

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

August 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	26	135	311	490	652	800	844	886	771	714	569	400	263	81	8	0	0	0	0	6949
2	0	0	0	0	0	23	131	307	496	667	803	876	897	847	686	561	378	157	29	2	0	0	0	0	6860
3	0	0	0	0	0	23	131	311	497	669	804	881	886	843	593	569	349	184	42	0	0	0	0	0	6782
4	0	0	0	0	0	23	125	308	487	655	791	865	831	776	682	286	166	93	4	1	0	0	0	0	6093
5	0	0	0	0	0	10	110	297	496	664	642	756	917	721	718	577	420	214	50	0	0	0	0	0	6593
6	0	0	0	0	0	36	169	356	553	742	860	948	969	918	799	654	385	182	52	0	0	0	0	0	7624
7	0	0	0	0	0	23	150	309	408	632	606	607	835	820	728	363	130	126	31	0	0	0	0	0	5767
8	0	0	0	0	0	29	131	262	486	665	779	799	334	144	64 ?	92	282	101	12	0	0	0	0	0	4181
9	0	0	0	0	0	33	128	332	531	716	773	936	873	826	686	566	220	132	40	0	0	0	0	0	6793
10	0	0	0	0	0	24	135	320	293	230	486	575	695	423	124	118	201	136	31	0	0	0	0	0	3791
11	0	0	0	0	0	20	122	206	171	129	219	250	289	375	296	345	251	174	41	0	0	0	0	0	2887
12	0	0	0	0	0	9	54	109	163	201	283	439	586	577	814	533	412	214	45	0	0	0	0	0	4438
13	0	0	0	0	0	29	89 ?	?	566	688	907	957	875	676	480	281	423	196	42	0	0	0	0	0	6210 ?
14	0	0	0	0	0	26	140 ?	353	596 ?	719	850	879	941	846	762	574	304	170	30	0	0	0	0	0	7192
15	0	0	0	0	0	20	118 ?	329 ?	494 ?	697	828	905	918	788	625	470	363	168	33	0	0	0	0	0	6755
16	0	0	0	0	0	9	41	173	254	354	538	649	915	622	431	388	199	163	35	0	0	0	0	0	4770
17	0	0	0	0	0	9	47	104	299	302	318	271	277	223	353	243	152	46	10	0	0	0	0	0	2655
18	0	0	0	0	0	22	55	107	364	431	681	809	914 ?	784	580	351	244	88	25	0	0	0	0	0	5454
19	0	0	0	0	0	15	71	277 ?	526	740	739	1009 ?	932	954 ?	750	377	398 ?	171 ?	41	0	0	0	0	0	6999 ?
20	0	0	0	0	0	19	122 ?	194	261	606	794	880	890	664	699	560 ?	70	31 ?	27	0	0	0	0	0	5816 ?
21	0	0	0	0	0	5	35	44	60	190	440	486	741	657	548	425	304	156	27	0	0	0	0	0	4119
22	0	0	0	0	0	4	36	256	508	650	585	534	168	156	385	378	341	155	13	0	0	0	0	0	4167
23	0	0	0	0	0	4	71	263 ?	478	660	796	871 ?	?	698 ?	540	342	154	28	0	0	0	0	0	0	5778 ?
24	0	0	0	0	0	14	101 ?	318 ?	461 ?	663	759	788	827	751	601	387	270	145	27	0	0	0	0	0	6111
25	0	0	0	0	0	15	86 ?	271 ?	?	642	764	851	866	814	697	528	332	145	23	0	0	0	0	0	6036 ?
26	0	0	0	0	0	13	76	305 ?	488	663	796	835	865	811	672	538	350	150	25	0	0	0	0	0	6587
27	0	0	0	0	0	12	105	301	477	504	701	748	803	828	550	245	351	137	24	0	0	0	0	0	5787
28	0	0	0	0	0	7	118	301	495	654	796	773	789	799	707	517	313	122	15	0	0	0	0	0	6407
29	0	0	0	0	0	17	101	283	462	626	661	757	776	676	639	480	310	116	16	0	0	0	0	0	5920
30	0	0	0	0	0	5	76	277	382	583	615	823	451	692	520	98 ?	?	0 ?	0	0	0	0	0	0	4523 ?
31	0	0	0	0	0	1	11 ?	55 ?	112	218	187	133	109	94 ?	?	54 ?	33 ?	5 ?	2	0	0	0	0	0	1015 ?
Avg	0	0	0	0	0	17	97	255	412	555	665	733	740	663	587	409	290	139	29	0	0	0	0	0	5518
S D	0	0	0	0	0	9	40	89	143	190	196	221	250	239	187	166	104	59	17	1	0	0	0	0	1524
S/A	0	0	0	0	0	0.55	0.41	0.35	0.35	0.34	0.3	0.3	0.34	0.36	0.32	0.41	0.36	0.43	0.57	4.24	0	0	0	0	0.28
Min	0	0	0	0	0	1	11	44	60	129	187	133	109	94	64	54	33	0	0	0	0	0	0	0	1015
Max	0	0	0	0	0	36	169	356	596	742	907	1009	969	954	814	654	423	263	81	8	0	0	0	0	7624
n	0	0	0	0	0	232	336	327	341	368	367	368	357	349	349	355	341	345	301	4	0	0	0	0	4742

Daylight Data Recovery: 0.0% missing; 0.0% untested; 5.2% exceed the 15% QC threshold -- 5003 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.

August 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	35	198	330	412	462	522	469	459	422	441	342	307	193	52	0	0	0	0	0	4644
2	0	0	0	0	0	27	171	315	428	496	541	546	540	528	414	419	365	164	35	0	0	0	0	0	4989
3	0	0	0	0	0	30	181	341	437	512	556	573	549	543	314	451	321	249	75	0	0	0	0	0	5132
4	0	0	0	0	0	25	161	337	415	476	536	536	438	401	429	35	0	3	0	0	0	0	0	0	3794
5	0	0	0	0	0	0	86	258	346	357	251	339	490	375	506	511	567	409	140	0	0	0	0	0	4637
6	0	0	0	0	0	187	511	678	751	797	780	798	795	751	754	734	554	369	242	0	0	0	0	0	8701
7	0	0	0	0	0	29	101	141	156	277	172	131	404	509	484	198	34	81	15	0	0	0	0	0	2734
8	0	0	0	0	0	18	117	211	400	469	466	333	49 ?	2	1	0	93	20	0	0	0	0	0	0	2179
9	0	0	0	0	0	54	232	486	592	641	523	651	540	475	427	455	11	20	43	0	0	0	0	0	5148
10	0	0	0	0	0	62	254	350	44	6	36	74	134	7	0	1	19	62	1	0	0	0	0	0	1049
11	0	0	0	0	0	13	91	64	1	0	0	0	2	9	13	34	67	181	77	0	0	0	0	0	552
12	0	0	0	0	0	0	0	0	0	0	2	10	77	188	660	583	661	593	260	0	0	0	0	0	3035
13	0	0	0	0	0	180	426 ?	692 ?	799	728	772	694	590	374	222	162	592	496	208	0	0	0	0	0	6933 ?
14	0	0	0	0	0	155	470 ?	686	775 ?	756	698	589	613	570	607	526	237	352	105	0	0	0	0	0	7139
15	0	0	0	0	0	72	314 ?	504 ?	606 ?	674	663	657	644	488	393	288	412	288	70	0	0	0	0	0	6072 ?
16	0	0	0	0	0	0	2	13	14	23	75	148	343	162	30	117	11	157	63	0	0	0	0	0	1159
17	0	0	0	0	0	0	1	0	55	42	20	2	2	1	9	14	6	0	0	0	0	0	0	0	152
18	0	0	0	0	0	0	1	1	73	26	240	305	659	344	205	24	98	6	21	0	0	0	0	0	2002
19	0	0	0	0	0	0	2	230 ?	674	744	620	684 ?	581	594	577	262	599 ?	383 ?	188	0	0	0	0	0	6138 ?
20	0	0	0	0	0	10	124 ?	25	4	385	519	485	487 ?	284	383	394 ?	2	0	3	0	0	0	0	0	3105
21	0	0	0	0	0	0	0	0	0	2	6	34	146	246	233	208	189	205	41	0	0	0	0	0	1311
22	0	0	0	0	0	0	0	179	542	362	123	105	0	0	41	123	359	293	19	0	0	0	0	0	2146
23	0	0	0	0	0	0	11	228 ?	452	511	523	508	483	?	513	488	437	333	99	0	0	0	0	0	4585 ?
24	0	0	0	0	0	2	155 ?	436 ?	387 ?	474	389	352	383	307	226	157	157	196	41	0	0	0	0	0	3663
25	0	0	0	0	0	18	178 ?	367 ?	?	516	533	661	677	666	654	609	494	336	70	0	0	0	0	0	5777 ?
26	0	0	0	0	0	4	191	512	621	696	728	643	678	649	538	612	478	320	74	0	0	0	0	0	6744
27	0	0	0	0	0	17	260	429	262	167	384	477	539	671	414	44	342	306	90	0	0	0	0	0	4403
28	0	0	0	0	0	4	299	531	641	687	702	539	516	614	623	561	443	236	26	0	0	0	0	0	6421
29	0	0	0	0	0	11	163	381	531	582	422	312	439	407	482	412	412	223	30	0	0	0	0	0	4807
30	0	0	0	0	0	0	11	277	239	375	335	531	200 ?	360	203	0	0	0	0	0	0	0	0	0	2532
31	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	1	2	0	0	0	0	0	7
Avg	0	0	0	0	0	31	152	290	355	395	391	393	402	365	348	283	267	209	68	0	0	0	0	0	3926
S D	0	0	0	0	0	51	144	215	267	270	260	250	239	232	230	230	223	162	72	0	0	0	0	0	2269
S/A	0	0	0	0	0	1.67	0.95	0.74	0.75	0.68	0.66	0.64	0.6	0.64	0.66	0.81	0.83	0.78	1.06	0	0	0	0	0	0.58
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	7
Max	0	0	0	0	0	187	511	692	799	797	780	798	795	751	754	734	661	593	260	0	0	0	0	0	8701
n	0	0	0	0	0	232	340	337	340	367	367	368	360	355	366	367	362	364	302	4	0	0	0	0	4833

