

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

October 2006

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	51	99	222	293	494 ?	507 ?	433	436 ?	?	?	148 ?	33	0	0	0	0	0	0	2718 ?
2	0	0	0	0	0	0	51	231	395 ?	?	?	?	765 ?	709	578	400	188	34	0	0	0	0	0	0	3351 ?
3	0	0	0	0	0	0	53	222	418	581	699	754	749	677	545	371	170	33	0	0	0	0	0	0	5272
4	0	0	0	0	0	0	53	202	390	573	691	748	743	669	540	354	156	27	0	0	0	0	0	0	5146
5	0	0	0	0	0	0	49	191	388	552	664	565	597	527	310	120	60	10	0	0	0	0	0	0	4032
6	0	0	0	0	0	0	43	123	169	229	158	247	333	211	81 ?	50 ?	9 ?	6	0	0	0	0	0	0	1659 ?
7	0	0	0	0	0	0	4	72	145	265	445	231	325	642	403	296	131	22	0	0	0	0	0	0	2981
8	0	0	0	0	0	0	15	47	137	223	203	161	190	144	128	141	84	16	0	0	0	0	0	0	1490
9	0	0	0	0	0	0	9	30	40 ?	78	340	450	292	192	139	95	33	20	0	0	0	0	0	0	1718
10	0	0	0	0	0	0	38	155	374 ?	553	672	731	732	658	524	349	145	23	0	0	0	0	0	0	4954
11	0	0	0	0	0	0	27	90	245	461	327	403	402	332	200	84	35	10	0	0	0	0	0	0	2617
12	0	0	0	0	0	0	36	168	177	291	463	492	427	627	494	314	134	20	0	0	0	0	0	0	3643
13	0	0	0	0	0	0	18	166	375	364	173	358	365	189	99	102	57	23	0	0	0	0	0	0	2290
14	0	0	0	0	0	0	42	186	389	576	695	757	751	673	531	346	142	21	0	0	0	0	0	0	5109
15	0	0	0	0	0	0	42	202	397	564	681	744	731	628	508	270	100	14	0	0	0	0	0	0	4881
16	0	0	0	0	0	0	34	129	287	494	613	604	659	495	272	331	143	7	0	0	0	0	0	0	4067
17	0	0	0	0	0	0	14	54	86	183	120	151	133	128	59 ?	42	17 ?	1	0	0	0	0	0	0	988
18	0	0	0	0	0	0	46	205	220	189	198	270	224	230	171	128	61	9	0	0	0	0	0	0	1952
19	0	0	0	0	0	0	12	61	137	287	604	684	652	589	402	174	44	7	0	0	0	0	0	0	3652
20	0	0	0	0	0	0	9	101	222	391	382	456	680	376	462	291	108	11	0	0	0	0	0	0	3489
21	0	0	0	0	0	0	29	167	359	522	635	660	442	535	325	284	98	11	0	0	0	0	0	0	4068
22	0	0	0	0	0	0	20	79	112	332	294	145	113	106	90	66	31	3	0	0	0	0	0	0	1391
23	0	0	0	0	0	0	8	30	140	333	643	683	680	357	260	122	33	4	0	0	0	0	0	0	3295
24	0	0	0	0	0	0	28	164	358	523	638	696	677	551	420	277	92	9	0	0	0	0	0	0	4434
25	0	0	0	0	0	0	29	115	204	486	633	670	511	471	389	255	71	7	0	0	0	0	0	0	3841
26	0	0	0	0	0	0	25	160	351	515	627	681	669	591	452	270	82	2	0	0	0	0	0	0	4426
27	0	0	0	0	0	0	20	48	157	140	173	140	85	99	48	38	8	0	0	0	0	0	0	0	954
28	0	0	0	0	0	0	5	121	195	381	568	490	584	535	423	262	85	4	0	0	0	0	0	0	3652
29	0	0	0	0	0	0	23	151	338	499	609	662	649	569	436	259	80	3	0	0	0	0	0	0	4278
30	0	0	0	0	0	0	19	143	327	483	592	648	633	557	426	251	73	1	0	0	0	0	0	0	4153
31	0	0	0	0	0	0	26	104	349 ?	495	510	434	545	408	287	112	23	0	0	0	0	0	0	0	3293
Avg	0	0	0	0	0	0	28	129	261	395	485	507	509	449	333	215	85	13	0	0	0	0	0	0	3348
S D	0	0	0	0	0	0	15	59	113	149	195	210	213	197	169	113	51	10	0	0	0	0	0	0	1279
S/A	0	0	0	0	0	0	0.54	0.45	0.43	0.38	0.4	0.41	0.42	0.44	0.51	0.52	0.6	0.82	0	0	0	0	0	0	0.38
Min	0	0	0	0	0	0	4	30	40	78	120	140	85	99	48	38	8	0	0	0	0	0	0	0	954
Max	0	0	0	0	0	0	53	231	418	581	699	757	765	709	578	400	188	34	0	0	0	0	0	0	5272
n	0	0	0	0	0	0	298	368	349	360	352	356	363	363	347	357	354	149	0	0	0	0	0	0	4016

Daylight Data Recovery: 0.0% missing; 0.0% untested; 3.6% exceed the 15% QC threshold -- 4167 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31256F3 Calibration Factor: 7.561 μV/W/m² Calibration Date: 08/2003

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 2006

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	99	21	45	29	140 ?	84 ?	35	103 ?	?	?	382 ?	185	0	0	0	0	0	0	1124 ?
2	0	0	0	0	0	0	263	559	623 ?	?	?	?	843 ?	871	841	786	640	281	0	0	0	0	0	0	5707 ?
3	0	0	0	0	0	0	265	615	748	804	830	830	825	806	772	695	537	216	0	0	0	0	0	0	7942
4	0	0	0	0	0	0	220	556	693	769	795	798	795	773	739	620	421	127	0	0	0	0	0	0	7307
5	0	0	0	0	0	0	124	409	626	700	703	352	301	131	42	1	6	0	0	0	0	0	0	0	3395
6	0	0	0	0	0	0	0	12	3	1	2	12	24	3	0	0	0	0	0	0	0	0	0	0	57
7	0	0	0	0	0	0	0	2	9	17	124	2	15	485	203	304	198	9	0	0	0	0	0	0	1366
8	0	0	0	0	0	0	0	0	2	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	9
9	0	0	0	0	0	0	0	0	0	1	13	27	8	1	0	0	0	1	0	0	0	0	0	0	50
10	0	0	0	0	0	0	120	230	682 ?	785	837	813	866	864	831	757	582	264	0	0	0	0	0	0	7633
11	0	0	0	0	0	0	0	3	99	254	28	42	73	59	7	0	0	5	0	0	0	0	0	0	570
12	0	0	0	0	0	0	105	338	171	133	203	267	192	638	699	532	474	167	0	0	0	0	0	0	3921
13	0	0	0	0	0	0	4	257	628	238	1	21	31	0	0	0	83	0	0	0	0	0	0	0	1263
14	0	0	0	0	0	0	316	681	826	890	922	931	928	914	872	787	603	234	0	0	0	0	0	0	8905
15	0	0	0	0	0	0	295	679	823	886	901	916	894	788	774	373	110	15	0	0	0	0	0	0	7454
16	0	0	0	0	0	0	42	45	233	549	702	443	587	463	67	395	296	0	0	0	0	0	0	0	3822
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	177	534	144	1	1	3	0	2	0	0	6	30	0	0	0	0	0	0	897
19	0	0	0	0	0	0	0	0	0	51	662	526	554	690	382	94	0	1	0	0	0	0	0	0	2960
20	0	0	0	0	0	0	0	62	93	300	182	243	634	269	654	657	480	140	0	0	0	0	0	0	3714
21	0	0	0	0	0	0	162	530	716	793	825	706	323	517	300	573	397	119	0	0	0	0	0	0	5962
22	0	0	0	0	0	0	2	5	3	122	15	0	0	0	0	0	0	0	0	0	0	0	0	0	148
23	0	0	0	0	0	0	0	0	1	200	851	834	731	259	178	16	0	0	0	0	0	0	0	0	3071
24	0	0	0	0	0	0	208	558	752	838	873	897	870	629	559	605	395	103	0	0	0	0	0	0	7287
25	0	0	0	0	0	0	175	223	116	704	856	760	432	370	467	568	292	63	0	0	0	0	0	0	5026
26	0	0	0	0	0	0	240	626	792	857	888	904	900	876	822	704	384	7	0	0	0	0	0	0	7999
27	0	0	0	0	0	0	5	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
28	0	0	0	0	0	0	0	100	38	474	588	479	630	646	739	648	454	29	0	0	0	0	0	0	4825
29	0	0	0	0	0	0	247	612	779	839	866	877	871	834	785	693	430	10	0	0	0	0	0	0	7842
30	0	0	0	0	0	0	221	602	781	859	889	898	891	864	802	694	416	9	0	0	0	0	0	0	7925
31	0	0	0	0	0	0	93	297	703 ?	777	461	328	456	348	239	11	0	0	0	0	0	0	0	0	3714
Avg	0	0	0	0	0	0	109	276	359	429	472	433	442	426	392	351	242	68	0	0	0	0	0	0	3932
S D	0	0	0	0	0	0	110	266	346	363	386	376	370	348	351	322	232	90	0	0	0	0	0	0	3063
S/A	0	0	0	0	0	0	1.01	0.96	0.96	0.85	0.82	0.87	0.84	0.82	0.9	0.92	0.96	1.33	0	0	0	0	0	0	0.78
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Max	0	0	0	0	0	0	316	681	826	890	922	931	928	914	872	787	640	281	0	0	0	0	0	0	8905
n	0	0	0	0	0	0	298	368	362	360	355	357	363	366	360	360	369	149	0	0	0	0	0	0	4067

