	78	80.1	87.2	90.4	94.8	96.9	98.3	97.8	97.7	90.1 ?	
S D	7.7	6.8	6.2	4.7	4.4	4.8	4.4	6.3	8.1	10.3	14.3	16.6	18	17.9	19	18.9	17	12.9	8.6	7	6.4	6.5	8	8.2	9.2	
S/A	0.08	0.07	0.06	0.05	0.05	0.05	0.04	0.06	0.09	0.12	0.17	0.21	0.23	0.23	0.25	0.24	0.21	0.15	0.09	0.07	0.07	0.07	0.08	0.08	0.1	
Min	79.3	80.4	84.3	90.4	87.7	89.5	91	83.2	75.4	71.7	60	51.6	44.7	44.9	46.1	47.3	50.3	58.4	68.1	76.3	78.9	78.4	74.5	77.9	73.4	
Max	104.8	104.8	104.3	104.9	102.8	104.7	104.3	104.6	104.6	104.3	105	104.7	104.7	104.6	105	104.8	105	104.8	104.2	104.9	104.8	104.8	104.6	104.9	103.9	
n	204	199	172	140	120	137	149	196	266	308	339	325	343	336	346	354	326	321	285	269	269	249	189	184	6039	

Data Recovery: 0.0% missing; 0.0% untested; 32.4% 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

October 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	16	16.2	16.4	16.7	17.1	17.2	17.2	17.6	18	18.7	20.4	23.5	25.2	25.3	24.7	24.2	23.7	22.8	21.9	21.3	20.9	20.5	20.4	20.5	20.3
2	20.7	20.9	21.3	21.8	22.4	22.9	23.2	23.4	23.7	25	27.1	28.3	27.9	27	27.6	28.5	28.2	27	26	25.2	24.7	24.3	24	23.8	24.8
3	23.6	23.4	23.4	23.3	23.5	23.5	23.4	24.1	26	28.3	30.2	31.2	31.8	33.2	34.3	34	32.2	29.7	27.3	25.5	24.6	24.2	23.9	23.8	27
4	23.5	23.3	23	22.6	22.3	22	21.9	23.6	26.1	29.2	32.1	33.7	33.7	33.3	33	32.1	29.8	27.3	25.2	23.3	21.9	21.1	20.4	19.7	26
5	19.2	18.9	18.6	18.4	18.2	18	18	19.2	22.2	26.2	29.7	31.5	31.8	31.5	31.2	30.4	28.9	26.5	23.5	21.3	20	19.2	18.3	17.6	23.3
6	17.3	17.3	17.4	17.4	17.5	17.6	17.7	19.5	22.9	26.6	29.5	31.3	32.3	32.5	32.4	32.5	30.8	29	26	23.5	22.2	21.6	21.4	20.6	24
7	19.9	19.2	18.8	18.5	18.4	18.4	17.9	17.7	18.8	20.4	22	19.7	18	19.8	19.7	18.6	17.6	16.6	15.8	15	14.5	13.5	12.8	12.6	17.7
8	12.6	12.7	12.8	12.9	13	13.1	13.3	13.8	15.2	16.1	16.3	15.9	15.2	15.6	16.1	15.9	15.5	15.1	14.8	14.7	15.1	15.4	15.2	14.4	14.6
9	14.2	14.3	14.7	15	15.2	15.3	15	14.8	14.8	15.3	16	16.9	17.6	17.9	18.1	18.1	18	17.6	17.1	16.6	16.3	16	15.9	15.7	16.1
10	15.5	15.3	15.1	14.9	14.8	14.6	14.6	14.6	15	16.1	17.4	18.4	20.2	21.3	22.7	24.1	24.1	22.5	19.2	16.8	15.5	14.9	14.6	14.1	17.3
11	13.7	13.2	12.5	11.9	11.5	11	10.2	12.1	15.9	18.9	21.5	23.4	24.1	24.3	24.8	25.6	25.3	21.8	16.6	13.3	11.3	10.3	9.9	9.1	16.3
12	8.9	8.6	8.8	8.5	8.4	8.3	8.4	10.9	15.3	19.5	22.6	24.9	26.8	27.2	26.3	25.7	24.7	22.1	18.1	15.5	14.2	13.7	13.4	12.8	16.4
13	11.7	10.6	9.8	9.4	9.1	8.8	8.7	10.8	15.4	19.1	21.5	23.2	24.1	24.3	24.4	24.5	23.8	21.2	16.8	14.2	12.4	11.5	10.9	9.9	15.7
14	9.2	9	8.9	8.9	8.9	9.1	9.5	12.3	17.8	23.3	27.4	29.7	30.5	30.4	30.4	30.5	30	27.5	23.1	20.6	19.2	18.4	18	17.9	19.6
15	17.5	17.2	17.1	16.6	16	15.7	15.7	16.3	17.9	22.2	26.9	28.4	29.4	29.8	30.2	29.8	27.8	25.2	23.2	21.9	20.2	19.1	18.4	18	21.7
16	17.4	16.1	14.8	13.8	12.7	11.5	10.6	12.1	14.1	17.3	20.5	22.2	23.2	24	24.5	24.8	24.2	21.7	16.8	13.5	11.4	10.1	9.2	8.7	16.5
17	8.5	8.7	8.5	8.3	8.7	8.8	9	9.6	11.2	14.8	21	24.2	26.2	26.1	24.4	24.5	22.8	20.6	17.7	15.6	14.5	13.3	12.5	11.7	15.5
18	11.7	12	12.2	12.6	12.9	13.1	13.4	15	16.3	18.8	24	27.8	29.9	30.7	30	28.1	25.7	23.4	22.5	21.4	20.9	20.6	20.4	20.5	20.2