Daylight Data Recovery: 0.0% missing; 0.0% untested; 3.4% exceed the 15% QC threshold -- 5003 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

August 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	25	92	175	248	300	330	380	420	358	331	338	254	214	78	8	0	0	0	0	3550
2	0	0	0	0	0	23	94	176	239	286	315	333	336	318	318	267	196	104	26	2	0	0	0	0	3034
3	0	0	0	0	0	24	91	170	235	277	300	306	312	296	318	251	191	113	34	0	0	0	0	0	2916
4	0	0	0	0	0	22	91	169	242	294	306	325	373	367	285	253	166	86	3	1	0	0	0	0	2982
5	0	0	0	0	0	10	88	185	282	374	402	403	391	328	242	200	126	89	32	0	0	0	0	0	3150
6	0	0	0	0	0	21	49	65	85	105	116	107	104	130	106	122	88	70	22	0	0	0	0	0	1191
7	0	0	0	0	0	24	132	257	313	431	451	467	392	291	287	210	112	100	29	0	0	0	0	0	3495
8	0	0	0	0	0	32	108	172	251	311	355	447	297	136	60	83	234	96	12	0	0	0	0	0	2593
9	0	0	0	0	0	34	81	127	166	212	286	250	272	322	283	227	215	125	36	0	0	0	0	0	2636
10	0	0	0	0	0	21	98	183	275	228	457	497	546	422	117	118	193	122	31	0	0	0	0	0	3309
11	0	0	0	0	0	20	118	186	171	129	219	250	289	371	288	324	220	121	30	0	0	0	0	0	2735
12	0	0	0	0	0	9	54	109	163	201	283	437	503	367	189	98	74	45	15	0	0	0	0	0	2545
13	0	0	0	0	0	30	83 ?	51 ?	99	109	168	199	206	266	263	164	126	61	20	0	0	0	0	0	1847 ?
14	0	0	0	0	0	28	75 ?	66 ?	154 ?	124	184	231	237	215	180	180	194	72	19	0	0	0	0	0	1959 ?
15	0	0	0	0	0	23	80 ?	102 ?	?	199	192	183	170	241	241	255	154	89	25	0	0	0	0	0	1954 ?
16	0	0	0	0	0	9	41	173	254	346	472	492	507	437	403	306	195	130	29	0	0	0	0	0	3793
17	0	0	0	0	0	9	47	104	278	268	304	271	277	223	351	236	138	46	11	0	0	0	0	0	2563
18	0	0	0	0	0	22	55	107	349	430	499	488	164	394	366	336	203	86	25	0	0	0	0	0	3525
19	0	0	0	0	0	16	71	176 ?	?	?	277 ?	421 ?	279	289	172	221	?	76 ?	41	0	0	0	0	0	2040 ?
20	0	0	0	0	0	22	110 ?	188	261	405 ?	?	?	492 ?	406	405	401 ?	70	29 ?	27	0	0	0	0	0	2817 ?
21	0	0	0	0	0	5	35	44	60	190	440	485	623 ?	417 ?	332 ?	267	216	100	24	0	0	0	0	0	3238 ?
22	0	0	0	0	0	4	36	189	181	365	456	412	168	156	351	287	157	78	11	0	0	0	0	0	2851
23	0	0	0	0	0	4	69	212 ?	230	253	270	277	276	?	184	160	121	71	20	0	0	0	0	0	2146 ?
24	0	0	0	0	0	16	82 ?	129 ?	285 ?	294	371	372	341	380	366	259	191	99	24	0	0	0	0	0	3208 ?
25	0	0	0	0	0	18	72 ?	120 ?	?	288	237	230	222	212	181	148	117	69	19	0	0	0	0	0	1933 ?
26	0	0	0	0	0	12	51	99	129	147	158	219	205	216	239	154	141	79	20	0	0	0	0	0	1868
27	0	0	0	0	0	14	58	142	300	388	341	294	287	225	213	220	214	69	18	0	0	0	0	0	2784
28	0	0	0	0	0	8	58	95	120	138	180	256	285	240	219	168	122	71	14	0	0	0	0	0	1974
29	0	0	0	0	0	19	73	137	145	182	283	454	358	312	270	232	137	70	14	0	0	0	0	0	2686
30	0	0	0	0	0	5	75	169	254	302	291	321	315	378	361	86 ?	?	0 ?	0	0	0	0	0	0	2558 ?
31	0	0	0	0	0	1	12	43	112	218	187	133	109	69	37 ?	47	26	10	3	0	0	0	0	0	1007
Avg	0	0	0	0	0	17	74	139	210	260	304	331	315	293	257	214	158	83	23	0	0	0	0	0	2609
S D	0	0	0	0	0	9	27	53	77	97	105	113	127	96	97	84	55	39	14	1	0	0	0	0	683
S/A	0	0	0	0	0	0.52	0.36	0.38	0.37	0.37	0.34	0.34	0.4	0.33	0.38	0.4	0.35	0.47	0.61	4.26	0	0	0	0	0.26
Min	0	0	0	0	0	1	12	43	60	105	116	107	104	69	37	47	26	0	0	0	0	0	0	0	1007
Max	0	0	0	0	0	34	132	257	349	431	499	497	623	437	405	401	254	214	78	8	0	0	0	0	3793
n	0	0	0	0	0	214	339	313	323	346	346	356	358	353	358	360	347	353	302	4	0	0	0	0	4674

Daylight Data Recovery: 0.0% missing; 0.0% untested; 6.6% exceed the 15% QC threshold -- 5003 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

