

October 2011

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	54	177	340	500	441	645	679	561	575	280	237	35	0	0	0	0	0	0	4524
2	0	0	0	0	0	0	54	234	393	494	485	550	687	444	460	400	155	17	0	0	0	0	0	0	4373
3	0	0	0	0	0	0	56	174	89	184	580	757	656	619	462	297	200	36	0	0	0	0	0	0	4109
4	0	0	0	0	0	0	51	223	422	592	690	787	760	661	521	371	173	32	0	0	0	0	0	0	5282
5	0	0	0	0	0	0	45	213	407	574	696	754	751	678	543	367	165	26	0	0	0	0	0	0	5221
6	0	0	0	0	0	0	50	220	417	665	725	718	770	634	467	361	170	29	0	0	0	0	0	0	5223
7	0	0	0	0	0	0	50	217	417	585	708	769	758	684	545	366	162	29	0	0	0	0	0	0	5290
8	0	0	0	0	0	0	47	208	402	572	693	756	777	666	538	357	119	24	0	0	0	0	0	0	5160
9	0	0	0	0	0	0	47	176	388	558	646	687	571	531	366	240	98	17	0	0	0	0	0	0	4326
10	0	0	0	0	0	0	36	152	261	373	361	365	390	263	226	160	58	8	0	0	0	0	0	0	2652
11	0	0	0	0	0	0	9	28	70	191	186	134	118	182	193	108	47	9	0	0	0	0	0	0	1274
12	0	0	0	0	0	0	11	39	60	146	141	234	185	105	133	170	53	13	0	0	0	0	0	0	1291
13	0	0	0	0	0	0	21	127	269	273	301	465	265	143 ?	246	201 ?	57 ?	40	0	0	0	0	0	0	2408
14	0	0	0	0	0	0	21	154	376	543	620	554	540	434	367	294	119	20	0	0	0	0	0	0	4041
15	0	0	0	0	0	0	38	188	377	541	661	719	710	644	514	334	132	16	0	0	0	0	0	0	4874
16	0	0	0	0	0	0	37	191	385	547	661	715	702	624	488	310	118	13	0	0	0	0	0	0	4791
17	0	0	0	0	0	0	31	196	322	535	674	660	662	611	462	232	89	13	0	0	0	0	0	0	4490
18	0	0	0	0	0	0	34	171	359	517	634	691	683	610	479	302	88	8	0	0	0	0	0	0	4577
19	0	0	0	0	0	0	8	29	49	193	203	205	275	328	288	157	90	11	0	0	0	0	0	0	1837
20	0	0	0	0	0	0	33	180	376	539	660	715	702	621	480	298	108	12	0	0	0	0	0	0	4724
21	0	0	0	0	0	0	32	172	363	522	639	694	683	603	466	287	99	8	0	0	0	0	0	0	4568
22	0	0	0	0	0	0	19	152	352	513	631	674	674	449	366	224	77	7	0	0	0	0	0	0	4139
23	0	0	0	0	0	0	14	154	342	503	620	681	665	588	421	250	81	9	0	0	0	0	0	0	4327
24	0	0	0	0	0	0	12	93	217	307	305	561	539	590	448	264	83	7	0	0	0	0	0	0	3427
25	0	0	0	0	0	0	27	158	347	505	619	677	667	591	452	271	83	2	0	0	0	0	0	0	4399
26	0	0	0	0	0	0	23	148	337	495	595	667	649	529	338	258	69	5	0	0	0	0	0	0	4113
27	0	0	0	0	0	0	21	140	315	480	597	652	637	564	428	250	75	6	0	0	0	0	0	0	4166
28	0	0	0	0	0	0	6	25	64	71	99	138	108	69	46 ?	?	4 ?	1	0	0	0	0	0	0	631 ?
29	0	0	0	0	0	0	6	31	42 ?	68	143	113	117	139	113	64	28	3	0	0	0	0	0	0	866
30	0	0	0	0	0	0	34	150	332	494	610	657	647	574	438	258	75	2	0	0	0	0	0	0	4271
31	0	0	0	0	0	0	18	108	269	308	358	461	389	240	166	81	53	10	0	0	0	0	0	0	2461
Avg	0	0	0	0	0	0	31	149	295	432	516	576	562	483	388	260	102	15	0	0	0	0	0	0	3801
S D	0	0	0	0	0	0	16	62	126	168	199	207	214	194	143	87	52	11	0	0	0	0	0	0	1388
S/A	0	0	0	0	0	0	0.52	0.42	0.43	0.39	0.39	0.36	0.38	0.4	0.37	0.33	0.51	0.73	0	0	0	0	0	0	0.37
Min	0	0	0	0	0	0	6	25	42	68	99	113	108	69	46	64	4	1	0	0	0	0	0	0	631
Max	0	0	0	0	0	0	56	234	422	665	725	787	777	684	575	400	237	40	0	0	0	0	0	0	5290
n	0	0	0	0	0	0	299	370	366	372	372	372	371	367	366	357	362	153	0	0	0	0	0	0	4127

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.1% exceed the 15% QC threshold -- 4172 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 2011

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	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	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: 99.2% missing; 0.0% untested; 0.8% exceed the 15% QC threshold -- 4172 total daylight measurements.

Instrument: Eppley NIP Serial Number: 23398E6 Calibration Factor: 7.1447 μV/W/m² Calibration Date: 07/2007

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

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

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

October 2011

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	24	52	97	227	362	272	255	234	133	107	88	15	0	0	0	0	0	0	1864
2	0	0	0	0	0	0	23	47	99	192	249	262	154	167	121	96	92	17	0	0	0	0	0	0	1519
3	0	0	0	0	0	0	28	114	89	184	307	127	208	158	169	137	62	16	0	0	0	0	0	0	1598
4	0	0	0	0	0	0	25	48	59	67	99	77	85	154	89	85	40	13	0	0	0	0	0	0	841
5	0	0	0	0	0	0	22	52	67	77	83	87	83	76	67	56	38	11	0	0	0	0	0	0	719
6	0	0	0	0	0	0	21	48	70	207	223	209	198	173	150	78	43	13	0	0	0	0	0	0	1433
7	0	0	0	0	0	0	22	45	58	67	71	73	74	73	70	59	39	14	0	0	0	0	0	0	665
8	0	0	0	0	0	0	23	47	58	69	71	79	149	107	71	60	51	19	0	0	0	0	0	0	804
9	0	0	0	0	0	0	26	56	84	99	126	186	240	304	247	196	94	17	0	0	0	0	0	0	1676
10	0	0	0	0	0	0	38	117	212	259	318	354	357	263	225	158	58	8	0	0	0	0	0	0	2366
11	0	0	0	0	0	0	9	28	70	191	186	134	118	182	193	108	47	9	0	0	0	0	0	0	1274
12	0	0	0	0	0	0	11	39	60	146	141	234	185	94	133	158	53	13	0	0	0	0	0	0	1268
13	0	0	0	0	0	0	21	96	197	260	283	301	243	112	184	86	36 ?	17 ?	0	0	0	0	0	0	1837
14	0	0	0	0	0	0	20	88	60	69	214	283	284	166	156	95	43	12	0	0	0	0	0	0	1490
15	0	0	0	0	0	0	19	44	59	68	74	77	77	66	57	47	29	7	0	0	0	0	0	0	623
16	0	0	0	0	0	0	17	38	50	56	57	61	66	69	64	53	33	7	0	0	0	0	0	0	571
17	0	0	0	0	0	0	27	66	88	96	136	148	118	121	108	101	63	11	0	0	0	0	0	0	1084
18	0	0	0	0	0	0	19	49	66	75	77	76	76	69	66	49	33	8	0	0	0	0	0	0	663
19	0	0	0	0	0	0	8	26	46	189	203	205	270	306	226	124	74	11	0	0	0	0	0	0	1689
20	0	0	0	0	0	0	15	40	55	63	66	69	70	74	66	56	34	8	0	0	0	0	0	0	616
21	0	0	0	0	0	0	16	38	50	57	62	65	66	63	59	47	27	4	0	0	0	0	0	0	554
22	0	0	0	0	0	0	16	45	61	72	76	117	103	218	134	83	32	6	0	0	0	0	0	0	964
23	0	0	0	0	0	0	14	49	66	76	93	102	80	75	81	70	41	8	0	0	0	0	0	0	755
24	0	0	0	0	0	0	12	89	170	230	298	267	220	77	70	81	30	6	0	0	0	0	0	0	1550
25	0	0	0	0	0	0	13	37	52	62	69	64	62	57	53	44	22	2	0	0	0	0	0	0	537
26	0	0	0	0	0	0	15	45	65	75	99	102	86	126	156	75	30	5	0	0	0	0	0	0	878
27	0	0	0	0	0	0	18	61	80	81	85	88	88	83	75	61	33	6	0	0	0	0	0	0	759
28	0	0	0	0	0	0	6	25	64	71	99	138	108	69	37	14 ?	5	1	0	0	0	0	0	0	638
29	0	0	0	0	0	0	6	31	39 ?	68	143	113	117	139	113	64	28	3	0	0	0	0	0	0	864
30	0	0	0	0	0	0	14	34	48	53	58	59	58	56	51	40	20	2	0	0	0	0	0	0	493
31	0	0	0	0	0	0	19	79	89	152	240	308	329	239	166	81	49	10	0	0	0	0	0	0	1762
Avg	0	0	0	0	0	0	18	54	78	118	151	153	149	134	116	83	44	10	0	0	0	0	0	0	1108
S D	0	0	0	0	0	0	7	24	41	69	93	90	87	75	59	39	21	5	0	0	0	0	0	0	509
S/A	0	0	0	0	0	0	0.38	0.45	0.53	0.58	0.61	0.59	0.59	0.56	0.51	0.48	0.47	0.51	0	0	0	0	0	0	0.46
Min	0	0	0	0	0	0	6	25	39	53	57	59	58	56	37	14	5	1	0	0	0	0	0	0	493
Max	0	0	0	0	0	0	38	117	212	260	362	354	357	306	247	196	94	19	0	0	0	0	0	0	2366
n	0	0	0	0	0	0	281	372	369	372	372	372	371	372	370	365	365	151	0	0	0	0	0	0	4132