19	20.8	20.5	20	19.6	19.5	19.5	19.7	20	20.6	21.3	21.9	22	23.6	24.2	24.9	25.4	25.8	25.2	22.5	20.9	20	19.5	18.7	17.4	21.4
20	15.7	14.6	13.9	13.2	12.6	12	11.4	12.8	17.3	21.3	25.5	27.7	28.6	28.3	27.9	27.8	26.7	23.7	20.1	17.6	16.1	15.2	14.9	14.5	19.1
21	13.8	13	12.2	11.5	10.5	9.6	9.2	11	15.5	19.1	21.8	23.8	24.8	24.6	24.6	24.6	24.1	21.3	16.2	12.9	11.5	10.3	9.6	8.8	16
22	7.9	7.6	7.5	7.2	6.7	6.5	6.4	8.6	14.2	20.2	24.2	26.2	27.4	27.2	27.1	27.2	26.5	23.6	18.6	15.4	12.9	11.5	10.7	10.2	15.9
23	10.2	10.6	10.9	10.9	10.6	10.1	9.5	11.1	15.5	20.6	25.2	28.8	30.5	31.3	31.5	31.5	29.9	25.8	20.8	18.1	17	16.2	15.6	15.3	19.1
24	14.8	14.2	13.6	13.1	12.7	12.5	12.5	14	18	22.5	26.2	28.9	31.2	31.3	30.7	31.1	30.1	27.1	23	20.3	18.6	17.5	17.4	17.5	20.8
25	17.2	16.9	16.6	16.1	15.5	15.2	14.4	15.5	19.5	23.9	28.7	31.6	32.6	32.3	31.5	30.8	29.1	24.8	20.9	19.4	19.2	19.3	18.9	18.1	22
26	18	18.3	18.7	18.9	19	18.8	18.6	18.4	19.4	21.7	24.2	24.3	24	23.1	21.7	21.4	20.9	20.2	19.7	19.4	19.2	19.1	18.9	18.7	20.2
27	18.9	19.2	19.4	19.5	19.4	19.3	19.3	19.4	19.8	20.4	20.2	20.1	20	19.6	18.9	18.4	18.1	17.8	17.5	17.4	17.3	17.1	17	16.9	18.8
28	16.8	16.6	16.6	16.5	16.4	16.4	16.4	16.7	16.7	16	15.9	15.8	15.7	15.8	15.7	15.6	15.6	15.6	15.5	15.5	15.4	15.2	14.9	14.6	15.9
29	14.4	14.4	14.3	14	13.6	13.2	12.8	12.5	12.1	11.7	11.4	11	10.7	10.3	9.7	9.1	8.5	7.9	7.5	7.2	6.8	6.5	6.2	6	10.5
30	5.9	5.8	5.9	5.8	5.7	5.8	6.2	6.8	8.2	10	10.6	10.2	10.2	10.7	10.9	10.2	9.5	8.8	8.4	8.3	8.5	8.6	8.5	7.8	8.2
31	7.5	7.1	6.4	5.9	5.5	5.2	5.1	6.4	9.4	12.4	14.9	15.9	15.4	15.7	15.8	15	13.7	12.6	11.6	10.7	10.4	10	9	7.9	10.4
Avg	14.9	14.7	14.5	14.3	14.1	14	13.8	14.9	17.2	19.9	22.5	23.9	24.6	24.8	24.7	24.5	23.6	21.7	19.2	17.5	16.5	15.9	15.5	15	18.4
S D	4.7	4.7	4.7	4.8	4.9	5	5	4.7	4.2	4.6	5.4	6.2	6.6	6.5	6.5	6.6	6.3	5.5	4.8	4.6	4.5	4.6	4.7	4.8	4.4
S/A	0.31	0.32	0.33	0.34	0.35	0.36	0.36	0.31	0.25	0.23	0.24	0.26	0.27	0.26	0.26	0.27	0.27	0.25	0.25	0.26	0.27	0.29	0.3	0.32	0.24
Min	5.9	5.8	5.9	5.8	5.5	5.2	5.1	6.4	8.2	10	10.6	10.2	10.2	10.3	9.7	9.1	8.5	7.9	7.5	7.2	6.8	6.5	6.2	6	8.2
Max	23.6	23.4	23.4	23.3	23.5	23.5	23.4	24.1	26.1	29.2	32.1	33.7	33.7	33.3	34.3	34	32.2	29.7	27.3	25.5	24.7	24.3	24	23.8	27
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

October 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	0	0	0	0	0.4	0.2	0	0.3	1	1.5	2	2.3	1.8	1.7	2	2.3	2	2.3	1.6	1.1	1.8	1.7	1.8	1.5	1.2
2	0.9	0.5	0.6	1.1	1.4	1.5	1.2	1.5	1.8	2	3.1	4.2	3.4	4	3.9	2.9	2.6	2.8	2.6	2.8	1.8	1.1	1.5	2	2.1
3	2.9	2.6	2	1.3	1.3	1	0.7	1.1	1.7	1.9	1.9	2	2.1	2.2	1.8	2	2.3	0.8	1.4	1.3	0.5	0.5	1.2	1.5	1.6
4	1.5	1.2	0.6	1	1.1	0.8	0.6	1.2	2.4	2.2	2.8	3.7	3.6	3.2	3.1	3.4	2.7	1.6	1.3	1.1	1.3	1.4	1.2	0.8	1.8
5	0.8	0.4	0.4	0.3	0.2	0.2	0.1	0.6	1.5	2.2	2.1	2	1.7	1.7	1.7	2.1	1.4	1.5	0.3	0.4	0.5	0.4	0.2	0.4	1
6	0.3	0.1	0.1	0.6	0.4	0.3	0.6	0.9	1.9	2.7	3.3	3.4	3.4	2.7	3.1	2.6	1.7	0.5	0.2	0	0.2	2.3	2.6	2.1	1.5
7	2.3	1.7	2.6	2.6	2.5	2.6	2.3	3.2	2.8	3	2.8	3.2	3	3.3	2.8	1.9	1.6	2.3	1.9	2.3	3.3	2.7	2.8	2.1	2.6
8	1.8	2.4	2.2	2.7	2.2	2.3	1.9	2.3	3.1	3.1	3	2.1	2.9	2.5	2.8	2.2	3.3	3.6	4.3	3.3	2.1	1.7	2.7	2.4	2.6