August 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	26.3	25.8	25.3	25.1	24.8	24.9	26	27.2	29.5	30.7	31.8	33.3	34.2	34	34.6	34.3	34.1	33.6	32.9	31.7	30.8	29.9	29.3	28.8	29.9
2	28.4	28	27.8	27.4	27	26.7	27	28	29.6	30.8	32.1	33.6	34.5	34.8	34.9	35	34.8	33.8	32.8	31.7	30.8	29.9	29.2	28.4	30.7
3	27.7	27.4	27	26.8	26.6	26.5	26.9	27.9	29.1	30.5	31.6	33	33.8	34.1	34.6	34.6	34.4	34	32.9	31.7	30.8	30.3	29.9	29.5	30.5
4	29	28.6	28.2	27.8	27.5	27.2	27.4	28.4	29.7	31.1	32.4	33.6	34.1	34.8	35.3	34.3	32.6	30	25.8	24.2	24.3	25	24.9	24.5	29.2
5	24.6	25.1	25.5	25.4	25.5	25.5	25.6	27.2	28.7	29.4	29.5	29.7	30.2	30.4	30.5	30.4	29.9	29.3	28.1	26.9	26.3	25.7	25.3	24.7	27.5
6	24.2	23.9	23	22.8	23.2	22.6	24	26	27.4	28.7	29.9	30.3	30.8	30.8	30.8	30.5	30	29.1	28.1	26.8	26.2	25.3	24.6	24.4	26.8
7	24.4	23.1	22.9	23	22.2	22.6	23.8	26.1	26.8	28	28.8	29.4	30.2	31.1	31.6	31.5	30.5	30.5	30	28.9	27.9	26.3	26	25.9	27.1
8	25.6	25.4	25.5	25.3	24.8	24.5	25	25.8	27.7	29.6	31.2	32.7	32.3	26.7	23.8	23.9	24.8	25.4	25.4	24.7	24.7	24.8	24.7	24.5	26.2
9	25	25	25	25.1	24.6	23.8	24.1	25.6	27.2	28.4	29.3	29.6	30.2	30.1	30.2	29.9	28.7	27.7	27	26.2	25.6	25.1	24.1	23.8	26.7
10	22.8	22.8	22.4	22.6	22.3	21.5	23.4	25.5	26.3	26.7	27.2	27.9	28.5	28.5	27.8	27.5	28.1	28.1	27.2	26.5	25.9	25.6	25.3	24.5	25.6
11	23.8	23	22.7	22.2	21.7	21.6	22.2	23.8	24.6	24.6	24.4	24.3	24.4	25.6	25.7	25.6	25.2	24.7	24.1	23.3	22.9	22.8	22.5	22.2	23.7
12	22.1	22	22.3	22.2	22.2	22	21.9	22.3	22.8	23.2	23.7	24.5	25.2	25.2	25.9	25.9	25.5	25.1	24	22.4	22	21	20.3	19.9	23.1
13	18.2	17.3	17.3	16.8	16.7	16.8	18.4	21.5	24	25.1	25.9	26.5	27	27.1	26.9	26	26.1	25.3	24.4	23.2	22.6	22.2	21.1	20.5	22.4
14	20.1	19.6	19.2	18.9	18.6	18.6	20.1	22.6	24.4	25.4	26.3	27.2	27.7	28.4	28.9	29	28.6	28.4	27	25.4	24.3	23.9	23.7	23.6	24.2
15	23.3	23.1	22.9	22.5	22.3	22.5	23.4	24.7	25.8	26.9	27.8	28.8	29.6	30.4	30.4	30.5	30.6	29.2	27.7	26.5	25.5	25	24.8	24.8	26.2
16	24.6	23.2	22.6	22.7	22.5	22.7	22.8	23.9	25.2	25.7	26.9	27.1	28	27.8	27.2	26.9	26.2	26	25.4	24.2	23.5	23.2	23.4	23	24.8
17	22.8	22.8	22.6	22.4	22.5	22.7	23.2	23.8	24.6	25.7	25.7	25.8	25.5	25.4	25.7	25.4	25.3	24.3	23.7	23.4	23.5	23.7	23.8	23.7	24.1
18	23.8	23.8	23.8	23.6	23.5	23.2	23.6	24.4	25.8	26.9	27.8	28.5	29	28.9	28.9	28.4	27.7	26.7	25.7	25	24.5	24.4	24.1	24	25.7
19	24	23.8	23.5	23.5	23.4	22.8	22.4	23.5	26.2	27.9	29	29.6	30	30.3	29.8	29	28.7	27.7	26.7	25.8	25.2	24.9	24.7	24.6	26.1
20	24.7	24.5	24.2	24	23.8	23.8	24.3	25.5	25.9	27.2	28.8	29.8	30.7	31.2	32	32.2	30.9	28.9	25.7	25.5	25.9	26.6	26.7	26.7	27.1
21	26.3	26	25.6	25.2	25.1	24.6	24.5	24.7	24.9	25.2	26	26.2	27.3	27.8	27.8	27.9	27.6	26.5	25.4	24.8	24.5	24.2	24.4	24.4	25.7
22	24.2	24.1	23.9	23.6	23.5	23.4	23.4	24	25	26.1	26.4	27.3	26.8	25.6	23.7	25.2	25.8	25.4	24.4	23.7	23.2	23.3	23.4	23.2	24.5
23	22.6	22.7	22.8	23.1	23.2	23.3	23.4	24.7	25.9	27	27.8	28.2	28.4	28.6	28.7	28.7	28.4	27.5	25.9	24.8	24.3	23.6	22.9	21.9	25.4
24	21.6	21.4	20.9	20.5	20	19.7	20.5	23.9	26.3	27.8	29	29.7	30.3	30.1	29.7	28.4	27.4	26.9	25.8	24.9	24.6	23.8	22.8	22.2	24.9
25	21.5	21.1	20.7	20.4	20.5	20.2	20.8	23.3	25	26.8	28	29.4	30.3	30.8	30.9	31	30.1	29	28.1	26.8	25.6	24.9	24.4	23.8	25.6
26	23.7	23.3	22.6	22.3	22	21.7	21.9	23.5	25.5	27.4	28.8	29.8	30.9	31	31.3	30.8	30	28.7	27.3	26.2	25.2	24.4	24.3	24.3	26.1
27	24.2	24.1	24.1	24	23.4	23.3	24.1	26.1	27	27.9	28.3	29.1	29.6	30	30	29.1	29.1	28.5	27.1	26.1	25.5	25.2	25.1	24.9	26.5
28	24.6	24.3	24.1	24	23.8	23.6	24.3	25.6	27.1	28.3	29.8	30.8	31.5	32.6	33.1	32.8	32.4	31.6	30	28.8	28.2	27.4	26.9	26.5	28
29	26	25.5	25.2	25	24.8	24.6	25	26.2	27.6	29.2	30.1	31.1	32.3	32.6	33.1	33.4	33.5	32.7	31.4	30.2	29.3	28.9	27.5	23.7	28.7
30	23.6	23.9	23.7	24.5	25	25.3	25.7	26.5	27.6	28.8	29.6	31.5	31.6	29.6	29.5	27.2	25.1	22.8	22.2	22.6	22.7	22.5	22.4	22.4	25.7
31	22.9	23.4	23.7	23.9	24	23.8	23.6	23.6	24.2	24.4	24.5	23.8	23.6	23.5	23.3	23.1	23	23.4	23.7	23.2	22.9	22.8	23	23.3	23.5
Avg	24.1	23.8	23.6	23.4	23.3	23.1	23.6	25	26.4	27.5	28.3	29.1	29.6	29.6	29.6	29.3	28.9	28.1	27	26	25.5	25	24.7	24.3	26.2
S D	2.2	2.3	2.3	2.3	2.3	2.2	2	1.7	1.8	2	2.3	2.7	2.8	2.9	3.3	3.2	3.1	3	2.8	2.6	2.4	2.3	2.2	2.1	2.1
S/A	0.09	0.1	0.1	0.1	0.1	0.1	0.09	0.07	0.07	0.07	0.08	0.09	0.1	0.1	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.09	0.09	0.09	0.08
Min	18.2	17.3	17.3	16.8	16.7	16.8	18.4	21.5	22.8	23.2	23.7	23.8	23.6	23.5	23.3	23.1	23	22.8	22.2	22.4	22	21	20.3	19.9	22.4
Max	29	28.6	28.2	27.8	27.5	27.2	27.4	28.4	29.7	31.1	32.4	33.6	34.5	34.8	35.3	35	34.8	34	32.9	31.7	30.8	30.3	29.9	29.5	30.7
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.