Daylight Data Recovery: 0.0% missing; 0.0% untested; 2.4% exceed the 15% QC threshold -- 4167 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25521E6 Calibration Factor: 8.034 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 06/2002

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 2006

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	49	95	194	268	346 ?	392 ?	385	343 ?	?	?	35 ?	11	0	0	0	0	0	0	2117 ?
2	0	0	0	0	0	0	24	47	51 ?	?	?	?	61 ?	59	59	47	33	11	0	0	0	0	0	0	392 ?
3	0	0	0	0	0	0	24	50	63	72	79	82	83	79	72	61	42	15	0	0	0	0	0	0	722
4	0	0	0	0	0	0	24	57	78	88	99	107	106	101	92	82	57	18	0	0	0	0	0	0	908
5	0	0	0	0	0	0	40	75	99	111	139	269	347	413	282	120	58	10	0	0	0	0	0	0	1963
6	0	0	0	0	0	0	43	122	169	229	139	226	313	209	56 ?	45	12	6	0	0	0	0	0	0	1568
7	0	0	0	0	0	0	4	66	142	260	350	231	319	289	282	169	89	21	0	0	0	0	0	0	2222
8	0	0	0	0	0	0	15	47	137	223	203	161	190	144	128	141	84	16	0	0	0	0	0	0	1490
9	0	0	0	0	0	0	9	29	32	78	337	435	288	192	139	95	33	20	0	0	0	0	0	0	1688
10	0	0	0	0	0	0	21	85	62 ?	63	62	86	59	52	48	40	26	7	0	0	0	0	0	0	612
11	0	0	0	0	0	0	29	90	196	297	309	374	338	286	199	84	35	10	0	0	0	0	0	0	2247
12	0	0	0	0	0	0	26	83	107	208	313	283	278	193	100	108	42	11	0	0	0	0	0	0	1751
13	0	0	0	0	0	0	18	96	94	226	173	341	339	189	99	102	57	18	0	0	0	0	0	0	1753
14	0	0	0	0	0	0	16	38	46	51	53	58	60	57	52	45	29	9	0	0	0	0	0	0	514
15	0	0	0	0	0	0	18	39	47	50	59	59	68	92	84	116	75	12	0	0	0	0	0	0	719
16	0	0	0	0	0	0	34	122	172	162	109	220	193	153	230	199	82	7	0	0	0	0	0	0	1683
17	0	0	0	0	0	0	14	54	86	183	120	151	133	128	53	42	17 ?	0	0	0	0	0	0	0	981
18	0	0	0	0	0	0	20	55	169	189	198	270	224	230	171	128	61	9	0	0	0	0	0	0	1724
19	0	0	0	0	0	0	12	61	137	246	151	266	232	131	186	133	44	7	0	0	0	0	0	0	1604
20	0	0	0	0	0	0	10	85	180	212	267	280	235	207	125	61	31	7	0	0	0	0	0	0	1700
21	0	0	0	0	0	0	20	52	68	77	87	152	213	208	173	84	35	9	0	0	0	0	0	0	1177
22	0	0	0	0	0	0	22	79	112	262	287	145	113	100	90	66	31	4	0	0	0	0	0	0	1311
23	0	0	0	0	0	0	8	30	140	206	86	92	164	195	166	116	33	4	0	0	0	0	0	0	1242
24	0	0	0	0	0	0	19	48	65	72	77	76	81	155	138	81	38	6	0	0	0	0	0	0	857
25	0	0	0	0	0	0	23	65	152	98	87	143	206	238	165	72	30	5	0	0	0	0	0	0	1283
26	0	0	0	0	0	0	15	37	51	58	62	63	63	61	55	47	25	2	0	0	0	0	0	0	538
27	0	0	0	0	0	0	22	48	155	140	173	140	85	99	44	38	9	0	0	0	0	0	0	0	952
28	0	0	0	0	0	0	5	100	182	119	198	162	159	147	70	63	23	4	0	0	0	0	0	0	1232
29	0	0	0	0	0	0	12	34	50	62	70	73	72	71	63	46	24	3	0	0	0	0	0	0	581
30	0	0	0	0	0	0	10	33	44	47	48	50	50	50	51	43	20	2	0	0	0	0	0	0	447
31	0	0	0	0	0	0	15	64	64 ?	113	236	202	234	185	163	108	23	0	0	0	0	0	0	0	1408
Avg	0	0	0	0	0	0	20	64	108	149	164	186	184	163	121	86	40	9	0	0	0	0	0	0	1271
S D	0	0	0	0	0	0	11	26	53	80	99	109	105	89	68	41	21	6	0	0	0	0	0	0	551
S/A	0	0	0	0	0	0	0.53	0.4	0.49	0.54	0.61	0.58	0.57	0.55	0.57	0.48	0.53	0.68	0	0	0	0	0	0	0.43
Min	0	0	0	0	0	0	4	29	32	47	48	50	50	44	38	9	0	0	0	0	0	0	0	0	392
Max	0	0	0	0	0	0	49	122	196	297	350	435	385	413	282	199	89	21	0	0	0	0	0	0	2247
n	0	0	0	0	0	0	279	368	362	359	355	357	363	366	355	360	363	149	0	0	0	0	0	0	4036

Daylight Data Recovery: 0.0% missing; 0.0% untested; 3.1% exceed the 15% QC threshold -- 4167 total daylight measurements.

Instrument: Eppley PSP Serial Number: 17880F3 Calibration Factor: 8.067 μV/W/m² Calibration Date: 07/2002