9	2.5	1.4	1.5	2	2	1.5	1.5	2	1.7	2.1	3.3	3.2	2.7	2.6	2.5	2.1	2.1	1.1	1.2	1	1.1	0.7	1	0.8	1.8
10	0.5	0.8	1	0.7	1.7	1.5	1.6	2.2	2.4	2.1	2.4	2.4	2.4	2.9	3	3	2.1	1.2	1	1.1	1.3	1.6	1.6	1.6	1.8
11	2.3	1.7	1.5	2	1.9	1.3	0.9	1.7	2.9	3	2.7	2.5	2.1	1.5	1	0.7	1.7	1.5	0.5	0.1	0.2	0.3	0	0.3	1.4
12	0.1	0.6	0.1	0.1	0.1	0.1	0.1	1.1	2.1	2.6	3	2.4	1.9	3.4	3.2	3	2.6	2	0.6	0.8	1.6	3	3.6	3.2	1.7
13	2.1	1.9	2.4	2.4	1.7	1	0.5	0.8	1.8	3.5	3.1	2.8	2.6	2.4	1.9	1.6	1.6	1.1	1	0.3	0.2	0.2	0.1	0	1.5
14	0	0	0	0	0	0	0	0	0.2	1.8	2.8	2.9	3	3	2.9	2.8	1.9	1.1	1.1	1.3	1.3	1.5	2	1.2	1.3
15	1.2	2.3	1.1	0.7	0.8	0.7	0.7	0.8	1.1	2.7	3.5	3.6	3.7	2.9	1.2	1.1	1.1	1.2	2.6	1.7	0.8	1.5	2.4	3.8	1.8
16	3.7	2.9	2.9	2.5	1.7	1.3	1.6	2.2	3.1	3.2	3.9	3.8	2.3	2.3	1.7	1.9	1.1	0.2	0.2	0	0.1	0	0	0.1	1.8
17	0.2	0	0	0.3	0.1	0	0	0	0	0.1	0.6	1.2	1.1	2.4	1.4	1.4	2	1.4	1	1.4	0.5	0.8	0.2	0.8	0.7
18	1.4	0.8	1	1.1	0.7	1.2	1.7	1.4	1.8	2.2	1.9	1.4	1.9	2.4	2.7	2.8	1.7	2.4	2.2	2.2	2.3	1.9	1.1	1.4	1.7
19	0.5	0.6	0.4	0.6	0.8	0.9	1	1.4	1	1.7	2	2.2	2.7	2.7	2.6	2.8	2.5	2.2	1.9	1.7	1.7	1.7	1.2	0.9	1.6
20	1.3	1	1.1	0.9	1.3	1.1	1.1	1.2	1.8	1.5	2.1	2.6	3.9	3.7	3.5	3.3	2.7	1.8	1.1	1	1.5	2	2.4	1.5	1.9
21	1	0.6	0.7	0.8	0.8	0.7	0.7	1.3	2.7	3.5	3.1	2.8	2.7	2.4	2.2	1.2	0.8	0.2	0.1	0.5	0.2	0.6	0.3	0.2	1.2
22	0.2	0.8	0.2	0.1	0.4	0.4	0	0	0.4	0.9	1.8	1.4	2	1.7	1.5	1.1	0.2	1.1	0.6	0	0	0	0	0.1	0.6
23	0.4	1	0.8	0.9	0.8	0.4	0.1	0.7	1.1	1.3	1.3	1.5	1.3	0.9	1	1.6	2	2	1.1	1.7	1.6	1.4	1.5	1.5	1.2
24	1	0.9	0.9	0.8	0.8	1	1.6	1.5	2	2.1	2.8	2.5	2.3	1.6	1.8	1.5	1.4	0.1	0	0.2	0.4	1.2	2.1	1	1.3
25	1	0.7	0.4	0	0	0	0	0	0.5	0.4	1.1	1.7	2	2.3	2.2	1.9	2.4	2.6	1.9	2.2	2.4	2.1	1.1	0.7	1.2
26	1	1.2	1.3	1.5	1.5	1	0.9	1.7	2.3	3.1	3.5	3.3	2.8	2	2.5	3	3	1.8	1.6	2	2.2	1.7	1.5	1.7	2
27	3	3.2	4	4.3	4.9	4.7	4.9	5	5.3	5.4	5.3	5.1	5.4	5.6	5.6	6	5.7	5.8	5.6	5.4	6.2	6.6	5.9	6.6	5.2
28	6.9	7	6.8	7	7.4	7.8	7.3	8.5	8.2	7.8	7.7	7.9	8.6	7.4	6.3	6.2	5.8	6	5.4	5.9	5.3	6.6	6.9	4.6	6.9
29	3.8	4.2	4	4.5	3.7	3.9	4.5	4.4	4.2	4.5	4.7	5.8	6.9	6.3	6.7	7.5	6.8	7.4	7	7.2	6.9	6.9	6.4	6.7	5.6
30	5.9	5.3	5.6	5.5	5.1	5	5	5.2	5.3	5.5	5.7	5	5.1	4.8	4.2	2.3	2	2.2	2	2.3	2.8	2.8	2.1	1.7	4.1
31	2.3	2.3	2.1	1.8	2.1	2.3	3.2	2.8	3.4	3.6	4.2	3.7	3.7	3.7	3.1	2.4	2.4	2	1.5	1.8	1.7	1.8	1.8	1.7	2.6
Avg	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.8	2.3	2.7	3	3.1	3.1	3	2.8	2.6	2.4	2.1	1.8	1.8	1.7	1.9	1.9	1.8	2.1
S D	1.7	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.6	1.4	1.4	1.6	1.4	1.4	1.5	1.4	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.4
S/A	0.97	0.99	1.07	1.06	1.04	1.15	1.18	0.99	0.72	0.58	0.47	0.47	0.52	0.48	0.51	0.58	0.6	0.81	0.95	0.98	0.98	0.94	0.92	0.94	0.68
Min	0	0	0	0	0	0	0	0	0	0.1	0.6	1.2	1.1	0.9	1	0.7	0.2	0.1	0	0	0	0	0	0	0.6
Max	6.9	7	6.8	7	7.4	7.8	7.3	8.5	8.2	7.8	7.7	7.9	8.6	7.4	6.7	7.5	6.8	7.4	7	7.2	6.9	6.9	6.9	6.7	6.9
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

October 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	0	0	0	65	54	59	69	91	187	153	114	111	105	107	115	122	118	123	108	105	115	124	130	139	120
2	143	140	144	154	176	208	185	183	209	211	213	214	212	209	227	229	235	218	227	238	240	241	226	234	215