Prepared by: Afshin M. Andreas, NREL

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

August 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	102.6	103.7	104.2	104.5	104.7 ?	104.4 ?	102.1	99.2	92.1	88.3	82.7	77	74.1	73.6	69.7	73.3	73.8	76.2	81.4	87.2	91.9	96.7	99.7	101.6	90.2
2	103.1	104.1	103.4	103	103.2	103.8	102.5	99	93.8	89.7	85.2	80	73.2	69.5	69.7	71.4	72.9	77.2	84.2	88.3	91.9	98.9	96.7	94.9	90
3	98	101	102.2	103.1	103.5	103.8	103.3	100.5	97	92.3	88.2	84.4	80.4	77.5	77.5	76	77.9	80.9	84.9	90.3	93.9	96.1	98.5	100.6	92.2
4	101.3	101.1	101	101.2	101.5	102.7	102.7	100.1	96.2	89.3	82.8	78.9	77.3	69.5	65.4	73.6	83.9	88.4	95.3	104 ?	?	104.3	104.3	?	92 ?
5	?	103.8	104.4	104.8 ?	102	100	100.1	95.8	87.7	85	84.8	84.4	82.2	79.8	74.4	72.3	69.6	76	83.1	87.5	89.5	94.2	98.1	99.6	89.5
6	102	103.2	104.3 ?	?	?	?	102 ?	96.6	89.2	76	55.8	54.8	48.9	51.9	52.7	59.2	68.6	75.1	80.4	86.7	89.2	94.2	97	97.3	80.2 ?
7	95.8	99.8	100.8	101.1	104.3	103.7	101.9	92.6	90.5	85.5	81.8	81.9	79.8	78.2	77.4	78.8	84	85.9	88.9	92	90	92.5	97.3	100.7	91.1
8	104.1 ?	?	104.8 ?	104.2	104.6 ?	104.8 ?	102.9	99.8	93.9	87	80.9	75.4	77.9	97.4	104 ?	104.3 ?	102.5	101.1	101.2	104.2	104.6	104.7	105 ?	?	98.6 ?
9	104.2 ?	103.1	100.4	97.1	97.1	100.4	99.4	92.9	85.9	77.9	69.6	63.3	55.7	57.7	56.6	58.4	66.2	73.2	75.1	77.7	82.4	86.5	92.2	92.8	81.9
10	94.5	94.3	97.5	95.4	95.7	99.7	93.4	87	85.9	85.4	83.1	81	75.6	74.1	78.9	82.7	78.8	78.3	86.1	94.9	98.7	101.5	103.2	?	88.9
11	?	?	105 ?	?	?	?	104.5 ?	101.6	100.1	101.3	100.5	100	99.5	93.2	93.3	91.9	92.3	91.5	90.6	90.9	90.3	87.7	86.2	83.3	94.9 ?
12	81.7	81	77.7	75.7	72.6	73	75.4	77.2	77.8	76.3	73.6	68.9	66	65.1	62.8	60.8	62.7	64.3	70.9	78.3	82.6	88.4	90.7	95.4	75
13	101.2	103.7	104 ?	?	104.9 ?	103.9	99	87.3	74.6	64.5	58.1	55.6	55.8	57.6	57.6	61.3	60.2	64.7	69	70.8	73.2	73.8	82.9	88	77
14	90.1	93.2	96.1	98.7	100.9	102.6	99	92.9	81.2	76.8	71.9	70	68.4	63.4	61.2	63.1	66.9	69.8	75.6	81.7	85.5	87.9	92	93.8	82.6
15	95.2	96.6	98	98.6	99.4	98	96.4	92.4	86.6	83.3	81.2	78.4	75.7	75.1	75	74.9	75.5	81.6	85.4	89.4	91.5	92.2	91.9	92.8	87.7
16	92.4	98.1	103.5	104.2 ?	?	?	?	102.5 ?	98.2	97	92.5	92.6	86.6	86.1	86.6	81.8	83.7	90.8	95.3	98.8	102.8	104.7 ?	?	?	94.6 ?
17	?	?	?	?	?	?	?	104.8 ?	101.5	97.8	96.5	95.3	96.6	97.4	97.6	100.5	100.8	104.3	?	?	?	?	?	?	99.4 ?
18	?	?	?	?	105 ?	?	103.2 ?	103.9	102.4	95.9	89.2	85.5	82.1	82.1	79.7	83.1	84.9	90.4	97.1	100.1	102.1	102.3	103.6	104.6	94.6 ?
19	104.6	?	?	?	?	?	?	98.6	87	77.1	76	74.9	74.3	78.3	78.7	82.4	87.7	91.2	96.2	99.3	100.2	101.4	102.5	88.9 ?	
20	102	101.6	102.2	103.3	103.8	104.8	104	101	99.9	96.9	90.7	86.6	80.9	78.3	74.7	73.8	78.7	87.8	98.5	100.8	99.4	101.2	101.7	101.2	94.7
21	101.4	101.2	101.7	103	101.9	100.5	102.5	103.7	98.6	87	80.7	79.8	75.4	74.5	76.8	78.7	83.4	88.8	91.2	93.9	96.5	98.1	97.1	98.5	92.3
22	101.6	104.6	104.3	104.7 ?	?	?	?	103.4	97.9	90.6	86.4	83.4	85.1	95.3	90	78.9	78.8	82.8	90.7	97.3	100.9	101.8	101	98	94.2 ?
23	100.7	102.9	103.6	103.8	102.2	99.5	99.6	96.7	90.3	79	69.9	69.3	70	68.8	68.4	67.4	67.8	71.5	82	89.3	94	96.8	99	102.3	87.3
24	103.3	104.4 ?	?	?	?	?	?	97.1	78.7	69.5	64.6	63.2	61.2	61.1	64.1	73.8	74.6	76.1	80.5	87.4	91.3	94.3	97.3	101.3	81.3 ?
25	103.3	104.4	?	?	?	?	?	100.5 ?	98.6	85.2	75.6	68.8	61	57	49.7	60.6	68.8	77.3	80.2	79.7	85.6	95.1	99.5	102.2	81.7 ?
26	102.9	103.7	?	?	?	?	?	101.7	94.3	85.2	77.2	71.9	70.6	68.6	58.4	61.4	71.4	72.6	76.6	83	90.8	98.8	101.2	101.6	83.8 ?
27	102.6	102.7	100.8	101.2	103.1	104.4	103.7 ?	98.5	91.3	85.7	84.9	78.8	76.5	72.7	72.9	75.8	77.5	81.6	88.6	92.2	94.8	97.1	99	100.4	91.1
28	101.8	103.5	104.8 ?	?	?	?	?	103.2 ?	96.4	91.9	85	76.3	72.1	66	64.6	66.4	68.4	72.3	77.3	82.4	85	95.3	99	100.9	85.6 ?
29	102.3	102.8	103.6	104	104.5	104.8	103.9	100.8	96.5	89.1	84.5	81.1	77	75.5	73.1	72.2	73	75.5	81.8	89	98	99.1	95.8	103.5	91.3
30	104.2 ?	?	103.4	104.7	?	?	?	104 ?	100.6	93.3	88.8	79.5	81.3	90.9	91.9	99	?	?	?	?	?	?	?	?	95.1 ?
31	?	?	?	?	?	?	?	?	?	104.6 ?	103.8	104.9	?	?	?	?	?	104.7 ?	103.5	104.3	104.9 ?	104.9 ?	?	?	104.4 ?
Avg	99.9	100.8	101.3	100.8	100.8	100.8	100.1	97.8	92.5	86.9	81.5	78.3	74.7	74.4	73.4	75.1	76.9	81.6	85.7	90.3	92.9	96.2	97.5	98.2	89.4 ?
SD	5.4	5.3	5.6	6.5	7.3	7.3	6.3	6.2	7.5	8.9	10.9	11.3	11	12.2	13.3	12.1	10.1	10.5	8.8	8.5	7.5	6.8	5.3	5.2	6.7
S/A	0.05	0.05	0.06	0.06	0.07	0.07	0.06	0.06	0.08	0.1	0.13	0.14	0.15	0.16	0.18	0.16	0.13	0.13	0.1	0.09	0.08	0.07	0.05	0.05	0.07
Min	81.7	81	77.7	75.7	72.6	73	75.4	77.2	74.6	64.5	55.8	54.8	48.9	51.9	49.7	58.4	60.2	64.3	69	70.8	73.2	73.8	82.9	83.3	75
Max	104.6	104.6	105	104.8	105	104.8	104.5	104.8	102.4	104.6	103.8	104.9	99.5	97.4	104	104.3	102.5	104.7	103.5	104.3	104.9	104.9	105	104.6	104.4
n	294	282	248	218	200	201	223	322	358	367	372	372	360	360	357	349	346	352	348	345	332	334	312	288	7545