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 2006

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	16.4	16	16.7	16.7	16.3	16	15.7	16.6	17.6	19.4	21.3	23.1	23.5	23.7	24.3	24.9	24.6	23	20.5	18.5	17.5	16.8	16.4	16.2	19.2
2	15.9	15.1	14.6	14.8	14.9	14.6	15	17	19.3	21.2	22.2	22.9	23.2	23.7	23.7	23.8	23.6	22	20	18.2	16.6	15.9	15.7	15.4	18.7
3	15.4	15.3	15.1	15.1	14.9	14.1	13.9	16	19	21.3	23	24.5	25.2	25.5	25.9	25.9	25.6	23	21.1	20.2	19.5	19.3	18.7	18.3	19.8
4	18.3	18	17.2	16.6	16.6	16.5	16.8	18	20.3	22.6	24.5	26.1	26.7	27.2	27.6	27.6	26.9	25.3	23.6	22.2	21.4	20.9	20.7	20.2	21.7
5	19.7	19	18.4	18.3	18	18.1	18.1	18.7	21.2	23.6	25.1	24.7	24.5	23.9	23.1	21.5	20.8	20.2	19.9	19.5	19.1	18.7	18.7	18.9	20.5
6	18.9	19.4	19.5	19.6	19.3	19.6	19.9	20.1	20.8	22.2	22.6	22.9	21.9	21	19.3	17.8	17.6	17.6	17.9	17.7	18.1	18.7	18.7	17.6	19.5
7	16.9	17	16.1	13.6	12.8	13.2	13.5	13.4	14.1	15.7	18	19	20.1	23.1	24.1	24.1	23.7	22.3	21.4	21.3	21.4	21.1	20.6	20.4	18.6
8	20.2	20.2	20	19.8	19.8	19.7	19.8	20.1	20.7	21	21.1	20.5	20.1	19.9	19.6	19.4	19.2	18.9	18.7	18.6	18.4	18	17.8	18	19.6
9	18.1	17.9	17.9	17.9	18.4	18.7	18.9	19	19.2	19.5	20.7	21.7	21.7	21.4	21.1	20.9	20.3	19.9	19.5	18.8	18.4	18.2	17.9	17.7	19.3
10	17.6	17.6	17.7	17.6	17.5	17.5	17.2	18.1	20.1	21.9	23.3	24.1	24.1	24.4	24.8	24.3	23.4	21.4	19.7	18.8	18.1	17.1	16.7	16.5	20
11	16.7	16.8	16.7	17	17.3	17.4	17.7	18.7	20.2	22.4	23.2	24.2	24.7	25	24.7	24.3	23.3	22.4	21.8	21.1	20.5	19.7	19.2	19	20.6
12	18.8	18.5	18.4	18.3	18.4	18.2	18.5	19.6	20.5	20.2	21.3	22.4	23.3	24	24.4	24.2	23.8	22	20.3	18.9	18.3	17.9	16.9	16.6	20.2
13	15.5	14.6	13.9	13.4	12.6	12.3	11.9	12.2	13.3	14.7	14.5	14.9	15.6	15.2	14.8	14.5	14.4	13.9	12.7	11.7	11.6	10.9	10.1	9.3	13.3
14	8.7	7.9	7.1	6.6	6.3	5.7	5.5	7.4	9.6	11.9	13.9	15	15.7	16.2	16.5	16.5	16	14.4	12.5	11.1	10.3	9.6	9.3	9.6	11
15	9.8	8.9	8	6.8	6	4.7	4.2	6.1	9.9	14.3	16.4	17.6	18.1	19.3	19.4	19.1	17.1	15.4	14	12.8	11.9	11.2	10.5	9.8	12.1
16	9.7	9	8.7	8.3	8.6	8.8	9.9	11.8	14.3	17	18	18.6	19.1	19.3	19	19	18.1	16.6	15.8	15.6	15.3	15.1	15.4	16	14.5
17	15.8	16.3	16.7	16.7	17.1	17.4	17.8	18.5	19.1	20.2	20.5	20.3	20.4	20.7	20.8	20.4	20.1	19.2	19.2	19.2	18.7	18.5	18.8	19	18.8
18	19.4	19.6	20.5	21.1	21.1	20.7	20.2	20.8	21.8	21.9	22	22.5	22.7	23.3	23.5	23.3	23	22	20.3	19	18.4	17.9	17.7	17.6	20.9
19	18.2	18.5	18.2	18	18	17.9	17.7	17.5	17.4	17.9	20.5	22.7	22.8	22.9	22.5	22.3	21.6	20.6	19.9	19.4	19.1	19	19.2	19.5	19.6
20	20	19.9	19.8	20.1	20.3	21.1	21.8	22.4	23.3	24.3	24.9	25.6	26.6	25.6	25.6	24.7	23.2	20.5	18.6	16.9	15.5	14.9	14.4	13.6	21
21	12.5	11.8	10.9	10.2	9.8	9.5	9.5	11	13.2	14.7	16	17.1	17.2	17.4	16.7	16.6	15.8	14.1	13.4	12.8	12	11.4	11.3	11.2	13.2
22	9.6	9.6	9.1	8.9	8.6	8.7	9.4	10.9	12.9	15.6	17.6	17.9	17.9	16.4	15.1	15.2	15.5	15.3	15.1	15	15	14.9	14.8	15.2	13.5
23	15.4	15.1	14.3	13.5	12.8	12.2	12	11.5	11.2	11.6	13	13.7	14.4	14.5	14.1	13.4	12.7	11.8	10.9	10.1	9.5	8.9	7.7	6.2	12.1
24	5.8	5.6	5.3	4.5	3.4	2.4	1.8	2.6	4.6	6.7	8.5	9.5	10.6	11.2	11.7	11.6	10.9	9.5	8.1	7.1	6.1	5.1	4.5	3.6	6.7
25	2.7	2.2	2.1	1.6	1.7	1.6	1.5	2.4	4.2	7	10.2	11.4	11.7	11.9	11.9	12	11.7	10.3	8.5	7.3	7.3	6.1	5.2	4.1	6.5
26	3.4	3	3	2.6	2.1	1.8	1.7	3.7	7.4	9.7	11	12.4	13.2	13.7	14.4	14.5	14	12.2	10.4	10.3	10.2	10	10.3	10.6	8.6
27	10.5	10.8	10.8	10.7	10.8	10.6	10.6	10.8	12.1	13.5	14.1	14.4	14.4	14.6	13.9	12.8	12.4	12.6	13.4	13.8	14.6	15.6	16.4	16.7	13
28	17	17.3	18.2	19.1	19.6	20	20.2	20.7	21.2	21.9	22.8	22.6	22.1	21.9	21.2	21	19.5	17	15.4	14	13.1	12.3	11.4	10.7	18.3
29	10.1	9.8	9.4	9	8.3	7.9	7.7	9.1	11.8	13.9	15.3	16.5	17.7	18.7	19.7	19.8	18.9	17	15.8	15.1	15.3	15.3	14.9	14.1	13.8
30	13.1	12.2	11.4	10.9	10.7	10.2	9.8	10.9	13.7	16.7	19.1	21	22.2	22.6	21.4	20.4	20	17.7	16	15.7	15.2	14.3	13.5	13.3	15.5
31	12.8	12.1	11.8	11.8	11.8	11.3	11.3	12.7	14.8	17.7	20	20.6	21.4	22.4	22.4	21.6	20.4	19.5	18.7	18.3	17.8	17.3	17.1	16.8	16.8
Avg	14.3	14	13.8	13.5	13.4	13.2	13.2	14.1	15.8	17.5	18.9	19.7	20.1	20.3	20.2	19.9	19.3	18	16.9	16.1	15.6	15.2	14.9	14.6	16.3
S D	4.9	5	5.2	5.4	5.6	5.9	6	5.7	5.2	4.8	4.5	4.5	4.3	4.3	4.4	4.4	4.4	4.2	4.1	4.1	4.1	4.2	4.4	4.6	4.4
S/A	0.34	0.36	0.38	0.4	0.42	0.45	0.45	0.4	0.33	0.27	0.24	0.23	0.22	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.26	0.28	0.3	0.32	0.27
Min	2.7	2.2	2.1	1.6	1.7	1.6	1.5	2.4	4.2	6.7	8.5	9.5	10.6	11.2	11.7	11.6	10.9	9.5	8.1	7.1	6.1	5.1	4.5	3.6	6.5
Max	20.2	20.2	20.5	21.1	21.1	21.1	21.8	22.4	23.3	24.3	25.1	26.1	26.7	27.2	27.6	27.6	26.9	25.3	23.6	22.2	21.4	21.1	20.7	20.4	21.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI 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 2006