3	244	251	253	258	268	245	232	237	260	252	240	255	235	243	253	224	211	183	185	205	197	220	248	255	239
4	259	272	274	279	282	283	279	293	320	336	323	317	326	328	293	295	306	313	299	308	304	311	299	296	306
5	311	327	341	354	339	6	10	53	71	73	85	108	126	145	153	168	182	191	156	182	191	211	208	215	128
6	210	215	237	255	248	241	264	272	271	285	284	270	271	279	292	304	292	296	276	266	322	78	87	94	285
7	78	74	85	94	84	57	66	80	73	94	51	42	77	83	75	48	42	40	4	1	20	31	42	37	59
8	37	38	41	44	49	56	64	87	91	87	90	56	64	80	83	54	71	66	84	101	84	49	41	47	68
9	48	47	20	32	28	8	7	10	22	46	47	50	44	50	56	53	48	26	21	9	10	0	5	355	35
10	344	330	323	328	318	318	324	323	313	320	326	309	318	322	319	295	309	307	294	293	288	291	290	319	313
11	351	16	23	27	31	22	14	33	45	60	67	74	73	108	112	133	201	202	164	133	159	185	199	188	55
12	238	269	249	269	260	285	284	278	276	296	326	347	14	55	61	63	75	66	56	53	57	62	64	62	37
13	59	49	49	50	62	72	49	55	92	119	118	124	118	119	103	116	124	127	128	127	126	134	319	357	96
14	5	0	0	0	0	0	0	115	177	202	230	238	261	245	248	240	240	217	205	223	222	227	218	224	233
15	232	223	276	290	256	248	260	220	277	267	289	298	331	323	325	228	171	177	217	341	304	317	338	25	292
16	44	28	27	22	3	3	13	22	25	45	49	50	51	44	19	357	27	23	57	188	176	0	0	267	32
17	270	311	0	339	355	0	0	0	0	280	252	302	256	161	215	200	182	185	183	184	193	190	194	185	199
18	164	157	144	132	123	126	135	144	146	131	155	139	152	244	185	165	162	166	173	161	176	183	183	213	163
19	215	202	211	186	200	229	240	203	238	218	211	219	238	244	245	243	231	215	218	223	238	274	266	262	231
20	257	262	267	254	267	271	267	283	290	284	271	286	260	259	254	279	291	320	339	343	353	8	26	11	288
21	352	326	340	344	0	11	12	33	46	67	67	70	47	49	48	27	27	3	352	341	299	337	351	284	39
22	291	322	355	356	355	16	344	6	8	38	30	21	10	12	16	33	17	167	185	0	208	226	261	253	17
23	249	270	280	289	285	259	276	289	295	295	311	289	265	229	172	220	217	192	189	205	224	217	249	257	245
24	267	272	265	275	276	264	283	301	297	300	314	289	289	311	313	270	256	250	215	222	228	243	249	269	283
25	278	285	272	2	357	355	0	46	69	99	109	123	122	117	106	111	101	93	106	98	99	93	82	87	104
26	93	90	90	88	79	72	65	57	78	85	97	108	92	74	72	80	85	73	68	75	84	78	71	72	82
27	86	88	93	92	91	92	97	97	98	99	96	91	87	86	83	79	75	83	78	80	75	65	71	72	85
28	72	71	64	63	62	60	73	83	68	66	65	56	58	68	65	63	65	61	53	51	42	44	47	10	61
29	12	11	7	12	2	6	359	351	347	346	338	332	328	327	328	319	309	296	294	294	302	294	291	287	325
30	283	271	267	264	263	256	255	255	262	271	281	285	278	281	277	268	283	283	255	253	264	279	273	255	270
31	255	258	262	269	279	275	287	292	293	295	289	299	296	305	306	298	322	317	295	288	283	293	293	303	291
Avg	14	5	20	31	24	23	19	32	18	38	18	2	359	7	2	339	31	92	107	13	9	11	12	360	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: 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.

October 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	0	0	0	0.1	0.9	0.7	0.3	0.9	1.9	2.7	3.5	4	3.2	3	3.7	4.3	3.5	3.6	2.8	2.4	3.4	3.3	3.3	3	2.3