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.0% exceed the 15% QC threshold -- 4172 total daylight measurements.

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

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

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

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

October 2011

Dry Bulb Temperature (Roof)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	15.1	14.5	14	13.8	13.5	13	12.9	13.9	15.6	16.7	16.7	16.9	17.7	17.9	18.5	17.8	18.1	16.4	14.7	13.8	12.7	12	11.5	10.5	14.9
2	9.9	9.1	8.7	8.1	7.8	7.5	7.7	9.6	11.5	12.6	13.8	14.3	15.2	15.5	15.6	16	15.2	14	13.5	13.2	13	12.9	11.8	11.2	12
3	10	9.6	9.3	9.6	9.6	9.5	9.5	11.6	11.6	12.8	14.9	15.7	16.5	16.6	16.8	16.7	16.5	14.8	13.2	12	11.1	10.7	12	12.3	12.6
4	12.3	11.5	10.7	10.5	10.2	9.8	9.9	10.9	13.5	15.4	16.8	18	19	19.8	19.9	20.2	20	18.7	16.8	15.5	15.2	14.7	13.7	13	14.8
5	13	12.3	12.6	12.6	12.1	12.6	12.6	14.2	16.5	18.3	19.8	21.3	22.3	23.1	23.7	23.9	23.4	22.1	19.7	18	16.9	15.8	14.9	14.2	17.3
6	14.4	15.2	14.9	14.8	14.7	14.8	14.8	16.3	18.8	21.1	21.5	21.7	21.6	21.4	20.6	20.2	19.5	18	16.4	15.5	14.8	13.9	13.2	12.1	17.1
7	11.9	11.4	11.4	11.3	11.2	11.4	12.1	14.6	16.7	19	20.2	21	21.4	21.1	20.9	20.4	19.6	18	16.7	15.8	15.4	14.9	14	13	16
8	12.3	12.3	12.2	12.6	12.3	12.5	13.1	15.5	18.5	20.6	21.5	22	22.2	21.9	21.8	21.1	20.1	18.8	17.6	16.7	16.1	15.6	15.2	15	17
9	14.9	14.7	14.6	14.5	14.5	14.4	14.9	16.4	18.8	20.9	22	23.1	23.6	23.2	23.1	22.1	20.9	19.5	18.4	17.7	17.2	16.8	16.6	16	18.3
10	15.3	14.9	15	13.9	13.4	14.2	15.1	16.4	18.7	20.6	22.3	23.3	24	24	23.5	22.9	22	20.9	20.2	19.7	19.4	19.2	19.1	19.4	19.1
11	19	18.8	18.9	19.2	19.6	19.7	20	20.2	20.3	21	21.9	21.9	20.8	20.9	21.6	21.5	21.2	21	20.7	20.5	20.2	19.9	20.4	20.5	20.4
12	20.7	20.6	20.3	20.2	19.8	19.9	19.6	19.5	19.9	20.3	20.8	21.8	22.1	21.3	21.1	21.5	21.1	20.8	20.4	20.1	20	19.8	19.6	19.6	20.5
13	19.7	19.8	20	19.8	19.3	19.5	20.1	20.7	21.9	22.2	22.9	24.5	24.7	23.6	22.8	24.2	21.2	19.7	19.5	21.2	21.7	21.6	21.3	20.7	21.4
14	20.1	19.6	19.3	18.9	18.9	19.1	19.1	19.6	20.1	20.6	20.5	20.1	21.1	22.3	22.9	22.7	22	20.7	19.2	17.5	16.9	16.5	15.9	15.8	19.6
15	15.3	15.2	15	14.5	14.3	13.8	13.7	15.4	18.2	19.7	21	22.1	22.5	23.1	23.4	23.5	22.6	20.5	18.6	17.2	16.6	16.3	17	17.2	18.2
16	16.2	14.7	14.2	13.2	12.4	11.5	11.3	12.8	15.5	17.3	19.5	20.6	21.7	22	22.5	22.7	21.9	20.2	18.9	18.4	17.9	18.1	17.8	17.3	17.4
17	17.2	17.3	16.9	16.6	16.1	15.9	16.5	18.2	19.9	21.7	23.6	25.4	26.9	27.7	28.4	28.5	27.5	26	23.8	22.8	21.6	20.6	20.2	19.6	21.6
18	19	18.7	18.5	18.1	17.6	17.4	17.4	18.5	20.4	22.4	24.2	25.8	26.4	27.2	27.4	27.9	26.7	24.4	23.3	22.6	22.4	21.9	21.6	21	22.1
19	20.7	20.4	20.4	20.9	21.4	21.3	21.5	21.7	21.9	22.2	22.4	22	21.5	22.8	24.4	24.6	24.5	23.7	23.7	23.3	22.8	22.4	22.8	21.7	22.3
20	17.5	14.7	13.3	12.8	11.8	11.2	10.8	11.1	12.2	13	14.4	15.3	16.4	17	17.6	17.6	16.7	15.4	14.4	13.6	12.7	12.2	12.1	12	14
21	11.7	11.3	10.4	9.9	9.4	9.1	9	10.6	12.8	14.5	15.8	16.9	17.6	18.6	19.2	19.3	18.8	17.1	15.6	14.4	13.6	12.8	12.1	12	13.9
22	12.3	12.4	12.3	11.4	11.3	11.8	11.6	12.6	14.9	16.6	17.6	18.3	19	19	19	17.5	16.4	15	14.1	13.7	13.4	12.6	12.5	12.2	14.5
23	11.8	11.3	11	11.1	11.2	11	10.8	12.2	14.7	16.5	17.5	18.1	18.3	18.5	18.6	17.9	16.9	15.8	15	14.3	13.7	13.6	13.1	12.8	14.4
24	12.3	12.6	12.3	12.2	12.4	12	12.5	13.6	14.9	16.4	17.8	19.1	19.3	20.2	20.5	20	18.3	16.6	15.5	14.7	13.3	12.3	11.7	11.5	15.1
25	11.3	11.7	11.8	12.3	12.8	12.6	12	13.4	15.2	16.6	17.6	18.7	19.3	19.9	20.5	20.4	20	17.7	15.8	14.1	13.2	12.8	12.5	11.9	15.2
26	12	12.2	12.3	12.4	12.5	11.8	11.6	12.8	15.4	17.5	19.3	20.3	21.4	22	21.9	22.6	21.8	19.9	18.9	18.4	18.2	17.9	17.6	16.9	17
27	16.4	16.3	15.6	15.2	15.3	15.4	15.7	16.6	18	19.8	21.7	23.1	24.1	24.6	25	24.9	24.2	22.7	21.6	20.5	20.2	19.9	19.4	16.5	19.7
28	14.9	13.8	13	12.3	11.5	10.7	10.2	9.9	9.8	9.9	10	10.5	11	11.2	10.8	9.2	8.9	9.5	10.8	11.4	12	12.3	12.7	13.3	11.2
29	14	14.5	15	15.3	15.6	15.9	16.3	16.9	16.9	13.5	11.1	10.9	9.1	8.6	7.1	6.4	6.4	6.3	6.1	5.8	5.4	4.8	4.5	4.1	10.4
30	3.5	2.7	2	1.6	1	0.6	0.7	2	5.2	7.3	9.2	10.7	11.8	12.4	12.5	12.5	11.7	10.1	9.1	7.6	6.4	6.2	5.4	5.4	6.6
31	5.1	5.1	4.7	4	4.8	5.2	5.5	6.8	9.5	12.3	14.5	15.2	15.5	15.4	15.3	15.3	15.1	14.7	14.5	14.4	13.1	12	11	10.5	10.8
Avg	14.2	13.8	13.6	13.3	13.2	13.1	13.2	14.3	16.1	17.4	18.5	19.3	19.8	20.1	20.2	20.1	19.3	18	17	16.3	15.7	15.3	14.9	14.5	16.3
S D	4.1	4.1	4.2	4.3	4.4	4.5	4.5	4.3	3.9	3.9	4	4.1	4.3	4.3	4.5	4.8	4.6	4.3	4.1	4.1	4.2	4.3	4.4	4.3	3.8
S/A	0.29	0.3	0.31	0.32	0.33	0.34	0.34	0.3	0.25	0.22	0.22	0.21	0.21	0.21	0.23	0.24	0.24	0.24	0.24	0.25	0.27	0.28	0.3	0.3	0.24
Min	3.5	2.7	2	1.6	1	0.6	0.7	2	5.2	7.3	9.2	10.5	9.1	8.6	7.1	6.4	6.4	6.3	6.1	5.8	5.4	4.8	4.5	4.1	6.6
Max	20.7	20.6	20.4	20.9	21.4	21.3	21.5	21.7	21.9	22.4	24.2	25.8	26.9	27.7	28.4	28.5	27.5	26	23.8	23.3	22.8	22.4	22.8	21.7	22.3
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