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	101.9	103.7	103.4	104 ?	?	?	?	104.9 ?	101.3	93.3	83.2	74.1	68.7	68.7	65.6	59.8	55.2	60	73.9	85.5	92.8	95	93.7	96.4	85 ?
2	98.4	100.6	104.1 ?	?	103.1	101.3	100.4	94.8	85.2	66.5	52.3	49.3	47.3	47.7	47.3	47.6	49.5	56.2	67.1	77	85.7	89.3	89.5	91.7	76.2
3	93.4	94.4	97.2	99.6	101.1	103.9	103.8 ?	95.9	81.7	74.1	66	58.9	57.2	58.4	55.6	56.5	58.6	73.4	84.3	91.1	94.8	94.1	96.7	99	82.9
4	100.6	100.7	103	104.7 ?	?	?	104.1 ?	99.5	90.1	79.8	71.4	67.7	67.3	65.5	61.8	61.7	64.4	71.4	77.9	89.7	96.4	99.3	99.8	100.3	85.3 ?
5	99.8	101.8	103.9	103	103.5	102.6	101.6	99.7	92.2	85.9	82.2	85.7	83.2	84.6	89.2	95	95.1	96.4	97.9	97.9	98.3	98.9	98.3	98.1	95.6
6	99.4	98.7	99.2	100.1	101.8	102.6	102.8	102.2	101.6	98.9	97.8	95.2	96.3	96.5	100.2	104.8 ?	105 ?	?	?	?	?	?	?	?	100.2 ?
7	?	?	?	?	?	?	?	?	?	?	103.8 ?	102.1	99.4	91.9	89.3	92.6	95.5	102.4	104.2	103.5	102.1	101.5	102.9	102.1	99.5 ?
8	101.6	101.3	101.2	102	102.2	102.6	102.2	101.2	99	97.5	96.3	96.3	94.6	93.5	94.6	96.2	96.8	97.9	98.5	99.3	99.9	101.5	102.4	102.2	99.2
9	101.8	102.2	102.9	103.9	103.8	103.3	103.7	104.4	104.6	104.1	101	98.7	99	98.4	98.1	98.2	99.8	101.2	103	104.6 ?	?	?	?	?	101.8 ?
10	?	?	?	?	?	?	?	?	99.3	84.7	56.1	50.2	50.3	47.3	40.6	43.8	52.4	65.9	76.8	79.1	87	96.8	101.4	103.9	71 ?
11	?	?	?	?	?	?	?	?	103.8	99.2	96.3	91.2	88.4	85.4	85.3	89.3	93.6	97.1	99.4	101.9	104.5	?	?	?	95 ?
12	?	104.5 ?	103.4	104.5	?	?	?	102.6	99.7	98.9	94.1	88	80.9	71.6	66	66.3	64.2	65.4	71.3	76.5	78.8	80.4	87	84.6	84.4 ?
13	85.1	82.1	82.2	78.5	81.3	81.6	79.4	76.1	75	72.1	74.3	75.4	73.3	74.1	74.8	75.4	76.6	80.7	89.5	94.7	92.4	96.8	99.1	100.9	82.1
14	101.7	103.3	103.9 ?	?	?	?	?	96.1	81.6	69.4	53.1	43.5	40.6	39.2	38.3	39.9	40.9	46.8	55.2	66	69	72.9	76.6	75.4	65.7 ?
15	80.1	88.2	91.6	95	96.1	99.9	101.8	98.8	88.4	74	53.8	37.6	35.9	33.9	33.8	39.5	64.1	75.5	84.8	90.6	94.8	96.5	98.8	101.2	77.3
16	102.7	104.5 ?	104.5	?	104.6 ?	103.4	97.8	86.9	83	72.1	60.2	59.9	57.3	59	61.9	64.2	68.7	75.6	80.9	85.4	88.3	93.2	94.5	94.5	82.7
17	98.1	100.3	100.7	101.4	102.2	103.2	102.8	99.6	96.5	89.4	91.2	95.7	99.1	100.3	102	101.5	100	101.1	102.5	100.5	100.7	102.7	104.8 ?	?	99.8
18	?	?	?	?	104.9 ?	?	?	104.6 ?	102	100	99.4	96.2	94.2	92	90.4	90.4	93.5	96.6	102.5 ?	?	?	?	?	?	97.4 ?
19	?	?	?	?	?	?	?	?	?	?	96.3 ?	89.4	89.3	86.8	92.8	93.9	97.4	101.5	104.2	?	?	?	?	?	94.6 ?
20	?	?	?	?	?	?	104.5 ?	103.1	99.6	95.7	92.1	85.8	78.3	76.8	71.7	66.3	63.8	65.6	68.5	76.4	82.8	88.3	84.1	83.9	82.6 ?
21	87.8	87.6	91.7	94.9	96.7	97	96.6	91.1	83.8	78.7	72.3	67.9	68	67.6	72.4	72.6	77.1	84.6	88.3	89.8	93.1	95.3	92.2	90.5	84.9
22	99.6	101.6	101.4	101.5	102.7	102.7	103.2	103	98.3	91.9	85	85.9	84.4	97.2	100.6	102.2	102.6	103.7	?	?	?	?	?	?	98.2 ?
23	?	103.7	104.5 ?	?	104.3 ?	102	98.6	87	75.4	72.5	64.9	60.6	58.4	57.7	57.7	60.3	63.5	68.6	72.3	77.4	76.6	77	73.9	75.8	76.9 ?
24	77.3	78.1	79.3	81.8	82.9	86.4	87.9	84.3	76.1	66.9	59.8	55.7	51.8	48.7	47.4	46.3	49	56.8	65.3	72	77.4	81.1	83	86.3	70.1
25	90.1	91.9	91.4	93.3	92.1	93.3	93.7	89	83.7	74	61	52.2	50.8	51.7	52.2	52	53.5	62.3	73.3	79	78.4	84.4	89.1	94	76.1
26	96.6	96.8	95.1	95.3	96.8	97.2	97.4	90.1	77.2	63.1	55.7	51	48.8	48.5	47.8	47.3	49.8	61.2	74.7	80.9	83.6	87.2	84.4	91.8	75.8
27	95.6	86.4	84.1	87.4	89.4	90.4	92.3	88.4	88.4	79.7	74.7	66.4	67	69.8	84	97.2	101.1	104.4 ?	?	?	?	?	?	?	85.9 ?
28	?	?	?	?	?	?	?	104.4 ?	102.6	96.6	83.7	69.5	67.3	62.4	60.6	52.9	49.9	52.5	55.1	58.8	59.6	60	63	60.8	68.2 ?
29	60	60.2	59.2	59.1	62.4	67.5	71.8	68.2	60	48.4	45.7	46.3	46.8	47.2	46.2	44.8	49.4	58.9	65.1	69.9	69.5	69.8	71.6	75.4	59.3
30	81.8	87.8	92.4	94.5	95	96.7	98.1	95.3	85	74.3	62.7	52.3	48.2	49.5	58	58.5	61	70.7	78.3	83.1	87.8	95.3	98.9	100.3	79.4
31	102.7	104.5 ?	?	?	?	?	?	103.2 ?	97	82.9	69.4	68	63.8	59.9	59.9	65.5	73.2	76.8	83.1	90.5	94.7	97.5	98.4	99.9	83.7 ?
Avg	93.5	95.2	95.7	95	96.3	96.7	97.4	95.3	90.1	82.2	76	71.5	69.5	68.8	69.2	70.4	73.1	77.7	82.1	85.4	87.5	89.8	91	91.7	84.4 ?
S D	10.9	10.8	11	11.5	10.6	9.5	8.5	9.3	11.2	13.7	17.5	19.2	19.4	19.6	20.7	21.6	20.7	18.1	15	12.1	11.4	11.2	11.1	11.2	11.4
S/A	0.12	0.11	0.12	0.12	0.11	0.1	0.09	0.1	0.12	0.17	0.23	0.27	0.28	0.28	0.3	0.31	0.28	0.23	0.18	0.14	0.13	0.12	0.12	0.12	0.14
Min	60	60.2	59.2	59.1	62.4	67.5	71.8	68.2	60	48.4	45.7	37.6	35.9	33.9	33.8	39.5	40.9	46.8	55.1	58.8	59.6	60	63	60.8	59.3
Max	102.7	104.5	104.5	104.7	104.9	103.9	104.5	104.9	104.6	104.1	103.8	102.1	99.4	100.3	102	104.8	105	104.4	104.2	104.6	104.5	102.7	104.8	103.9	101.8
n	264	270	259	218	221	228	233	297	348	348	358	372	372	372	372	364	364	352	328	308	299	288	278	276	7393

Data Recovery: 0.0% missing; 0.0% untested; 17.2% 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 2006