Data Recovery: 0.0% missing; 0.0% untested; 15.5% 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

August 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	26.4	25.8	25.3	24.9	24.5	24.3	24.9	27.2	30.6	34.2	36.4	37.9	39.3	39.9	39.7	39.7	39.6	38.6	36.9	34.7	32.6	31	29.9	29.1	32.2
2	28.5	28.1	27.8	27.5	27.1	26.7	26.9	28.4	30.7	33.5	35.7	37.7	39.1	39.4	39.5	39.7	39.7	38.7	36.2	33.9	32.1	30.8	30	29.2	32.8
3	28.4	27.9	27.4	27.1	26.8	26.5	26.8	28.3	30.5	33	35.2	36.9	38.1	38.3	38.6	38.8	38.7	38.1	36.6	34.2	32.1	30.8	30.1	29.7	32.4
4	29.3	28.9	28.6	28.2	27.8	27.4	27.5	29	31.2	33.6	36.3	37.9	38.8	39.2	39.9	39.7	37.5	35.1	31.2	26.9	25	24.6	24.6	24.5	31.4
5	24.5	24.6	24.9	25.1	25.3	25.4	25.7	26.9	29.5	31.7	33.5	34	34.4	34.8	34.9	35.2	35	34.2	32.5	29.6	27.1	25.7	24.7	24.2	29.3
6	23.6	23.1	22.7	22.1	22.1	22.2	22.6	24.8	28.1	30.8	33.1	34.7	35	35.1	35.4	35.8	36.3	34.7	32.4	29.5	26.8	25.1	23.9	23	28.5
7	22.7	22.4	21.9	21.5	21.5	21.5	22.2	25	27.8	30.1	32.3	33.5	34.2	34.9	35.7	36	34.5	33.1	32.4	30.8	29.4	28.1	26.9	26.3	28.5
8	25.8	25.5	25.4	25.3	25.1	24.7	25	26.2	28.4	31.8	35	37.3	38.7	33.8	27.9	25.2	24.8	25.4	25.7	25.5	25	24.8	24.7	24.4	27.5
9	24.4	24.7	24.9	24.9	24.7	24.2	24.1	25.6	28.2	31	33.5	34.6	35.1	35.2	35.4	35.4	34.5	31.9	29.7	27.8	25.9	24.7	23.6	22.6	28.6
10	21.9	21.5	21.3	20.9	20.7	20.3	20.8	24.1	27.6	28.7	29.4	30.9	32.1	32.6	31.7	29.6	29.2	29.8	29.4	28.1	27	26.1	25.5	25.2	26.4
11	24.8	23.9	23.1	22.4	21.9	21.7	21.9	23.3	24.8	25.6	25.4	25.2	25.2	26.2	27.6	28	27.9	27.5	26.5	24.8	23.4	22.8	22.5	22.2	24.5
12	21.9	21.7	21.7	21.8	21.8	21.7	21.6	22	22.7	23.6	24.5	25.7	27.1	28.2	28.8	29.9	30.1	29.6	28.1	24.9	22.1	20.5	18.9	18	24
13	17.3	16.5	16	15.8	15.6	15.4	16.2	18.9	23.3	27	29.3	31	32	32.3	32.2	31.1	29.9	29.9	28.2	25.3	22.9	21.8	21	19.7	23.7
14	18.7	17.7	17.2	16.9	16.9	16.8	17.8	21.2	25	27.8	29.9	31.6	32.2	32.4	32.8	33.4	33.3	32.7	31	28	25.6	24.2	23.5	23	25.4
15	22.8	22.6	22.4	22.2	22	21.8	22.4	24.7	27.1	29.3	31	32.2	33	33.5	34.1	34.5	34.7	34.3	31.9	29.1	27.1	25.9	25.1	24.9	27.9
16	24.9	24.6	23.3	22.7	22.6	22.6	22.6	23.1	24.4	26.4	28.4	30.3	31.5	32.4	31.9	31	30.3	28.9	28.1	26.2	24.6	23.6	23.3	23.2	26.3
17	22.9	22.8	22.6	22.5	22.5	22.6	22.9	23.7	24.3	26.2	27.4	28	27.9	27.9	27.5	27.8	27.8	26.2	24.8	24.1	23.7	23.7	23.8	23.8	24.9
18	23.7	23.7	23.7	23.7	23.5	23.3	23.4	24	25.4	28.1	30	32.2	33.3	33.7	33.6	33	32	30.5	28.4	26.6	25.3	24.6	24.1	23.8	27.2
19	23.9	23.8	23.5	23.3	23.3	23	22.9	23.4	26.3	30.3	33.6	35.3	36.2	36.2	36.1	34.7	33.6	32.8	30.9	28.1	26.2	25.2	24.7	24.2	28.4
20	24.1	24	23.9	23.7	23.6	23.7	24	25.5	26.7	28	30.5	32.5	33.7	34.1	34.8	35.6	35	32.5	28.7	25.8	25.2	25.6	26.2	26.5	28.1
21	26.6	26.5	26.2	25.8	25.6	25.4	25	25.1	25.4	25.8	27.3	29	30.6	32.4	32.9	33	32.8	32.1	29.6	27	25.4	24.6	24.4	24.5	27.6
22	24.5	24.4	24.4	24.2	23.9	23.8	23.7	24.2	26.3	29.1	30.8	31.7	31.3	29.5	27	26.6	28.4	28.9	27.5	25	23.5	22.7	22.8	22.7	26.1
23	22.3	22	22.2	22.4	22.7	22.9	22.9	23.9	26.6	29.3	31.3	32.7	33.3	33.3	33.4	33.6	33.5	32.4	30.1	26.9	24.9	23.6	22.3	21.2	27.1
24	20.4	20.1	20	19.7	19.5	19.4	19.5	21.5	25.1	29.1	32.7	34.8	35.7	35.9	35.6	34.2	32.1	30.5	28.8	26.3	24.8	23.8	22.7	21.8	26.4
25	21	20.3	19.9	19.8	19.6	19.5	19.9	21.7	24.7	28.5	31.8	34.1	35.4	35.7	35.8	35.9	35.7	34.1	31.7	28.9	26.7	25.2	24.3	23.5	27.2
26	22.9	22.6	22.4	22.1	21.8	21.6	21.6	22.7	25.6	29.4	32.8	34.8	35.9	36.1	36.1	36	35.6	33.9	31.1	28.1	26.1	24.7	23.8	23.4	28
27	23.3	23.1	23	22.8	22.7	22.2	22.5	24.8	27.7	30.1	31.4	33.1	33.7	33.9	34.3	33.2	32.1	32.1	30.5	27.9	26.1	25.2	24.9	24.6	27.7
28	24.3	23.9	23.6	23.5	23.4	23.3	23.6	25.5	28.4	31.1	33.4	35	35.6	36.1	37.2	37.7	37.1	35.9	33.6	30.8	29.1	28	27.2	26.7	29.8
29	26.3	25.8	25.5	25.1	24.9	24.6	24.8	26.2	28.3	30.8	32.8	33.9	35.1	36	36.1	36.7	37	36.6	34.7	32.2	30.6	29.6	29.1	26.7	30.4
30	24.6	24.1	24	23.7	24.1	24.6	25.1	26.3	28.7	31	32.8	34.9	37.3	35.7	34.8	32.8	28.8	26	23.9	23.2	23	22.8	22.5	22.5	27.4
31	22.6	23	23.3	23.5	23.8	23.9	23.8	23.7	24	24.3	24.8	24.9	24.3	24	23.8	23.6	23.5	23.4	23.3	23.3	23	22.8	22.8	23.1	23.6
Avg	23.8	23.5	23.3	23.1	22.9	22.8	23	24.5	26.9	29.3	31.4	32.8	33.7	33.8	33.7	33.5	32.9	31.9	30.1	27.9	26.2	25.3	24.6	24.1	27.7
S D	2.6	2.7	2.7	2.7	2.7	2.6	2.5	2.2	2.3	2.7	3.2	3.5	3.8	3.7	4	4.2	4.1	3.9	3.4	3	2.8	2.6	2.6	2.6	2.4
S/A	0.11	0.11	0.12	0.12	0.12	0.12	0.11	0.09	0.08	0.09	0.1	0.11	0.11	0.11	0.12	0.13	0.12	0.12	0.11	0.11	0.11	0.1	0.11	0.11	0.09
Min	17.3	16.5	16	15.8	15.6	15.4	16.2	18.9	22.7	23.6	24.5	24.9	24.3	24	23.8	23.6	23.5	23.4	23.3	23.2	22.1	20.5	18.9	18	23.6
Max	29.3	28.9	28.6	28.2	27.8	27.4	27.5	29	31.2	34.2	36.4	37.9	39.3	39.9	39.9	39.7	39.7	38.7	36.9	34.7	32.6	31	30.1	29.7	32.8
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI 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