2	2	1.3	1.6	2.2	2.6	3	2.4	3	3.5	3.9	5.6	7.3	6	6.4	7	5.2	4.4	4.6	4.7	5.1	3.2	2.4	3	3.8	3.9
3	5.2	4.3	3.6	2.4	2.6	2	1.6	2.3	3.1	3.6	3.2	3.3	3.6	4	3.2	3.5	3.7	1.6	2.4	2.3	1.3	1.3	2.4	2.6	2.9
4	2.7	2.6	1.7	2.1	2.3	1.7	1.5	2.4	4.3	4.4	5.2	6.8	6.8	6.5	5.4	5.9	5	3.5	2.7	2.3	2.7	2.5	2.1	1.6	3.5
5	1.7	1.3	1.4	1.3	0.9	1	0.8	2	3.4	4.3	4.1	3.7	3.2	3.2	3.2	3.5	2.6	2.5	0.9	1.1	1.2	0.9	0.5	1.1	2.1
6	1.1	0.9	1	1.4	1.5	1.2	1.4	2.1	3.7	5	5.8	6.2	6.2	5.3	5.9	5.3	3.2	1.3	0.6	0.2	0.6	4.6	4.8	4.1	3.1
7	4.4	3.5	4.7	4.6	4.8	5.2	4.8	5.8	6	5.7	5.5	6.8	5.6	5.7	5.2	3.6	3.7	4.4	4.3	5.4	6.9	5.5	5.2	4.3	5.1
8	4.3	4.6	4.5	5	4.5	4.7	3.9	4.4	5.7	5.7	5.3	4.1	5.3	4.9	5.9	4.3	6.5	6.8	8.8	6.4	4.4	3.4	5	4.5	5.1
9	4.6	3.4	3.5	4	4.3	3.5	3.9	4.5	3.9	4.3	5.5	5.8	5.2	4.6	4.6	4.2	4	2.9	3	3.2	3	2.2	2.4	2.5	3.9
10	1.7	2.1	2	1.9	3.1	3.3	3.6	4.4	4.7	4.6	4.5	4.2	4.6	5.1	5.3	5	4	2.3	1.8	2	2.2	2.6	2.8	2.9	3.4
11	4.7	3.7	3.1	3.7	3.4	2.6	2.2	3.8	5.9	5.4	5.2	4.8	4.3	3.3	2.3	1.9	3.3	2.5	1.3	0.4	0.5	0.9	0.2	0.7	2.9
12	0.4	1.2	0.9	0.5	0.6	0.3	0.6	2.2	3.8	5	5.4	4.5	4.1	6.3	6	5.5	5.2	3.9	1.6	1.8	3.3	5.7	6.8	5.9	3.4
13	4.4	3.5	4.2	4.4	3.6	2.6	1.6	2.3	3.6	6.4	5.4	4.9	4.8	4.5	3.7	3.5	3	2.2	2	1	0.5	0.5	0.4	0.1	3
14	0	0	0	0	0	0	0	0	0.8	3.3	4.9	5.4	5.2	5.5	5.4	4.7	3.4	2.1	2	2.5	2.4	2.6	3.4	2.3	2.3
15	2.2	4	1.8	1.4	1.6	1.5	1.5	1.8	2.2	5.1	6.2	6.3	7.2	5.9	2.9	2.1	2	2.1	4.5	3.8	2	3.1	4.9	7.7	3.5
16	6.8	5.7	5.7	5	3.6	3	3.4	4.6	5.9	6.5	6.8	6.5	5.1	4.9	4	4.3	2.7	1	0.5	0.2	0.4	0	0	0.3	3.6
17	0.4	0.1	0	0.8	0.4	0	0	0	0	0.5	1.7	2.5	2.8	4	2.7	2.6	3.4	2.3	1.8	2.5	1.4	1.5	0.9	1.5	1.4
18	2.1	1.6	1.7	2	1.5	2.1	3	2.8	3.3	4	3.5	2.8	3.5	4.2	4.3	4.4	2.9	3.8	4.2	3.9	4	3.5	2.3	2.9	3.1
19	1.5	1.3	1.3	1.5	1.7	1.9	1.9	2.6	2.3	3	3.6	4.3	4.6	4.6	4.4	4.7	4.3	3.6	3	2.9	3.2	3.1	2.5	1.9	2.9
20	2.2	2.1	2	1.8	1.9	1.8	1.6	2.2	3.1	2.8	3.8	5.2	6.5	6.4	6.1	5.8	4.5	3.3	2	1.9	3.1	4.2	4.5	3.4	3.4
21	2.3	1.3	1.6	1.8	1.9	1.8	1.7	2.9	5.4	6.3	5.6	4.9	5.2	4.8	4.2	3	2.2	1	0.3	1.3	0.4	1.5	0.9	0.5	2.6
22	0.6	1.5	1	0.4	1.2	1.3	0.1	0.4	1.7	2.7	4.1	3.9	4.4	4	3.6	2.7	1.1	2	1.2	0	0.1	0.1	0.2	0.8	1.6
23	1.1	1.6	1.6	1.7	1.5	0.8	0.3	1.2	2.1	2.6	2.7	3.1	2.8	2.3	2.2	3	3.7	3.2	1.8	2.8	3.1	2.3	2.5	2.4	2.2
24	1.7	1.6	1.5	1.5	1.6	1.9	2.9	2.8	3.5	3.9	5.1	4.8	4.5	3.1	3.5	2.8	2.7	0.5	0.1	0.9	1.3	2.3	3.2	1.8	2.5
25	1.8	1.3	1	0.1	0.3	0.1	0	0	1.5	1.6	2.5	3.2	3.4	4	3.8	3.5	3.9	4.6	3.7	4.1	4.5	3.9	2.5	2	2.4
26	2.4	2.6	2.8	3.2	2.9	2.6	2.4	3.5	4.9	5.4	6.3	5.8	5.1	4	4.7	6.1	5.3	3.7	3.5	4	4.3	3.5	3.4	3.5	4
27	5.7	5.9	7.5	7.9	8.6	8.1	8.5	9.8	9.4	10	9.8	9.7	10.1	10.5	10.5	11	10.4	10.4	10.4	10.1	10.6	11.4	11.1	12.5	9.6
28	11.8	12.4	12	12.5	13.6	13.6	13.1	14.9	14.4	13.5	13.7	13.5	14.7	12.8	10.8	10.6	10.3	10.6	9.6	10.4	9.2	11.8	12.3	8.5	12.1
29	7.6	8.3	8.2	8.9	7.9	8	9	8.6	8.9	9.4	9.2	10.6	12.5	12	12.7	13.1	11.7	13.4	12.3	12.9	12.2	12.5	11.8	11.5	10.5
30	10.9	10.6	10	10.3	9.4	9.2	9.1	9	9.6	11.4	10.2	8.9	9.1	8.7	7.4	4.4	3.6	4.2	3.5	4.1	5.3	5.1	3.9	3	7.5
31	4.2	4.2	3.9	3.9	4.1	4.6	5.5	5.1	5.9	6.1	7.3	6.5	6.3	6.8	5.8	4.2	4.4	3.8	2.6	3	3.1	3.1	3.3	3.2	4.6