October 2011

Relative Humidity (Roof)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Percent

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	?	?	?	?	?	?	?	103.7 ?	98.4	94.6	91.8	84.2	78.8	78.3	75.3	74.4	69	73.2	82	86.3	93.1	96.1	94.6	97.9	86.6 ?
2	98.4	99.6	100.8	103.4	104.6	?	?	101.7	96.3	85.9	74.7	72.1	65.4	63.3	65.7	60.6	64.4	72.6	77.5	81.9	84.4	84.7	92.4	87.2	83.5
3	97.1	99.3	101.1	98.5	94.1	93.1	95.1	90.3	96	92.6	75.3	69.2	64.9	64.3	65.5	65.6	68.2	76	84.8	93.2	99.9	102.7	98.4	100.2	86.9
4	100.4	101.9	102.5	104.2 ?	104.4 ?	?	104.7 ?	101.7	92.6	83.4	76.3	70.3	67.9	66.6	67.5	67.3	69.5	75.7	87.2	94.6	95.6	97.4	101	104	88.5 ?
5	103.8	?	103.8 ?	104.2 ?	?	104.6	104.8 ?	102.1	96.1	87.5	79	71.6	66.6	62.4	59	58.4	60.2	68.7	80.3	88.8	94.8	100.2	103 ?	104 ?	86.5 ?
6	103.1	99.7	101.5	102.1	103	104.2	104.4	101.4	96.9	86.9	79.3	73.4	70	73.5	73.9	73.1	72.5	77.9	84.6	88.9	93.9	98.4	100	103.1	90.2
7	103.5	104.5	104.5	104.7	104.7 ?	104.7	101.9	95.3	89.2	79.3	74.7	69.4	66.2	64.8	68.8	67.4	70.3	80.9	87.6	92.3	95.2	99.1	102.7	?	88.3
8	?	?	?	104.6 ?	104.6 ?	?	?	102.8 ?	97	82	72	70.4	76.9	78.1	76.2	77	81.3	91.8	97.3	101.2	103.5	104.9 ?	?	?	89.5 ?
9	?	?	?	?	?	?	?	104.2 ?	100.6	87.5	78.8	67	62.7	61.6	60.9	72.7	80.4	90.6	99.3	103.9	105 ?	?	?	?	83.9 ?
10	?	?	?	?	?	?	104.8 ?	103.9	100	94.1	85	74.9	72.5	72.4	79.5	82.1	89.4	97	100.6	102.2	104	104.9 ?	?	105 ?	92.5 ?
11	?	?	?	104 ?	101.9	102.6	101.3	100.8	99.5	98.7	95.7	96.9	102.5	104.3	102.8	101.3	103.8	?	?	?	?	?	?	?	101.1 ?
12	?	104.8	104.3 ?	104.1	104.8 ?	104.7 ?	?	?	?	104.9 ?	103.8	99	97.6	101.2	102.6	101.5	102.6	104.1	104.9 ?	?	?	?	?	?	103 ?
13	?	?	?	?	?	?	105	104.3	101.2	98.4	96.2	91.6	91.8	97.5	98	97.2	100.1	101.6	102.6	101.7	101.1	100.4	98.9	99.8	99.3 ?
14	101.3	102.6	103.6	104.1	104.4	103.8	103.7	99.2	89.6	84	89.4	90.3	88.4	76.7	72.2	62.6	59.5	63.8	70.7	80.4	83.2	85.7	90.6	88.1	87.4
15	88.2	87.8	88.2	89.6	87.4	90.4	92.7	87.7	81.4	75.2	65.1	57.9	56.2	49.5	42	38.5	40.3	49.8	58.4	63.8	69.1	68.3	61.4	58.7	68.7
16	63.4	69.9	71.5	75.8	79.5	83.8	86.1	82.7	73.9	67.6	54.7	50.6	47.9	47.7	48.1	51.2	55.6	63.6	75.9	80	86.3	84.5	81.8	84.4	69.4
17	83.1	81.4	83.6	87.8	92.9	92.8	88.1	81.1	74.9	70.6	66.2	61.1	58.3	54.7	52.3	49.9	55	57.5	68.5	73.6	81.2	94.4	97	98.6	75.2
18	99.3	100.2	100.4	101.3	103.8	?	?	102.3	96.6	88.8	82.3	75.5	72.4	66.6	63.2	58.3	64.4	89.7	96.4	99.5	100.6	102.2	104.3 ?	?	89 ?
19	?	?	?	105 ?	104.8	?	?	104.9 ?	104.9	104.8	103.5	103.1	103	100.6	95.6	96.3	99.3	102.1	100.6	100.6	100.9	99.2	95	93.4	100.9 ?
20	92.3	92.2	94.7	93.8	91.9	94.2	94.4	92.6	90	85.6	78.5	72.9	68.7	65.4	62.9	64.7	69.1	74.5	79.2	84.4	88.3	91	92.9	94.9	83.7
21	95.9	95	98.3	100	101.6	103.1	103.9	96.6	86.9	77.6	71.2	68.1	66.5	64.9	62.7	62.8	65.7	74.6	83.8	93.4	99.9	103	?	?	85.3
22	?	?	104.9 ?	?	?	104.2	103.9	100.4	93.5	85.2	79.6	76.3	73.5	73.2	74.3	80.9	85	91	94.6	96.1	97.8	101.3	100.7	101.5	90.9 ?
23	103.1	104.7 ?	?	103.7 ?	102.7	101.8	102	97.9	90	82.2	76.1	70.3	64.8	64.6	70.2	76.9	85.3	92.8	96.6	99.7	102.5	103.4	?	?	90.1 ?
24	?	?	?	?	?	?	103.9 ?	101.4	97.9	94.7	86.7	78.3	76.7	69.4	69.2	74.5	81.6	87	92.9	97.5	102.7	?	?	?	87.6 ?
25	?	?	?	104 ?	101.7	97.5	97.6	91	82.7	73.2	65.6	53.4	48.8	46	45.7	45.6	49.6	61.2	73.4	80.9	86.3	88.4	90.1	93.2	75 ?
26	98.3	100.5	99.5	96.9	96	100.7	100	99.5	95.7	86.4	76.7	71.7	69.2	68.8	69.6	68	71.5	80.6	84.4	87.3	86.8	89.9	90.9	94.5	86.8
27	96.4	96.1	98.9	100.6	100	98.8	96	92.1	87.7	79.8	72.4	67.3	64.6	61.7	60.8	61.9	64.7	70	74.5	79.9	81.1	82.3	85.6	90.3	81.8
28	85.6	83.5	87.8	91.1	92.9	90.9	88	93	93.8	94.1	95.8	96.9	97.2	96.6	99.6	?	?	?	?	?	103.1 ?	103.9	104.2	101.9	94.7 ?
29	100	100.6	100	100.6	102.5	104.6 ?	?	?	?	?	?	?	?	103.6	101.8	100	97.5	96.4	94.7	93.1	95.8	98.7	98.3	98.3	99.2 ?
30	99.5	102.3	104.5 ?	?	?	?	?	104.3 ?	97.5	87.4	75.6	61.2	56.8	54.5	52.9	52.2	54.9	65.2	72.4	80	87.1	88.2	92.7	93.1	79.1 ?
31	93.7	93.3	95.6	99.3	96.3	94.6	92.3	91.2	87.4	86	76.4	74.3	75.7	80.3	85.4	88.5	90.8	95.7	98.3	98.9	103	?	?	?	90.3 ?
Avg	95.3	96	97.6	99.3	99.1	98.8	98.8	97.6	92.7	86.6	79.9	74.6	72.4	72	71.7	71	74.1	80.2	86.3	90.1	94	95.1	94.4	94.9	87.6 ?
S D	9.5	9.1	8.4	7.1	6.7	6.2	6.3	6.6	7.5	9.1	11.4	13.1	14.6	16.6	17.1	16.9	16.8	14.6	11.9	10	9	8.9	9.5	10.2	8.5
S/A	0.1	0.1	0.09	0.07	0.07	0.06	0.06	0.07	0.08	0.11	0.14	0.18	0.2	0.23	0.24	0.24	0.23	0.18	0.14	0.11	0.1	0.09	0.1	0.11	0.1
Min	63.4	69.9	71.5	75.8	79.5	83.8	86.1	81.1	73.9	67.6	54.7	50.6	47.9	46	42	38.5	40.3	49.8	58.4	63.8	69.1	68.3	61.4	58.7	68.7
Max	103.8	104.8	104.9	105	104.8	104.7	105	104.9	104.9	104.9	103.8	103.1	103	104.3	102.8	101.5	103.8	104.1	104.9	103.9	105	104.9	104.3	105	103
n	240	234	227	243	246	230	234	320	348	352	360	360	360	372	372	360	358	348	341	335	335	300	251	239	7373