August 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	0.2	0.7	0.2	0	0.5	1.3	1.1	0.6	1.3	2	1.7	1.5	2.2	2.3	2.2	2.3	2.3	1.3	1	0.7	0.8	0.8	1.2	1.2
2	0.9	1.1	1.1	0.7	1	1.4	2	2.6	2.2	2.4	2.2	1.8	2.5	3	2.8	2.5	2.3	2.1	0.9	0.9	1.1	1.4	2	2.1	1.8
3	2	2.4	2	1.9	1.4	1.7	2.3	3	2.9	2.5	2.5	2.6	3	3.5	2.7	3.3	2.8	2.1	1.4	1.1	0.8	1	1.3	1.7	2.2
4	1.9	2.3	2.4	2	1.4	1.9	2	2.6	2.5	2	2.2	2.4	2.3	2.3	2.3	2	2.1	3.1	2	1.2	0.4	0.9	0.4	1	1.9
5	1.4	1.4	2.2	2	2.6	2.5	2.4	2.6	3.7	3.3	3.3	3.9	3.7	3.3	3.4	3.4	3.8	2.8	2.3	1.6	1.3	0.7	1.1	0.9	2.5
6	0.8	0.9	0.1	0.6	1.1	0.6	0.6	1.2	2.3	2.5	2.2	2.9	2.7	2.9	2.6	2.3	2.3	2	2	1.2	0.5	0.2	0.2	0.5	1.5
7	0.4	0.6	0	0.4	0.8	0.1	0.7	1.5	2.5	2.6	2.3	2	2.6	2.7	3.2	2.7	1.7	1.3	1.7	2	2.9	1.6	1.5	1.2	1.6
8	1.2	1.1	2.3	2.3	1.7	2.3	2.5	2.7	2	1.6	1.8	1.3	1.3	2.5	5.3	3.1	1.5	0.7	0.8	0.9	0.5	0.7	0.5	0.3	1.7
9	0.8	0.8	1.5	1.2	1	1.2	1.4	1.8	2.2	2.1	2.1	2.4	2.2	2.4	2.4	2.5	2.3	2.2	1.9	1.1	0.7	0.4	0.1	0.2	1.5
10	0.3	0.2	0.1	0.3	0.1	0	0.4	0.9	1.9	1.3	2	2.4	3.4	3.6	2.6	2.5	2	1.9	2.2	2	1.6	1.4	1.6	1.7	1.5
11	1	1.1	0.6	1.2	1.2	1.2	1.3	1.9	2.3	1.8	2.8	2.7	2.4	2.5	4	5.3	4.6	4.7	3.3	3.1	3.1	2.9	2.7	2.2	2.5
12	2.1	1.8	2.3	2.3	2.1	2.1	2.2	1.8	1.9	2.3	2.4	3.4	3.5	3.5	3.6	3.3	3.4	2.9	1.7	1.4	1.1	0.2	0.2	0.3	2.2
13	0.1	0.4	0.5	0.4	0.5	0.6	0.4	1.2	1.5	1.9	2.6	1.8	1.7	1.4	0.9	2.1	2.7	2.6	1.5	1.6	1.6	1.5	0.7	0.6	1.3
14	0.2	0.3	0.2	0.3	0.2	0.5	0.7	1.6	2.2	2.5	2.2	2.3	2.8	2.9	2.7	2.7	1.9	1.7	1.4	1.7	2	2	1.8	1.9	1.6
15	1.8	1.9	1.9	2	2	2.1	2.3	3.1	3.7	3.5	4.1	3.8	3.9	3.4	3.4	3.2	2.7	3.7	2.7	2.8	2.6	2.4	2	1.8	2.8
16	1.8	1.3	0	0.1	0	0	0	0.2	1.3	2.2	2.9	3.7	3.8	3.8	3.3	3.3	2.7	2.6	2.2	2.4	1.9	1.6	2.2	1.5	1.9
17	1.1	1.3	1.5	1.4	2	2.1	2.4	2.8	4.1	3.8	4.6	4.9	4.2	4.6	3.9	3.4	3.5	3.3	2.6	2.5	2	2	2	1.7	2.8
18	1.8	1.1	0.8	1.4	2.1	2	1.3	0.7	1.6	3	3	3.1	3.2	3.8	3.4	3	3.1	3.1	2.5	2.4	1.8	1.6	0.6	1	2.2
19	0.9	1	1.3	0.8	0.4	0.2	0.2	0.4	1.6	1.6	1	1.7	2.4	2.7	3.4	3.2	3.7	3.6	2.9	2.1	1.7	1.9	1.2	1.2	1.7
20	1.4	1.5	1.9	1.8	2.3	1.8	2.6	4.1	3.7	4.1	4.6	4.6	5	4.6	4.5	4.4	3.2	3	2.4	1.5	1.4	2.1	2.7	2.9	3
21	2.9	3.5	3.7	3.6	3.6	1.7	1	0.9	1.6	1.8	1.9	2.2	1.8	1.8	1.6	1.4	1.8	2.2	2.4	2	1.7	1.7	1.6	1.1	2.1
22	1.6	0.6	0.5	0.5	0.7	0.5	1	1.9	2.1	2	2.4	2.2	1.8	1.8	2.5	2.4	3	2.1	1.2	1.1	0.6	0.9	0.6	1	1.4
23	0.2	0.7	0.3	0.9	0.6	1.2	1.5	1.7	2.4	2.8	2.9	2.6	2.9	2.8	2.8	2.6	2.5	2.3	2.1	2	1.1	0.1	0	0	1.6
24	0	0	0	0.1	0.1	0.3	0	0.3	0.7	0.8	1.3	1.5	1.5	2.2	2.7	3.7	3.5	2.3	1.9	1	1	0.5	0.4	0.1	1.1
25	0	0	0.1	0	0	0	0	0.4	1	1	1	1.1	1.6	1.9	2.3	2.1	2.7	2.2	1.1	1.2	1	0.6	0.7	0.3	0.9
26	0.7	0.7	0.7	0.6	1	0.3	0.2	1.3	1.3	0.7	1.1	1.4	1.8	2.6	2.5	2.5	3	3.2	2.1	1.3	1.3	0.5	0.8	0.5	1.3
27	0.3	0.5	0.4	0.4	0	0.2	0	1.4	3.2	2.6	2.3	2.9	3.2	3.6	4	3.1	3.4	3	2.1	1.8	1	1.5	1.3	0.6	1.8
28	0.3	0.1	0.2	0	0	0	1.1	1.9	2.2	2	2.3	2.8	3.1	2.6	2.7	3.4	3.1	2.1	1.2	1.1	1.1	0.6	1.5	1.9	1.5
29	1.9	2.1	2.4	2.3	2.3	2.6	2.7	3.2	3.4	3.9	4.5	4.4	3.9	4.7	4.7	4.2	3.2	2.7	1.6	1.5	2.1	2.4	3.1	1.2	3
30	3.1	1	2.1	1.3	1.1	0.4	1.3	2.2	2.2	2.7	1.5	1.4	2.2	4.4	4.7	4.2	2.5	3.5	2.3	2.8	1	0.8	0.2	0.3	2.1
31	0.8	1.3	1	0.6	1	1.4	1.4	1.5	2.1	3.6	3.6	3.4	3.5	3.8	3.4	4.2	4.2	4.3	4.5	4.9	4.9	5.4	6.2	6.6	3.2
Avg	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.8	2.2	2.3	2.5	2.6	2.8	3	3.1	3	2.8	2.6	2	1.8	1.5	1.4	1.4	1.3	1.9
S D	0.8	0.8	1	0.9	0.9	0.9	0.9	1	0.9	0.9	1	1	0.9	0.9	0.9	0.8	0.7	0.8	0.8	0.8	0.9	1	1.2	1.2	0.6
S/A	0.77	0.74	0.86	0.82	0.83	0.8	0.7	0.54	0.4	0.38	0.39	0.38	0.33	0.29	0.3	0.27	0.26	0.32	0.38	0.47	0.62	0.76	0.9	0.96	0.31
Min	0	0	0	0	0	0	0	0.2	0.6	0.7	1	1.1	1.3	1.4	0.9	1.4	1.5	0.7	0.8	0.9	0.4	0.1	0	0	0.9
Max	3.1	3.5	3.7	3.6	3.6	2.6	2.7	4.1	4.1	4.1	4.6	4.9	5	4.7	5.3	5.3	4.6	4.7	4.5	4.9	4.9	5.4	6.2	6.6	3.2
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