Avg	3.3	3.2	3.1	3.2	3.2	3	3	3.6	4.5	5.1	5.5	5.6	5.7	5.5	5.2	4.8	4.3	3.8	3.3	3.4	3.3	3.6	3.6	3.4	4
S/D	2.9	2.9	2.9	3.1	3	3	3.1	3.2	3	2.8	2.5	2.4	2.7	2.5	2.5	2.4	2.9	3	3	2.9	3.1	3.2	3	2.6	
S/A	0.88	0.92	0.94	0.97	0.95	1	1.05	0.89	0.66	0.54	0.45	0.43	0.48	0.45	0.47	0.53	0.55	0.76	0.9	0.9	0.87	0.87	0.87	0.87	0.64
Min	0	0	0	0	0	0	0	0	0	0.5	1.7	2.5	2.8	2.3	2.2	1.9	1.1	0.5	0.1	0	0.1	0	0	0.1	1.4
Max	11.8	12.4	12	12.5	13.6	13.6	13.1	14.9	14.4	13.5	13.7	13.5	14.7	12.8	12.7	13.1	11.7	13.4	12.3	12.9	12.2	12.5	12.3	12.5	12.1
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.

October 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	1010	1010	1010	1010	1010	1011	1011	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	
2	1011	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1012	1011	1011	1010	1010	1011	1011	1012	1013	1013	1013	1014	1014	1014	
3	1014	1015	1015	1015	1015	1016	1016	1017	1018	1018	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1019	1019	1019	1017	
4	1019	1019	1018	1019	1019	1020	1020	1020	1021	1021	1020	1020	1019	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1018	1019	
5	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1018	1018	1017	1017	1016	1015	1015	1015	1015	1015	1015	1015	1015	1014	1017	
6	1014	1013	1013	1013	1013	1012	1013	1013	1013	1013	1012	1011	1010	1009	1009	1009	1010	1010	1011	1011	1011	1012	1013	1013	1012	
7	1013	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1015	1014	1013	1013	1013	1013	1014	1015	1016	1017	1018	1018	1018	1014	
8	1018	1018	1018	1018	1019	1019	1020	1020	1021	1021	1020	1020	1019	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1018	
9	1015	1016	1015	1015	1015	1015	1016	1016	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	
10	1015	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1014	1013	1012	1012	1012	1012	1012	1013	1014	1014	1015	1015	1016	1014	
11	1016	1017	1017	1018	1019	1020	1021	1022	1023	1023	1024	1023	1023	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1021	1021	
12	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1019	1020	1021	1021	1022	1023	1024	1025	1026	1026	1021	
13	1026	1026	1026	1026	1026	1027	1028	1029	1029	1029	1029	1029	1028	1027	1027	1027	1027	1026	1027	1027	1026	1026	1026	1025	1027	
14	1025	1024	1023	1023	1023	1023	1023	1023	1023	1023	1023	1022	1021	1020	1019	1018	1018	1018	1017	1017	1017	1017	1016	1015	1020	
15	1014	1013	1013	1012	1012	1012	1011	1011	1011	1011	1010	1009	1008	1007	1006	1005	1004	1004	1003	1004	1005	1005	1005	1005	1008	
16	1006	1007	1007	1007	1008	1009	1010	1011	1011	1011	1011	1010	1010	1009	1009	1009	1009	1010	1010	1010	1011	1011	1011	1011	1010	
17	1011	1012	1011	1012	1012	1013	1013	1014	1014	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1014	1014	1013	1013	1013	
18	1012	1012	1012	1012	1012	1012	1012	1012	1013	1012	1012	1012	1011	1010	1009	1009	1009	1009	1009	1009	1009	1009	1008	1008	1007	1011
19	1007	1006	1006	1006	1006	1006	1007	1007	1007	1007	1007	1006	1005	1005	1005	1004	1004	1004	1004	1004	1005	1006	1006	1006	1006	