Data Recovery: 0.0% missing; 0.0% untested; 17.4% 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

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

October 2011

Dry Bulb Temperature (CR10)
Hourly and Daily Averages
Instrument: CSI
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	15.6	15.2	14.4	13.7	13.3	12.8	12.6	14.3	17.6	20.5	22	21.9	23.2	23.3	23.5	23.3	22.5	21.3	17.3	14.5	12.8	11.4	10.6	10.1	17
2	9.4	8.8	8.2	7.7	7.2	6.9	6.8	9.4	13.5	16	18	18.5	19.1	19.6	18.9	19.3	19.3	17.3	15	13.9	13.3	13	12.2	10.7	13.4
3	9.6	8.7	8.1	7.6	7.5	7.5	7.1	10.6	13	13.3	15.2	18.5	20.3	20.5	20.6	20.7	20.6	19.3	15.6	12.4	10.4	9.1	9.4	10.7	13.2
4	11.5	11.2	10.2	8.9	8.7	8.6	8.8	11	15.1	18.8	21.3	23	24	24.5	24.5	24.4	23.1	19.4	16.3	14.8	14	13.1	12.3	12.3	16.3
5	11.7	11.3	11.1	11.2	11	10.9	11.2	13.8	18	21.6	24.4	26.9	28.4	28.5	28.9	29.2	28.8	26.8	22.3	18.4	16.1	14.5	13.6	12.9	18.8
6	12.5	12.5	13.1	13.5	13.5	13.3	13.4	15.8	19.7	23.7	26.8	28.2	28.2	27.7	26.7	25.8	24.9	22.8	18.7	15.7	13.8	12.6	11.9	11.1	18.6
7	10.3	9.7	9.5	9.4	9.3	9.4	9.7	12.6	17.3	21.4	25	27.3	28.3	27.7	26.9	26.4	25.4	22.9	18.7	15.9	14.4	13.5	12.8	12.3	17.3
8	11.5	11.1	10.9	10.9	11	11	11.4	14	18.6	23	26	27.8	28.4	28.2	27.7	27.2	25.7	22.7	19.2	16.9	15.5	14.8	14.3	14	18.4
9	13.8	13.8	13.6	13.5	13.5	13.5	13.7	15.5	19.2	23.2	26.2	28	29.1	28.8	28.2	27	25.1	22.3	19.7	18	17.1	16.5	16	15.6	19.6
10	15	14.4	14.3	14	13.2	13	13.6	14.6	17.5	20.6	23.6	25.3	26.7	27.3	26.9	26.1	24.7	22.9	21.3	20.3	19.6	19.1	18.8	18.9	19.7
11	18.9	18.6	18.7	18.9	19.2	19.4	19.5	19.8	20.2	20.8	22.2	23.2	22.7	21.5	21.9	22.9	22.7	22.1	21.4	20.9	20.7	20.3	20.1	20.3	20.7
12	20.5	20.6	20.5	20.2	20.1	19.9	19.8	19.7	19.9	20.3	21	22.1	23.4	23.5	22.4	22.5	22.7	22	21.2	20.6	20.2	19.9	19.7	19.4	20.9
13	19.5	19.6	19.8	19.8	19.4	19.3	19.6	20.3	22.4	24.6	25.4	27	28.6	27.6	25.2	26.5	25.5	21.9	20.2	19.9	20.6	20.9	20.9	20.6	22.3
14	19.9	19.4	19.1	18.8	18.6	18.7	18.8	19.3	21.3	23.8	25.2	25.2	24.9	25.2	25.5	25.5	25.1	23.5	20.6	18.2	16.5	15.6	14.8	14.4	20.8
15	14.2	13.9	13.8	13.6	13.1	12.5	12.2	14.4	19	22.9	25.4	26.8	27.2	27	26.8	26.8	26.4	24.3	20.2	17.2	15.7	14.7	14.5	15	19.1
16	15.1	14.2	12.9	12.1	11.3	10.3	9.8	12.1	16.6	20.6	24.1	27.6	28.2	27.8	27.3	27.2	26.6	24.3	20.5	18.3	17.3	17	17	16.9	19
17	16.5	16.4	16.3	15.9	15.6	15.1	15.1	16.9	20.3	23.3	26.6	29.1	30.5	31.5	32	32.2	30.7	28.8	25.7	23.2	21.8	20.7	20	19.5	22.7
18	18.9	18.3	18	17.7	17.2	16.8	16.6	18.1	21.3	24.9	28.3	31	32.2	32.2	32.2	31.8	28.3	25.4	23.9	23.1	22.5	22	21.5	23.9	
19	21	20.8	20.8	20.8	21.1	21.3	21.4	21.6	22	22.3	23.1	23.4	23.1	23.6	25.6	26.4	26.6	25.8	24.4	23.8	23.2	22.5	22.5	22.4	22.9
20	20.8	17.5	15	13.7	12.6	11.5	10.7	11.6	13.8	16	17.8	19.2	20	20.5	20.7	21	20.5	18.4	15.7	14	12.7	11.6	11	10.8	15.7
21	10.7	10.5	10.1	9.5	8.9	8.3	8	9.9	13.9	17.8	20.5	22.5	23.5	23.7	24	24.5	23.6	21	16.8	14	12.3	11.3	10.7	10.4	15.3
22	10.5	10.7	10.7	10.6	10.1	10.2	10.5	11.6	15.3	19.2	22.2	24.6	25.7	26	25.2	23.5	21.7	18.1	15.1	13.4	12.5	11.8	11.2	10.9	15.9
23	10.7	10.4	10.1	9.8	9.6	9.8	9.7	10.6	14.7	19.1	22.1	24.1	24.7	24.5	24.5	23.8	21.9	19.2	16	14.2	13.1	12.5	12.1	11.8	15.8
24	11.5	11.3	11.3	11.2	11.1	11.1	11.2	12	14.5	17	19.4	21.8	23.7	24.9	25.6	25.6	24.2	20.7	17	14.6	12.9	11.6	10.9	10.6	16.1
25	10.4	10.2	10.3	10.6	10.9	11.1	11	12.2	15.9	19.4	21.9	23.5	24.4	24.9	25.1	25.2	24.6	21.7	17.1	14	12.1	11	10.5	10.1	16.2
26	9.9	10.1	10.3	10.5	10.7	10.6	10.3	11.6	15.3	19	22	24	25.1	25.5	25.3	25.3	25.3	22.8	19.9	18.3	17.6	17.5	17.5	17	17.6
27	16.2	15.7	15.3	14.7	14.4	14.3	14.5	15.6	18.3	21.2	23.8	25.9	27.1	27.7	27.9	28.1	27.5	25.4	22.8	21.2	20.1	19.6	19.5	19.1	20.7
28	17.2	15.8	14.7	13.8	13	12.1	11.4	10.9	10.8	10.9	11.1	11.4	12	12.3	12.3	11.4	10	9.6	9.9	10.7	11.3	11.7	12.1	12.6	12
29	13.2	13.9	14.5	15	15.4	15.8	16.1	16.7	17.1	16.6	14.4	13.3	12.2	11.1	10.3	9	8	7.4	7	6.6	6.3	5.3	4.2	3.3	11.4
30	2.6	2	1.4	0.9	0.4	0	-0.3	1.2	5.3	9.7	13.4	15.7	17	17.7	17.6	17.4	16.5	13.4	9.7	7.3	5.2	4.1	3.5	3	7.7
31	2.9	3	2.9	2.3	2.2	2.7	3.4	4.6	7.8	12.4	15.4	17.4	18.7	18.6	17.7	17	16.3	15.6	14.7	14.5	14.1	13.1	12.1	11.4	10.9
Avg	13.6	13.2	12.9	12.6	12.4	12.2	12.2	13.6	16.6	19.5	21.7	23.4	24.2	24.3	24.1	24	23.2	21.2	18.3	16.5	15.4	14.6	14.2	13.9	17.4
S D	4.7	4.6	4.6	4.7	4.8	4.8	4.8	4.4	4	4	4.3	4.7	4.8	4.8	4.9	5.1	5.1	4.8	4.3	4.2	4.4	4.6	4.8	4.8	3.8
S/A	0.35	0.35	0.36	0.37	0.38	0.39	0.4	0.33	0.24	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.22	0.22	0.24	0.26	0.29	0.32	0.34	0.35	0.22
Min	2.6	2	1.4	0.9	0.4	0	-0.3	1.2	5.3	9.7	11.1	11.4	12	11.1	10.3	9	8	7.4	7	6.6	5.2	4.1	3.5	3	7.7
Max	21	20.8	20.8	20.8	21.1	21.3	21.4	21.6	22.4	24.9	28.3	31	32.2	32.2	32.2	32.2	31.8	28.8	25.7	23.9	23.2	22.5	22.5	22.4	23.9
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: CSI Serial Number: Internal Temp Calibration Factor: N/A Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