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	15.2	14.7	14.7	15.2	15.3	15.4	15.4	16	16.8	18.7	21.3	24.7	26.7	27.3	27.9	28.4	28.6	27	23.1	19.6	17.2	15.9	15.2	14.7	19.8
2	14.4	14.2	13.6	13.5	13.7	13.4	13.3	15.1	18.7	22.3	25.3	27.3	28.1	28.3	28.2	28.1	27.7	26	22.2	19	16.7	15.2	14.4	13.9	19.7
3	13.6	13.5	13.3	13	13.3	13.1	12.8	14.4	18.1	22.1	25.5	28.4	29.6	30	30.3	30.3	29.8	28	23.9	20.9	19.3	18.5	18	17.3	20.7
4	16.9	16.9	16.7	16.3	15.8	15.8	15.9	17.1	19.8	23.1	26.2	28.6	30.2	30.9	31	31.2	30.7	28.9	25.8	23.3	21.7	20.8	20.3	19.9	22.7
5	19.5	19	18.4	18	17.9	17.7	17.8	18.7	21.3	24.9	27.6	29.2	28.8	28.8	28	26.1	24	22.4	21.2	20.5	19.7	19.2	18.7	18.8	21.9
6	19	19.2	19.5	19.6	19.5	19.3	19.5	20.1	21.1	22.6	23.8	24.7	24.6	23	20.3	18.7	18.1	17.9	18	18	18.2	18.6	18.6	18.5	20.3
7	17.9	17.6	17.4	16.2	14.7	14	14	14	14.3	15.5	18	21	21.9	24.4	27.8	28.3	27.6	26.1	23.7	22.1	21.4	21.3	21.2	20.6	20
8	20.3	20.4	20.5	20.4	20.2	20.2	20.1	20.3	20.9	21.7	22.7	22.6	22.3	21.9	21.5	21.1	20.9	20.3	19.7	19.4	19.1	18.6	18	18	20.5
9	18.1	17.9	17.8	17.7	17.9	18.4	18.8	19.2	19.5	19.7	20.7	22.9	24.2	24.2	23.5	23	22.4	21.5	20.8	19.9	18.9	18.3	18	17.8	20
10	17.6	17.6	17.7	17.6	17.6	17.7	17.4	17.9	19.7	22.8	25.5	27.3	28.2	28.3	28.6	28.7	28	25.8	21.9	19.5	18.2	17.3	16.5	16	21.4
11	15.9	16.1	16.3	16.3	16.6	17	17.3	18	19.5	22.3	25.7	27.2	28.3	28.9	28.4	27.2	25.8	24.3	23.1	22.1	21.1	20.3	19.3	18.9	21.5
12	18.8	18.5	18	17.6	17.7	17.7	17.7	18.6	20.7	21.4	22.6	24.3	25.7	26.3	27.2	27.3	26.8	25.2	22	19.5	17.7	16.8	16.1	15.5	20.8
13	15.3	14.8	13.9	13.2	12.6	12	11.9	12.1	13.9	16.2	17	16.8	17.8	18.4	17.5	16.6	16.1	15.4	13.5	11.6	11.3	10.8	9.8	8.5	14
14	7.4	6.5	5.9	5.3	5.1	4.7	4.5	5.7	8.6	12.3	16	18.4	19.1	19.3	19.5	19.5	19.1	17.4	13.8	11.1	8.8	7.6	6.8	6.5	11.2
15	6.7	6.7	6.4	5.7	4.7	3.7	2.8	4.3	8.6	13.7	18.6	21.6	22.5	22.9	23.4	23.4	21.5	18.5	15.2	12.9	11.2	10.1	9.2	8.4	12.6
16	7.8	7.5	7.3	7.1	7	7.1	7.4	8.5	11.2	15.5	19.4	21.7	22.6	23.3	22.7	22	22.3	19.9	17.2	16	15.3	14.9	14.7	15	14.7
17	15.3	15.4	15.9	16.2	16.4	16.8	17.2	17.9	18.7	19.8	20.9	20.9	20.7	20.7	21	20.7	20.2	19.5	18.9	18.8	18.5	18.3	18.4	18.7	18.6
18	19.1	19.4	19.9	20.4	20.8	20.8	20.5	21	22.7	23.5	23.9	24.4	25.1	25.6	26.3	26.1	25.5	24.2	22.2	20.3	19.1	18.2	17.7	17.5	21.8
19	17.9	18.4	18.7	18.6	18.6	18.5	18.4	18.4	18.5	18.7	21.5	25.7	27.3	27.6	27.2	26.4	24.7	22.8	21.3	20.3	19.6	19.2	19.2	19.4	21.1
20	19.6	19.9	19.8	19.9	20.1	20.4	21	21.8	23	24.8	26.5	27.3	28.4	29.1	28.6	28.5	27.4	24.6	20.7	18	15.9	14.2	13.4	13	21.9
21	12	11	9.8	9.1	8.6	8.2	7.9	9.2	12.4	15.6	18.3	20.6	21.8	21.4	21.5	20.8	20	17.5	14.3	12.4	11	9.9	9	8.7	13.8
22	8.3	7.5	7.4	7.2	7.2	7.3	7.7	8.8	10.8	13.4	17.8	19.4	19.3	18.8	17.1	16	15.7	15.6	15.3	15.3	15.3	15.1	14.8	15	13.2
23	15.3	15.5	14.9	13.9	13.2	12.3	11.7	11.8	11.9	12.4	14.5	17	18.5	19.1	18.5	16.8	15.2	13.6	12.3	11.2	10.2	9.6	8.9	7.3	13.6
24	6.2	5.5	5.2	4.8	3.6	2.4	1.5	2	4.4	7.3	10	12.1	13.4	14.3	14.6	14.4	13.8	11.9	9.2	7.2	5.8	4.7	3.8	2.9	7.5
25	2.1	1.3	0.9	0.5	0.4	0.3	0.2	1.2	3	5.5	10.1	13.5	14.9	15.1	14.9	14.9	14.4	12.2	8.9	6.5	5.4	4.8	4	3.1	6.6
26	2.3	1.8	1.3	1.1	0.9	0.6	0.3	1.6	5.5	9.7	12.7	14.9	16.5	17.2	17.5	17.7	17.3	14.8	11.1	9.7	9.8	9.7	9.8	10.1	8.9
27	10.2	10.4	10.5	10.5	10.6	10.5	10.5	10.4	11.2	13.1	14.3	15.2	15.5	15.5	15.1	14	12.9	12.4	12.7	13.1	13.7	14.5	15.4	16.1	12.8
28	16.6	17	17.5	18.2	18.9	19.3	19.7	20	20.8	21.9	24.1	25.3	25.1	24.9	24.4	23.8	22.8	20.2	17.2	15	13.4	12.1	11.1	10.2	19.2
29	9.3	8.9	8.5	8	7.5	6.9	6.6	7.6	10.5	13.7	16.2	17.9	19.1	20.1	21	21.6	21.4	19.4	16.7	15.1	14.4	14.3	14.3	13.9	13.9
30	13	11.9	10.9	10.2	9.8	9.4	8.8	9.3	12.7	16.8	21.1	24.3	26.2	27.3	27	25.5	23.9	21.2	17.5	15.7	14.8	14.1	13.1	12.2	16.5
31	11.7	11.3	10.8	10.6	10.7	10.3	9.8	10.9	12.9	16.6	20.9	22.6	23.6	24.6	24.7	24.1	22.4	20.8	19.5	18.7	18.2	17.5	17	16.7	16.9
Avg	13.7	13.4	13.2	13	12.8	12.6	12.5	13.3	15.2	17.7	20.3	22.2	23.1	23.5	23.5	23	22.2	20.5	18.1	16.5	15.5	14.8	14.4	14	17
S D	5.2	5.5	5.6	5.8	6	6.2	6.4	6.2	5.7	5.2	4.8	4.7	4.7	4.7	4.9	5	5	4.8	4.6	4.5	4.5	4.5	4.7	5	4.6
S/A	0.38	0.41	0.43	0.45	0.47	0.49	0.51	0.47	0.37	0.29	0.24	0.21	0.2	0.2	0.21	0.22	0.23	0.24	0.25	0.27	0.29	0.31	0.33	0.35	0.27
Min	2.1	1.3	0.9	0.5	0.4	0.3	0.2	1.2	3	5.5	10	12.1	13.4	14.3	14.6	14	12.9	11.9	8.9	6.5	5.4	4.7	3.8	2.9	6.6
Max	20.3	20.4	20.5	20.4	20.8	20.8	21	21.8	23	24.9	27.6	29.2	30.2	30.9	31	31.2	30.7	28.9	25.8	23.3	21.7	21.3	21.2	20.6	22.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI Serial Number: Internal Temp Calibration Factor: N/A Calibration Date: 06/1995