20	1006	1006	1006	1006	1006	1006	1007	1007	1007	1008	1008	1007	1006	1006	1006	1006	1006	1007	1008	1009	1009	1010	1010	1010	1007	
21	1011	1011	1012	1012	1013	1014	1015	1016	1017	1017	1017	1017	1017	1016	1016	1016	1016	1017	1017	1017	1018	1018	1018	1018	1016	
22	1018	1018	1018	1018	1019	1019	1020	1021	1021	1021	1021	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	
23	1019	1019	1018	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1018	1018	1018	1018	1018	1018	1018	1018	1019	1018	1018	1019	
24	1019	1019	1018	1018	1019	1019	1019	1020	1020	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	
25	1019	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1019	1019	1018	1018	1018	1018	1018	1019	1019	1019	1018	1018	1018	1019	
26	1017	1017	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1016	1015	1014	1014	1013	1013	1013	1013	1013	1012	1012	1011	1015	
27	1010	1009	1008	1008	1007	1007	1007	1007	1007	1007	1006	1006	1005	1004	1004	1003	1003	1003	1003	1003	1002	1001	1001	1001	1005	
28	1000	999	998	998	997	997	997	998	997	997	997	996	995	994	994	994	994	993	993	993	993	992	991	991	995	
29	991	990	990	989	990	989	989	989	989	988	988	987	987	986	985	985	984	984	984	985	985	985	986	986	987	
30	987	987	987	988	989	990	991	992	993	994	994	995	995	995	995	995	996	997	998	998	999	999	999	999	994	
31	999	1000	1000	1000	1001	1001	1002	1002	1003	1002	1002	1002	1001	1001	1001	1001	1002	1003	1003	1004	1004	1004	1004	1004	1002	
Avg	1012	1012	1012	1012	1012	1012	1013	1013	1014	1014	1013	1013	1012	1012	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012	1012	
S/D	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	987	987	987	988	989	989	989	989	988	988	988	987	987	986	985	985	984	984	985	985	985	985	986	986	987	
Max	1026	1026	1026	1026	1026	1027	1028	1029	1029	1029	1029	1029	1029	1028	1027	1027	1027	1027	1026	1027	1027	1026	1026	1026	1027	
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

October 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	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.3	13.3	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.8	
2	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13	13.2	13.2	13.1	13.1	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.8
3	12.7	12.7	12.6	12.6	12.6	12.6	12.7	13.1	13.2	13.1	13.1	13.1	13.1	13	13	13	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8	
4	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.3	13.2	13.1	13.1	13	13	13	13.1	13.1	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	
5	12.6	12.6	12.6	12.6	12.6	12.5	12.8	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9	
6	12.7	12.6	12.6	12.6	12.6	12.6	13	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9	
7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13	13.4	13.4	13.2	13.3	13.4	13.4	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.9	
8	12.6	12.6	12.5	12.5	12.5	12.5	12.5	13.1	13.2	12.9	12.9	12.8	13.5	13.4	12.9	12.8	12.7	12.7	12.6	12.5	12.5	12.5	12.5	12.5	12.5	12.7	
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.9	13.4	13.4	13.3	13.2	13	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.5	12.5	12.7	