October 2011

Wind Speed
Hourly and Daily Averages
Instrument: NRG MAX-40
Meters per Second

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	1.8	2.3	2.2	2	1	1.3	1.3	1.7	2.6	2.3	3.1	3.1	2.6	2.7	2.6	2.7	2.8	2.7	2	2	1	1.6	2.2	2.2	2.2	
2	2.7	2.7	2.8	2.5	2.7	1.9	1.8	2	2.9	3.2	3.2	3.2	3.9	3.9	3.6	4.1	2.7	1.6	1.1	0.8	1.2	1.2	1.1	1.3	2.4	
3	1.1	0.6	0.5	0.7	1	0.5	1	1.3	0.9	1.5	3.8	4.5	4.6	3.9	3.4	3.3	3	2.1	0.8	0.5	0	0.1	0.2	0.2	1.6	
4	0.3	0.6	0.1	0.8	1.5	1.5	1.8	1.7	2.1	3.1	3.4	3.3	3.1	3.5	4.3	3.2	2.2	1.4	0.9	1.2	1.3	1.1	0.9	0.9	1.8	
5	0.9	1.2	1.5	1	1.3	1.3	1.1	1.3	2	2.7	2.2	2.1	2.3	2.2	2.1	2	1.8	0.5	0.1	0	0	0.2	0.1	0.2	1.3	
6	0.7	1.2	1.8	2	1.4	0.9	1.2	2	2.4	3.6	3.8	3.6	3.8	3.4	3.4	3.2	2.9	2	1.5	1	0.6	0.9	0.7	0.6	2	
7	0.6	0.6	0.7	0.6	1.2	0.9	1	1.3	2.1	2.3	2.1	2	2.5	2.9	3.1	2.8	2.5	1.9	1.1	0.9	0.9	0.6	0.5	0.6	1.5	
8	0.6	0.9	1	1.3	0.8	1.2	1.3	1.5	1.9	2.8	2.7	3.3	3.4	3.2	3.1	3.4	2.6	1.5	0.8	0.6	0.8	1.2	1.1	1.3	1.8	
9	1.7	1.5	1.4	1.5	1.7	1.7	0.9	1	1.9	3.1	3.1	3	2.6	3	2.5	2.4	1.8	1.7	1.4	1.5	1.6	1.1	1.1	0.1	1.8	
10	0	0.1	0.1	0	0.3	0.9	1.7	1.4	1.2	2.2	2.3	2.4	2	2	2	1.9	2	1.8	1.9	2	1.6	1.4	2	1.9	1.5	
11	1.2	1.7	1.8	2.3	2.5	1.6	1.7	2	1.7	2	2.8	2.8	2.5	2.4	1.7	3.1	2.7	1.8	0.7	0.5	0.2	0.1	1	1.6	1.8	
12	1.7	1.2	1.4	2.4	2.5	2.4	2.2	2.7	2.9	3	3.5	3.5	2.9	2.6	2.1	2.5	2.1	1.6	1.1	0.4	0	0.2	0	0.2	1.9	
13	0.1	0.5	0.4	0.1	0.6	1.3	1.6	1.2	2.1	2.5	2.7	2.5	2	1	1.1	0.9	1.9	1.6	0.6	2	2.8	2.2	2	1.4	1.5	
14	1.1	1.1	1	0.5	1.6	1.6	1.5	2.4	3.6	4.4	5	4.7	4.6	5.4	4.6	5.7	4.6	2.9	1.9	1.5	1.7	1.1	1.3	1.9	2.7	
15	1.8	1.9	2.1	1.7	1.4	1.3	1.5	1.5	1.9	2.5	3.2	4	4.5	4.5	4.7	3.9	3.1	1.8	1.3	1.2	1.4	1.7	2.2	2.3	2.4	
16	2.3	1.4	1.5	1.7	1.2	1.3	1.5	1.6	1.9	2.2	1.1	1.9	2.4	2.8	2.4	2.7	2.7	1.7	1.7	2.4	2.7	4	4.8	4	2.2	
17	4.2	3.8	3.6	2.5	2.1	2.4	3	3.7	4	3.2	3.6	3.6	3.4	3.5	3.1	2.5	1.4	2.1	1.2	1.8	2	2.7	2.8	2.6	2.9	
18	2.4	2.7	2.7	2.2	2.1	2.5	2.7	2.9	2.7	2.6	2.3	2.5	3.2	3.2	3.1	2.4	2.5	3.4	2.8	3.1	2.1	1.4	1.3	1.7	2.5	
19	2.3	2.3	2.7	1.9	2.1	1.6	2.3	2.2	2.7	2.6	3.8	4.5	4.9	4.9	4.6	4	4.3	3.7	5.1	4.6	4.6	4.7	5.8	5.5	3.6	
20	5.5	4.7	4	4	4.8	3.9	4	4.6	4.3	5.2	5.3	5.7	5.4	5.6	5.2	4.6	4.3	3.2	2.8	1.8	1.7	1.6	2	2.4	4	
21	2.2	2.7	2	2.1	1.6	1.5	1.4	2.2	2.2	2.7	2.7	2.5	2.9	2.2	1.8	2	1.8	0.8	0.1	0.3	0.1	0.2	0.4	0.8	1.6	
22	0.9	0.9	1.4	1	1.7	2	2.1	1.9	1.9	3.1	2.5	2.4	2	1.7	2.1	3.1	2.7	1.6	1.3	1.2	0.7	0.5	1	0.8	1.7	
23	0.7	0.6	0.5	0.9	0.7	0.9	1.2	1.8	2.1	2.6	2.8	2.9	3	2.5	2.2	2.4	2.2	1.5	1	0.8	1	1.1	1	1	1.6	
24	1	1.1	1.2	1.3	1	1	1	1.1	1.6	1.5	2.6	2.6	2.6	2.7	2.5	2.1	2.4	1.5	0.6	0	0	0	0.9	0.7	1.4	
25	0.6	1.1	1.6	2.2	2.5	2	1.7	2.4	2.4	2.7	3.7	3.6	3	2.7	2	1.9	1.1	0.5	0	0.2	0.4	0.5	0.8	0.9	1.7	
26	1.3	1.1	1.5	1.6	1.6	1.1	1.7	2.1	3.3	4.2	4	4.8	4.8	4.3	4.2	3.6	2.9	2	2.1	2.5	2.9	3.1	3.3	2.8	2.8	
27	2.8	3	2.7	2.4	2.8	2.6	3.5	3.6	4.1	5.2	5.5	6.2	5.6	6	5.2	4.8	4	2.9	2.5	1.9	2.1	1.9	1.9	5.6	3.7	
28	5.8	5.4	4.2	4.3	4.2	4.2	4	3.9	4	3.8	4.1	3.8	3.6	3	3.6	3.5	3.2	4.2	2.2	2.3	2.6	2.6	3.1	2.3	2.1	3.6
29	3.1	3.3	3.3	3.6	3.6	3	3.3	2.9	2.1	3.9	2.9	4.2	5.1	4.8	5.1	5.4	5.5	4.4	5.3	4.8	3.8	2.8	2.2	1.8	3.8	
30	1.9	1.8	1.9	1.5	1.5	1.4	1.1	1.1	2	2.5	2.5	3.2	2.8	2.8	3	2.4	2.5	1.5	0.7	0.2	0.3	0.6	0.3	0.5	1.7	
31	0.5	0.6	0.2	0.5	0.8	1.5	1.4	1.4	2.3	2.2	3.5	3.6	3.7	3.5	3.2	1.9	1.9	1.9	1.6	0.9	1.8	3.2	5	4.8	2.2	
Avg	1.7	1.8	1.7	1.7	1.8	1.7	1.9	2.1	2.4	2.9	3.2	3.4	3.4	3.3	3.1	3	2.7	2	1.6	1.5	1.4	1.5	1.7	1.8	2.2	
S D	1.4	1.3	1.1	1	1	0.8	0.9	0.9	0.8	0.9	0.9	1	1.1	1.2	1.1	1.1	1	0.9	1.2	1.2	1.2	1.2	1.4	1.5	0.8	
S/A	0.82	0.72	0.64	0.61	0.57	0.49	0.47	0.44	0.35	0.31	0.29	0.3	0.31	0.35	0.36	0.36	0.36	0.43	0.78	0.81	0.82	0.82	0.85	0.84	0.36	
Min	0	0.1	0.1	0	0.3	0.5	0.9	1	0.9	1.5	1.1	1.9	2	1	1.1	0.9	1.1	0.5	0	0	0	0	0	0.1	1.3	
Max	5.8	5.4	4.2	4.3	4.8	4.2	4	4.6	4.3	5.2	5.5	6.2	5.6	6	5.2	5.7	5.5	4.4	5.3	4.8	4.6	4.7	5.8	5.6	4	
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 2011