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

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

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 2006

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	0.2	0.5	1	0.5	0.4	0.9	0.3	1.1	1.4	1.7	2.8	1.9	1.9	2.3	2.4	1.9	1.7	0.9	0.4	0.2	0.1	0.4	0.2	0.4	1.1
2	0.8	0.3	0.3	1.1	1.3	1.2	1.6	1.4	1.6	1.8	1.8	1.7	1.8	1.5	2.1	2	1.7	1.2	0.6	0.2	0.2	0.4	0.4	0.4	1.1
3	0.4	0.4	0.1	0.9	0.5	0.1	0.2	0.9	1.5	1.6	1.5	1.7	1.8	1.9	1.9	2.2	1.7	2.1	0.7	0.8	1.1	1.3	0.9	0.7	1.1
4	1.2	1.3	1.2	0.6	0.9	1.3	1.7	2.1	2.3	2.8	2.9	2.8	2.7	3.1	3.1	2.8	2.8	1.5	1	1.3	1	1	1.6	1.8	1.9
5	1.7	1.2	1.4	2.1	1.8	2.4	1.3	1.3	0.9	2.5	3.3	4.1	4.2	4.5	3.8	4	3.4	2.9	3.1	3.3	2.7	3.1	2.5	1.5	2.6
6	2.2	2.4	2.8	2.4	2	1.7	0.2	0.7	0.8	1.7	1	2.1	3	3.6	4.8	4.9	4.8	4.9	4.4	4	4.3	2.8	0.7	0.6	2.6
7	0	0	2.3	2.4	1	0.3	0.6	1.4	0.5	0.5	0.5	0.8	0.5	0.5	1.8	2.6	2.1	4	4.5	5	4.3	4.8	3.8	4.2	2
8	3.8	3.9	3.7	3.8	3.4	3.9	3.6	2.8	3.8	4	4.7	4.5	5.2	5	4.7	4.5	4.7	4	3.4	3	3.6	2.9	2	2.4	3.8
9	3.2	2.9	2.7	2	2.1	3.6	4	3	3.2	2.7	3.3	3.7	3.6	4.1	3.1	3.4	3.2	3	2.3	1.7	1.4	1.6	1.7	1.4	2.8
10	2.2	2.8	2.1	1.4	2.5	2	1.5	2.1	2.8	3.2	3.8	3.6	3.7	3.4	3.1	2.6	2.1	1.8	1.8	1.8	1.6	1.2	1.1	1.5	2.3
11	1.7	1.7	1.4	1.4	1.4	1	1.3	1.2	1.2	1.4	1.3	0.8	0.9	1.5	1.5	1.3	1.3	1.1	0.7	0.6	0.9	0	0.3	1.2	1.1
12	1.9	2.2	1.4	1.8	1.6	1.1	2	3.5	4.1	3.9	3.7	3.4	3.7	4.3	4	4.5	3.2	2.2	1	0.9	1	0.9	1.2	1.9	2.5
13	2.5	2.2	1.4	1.5	1.2	2.9	3.2	2.6	3.3	3.4	2.9	2.8	2.6	2.5	2.5	2.1	1.9	1.2	0.5	1.3	1	0.8	0.7	0.5	2
14	0.5	0.7	0.6	0.7	0.5	1.2	0.6	1.4	1.8	1.8	1.9	3	3.9	3.9	3.8	3.7	3.2	1.8	1.1	0.5	0.5	0.6	0.8	0.9	1.7
15	1.1	1.2	1.4	0.7	0.8	0.2	0.2	0.4	0.6	0.5	0.9	1.9	2	1.5	1.5	1.9	1.9	1.1	0.5	0.3	0.6	0.5	0.4	0.1	0.9
16	0	0.3	0.6	0.6	0.6	0.6	1.1	1.7	1.4	2.4	3	3	3.1	2.6	1.7	2.5	2.9	1.7	1.4	1.7	1.2	0.9	1.1	1.4	1.6
17	1.4	1.7	1.3	1	2	2.1	2.3	1.8	1.5	2.6	2.1	2.6	2.6	2	1.1	2.1	2.2	1.3	1.7	2.2	2.1	2.4	2.4	3.2	2
18	3.6	1.5	2.5	3.3	2.3	1.2	1.1	1.8	2.9	1.9	1.3	1.4	0.6	0.4	0.4	0.6	0.5	0.3	1.4	1	0.5	0.4	0.2	0.1	1.3
19	0	0.2	0.5	0.4	0.3	0.4	0.1	0.4	1.3	1.1	1	3.1	3.1	2.9	3.3	2.3	2.2	1.5	1.3	0.9	0.8	1.4	1.7	1.2	1.3
20	1.4	1.4	1.8	2	2.3	3.2	3.4	3.3	4.8	5.6	5.7	6.1	5.8	5.2	4.9	4.6	4.3	3.3	2.3	1.9	1.2	0.9	2.6	1.8	3.3
21	1.3	0.7	0.8	1.2	1.3	1.3	1.5	1.8	2.5	3.1	2.8	2.3	2	2.1	2.9	2.5	2.5	2	1.3	0.9	0.5	0.4	0.8	0.9	1.6
22	0	0.5	0.4	0.6	0.5	0.6	0.5	0.6	0.3	0.3	1.8	1	0.5	1.4	1.1	0.2	0	0	0	0	0.6	1.2	1.4	3	0.7
23	2.6	2	1.2	1.5	1.7	1.8	2.4	3.2	2.8	3.4	2.8	2.3	1.8	1.3	2.1	2.4	2.3	2.4	2.4	2.1	2.7	3.2	3.2	2.9	2.4
24	2.7	2.4	2.5	2.6	2.4	2.7	3	3.4	3.5	4.1	4.2	4.5	4	4.1	3.8	4.5	4.1	2.6	1.9	1.8	2	1.8	1.9	1.8	3
25	1.6	1.8	1.6	2	2.2	1.9	2.1	2.2	2.3	3.1	3.4	4.2	4	3.7	4	3.5	2.3	0.6	0.4	0.8	1	0.8	0.8	0.8	2.1
26	0.9	0.8	0.9	1.2	1.2	1.2	1	1.4	2.1	3.4	3.7	2.9	3.1	3	2.4	2.5	1.6	0.2	0	0	0	0	0	0.2	1.4
27	0.1	0.7	0.2	0.4	1	0.7	0.2	0.8	1.4	2.5	2.5	2.8	2.3	1.8	1.3	1.1	0.7	2.2	2	2.6	4.5	5.6	5.4	4.8	2
28	3.6	3	4.4	5.2	4.9	4.1	4.5	3.8	4.4	5.7	6.4	7.9	7.2	7.5	7.1	7.1	6	4.9	4.4	3.4	3.1	3	2.7	3	4.9
29	3.2	3.4	3.1	2.7	2.4	2.9	2.6	2.9	4.2	5.5	6.4	7.2	7.2	6.8	6.3	6.1	4.5	2.2	2.1	2.5	3.3	3.9	3.5	2.4	4.1
30	1.6	1.5	1.5	1.8	1.6	1.5	0.3	0.6	1.3	0.6	0.7	1.1	0.8	1.1	2.3	2.5	1.3	1.4	1.6	2	1.8	1.7	0.6	0.8	1.3
31	0.5	0.6	0.2	0.5	0.2	0.1	0.4	0.6	1.4	2.1	3	2.6	3.3	3.6	3.7	3	1.9	1.4	1.6	1.4	0.9	1.6	1.7	1.4	1.6
Avg	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.8	2.2	2.6	2.8	3	3	3	3	3	2.5	2	1.7	1.6	1.6	1.7	1.6	1.6	2.1
SD	1.2	1	1.1	1.1	1	1.1	1.3	1	1.2	1.4	1.6	1.7	1.7	1.7	1.5	1.5	1.4	1.3	1.2	1.2	1.3	1.4	1.2	1.2	1
S/A	0.76	0.69	0.69	0.68	0.65	0.7	0.8	0.56	0.56	0.55	0.55	0.56	0.58	0.57	0.51	0.51	0.53	0.63	0.74	0.76	0.8	0.84	0.8	0.74	0.47
Min	0	0	0.1	0.4	0.2	0.1	0.1	0.4	0.3	0.3	0.5	0.8	0.5	0.4	0.4	0.2	0	0	0	0	0	0	0	0.1	0.7
Max	3.8	3.9	4.4	5.2	4.9	4.1	4.5	3.8	4.8	5.7	6.4	7.9	7.2	7.5	7.1	7.1	6	4.9	4.5	5	4.5	5.6	5.4	4.8	4.9
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 2006

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	179	153	154	184	231	272	261	227	240	261	268	277	277	285	270	297	308	302	285	354	128	190	213	359	268
2	336	319	327	318	326	326	328	343	356	30	8	349	324	254	278	263	278	290	281	269	234	216	214	217	314
3	218	219	200	241	234	272	272	251	241	244	225	218	188	170	190	166	186	135	134	151	168	174	204	189	194
4	198	218	221	203	210	218	223	227	234	229	231	219	201	197	214	210	215	210	198	204	192	184	191	207	213
5	217	218	214	217	219	226	261	254	310	26	40	34	52	62	55	50	48	54	64	68	63	66	72	61	55
6	68	85	93	91	100	116	49	60	66	116	170	257	299	337	353	15	28	27	23	28	35	43	242	276	33
7	282	304	236	247	249	238	236	229	242	215	236	237	267	320	81	62	57	64	61	62	62	58	50	48	58
8	48	38	30	35	37	35	40	42	43	41	31	32	32	35	36	34	33	29	29	26	26	24	13	22	34
9	33	35	27	30	23	33	33	22	18	30	34	32	29	32	39	35	30	21	17	14	36	355	351	17	27
10	17	351	359	358	360	349	349	2	12	22	35	31	35	31	44	33	17	22	6	357	360	348	352	352	15
11	345	17	6	353	355	334	335	332	19	48	84	88	245	234	233	282	292	292	266	275	251	206	206	210	323
12	216	210	195	209	209	182	200	224	242	244	239	237	257	256	236	239	253	260	240	220	244	228	222	268	236
13	306	328	329	330	340	1	12	7	7	31	28	27	60	32	31	32	26	43	345	315	312	298	296	287	7
14	287	283	284	273	262	258	254	273	290	295	276	242	258	254	257	257	267	272	242	222	209	210	216	222	260
15	234	251	251	255	263	282	268	257	297	344	225	243	238	246	240	249	44	31	340	337	316	322	329	334	264
16	333	331	320	311	325	331	3	24	51	68	69	93	94	83	89	63	64	60	56	58	49	59	71	64	63
17	68	76	70	73	75	81	80	87	101	117	124	128	141	149	174	163	182	175	163	174	138	139	160	144	127
18	151	167	208	229	233	236	228	253	268	268	280	320	295	350	302	316	55	47	80	91	70	72	59	89	232
19	98	103	97	124	98	105	23	40	23	42	69	87	84	115	82	92	102	87	96	93	107	144	138	166	95
20	188	178	165	165	169	182	201	210	222	230	230	243	239	264	283	288	294	295	294	288	301	350	1	336	246
21	321	322	313	310	312	310	311	329	349	2	15	29	351	351	47	45	55	65	52	46	46	40	51	42	10
22	16	351	335	331	321	313	0	309	332	73	121	206	230	213	242	159	0	0	138	228	187	206	235	257	243
23	267	275	273	280	289	292	295	319	325	324	315	332	274	275	272	277	283	283	287	279	277	272	272	271	289
24	281	282	283	278	279	275	271	272	276	283	300	301	292	279	284	276	273	279	282	273	270	276	278	276	281
25	269	266	276	271	270	269	273	273	281	286	291	292	295	300	293	296	299	296	254	264	278	269	275	254	284
26	265	266	277	266	278	278	280	295	315	331	327	300	288	272	270	282	281	281	165	165	167	0	51	77	293
27	72	70	107	125	145	130	90	142	145	129	124	132	128	115	95	69	88	90	110	114	121	125	133	129	121
28	144	143	150	168	167	179	192	198	208	218	225	244	253	259	262	261	273	272	279	278	270	265	257	260	233
29	256	251	250	233	223	221	217	218	222	230	230	232	241	241	247	238	230	213	207	209	217	225	225	221	232
30	229	236	222	222	235	257	264	267	268	271	246	301	234	156	149	138	139	119	111	123	132	118	151	156	181
31	175	153	173	211	211	182	151	191	196	204	215	213	216	214	216	210	206	202	160	161	191	204	201	206	203
Avg	263	286	248	246	254	270	284	277	287	293	283	277	272	273	280	290	316	3	23	42	56	122	209	236	285
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 2006