10	12.5	12.5	12.5	12.5	12.5	12.4	12.4	12.5	13.4	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9	
11	12.7	12.7	12.6	12.6	12.6	12.6	13.2	13.6	13.5	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.6	13	
12	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.6	13.5	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13	
13	12.7	12.6	12.6	12.6	12.6	12.6	13.2	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.2	13.3	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13	
14	12.7	12.6	12.6	12.6	12.6	12.6	13.2	13.6	13.4	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9	
15	12.7	12.7	12.7	12.6	12.6	12.6	12.7	13.1	13.4	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	12.7	12.9	
16	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.2	13.3	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13	
17	12.7	12.6	12.6	12.6	12.6	12.6	12.6	13	13.6	13.5	13.3	13.2	13.2	13.2	13.3	13.3	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9	
18	12.7	12.7	12.7	12.6	12.6	12.6	12.7	12.7	12.9	13.4	13.2	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8	
19	12.7	12.7	12.6	12.6	12.6	12.6	12.7	13.1	12.9	13.1	12.9	13.2	13.2	13.3	13.3	13.2	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9	
20	12.7	12.6	12.6	12.6	12.6	12.5	12.9	13.6	13.4	13.3	13.2	13.2	13.1	13.2	13.2	13.2	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9	
21	12.7	12.7	12.6	12.6	12.6	12.6	13	13.6	13.5	13.4	13.3	13.3	13.3	13.2	13.2	13.3	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13	
22	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.7	13.5	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13	
23	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.6	13.5	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9	
24	12.7	12.6	12.6	12.6	12.6	12.6	12.8	13.5	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9	
25	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.5	13.4	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9	
26	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9	
27	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.8	13	13.2	13.4	13.4	13.1	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.8	
28	12.6	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
29	12.5	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	
30	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.7	13.6	13.6	13.4	13.4	13.6	13.6	13.4	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.8	
31	12.6	12.6	12.6	12.5	12.5	12.5	12.9	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.5	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13	
Avg	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.9	
S D	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	
Max	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.7	13.6	13.6	13.5	13.5	13.6	13.6	13.5	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.7	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	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.