Wind Direction
Hourly and Daily Averages
Instrument: NRG Vane
Degrees from North

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	337	346	336	338	335	330	338	344	3	3	0	354	345	358	342	336	348	333	324	326	305	302	324	316	340
2	320	312	320	324	323	320	313	324	329	348	341	326	322	328	329	317	346	341	332	302	310	310	294	323	325
3	301	246	248	251	262	273	316	291	287	252	289	293	314	321	320	327	342	348	340	322	331	258	100	311	308
4	287	271	306	324	322	314	330	344	5	14	358	8	11	9	24	14	356	345	309	311	326	337	339	342	355
5	334	340	358	343	0	8	359	6	23	22	35	23	9	7	21	359	8	355	336	330	299	90	305	349	9
6	16	28	35	50	46	54	32	45	67	111	114	108	106	105	100	103	93	92	101	98	84	50	52	41	86
7	39	37	37	35	43	40	61	79	79	91	112	105	105	112	118	113	108	111	115	106	103	93	63	49	95
8	46	36	35	36	11	29	38	66	87	110	117	120	113	109	116	116	117	108	91	99	65	74	86	85	96
9	74	81	71	74	75	74	66	77	91	106	105	110	110	118	105	110	112	109	94	86	85	76	85	79	96
10	0	40	68	23	46	70	82	84	86	107	116	121	118	111	102	102	102	104	103	101	105	100	101	99	102
11	80	87	86	92	96	99	104	99	96	92	112	118	125	127	97	116	125	120	122	131	289	51	87	127	107
12	135	135	149	153	149	127	131	129	128	130	143	145	143	145	129	142	151	133	139	146	133	118	119	142	139
13	127	164	176	177	171	224	270	237	228	232	224	200	131	180	330	121	278	207	148	186	206	228	244	242	217
14	242	221	205	204	207	204	262	251	267	266	283	290	281	301	311	314	312	296	282	269	254	271	276	282	281
15	283	287	286	289	275	275	277	279	255	270	282	302	309	308	306	297	302	304	281	277	279	282	299	312	293
16	322	302	316	311	315	289	302	308	319	327	10	275	257	285	284	258	245	245	237	234	241	245	248	247	272
17	248	250	255	282	275	258	275	284	290	290	279	272	268	272	276	280	268	252	247	245	240	244	246	245	266
18	245	245	248	250	246	247	246	242	247	256	256	250	233	238	245	242	204	210	204	198	186	165	136	138	230
19	128	135	142	175	201	217	218	226	213	207	197	183	170	187	205	205	214	223	234	231	231	233	240	254	209
20	289	292	290	275	280	273	275	276	278	281	270	267	264	263	272	282	289	293	289	278	255	259	252	260	276
21	281	290	284	289	285	284	280	311	333	334	327	315	310	299	291	322	321	351	341	59	61	31	20	49	309
22	82	80	73	42	40	47	42	46	71	93	90	100	120	98	111	119	112	99	101	95	75	49	53	68	85
23	50	37	37	45	40	37	35	47	61	86	96	87	87	82	107	117	121	122	105	68	85	83	69	75	83
24	69	80	79	59	76	40	48	40	60	71	97	87	70	54	59	87	96	87	97	78	346	316	322	306	70
25	292	315	321	19	41	28	18	31	34	35	45	30	34	10	21	8	345	334	315	270	270	264	265	264	17
26	266	263	257	249	253	256	253	259	282	282	266	269	270	277	272	268	254	254	251	248	251	248	248	248	263
27	248	252	254	257	255	257	256	261	277	280	282	287	282	279	275	268	255	257	280	259	270	277	298	60	272
28	58	50	49	65	82	72	65	58	54	57	52	60	63	61	57	59	49	54	85	98	109	111	101	101	66
29	111	112	117	120	124	123	140	165	289	325	323	322	334	345	347	352	357	358	4	11	4	8	359	355	10
30	346	340	343	345	331	343	350	357	16	22	39	56	66	66	66	74	69	65	63	34	24	15	18	19	32
31	15	13	16	19	33	51	48	74	91	120	132	133	141	144	134	125	130	119	107	31	26	15	25	24	87
Avg	319	319	325	342	334	339	322	325	342	352	347	327	331	329	342	344	349	321	272	245	252	270	289	317	331
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