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	0.7	1.1	1.8	1.2	0.9	1.7	0.8	1.9	2.5	3.1	5.6	3.8	4.1	4.6	4.6	4	3.6	1.8	1	0.4	0.5	0.8	0.4	0.8	2.2
2	1.4	0.6	0.8	1.9	2	2	2.6	2.4	2.9	3.5	3.7	3.5	3.6	3.4	4.5	3.9	3.5	2.2	1.3	0.5	0.6	0.9	0.7	1	2.2
3	0.9	0.9	0.4	1.3	1	0.7	0.8	1.7	2.5	3	3.1	3.1	3.5	3.7	3.6	3.9	3.2	3.2	1.4	1.3	2.4	2.8	1.5	1.6	2.2
4	2.3	2.2	2.1	1.3	1.7	2.1	2.7	3.4	3.7	4.6	4.9	4.6	5	5.3	5.4	4.9	4.8	2.6	2.1	2.3	2.1	2.2	3.1	3.3	3.3
5	2.9	2.1	2.4	3.1	2.9	3.6	2.6	2.5	2.4	4.4	5.7	7.1	7.2	7.3	6.5	7.3	6	5.1	5.7	5.9	4.8	5.4	4	2.9	4.6
6	3.5	4.1	4.5	4.1	3.2	2.9	0.7	1.6	1.7	3	2.2	4.3	5.9	6.6	8	8.9	8.5	9.3	8	7.4	7.4	5.2	1.9	1.8	4.8
7	0.4	0.2	4.1	4.7	2.4	0.9	1.8	2.9	1.6	1.5	1.9	2.1	1.7	1.9	3.3	4.6	3.8	6.9	7.7	8.7	8.1	8.8	6.8	8.1	3.9
8	7.2	7.3	6.4	6.4	6.2	6.6	6.3	5.6	6.8	6.5	8.1	7.6	9.5	8.5	8	7.9	8.2	7.4	6	5.6	6	5.3	3.9	4.5	6.7
9	6	5.1	4.9	3.8	3.9	6.3	7	5.1	5.7	4.9	5.7	6.2	6.3	7	5.5	6.1	5.7	5.5	4.5	3.3	2.9	2.8	2.9	2.4	5
10	3.4	4.6	4.1	2.8	4.5	3.6	2.9	4.1	5	5.4	6.6	6.1	6.3	5.8	5.7	4.9	3.9	3.2	2.9	3	2.7	2.2	1.8	2.4	4.1
11	2.8	3	2.5	2.3	2.6	1.8	2.4	2.4	2.4	2.9	2.5	1.8	2.1	2.7	2.8	2.5	2.7	2.2	1.4	1.2	1.6	0.3	1.1	2.2	2.2
12	3.6	3.9	2.8	3.5	3.2	2.5	3.7	5.6	6.7	6.4	6.2	5.6	6.2	7.3	6.5	7.3	5.3	3.8	1.7	1.3	1.5	1.4	1.6	3.6	4.2
13	5.1	4	2.7	3	2.4	5.1	5.8	4.8	5.6	6	4.9	4.9	4.6	4.3	4.3	3.8	3.3	2.1	1.1	2.5	2.4	2	1.7	1.3	3.7
14	1.3	1.5	1.6	1.5	1.1	2.2	1.4	3	3.7	3.9	4	5.9	7.4	6.9	6.9	6.5	6.2	3.4	1.8	1	1	1.3	1.4	1.4	3.2
15	1.6	1.8	2.2	1.5	1.6	0.7	0.9	1.3	1.7	1.4	2.1	4.1	3.9	3.4	3.2	3.6	3.3	2.1	1.1	0.8	1	1	0.8	0.3	1.9
16	0.2	0.6	0.9	1	1	1.1	1.8	2.7	2.5	4.3	5.2	5.1	5	4.3	3.1	4.3	4.9	3	2.4	3.1	2.1	1.6	1.8	2.5	2.7
17	2.3	2.9	2.4	2	3.2	3.6	3.8	3.2	2.5	4	3.5	4.3	4.5	3.4	2.3	4	4.5	3	3.5	4.3	3.6	4.2	4.6	5.2	3.5
18	6.1	3.4	4.8	5.5	3.9	2.7	2.4	3.7	5.7	4.5	3.1	3.2	1.8	1.4	1.5	1.6	1.2	1	2.2	1.8	1.3	1	0.9	0.6	2.7
19	0.1	1.1	1.4	1.3	1	1.3	0.6	1.3	2.5	2.3	2.3	5.1	4.9	5	5.1	3.8	3.2	2.7	2.3	1.7	1.6	2.5	3	2.5	2.4
20	3	2.9	3.4	3.9	4.6	5.9	6	6.1	8	9.5	9.3	10.1	10	9.8	10.2	9.4	8.4	6.7	4.7	3.7	2.3	1.7	4.5	3.1	6.1
21	2.8	1.5	1.7	2.1	2.4	2.4	2.9	3.5	4.3	5.2	5	4.2	3.6	3.9	4.8	4	4.3	3.6	2.2	1.6	1.1	0.9	1.3	1.4	3
22	0.3	0.9	0.9	1	0.9	1.1	1	1.5	0.8	0.9	3.2	2	1.3	2.5	2.2	1	0	0	0.1	0.2	1.4	2.4	2.9	5.3	1.4
23	5.1	4.8	3.1	3.9	4.2	4	5.1	6.5	5.4	6.2	5.6	4.5	3.9	2.9	4.3	4.6	5	4.9	4.6	4.3	5.2	6.3	6.1	5.6	4.8
24	5.3	5	5.2	5.3	4.9	5.5	5.4	6.8	6.9	8.4	8.4	8.3	8.2	8.3	7.9	8.3	8.3	5.1	3.8	3.4	3.7	3.6	3.7	3.6	6
25	3.2	3.2	3.3	3.7	3.9	3.6	4.2	4.3	5.1	6.1	7.1	8.2	8.1	8.2	8	6.8	5.2	1.5	0.8	1.2	1.9	1.5	1.5	1.4	4.3
26	1.6	1.5	1.8	2.1	2.3	2.3	2	2.9	4.5	6.4	6.3	6	6.1	6	5.2	4.8	3.5	0.3	0.1	0.1	0.2	0	0.2	0.6	2.8
27	0.4	1.3	0.6	0.9	1.7	1.2	0.5	1.5	2.4	4	4.2	4.5	4	3.1	2.4	1.9	1.7	3.8	3.6	4.7	7.3	8.8	9.5	8.2	3.4
28	6.4	5.7	7.8	9.6	9.6	7.7	7.8	6.9	7.6	9.6	11	13.1	12.6	13.3	13.1	12.8	11.3	9.5	8.7	7.1	6.2	5.2	4.5	5.2	8.9
29	5.3	5.8	5.1	4.4	3.7	4.8	4.1	4.9	6.8	8.8	10.6	11.8	12.4	11.3	10.7	10.3	7.2	3.6	3.3	4.1	5.2	6.2	5.4	3.9	6.7
30	2.6	2.2	2.2	2.6	2.4	2.3	0.8	1.3	2.6	1.6	1.7	2.7	2.1	2.6	4	4.2	2.1	2.2	2.4	3.1	2.7	2.4	1.2	1.7	2.3
31	1.1	1.3	0.9	1.3	1	1	1.1	1.6	2.8	3.7	4.9	4.6	5.6	6	6.3	5.2	3.2	2.6	2.7	2.7	2.1	2.8	3.1	2.6	2.9
Avg	2.9	2.8	2.9	3	2.9	3	3	3.4	4	4.7	5.1	5.4	5.5	5.5	5.5	5.4	4.7	3.7	3.1	3	3	3	2.8	2.9	3.8
SD	2.1	1.8	1.8	1.9	1.9	1.9	2.1	1.8	2	2.3	2.5	2.7	2.9	2.8	2.7	2.7	2.4	2.3	2.2	2.2	2.2	2.3	2.1	2	1.7
S/A	0.72	0.66	0.63	0.64	0.64	0.63	0.71	0.52	0.5	0.49	0.49	0.5	0.52	0.51	0.49	0.49	0.52	0.63	0.73	0.74	0.73	0.78	0.74	0.69	0.45
Min	0.1	0.2	0.4	0.9	0.9	0.7	0.5	1.3	0.8	0.9	1.7	1.8	1.3	1.4	1.5	1	0	0	0.1	0.1	0.2	0	0.2	0.3	1.4
Max	7.2	7.3	7.8	9.6	9.6	7.7	7.8	6.9	8	9.6	11	13.1	12.6	13.3	13.1	12.8	11.3	9.5	8.7	8.7	8.1	8.8	9.5	8.2	8.9
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.