August 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	235	227	226	180	263	225	224	235	241	239	235	243	235	230	220	228	225	228	222	213	204	167	173	207	224
2	213	217	219	212	213	218	224	229	248	248	237	235	250	236	233	230	219	226	199	191	174	198	206	213	225
3	216	223	223	219	210	215	219	223	229	235	223	210	232	223	222	227	227	219	218	215	221	186	188	198	220
4	213	215	216	228	225	225	229	228	239	235	234	248	237	241	240	214	191	353	308	279	30	321	245	277	239
5	289	331	350	1	3	0	2	31	36	40	16	47	52	41	31	47	46	55	51	46	50	48	12	2	29
6	12	20	199	21	3	334	6	2	15	25	18	61	70	63	81	83	70	53	55	69	82	154	142	124	50
7	148	228	157	200	231	225	235	219	222	213	210	189	199	213	226	214	184	184	175	177	225	212	200	224	208
8	206	217	233	225	224	240	256	265	280	294	321	343	304	137	109	83	39	337	3	38	10	27	1	13	257
9	44	46	53	56	18	341	349	11	34	56	66	62	58	65	50	63	53	57	71	86	83	97	123	132	52
10	234	186	135	156	154	76	129	136	142	168	165	138	122	127	102	91	138	128	150	163	153	175	221	259	143
11	288	299	258	284	267	283	310	345	354	4	28	4	344	359	8	28	25	21	34	41	41	40	36	40	12
12	40	45	40	44	48	44	41	15	25	41	46	58	59	60	60	64	61	63	52	53	61	68	29	12	50
13	332	314	323	314	319	315	311	338	352	21	50	48	74	86	159	137	139	125	120	101	100	123	151	154	88
14	173	159	182	209	220	215	223	220	220	227	206	168	166	166	180	176	167	179	171	173	162	165	181	187	184
15	200	201	209	208	208	194	196	208	212	196	201	195	195	181	182	173	178	158	161	156	159	163	181	192	187
16	212	244	183	302	262	95	64	292	346	15	38	34	50	30	42	48	34	21	35	43	5	3	3	353	27
17	13	2	355	345	348	349	1	17	29	33	27	35	26	18	13	15	44	36	26	5	8	22	25	28	20
18	31	30	36	61	63	68	81	60	66	84	81	80	88	96	86	85	66	72	70	68	72	68	48	57	73
19	44	46	51	47	38	326	306	359	55	65	85	118	90	93	105	102	101	114	121	122	138	146	162	173	102
20	196	190	214	206	222	205	216	225	227	231	228	227	229	224	225	223	223	253	213	207	206	205	205	212	221
21	222	221	223	225	232	229	243	258	10	11	7	21	23	23	93	98	122	131	104	105	97	75	92	112	150
22	124	100	40	62	28	27	59	97	86	112	113	99	97	164	140	115	106	114	114	123	101	104	121	133	108
23	121	56	48	77	57	52	57	60	74	83	84	93	101	102	100	96	91	106	97	97	106	121	111	0	88
24	9	9	0	311	307	305	317	357	32	32	42	47	74	89	107	116	118	117	124	123	136	160	208	210	101
25	254	261	168	259	0	149	229	219	177	173	180	138	180	173	155	165	139	125	117	160	164	183	167	172	158
26	173	220	230	233	238	240	249	249	249	204	177	211	89	86	116	126	127	119	123	122	131	130	122	118	140
27	97	130	141	127	0	6	52	109	124	128	139	129	128	138	127	131	141	147	143	140	131	141	138	139	133
28	146	146	155	144	129	176	223	224	226	233	203	230	222	215	207	219	218	216	205	206	189	181	196	197	214
29	203	213	218	222	221	222	222	226	232	225	222	224	219	225	223	221	209	209	203	181	182	199	276	269	221
30	293	131	139	189	194	224	224	228	251	286	276	286	38	66	60	59	31	107	117	74	70	355	279	312	67
31	30	48	47	38	352	359	21	15	31	40	48	45	40	43	46	46	57	57	56	53	53	52	57	60	48
Avg	224	219	220	225	254	266	253	249	284	48	111	98	106	115	116	112	110	104	104	103	110	119	144	163	122
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