October 2011

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.9	5	4.3	4.1	2.9	3	3.3	3.9	5.2	4.8	6.1	6.5	5.4	5.7	5.4	5.5	5.9	5.2	3.6	3.5	1.8	2.6	4	4	4.4
2	4.7	4.6	4.9	4.4	4.6	3.8	3.7	3.9	5.8	6.3	6.5	6	7	7.5	6.3	6.8	5.2	3.4	2.3	1.5	2.4	2.3	1.8	2.2	4.5
3	1.7	1.3	1.1	1.3	1.6	0.9	1.7	2.3	1.7	2.8	7	7.7	8.3	7.4	6.4	6.4	6.1	4.4	1.6	0.9	0.1	0.2	0.5	0.5	3.1
4	0.6	1.1	0.3	1.5	2.4	2.3	3.4	3.6	4.3	5.8	7	6.7	6.6	7	8.3	6.8	4.7	2.8	1.6	1.8	2.1	2.2	1.8	1.7	3.6
5	1.6	2.4	3	2.4	3	3	2.4	3	4.1	5	4.3	4.4	4.5	4.9	4.6	4.4	3.7	1.4	0.4	0.2	0.1	0.4	0.3	0.7	2.7
6	1.4	2.3	2.9	3.1	2.3	1.8	2.2	3.4	4.4	6.2	6.7	6.3	6.9	6.3	5.9	5.3	5.2	3.5	2.7	2	1.3	1.3	1.3	0.9	3.6
7	0.9	1	1.2	1.1	1.8	1.6	2	2.5	4	4	3.8	3.6	4.3	5	5.2	4.8	4.5	3.4	2.1	1.7	1.4	1.1	1	1.1	2.6
8	1	1.4	1.7	2.1	1.6	2.2	2.5	3	3.8	5.1	4.8	5.7	5.9	5.9	5.3	5.8	4.9	3	1.9	1.4	1.5	2.1	2.2	2.3	3.2
9	2.9	2.4	2.6	2.6	2.8	3.1	1.8	2.3	3.5	5.3	5.1	5	4.5	4.9	4.2	4.3	3.7	3.4	2.7	2.8	3	2.2	2.2	0.3	3.2
10	0	0.3	0.4	0.5	1	1.9	3	2.8	2.6	3.8	4	4.2	3.5	3.7	3.8	3.4	3.8	3.5	3.3	3.2	2.7	2.5	3.3	3.3	2.7
11	2.1	2.7	2.8	3.5	3.9	2.8	3.1	3.5	2.9	3.7	5	5.1	4.5	4.1	3.5	5.3	4.8	3.5	1.8	1.5	0.5	0.6	2.1	3.2	3.2
12	3.1	2.5	2.8	4.3	4.3	4.2	4.1	4.7	5.1	5.5	6.2	6.1	5	4.5	3.8	4.1	3.5	3.2	2.3	1.3	0.2	0.7	0.1	0.8	3.4
13	0.5	1.2	1.1	0.4	1.3	2.5	3	2.4	3.7	4.3	4.8	4.3	3.5	2.5	2.7	1.7	4.2	3.3	1.5	3.5	4.8	3.9	3.8	2.6	2.8
14	2.4	2.2	2.1	1.7	2.9	2.7	3	4.3	6.5	7.5	9	7.8	8.4	9.4	8.7	10.1	8.6	4.9	3.3	2.6	2.7	2.2	2.3	3	4.9
15	2.8	2.9	3.6	2.9	2.3	2.4	2.4	2.7	3.5	4.3	6	7.1	8	8.4	8	7	5.7	3	2	2	2.2	2.7	3.7	4	4.1
16	4	2.3	2.6	2.8	1.8	1.9	2.2	2.7	3.4	4.1	2.4	3.5	4.4	5	4.3	4.4	4.3	2.7	2.9	4.1	4.4	6.4	7.8	6.4	3.8
17	6.9	6.2	5.8	4.4	3.6	3.9	5.2	6.5	7	6.1	6.3	6.1	6	6.4	5.8	4.7	2.5	3.2	2.1	2.9	3.5	4.1	4.3	4.2	4.9
18	3.7	4	4.3	3.2	3.2	3.8	4	4.6	4.6	4.2	4	4.7	5.5	5.5	5.1	4.1	4	5.3	4.4	5.1	3.4	2.5	2.4	3.4	4.1
19	4.3	3.9	4.7	3.9	3.8	3.4	4.1	3.8	4.6	4.3	6.5	7.2	8.6	8.1	7.5	7.1	7.3	6.4	8.7	7.9	7.5	7.7	9.7	9.9	6.3
20	10.1	8.2	7	7.3	8.7	7.7	7.9	8.4	7.9	9.4	9.4	10	9.3	10	9.9	8.5	7.6	5.7	5	3.4	2.9	3	3.2	4.3	7.3
21	3.9	4.7	3.3	3.4	2.7	2.8	2.5	4	4.5	5.6	5.4	4.7	5.4	4.4	3.7	3.7	3.2	1.6	0.7	0.8	0.4	0.6	0.8	1.2	3.1
22	1.4	1.5	2.3	1.6	2.8	3.4	3.5	3.3	3.8	5.3	4.3	4.2	3.5	3.3	4	5.1	4.6	3	2.3	2.2	1.5	1	1.9	1.5	3
23	1.3	1.4	1.1	1.8	1.4	2	2.2	3.3	3.8	5	5.2	5.3	5.2	4.4	4.1	4.2	3.9	3	1.8	1.4	1.8	1.8	1.6	1.7	2.9
24	1.6	1.9	2.4	2.5	2.1	1.9	2.1	2.2	2.9	2.9	4.9	4.9	4.6	5.1	4.3	4	4.4	2.8	1.3	0.2	0.2	0.3	1.4	1.3	2.6
25	1.1	1.7	2.8	4.3	4.2	3.8	3.3	4.5	4.7	5.4	6.5	6.9	5.7	5.7	4.4	3.9	2.3	1.1	0.3	0.7	0.6	0.9	1.2	1.6	3.2
26	2	2	2.4	2.4	2.3	1.9	2.7	3.7	5.8	7.8	7.1	8.5	8.4	7.9	7.6	6.7	4.7	3.1	3.2	4.1	4.4	4.8	5.1	4.5	4.7
27	4.6	5	4.6	4.2	4.5	4.8	6.2	7	7.9	9.2	10	10.9	10.3	10.3	9.2	8.4	6.9	5.2	4.4	3.1	4.1	3.7	3.3	9.8	6.6
28	10.4	9.5	7.5	7.6	7.8	7.7	7.2	7	7.1	6.4	6.7	6.9	5.9	5.4	6.5	6.4	5.4	4.2	4.6	5	4.9	5.8	4.5	4.1	6.4
29	5.7	6	6.1	6.1	6.2	5.1	5.6	5	4.3	6.9	5.5	7.7	9.8	9	10.7	11	10.6	8.6	10.7	9.2	8.5	5.8	4.8	4	7.2
30	3.9	3.7	3.9	3.1	2.8	2.9	2.7	2.7	4.5	5.4	5.1	6.3	5.3	5.3	5.5	4.4	4.6	2.7	1.6	0.6	0.7	1	0.8	1.1	3.4
31	1.1	1	0.8	1.1	1.6	2.5	2.6	2.5	3.5	3.8	5.9	6.1	5.9	6.1	5.3	3.3	3.1	3.3	2.8	2	3.4	5.9	9.4	9.3	3.9
Avg	3.1	3.1	3.1	3.1	3.2	3.2	3.4	3.9	4.6	5.4	5.8	6.1	6.1	6.1	5.8	5.5	5	3.7	2.9	2.7	2.5	2.7	3	3.2	4
SD	2.5	2.2	1.9	1.8	1.8	1.6	1.5	1.5	1.5	1.6	1.6	1.7	1.9	2	2	1.8	1.5	2.2	2	2.1	2	2.4	2.6	1.4	
S/A	0.82	0.71	0.6	0.57	0.57	0.49	0.45	0.4	0.33	0.3	0.28	0.28	0.31	0.32	0.35	0.37	0.36	0.41	0.75	0.76	0.81	0.76	0.81	0.82	0.34
Min	0	0.3	0.3	0.4	1	0.9	1.7	2.2	1.7	2.8	2.4	3.5	3.5	2.5	2.7	1.7	2.3	1.1	0.3	0.2	0.1	0.2	0.1	0.3	2.6
Max	10.4	9.5	7.5	7.6	8.7	7.7	7.9	8.4	7.9	9.4	10	10.9	10.3	10.3	10.7	11	10.6	8.6	10.7	9.2	8.5	7.7	9.7	9.9	7.3
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 2011