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 2006

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily		
1	1016	1015	1014	1014	1015	1016	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1016	1016	1017	1017	1017	1018	1018	1016		
2	1018	1018	1018	1019	1019	1020	1021	1022	1022	1023	1023	1023	1022	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1021	
3	1021	1021	1021	1022	1022	1022	1023	1023	1023	1023	1023	1023	1022	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1022	1022	
4	1020	1020	1020	1019	1019	1020	1020	1020	1020	1020	1020	1019	1019	1018	1018	1017	1017	1017	1017	1016	1017	1017	1016	1016	1018	1018	
5	1016	1016	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1017	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	
6	1016	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015	1014	1014	1013	1014	1013	1014	1014	1013	1013	1013	1013	1013	1013	1014	
7	1012	1011	1012	1012	1013	1013	1014	1015	1015	1015	1016	1017	1016	1016	1016	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1016	
8	1019	1019	1019	1020	1020	1020	1020	1021	1021	1022	1022	1022	1021	1020	1020	1020	1020	1019	1020	1020	1020	1019	1019	1018	1020	1020	
9	1018	1017	1017	1017	1018	1017	1017	1017	1018	1018	1018	1018	1017	1016	1016	1016	1016	1016	1015	1016	1016	1015	1015	1015	1017	1017	
10	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1012	1011	1011	1011	1011	1011	1010	1010	1012	1012	
11	1010	1009	1008	1008	1008	1008	1008	1008	1008	1008	1008	1007	1007	1006	1006	1005	1004	1004	1004	1004	1004	1004	1004	1003	1006	1006	
12	1003	1002	1002	1002	1002	1002	1002	1003	1003	1003	1003	1003	1003	1003	1002	1002	1003	1003	1004	1005	1005	1005	1006	1006	1006	1003	
13	1007	1008	1008	1009	1009	1010	1011	1011	1011	1012	1011	1011	1010	1010	1010	1010	1010	1009	1009	1010	1011	1011	1011	1011	1010	1010	
14	1010	1010	1010	1010	1011	1011	1012	1012	1013	1013	1013	1012	1011	1010	1010	1011	1011	1012	1012	1012	1013	1014	1014	1015	1015	1012	
15	1015	1015	1015	1015	1016	1016	1016	1017	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1019	1020	1020	1017	1017	
16	1020	1020	1019	1020	1020	1021	1022	1022	1022	1023	1023	1023	1022	1022	1022	1021	1022	1022	1022	1022	1022	1022	1022	1021	1021	1021	
17	1020	1020	1020	1019	1018	1017	1017	1017	1017	1016	1016	1015	1014	1013	1013	1013	1012	1012	1012	1012	1012	1011	1010	1010	1015	1015	
18	1009	1008	1008	1008	1008	1009	1009	1009	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1009	1009	
19	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1009	1009	1008	1007	1007	1007	1006	1006	1006	1005	1004	1004	1008	1008	
20	1003	1002	1001	1000	1000	999	999	999	999	999	999	1000	999	1000	1001	1002	1003	1005	1006	1007	1008	1009	1010	1010	1003	1003	
21	1010	1011	1011	1012	1012	1013	1014	1015	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1016	1015	1015	
22	1016	1015	1015	1015	1014	1015	1014	1014	1015	1014	1014	1013	1012	1011	1011	1010	1009	1008	1008	1008	1008	1007	1007	1007	1012	1012	
23	1007	1007	1006	1006	1007	1007	1008	1009	1010	1010	1010	1009	1008	1008	1007	1007	1008	1008	1009	1009	1010	1010	1010	1010	1008	1008	
24	1009	1009	1010	1010	1010	1011	1011	1011	1012	1012	1012	1012	1011	1011	1011	1011	1011	1012	1013	1014	1014	1015	1015	1015	1012	1012	
25	1015	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1016	1016	1017	1017	1018	1018	1018	1019	1019	1019	1017	1017
26	1020	1020	1020	1020	1020	1021	1021	1021	1022	1022	1022	1022	1021	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	
27	1020	1020	1019	1019	1018	1018	1019	1019	1019	1019	1018	1018	1016	1015	1015	1014	1014	1014	1012	1011	1010	1009	1008	1006	1015	1015	
28	1002	1000	998	996	995	994	994	994	993	993	992	992	992	992	993	994	996	998	1001	1002	1003	1005	1005	1006	997	997	
29	1007	1008	1009	1010	1010	1011	1011	1012	1012	1012	1012	1012	1011	1010	1010	1010	1011	1011	1012	1013	1013	1014	1015	1015	1011	1011	
30	1016	1016	1016	1016	1017	1017	1017	1018	1019	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1018	1018	
31	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1015	1015	1017	1017	
Avg	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	
S D	6	6	6	6	6	7	7	7	7	7	7	7	7	7	6	6	6	6	5	5	5	5	6	6	6	6	
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	0.01	
Min	1002	1000	998	996	995	994	994	994	993	993	992	992	992	992	993	994	996	998	1001	1002	1003	1004	1004	1003	997	997	
Max	1021	1021	1021	1022	1022	1022	1023	1023	1023	1023	1023	1023	1022	1022	1022	1021	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	
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	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 2006

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	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.4	13.5	13.4	13.3	13.3	13.3	13.2	13.2	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
2	12.6	12.6	12.6	12.6	12.6	12.5	13	13.5	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.3	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
3	12.6	12.6	12.6	12.6	12.6	12.5	13	13.5	13.4	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	12.9
4	12.7	12.6	12.6	12.6	12.6	12.6	13	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
5	12.7	12.7	12.6	12.6	12.6	12.6	12.8	13.4	13.4	13.3	13.2	13.2	13.2	13.2	13.3	13.3	12.9	12.8	12.7	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	12.6	13.1	13.1	13.3	13.1	13.2	13.3	13.3	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.8
7	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.7	13.2	13.5	13.4	13.4	13.4	13.3	13.2	13.2	13.2	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
8	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13	13.2	13.2	13.3	13.4	13.4	13.3	13.3	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
9	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13.3	13.3	13.3	13.3	13.3	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8
10	12.7	12.6	12.6	12.6	12.6	12.6	12.8	13.4	13.4	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	12.9
11	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.3	13.3	13.3	13.2	13.2	13.2	13.3	13	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
12	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.4	13.2	13.3	13.4	13.3	13.3	13.3	13.3	13.3	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
13	12.7	12.6	12.6	12.6	12.6	12.6	12.5	13.3	13.6	13.5	13.5	13.5	13.5	13.5	13.3	13.3	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.6	13
14	12.6	12.6	12.6	12.5	12.5	12.5	13.1	13.8	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.4	12.8	12.8	12.7	12.7	12.7	12.7	12.6	13
15	12.6	12.6	12.6	12.6	12.5	12.5	13.1	13.8	13.7	13.6	13.4	13.4	13.4	13.4	13.4	13.4	13.3	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
16	12.6	12.6	12.6	12.6	12.5	12.5	12.6	13.5	13.7	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
17	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13.2	13.1	13.3	13.3	13.3	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.8
18	12.6	12.6	12.6	12.6	12.6	12.6	12.8	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	12.9
19	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.7	13	13.4	13.3	13.3	13.2	13.2	13.3	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
20	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.8	12.7	12.7	12.7	12.7	12.7	12.6	12.9
21	12.6	12.6	12.6	12.6	12.6	12.5	12.8	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.5	13.3	12.8	12.7	12.7	12.7	12.7	12.7	12.6	13
22	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.8	13.1	13.5	13.5	13.4	13.3	13.3	13.2	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.9
23	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	13.1	13.6	13.5	13.5	13.5	13.5	13.5	13.4	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.6	12.9
24	12.6	12.6	12.6	12.5	12.5	12.5	12.8	13.9	13.8	13.8	13.7	13.6	13.6	13.6	13.6	13.6	13.4	12.8	12.8	12.7	12.7	12.7	12.6	12.6	13.1
25	12.6	12.6	12.6	12.5	12.5	12.5	12.8	13.9	13.9	13.8	13.7	13.6	13.6	13.6	13.6	13.6	13.3	12.8	12.8	12.7	12.7	12.7	12.6	12.6	13.1
26	12.6	12.6	12.6	12.5	12.5	12.4	12.8	13.9	13.8	13.7	13.6	13.6	13.5	13.5	13.5	13.4	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
27	12.7	12.6	12.6	12.6	12.6	12.5	12.5	12.6	13.2	13.2	13.4	13.4	13	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.8
28	12.6	12.5	12.5	12.5	12.5	12.5	12.5	13	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.2	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.9
29	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.7	13.7	13.6	13.5	13.5	13.5	13.4	13.4	13.4	13.3	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
30	12.7	12.6	12.6	12.6	12.6	12.5	12.8	13.7	13.6	13.5	13.4	13.3	13.3	13.2	13.3	13.3	13.2	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
31	12.6	12.6	12.6	12.6	12.6	12.5	12.8	13.5	13.6	13.5	13.4	13.4	13.4	13.3	13.4	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
Avg	12.6	12.6	12.6	12.6	12.6	12.5	12.7	13.3	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
SD	0	0	0	0	0	0	0.2	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0	0	0	0	0	0	0	0	0.1
StA	0	0	0	0	0	0	0.01	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0	0	0	0	0	0	0	0.01
Min	12.6	12.5	12.5	12.5	12.5	12.4	12.5	12.5	12.6	12.7	13.1	13.2	13	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.8
Max	12.7	12.7	12.7	12.7	12.7	12.6	13.1	13.9	13.9	13.8	13.7	13.6	13.6	13.6	13.6	13.6	13.4	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13.1
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: 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.