Station Pressure
Hourly and Daily Averages
Instrument: Viasala PTA-427
Millibars

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	1003	1003	1003	1003	1003	1004	1005	1006	1006	1006	1006	1007	1006	1006	1006	1007	1007	1007	1008	1009	1009	1009	1009	1009	1009	1006
2	1009	1009	1009	1009	1009	1010	1010	1010	1010	1011	1011	1011	1011	1010	1011	1011	1012	1012	1013	1014	1014	1015	1014	1014	1014	1011
3	1014	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015	1015	1015	1015	1016	1017	1017	1018	1018	1018	1018	1018	1018	1016
4	1018	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018
5	1019	1019	1019	1019	1019	1020	1020	1021	1021	1021	1021	1020	1020	1019	1019	1018	1019	1019	1019	1019	1020	1020	1021	1021	1021	1020
6	1021	1021	1021	1021	1022	1022	1023	1024	1024	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1026	1026	1026	1026	1026	1024
7	1026	1026	1025	1025	1026	1026	1027	1027	1028	1029	1029	1029	1028	1028	1028	1028	1028	1028	1028	1028	1029	1029	1029	1029	1029	1028
8	1029	1028	1028	1028	1028	1029	1029	1030	1030	1030	1030	1030	1029	1029	1029	1029	1029	1028	1028	1029	1029	1029	1029	1029	1029	1029
9	1028	1028	1027	1027	1027	1027	1028	1028	1029	1029	1028	1028	1027	1026	1026	1025	1025	1025	1025	1025	1025	1024	1024	1024	1024	1026
10	1024	1023	1022	1022	1022	1022	1022	1023	1022	1022	1022	1021	1020	1019	1019	1019	1018	1018	1018	1018	1018	1017	1017	1017	1020	
11	1017	1016	1016	1016	1016	1016	1016	1016	1017	1016	1016	1016	1016	1015	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1012	1015
12	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1010	1009	1009	1009	1008	1008	1008	1007	1007	1007	1007	1007	1007	1007	1009	
13	1006	1006	1006	1005	1005	1006	1006	1006	1006	1006	1005	1005	1004	1003	1003	1002	1002	1001	1002	1002	1002	1002	1002	1002	1004	
14	1001	1001	1001	1000	1000	999	1000	1000	1000	1000	1000	1000	1000	999	1000	1000	1002	1003	1004	1005	1006	1007	1007	1008	1002	
15	1008	1008	1009	1009	1009	1009	1010	1010	1010	1011	1011	1010	1010	1009	1009	1009	1009	1010	1011	1012	1012	1013	1013	1013	1010	
16	1014	1014	1014	1014	1015	1015	1016	1017	1018	1018	1017	1016	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1012	1011	1014	
17	1010	1010	1009	1010	1010	1010	1010	1011	1011	1011	1010	1010	1009	1008	1008	1008	1008	1008	1009	1009	1009	1009	1009	1009	1009	
18	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1010	1009	1009	1008	1007	1007	1007	1007	1008	1007	1007	1006	1005	1003	1008	
19	1002	1000	999	998	997	997	997	997	997	996	996	995	993	992	992	991	991	991	992	992	993	993	994	994	995	
20	995	997	997	999	1000	1001	1002	1003	1004	1004	1004	1004	1004	1004	1004	1005	1006	1007	1008	1009	1010	1011	1011	1011	1004	
21	1012	1012	1012	1013	1013	1014	1014	1015	1015	1015	1015	1015	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1014	
22	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	
23	1017	1017	1017	1017	1017	1017	1017	1018	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	
24	1017	1017	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1016	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1016	
25	1015	1016	1016	1017	1017	1018	1019	1020	1021	1022	1022	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	
26	1018	1018	1018	1017	1017	1017	1017	1017	1017	1016	1016	1015	1013	1012	1012	1011	1011	1011	1011	1010	1010	1010	1010	1010	1014	
27	1009	1009	1009	1008	1008	1008	1008	1008	1008	1008	1007	1006	1005	1004	1004	1004	1004	1004	1006	1007	1007	1008	1008	1011	1007	
28	1012	1013	1014	1015	1016	1016	1017	1018	1018	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1016	1016	1015	1014	1014	1016	
29	1013	1012	1010	1010	1008	1007	1006	1006	1006	1007	1006	1006	1006	1006	1007	1008	1010	1011	1012	1013	1014	1015	1015	1015	1010	
30	1016	1017	1018	1018	1019	1020	1021	1022	1023	1023	1024	1024	1023	1023	1023	1024	1024	1024	1025	1025	1025	1026	1026	1026	1022	
31	1026	1026	1026	1026	1026	1025	1025	1026	1025	1024	1024	1023	1022	1021	1021	1020	1020	1019	1019	1019	1019	1018	1018	1019	1022	
Avg	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1014	1014	1014	1014	1015	1015	1015	1015	1014	
S/D	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	
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		
Min	995	997	997	998	997	997	997	997	997	996	996	995	993	992	992	991	991	991	992	992	993	993	994	994	995	
Max	1029	1028	1028	1028	1028	1029	1029	1030	1030	1030	1030	1030	1029	1029	1029	1029	1029	1028	1028	1029	1029	1029	1029	1029	1029	
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.

October 2011

Battery Voltage (CR10)
Hourly and Daily Averages
Instrument: CSI
Volts DC

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
2	12.6	12.6	12.6	12.6	12.6	12.6	13.4	13.7	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
3	12.7	12.7	12.6	12.6	12.6	12.6	13.3	13.6	13.2	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
4	12.7	12.7	12.7	12.6	12.6	12.6	13.3	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
5	12.7	12.7	12.7	12.6	12.6	12.6	13.2	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.1	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
6	12.7	12.7	12.6	12.6	12.6	12.6	13.2	13.5	13.4	13.2	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	12.9
7	12.7	12.6	12.6	12.6	12.6	12.6	13.2	13.6	13.4	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
8	12.7	12.7	12.6	12.6	12.6	12.6	13.2	13.5	13.4	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
9	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.5	13.4	13.3	13.2	13.2	13.1	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
10	12.7	12.7	12.7	12.6	12.6	12.6	12.7	13.4	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.9
11	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.3	13.3	13.2	13.1	13.4	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.9
12	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.2	13.2	13.2	13.2	13	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.8
13	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.3	13.2	13.2	13.2	13.2	13.1	13.2	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
14	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13.3	13.3	13.3	13.2	13.2	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	12.9
15	12.7	12.7	12.7	12.7	12.6	12.6	13.1	13.5	13.4	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
16	12.7	12.7	12.7	12.6	12.6	12.6	13.2	13.6	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13
17	12.7	12.7	12.7	12.7	12.6	12.6	13	13.4	13.4	13.3	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
18	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
19	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.3	13.3	13.3	13.3	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.9
20	12.7	12.7	12.6	12.6	12.6	12.6	13	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13
21	12.7	12.7	12.7	12.7	12.6	12.6	13.1	13.7	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
22	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.6	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.3	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
23	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13.6	13.5	13.4	13.3	13.3	13.2	13.2	13.3	13.3	13.3	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13
24	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13	13.5	13.5	13.4	13.3	13.3	13.2	13.2	13.3	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13
25	12.7	12.7	12.7	12.7	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	12.8	12.7	12.7	12.7	12.7	12.7	13
26	12.7	12.7	12.7	12.7	12.6	12.6	12.9	13.6	13.5	13.4	13.3	13.3	13.2	13.2	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13
27	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.5	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13
28	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.7	12.9	13.1	13.5	13.3	13.1	12.9	12.8	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7
29	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13.2	13.2	13.3	13.5	13.3	13	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.5	12.5	12.8
30	12.4	12.4	12.4	12.4	12.4	12.4	13	13.9	13.8	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
31	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.8	13.7	13.6	13.5	13.4	13.4	13.5	13.5	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.7	13
Avg	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.4	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
S D	0.1	0.1	0.1	0	0	0	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	0	0.1	0.1	0.1	0.1	0.1
S/A	0	0	0	0	0	0	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0.01
Min	12.4	12.4	12.4	12.4	12.4	12.4	12.6	12.6	12.6	12.7	13.1	13.1	13.1	13	12.9	12.8	12.7	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.7
Max	12.7	12.7	12.7	12.7	12.7	12.7	13.4	13.9	13.8	13.6	13.5	13.5	13.4	13.5	13.5	13.4	13.4	12.9	12.8	12.8	12.8	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	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.