August 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	0.5	0.6	1.2	0.5	0.2	0.9	2.2	2.2	1.5	2.6	3.4	3.1	3.2	4.1	3.9	3.7	3.7	3.3	2.2	1.7	1.4	1.8	2	2.2	2.2
2	1.5	1.9	1.9	1.6	1.8	2.3	3.1	4.1	3.9	4	3.7	3.4	4.8	4.8	4.7	3.9	3.8	3	1.7	1.9	2.1	2.4	3.4	3.6	3.1
3	3.4	3.7	3.2	3	2.3	2.6	3.5	4.6	4.5	4.1	4.3	4.5	5.1	5.4	4.8	5	4.1	3.2	2.3	1.8	1.4	2	2.6	3.1	3.5
4	3.3	3.8	3.9	3.1	2.5	3.1	3.2	4	4.2	3.5	3.7	4.2	3.8	3.7	3.8	3.3	4	5.5	4.2	2.3	1.3	1.9	1.1	2.2	3.3
5	2.9	2.9	3.7	3.7	4.5	4.1	4.1	4.8	6.8	5.8	5.8	6.3	6.2	5.7	5.5	6.1	6.1	4.9	4	2.9	2.3	1.4	1.8	1.7	4.3
6	1.6	1.6	0.3	0.9	1.5	1.3	1.4	2.5	3.9	4.3	4	4.9	4.6	5.2	4.4	4	4.1	3.4	3.5	2.3	1.1	0.7	0.5	1.1	2.6
7	0.9	1.2	0.2	0.9	1.2	0.4	1.3	2.6	4.1	4.3	4	3.9	4.7	4.6	5	4.3	3.2	2.5	3.3	3.7	5	2.8	2.7	2	2.9
8	2.2	1.9	3.7	3.5	2.8	3.8	4.2	5	4.3	3.6	3.7	3.1	2.5	4.8	8.8	5.3	3.1	1.7	1.7	1.9	1.3	1.5	1.3	0.6	3.2
9	1.7	1.7	2.6	2.3	1.7	2.1	2.8	3.2	3.7	3.6	3.9	4.2	4.2	4.4	4.1	4.3	3.8	3.9	3	1.8	1.4	0.9	0.5	0.6	2.8
10	0.7	0.7	0.3	0.8	0.3	0.1	1.1	1.6	3.2	2.4	3.6	4.1	5.5	5.4	4.3	4.1	3.2	3.2	3.8	3.7	2.9	2.7	2.7	3.3	2.7
11	2.3	2.5	1.5	2.3	2.3	2.6	2.9	3.6	4	3.4	5	4.6	4.1	4.6	7.1	8.9	8.2	8.1	5.8	5.2	5.4	5.2	4.6	4	4.5
12	3.7	3.2	4.3	4	3.8	3.5	3.8	3.3	3.7	4.2	4.3	6	6	5.9	6	5.6	5.5	4.8	3.3	2.3	1.9	0.6	0.7	0.7	3.8
13	0.3	0.8	0.9	1.1	1.1	1.1	1.2	2.1	3	3.6	5.1	3.5	3.4	2.9	2.3	3.3	4.3	4	2.5	2.4	2.5	2.3	1.2	1.1	2.3
14	0.6	0.9	0.8	1	0.7	1	1.3	2.7	3.7	4.4	3.9	4.2	5.3	5.4	4.9	5.1	3.7	3.4	2.8	3.3	3.7	3.6	3.7	3.7	3.1
15	3.5	3.5	3.2	3.7	3.4	3.7	4.2	5.7	6.4	6.2	7.2	6.6	7	6.3	6.4	5.9	5.1	6.3	4.9	4.8	4.5	4.4	4	3.7	5
16	3.1	2.3	0.2	0.5	0.3	0.2	0.1	1.1	2.6	3.9	5.3	6.5	6.3	6.5	5.4	5.3	4.5	4.5	4	4.1	3.2	3	4.2	2.8	3.3
17	2.1	2.2	2.6	2.5	3.1	3.7	4.5	4.9	7.3	7.1	8	8.3	7.7	7.8	7.2	6.1	6.2	6	4.9	4.6	3.8	3.9	3.7	3.4	5.1
18	3.4	2.5	2.1	2.9	3.9	3.6	2.7	2	3.2	4.9	4.8	5.4	5.4	6	5.4	4.7	5.2	5.2	4.1	4.1	3.1	2.7	1.3	1.8	3.8
19	1.7	1.7	2.3	1.6	1	0.6	0.8	1.3	3	2.9	2.1	3.6	4.1	4.6	5.5	5	6.2	5.6	4.5	3.3	2.8	3.1	2.6	2.5	3
20	2.5	3	3.2	3.4	3.9	3.3	4.3	6.8	6.3	7	7.6	7.8	8.4	7.6	7.3	7.1	5.4	5.3	4.3	2.6	2.8	4	4.7	5	5.2
21	4.9	6	5.8	5.5	6.2	2.8	2	1.9	3	3.3	3.7	3.8	3.4	3.3	2.9	2.7	3.2	3.7	3.8	3.2	2.8	3.1	2.8	1.9	3.6
22	2.7	1.5	1.2	1.2	1.5	1.3	2	3	3.3	3.7	3.9	3.9	3.1	3.3	4.2	3.8	4.6	3.4	2.1	2.1	1.2	1.6	1.4	1.7	2.6
23	0.6	1.3	0.8	1.7	1.3	2.2	2.7	3.1	4.1	4.6	4.8	4.8	4.9	4.9	4.7	4.5	4	3.7	3.3	3.1	2	0.3	0.2	0	2.8
24	0	0.2	0	0.2	0.3	0.7	0.2	0.9	1.7	2	2.9	2.9	3.2	3.8	4.3	5.9	5.5	3.7	3.1	1.8	1.9	1.1	1.2	0.4	2
25	0.1	0.1	0.3	0.1	0	0.1	0.1	1.2	2.1	2.3	2.3	2.5	3.1	3.6	4.3	3.8	4.3	3.5	2.1	2.4	2.2	1.8	1.5	1.2	1.9
26	1.8	1.4	1.3	1.1	1.6	1	0.7	2.5	2.6	2	2.6	2.8	3.4	4.5	4.6	4.2	5	5.2	3.4	2.4	2.4	1.3	1.5	1.2	2.5
27	0.9	1.4	1.1	1.1	0	0.6	0.3	2.5	5.3	5	4.2	4.9	5.6	6	6.5	4.9	5.8	5.3	3.5	2.9	1.9	2.8	2.2	1.5	3.2
28	1.1	0.2	1	0.2	0.1	0.3	2	3.3	3.7	3.7	4.4	4.8	5.3	4.5	4.9	5.6	5	3.8	2.4	2	2.1	1.7	2.9	3.7	2.9
29	3.5	3.6	4	3.9	3.8	4.1	4.3	5.4	5.7	6.5	7.3	7.5	6.9	7.6	7.7	7.3	5.9	5	3.3	2.8	4.1	4.8	5.7	2.9	5.1
30	7.4	2.1	3.7	2.8	2.5	1.3	2.6	4.1	4	5	3.5	3.4	4	6.9	7.6	7.6	4.9	6.2	3.9	4.5	2.4	1.8	1	1.2	3.9
31	1.9	2.7	2.2	1.6	2	2.9	2.9	3	4	6.4	6.3	6.1	6.4	6.7	6.5	7.7	7.9	8.4	8.1	8.7	9	9.5	10.9	11.1	6
Avg	2.2	2	2	2	2	2	2.3	3.2	4	4.2	4.5	4.7	4.9	5.2	5.3	5.1	4.8	4.5	3.5	3.1	2.8	2.6	2.6	2.4	3.4
S D	1.6	1.3	1.5	1.4	1.5	1.3	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.3	1.5	1.5	1.3	1.5	1.3	1.4	1.6	1.8	2.1	2	1
S/A	0.73	0.63	0.74	0.69	0.77	0.68	0.6	0.46	0.35	0.34	0.34	0.32	0.3	0.25	0.28	0.29	0.26	0.34	0.37	0.46	0.58	0.68	0.8	0.83	0.3
Min	0	0.1	0	0.1	0	0.1	0.1	0.9	1.5	2	2.1	2.5	2.5	2.9	2.3	2.7	3.1	1.7	1.7	1.7	1.1	0.3	0.2	0	1.9
Max	7.4	6	5.8	5.5	6.2	4.1	4.5	6.8	7.3	7.1	8	8.3	8.4	7.8	8.8	8.9	8.2	8.4	8.1	8.7	9	9.5	10.9	11.1	6
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

August 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	1013	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1013	1014	
2	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1013	1013	1012	1012	1011	1011	1011	1011	1011	1012	1012	1012	1011	1013
3	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011	1011	1011	1010	1010	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1011
4	1010	1010	1009	1009	1009	1010	1010	1010	1010	1011	1011	1010	1010	1009	1009	1009	1009	1010	1010	1011	1011	1012	1012	1012	1010	1010
5	1012	1012	1012	1012	1013	1014	1014	1015	1015	1015	1015	1016	1016	1016	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1015	1015
6	1017	1017	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1019	1020	1020	1020	1020	1019	1019	
7	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1019	1018	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1018	1018
8	1015	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1016	1015	1015
9	1016	1016	1016	1016	1016	1016	1016	1017	1017	1018	1017	1017	1017	1017	1017	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016
10	1015	1014	1014	1013	1013	1013	1013	1013	1012	1012	1011	1011	1010	1009	1009	1009	1008	1007	1007	1007	1007	1007	1007	1007	1007	1011
11	1006	1006	1006	1006	1006	1007	1007	1007	1008	1009	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1011	1012	1012	1012	1009	1009
12	1012	1012	1012	1012	1012	1012	1013	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1015	1015	1015	1015	1015	1015	1015	1015	1014
13	1016	1016	1016	1016	1016	1017	1017	1017	1018	1018	1019	1018	1018	1017	1017	1017	1017	1017	1017	1016	1016	1017	1017	1018	1017	1017
14	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1017	1017	1016	1016	1015	1015	1014	1014	1014	1013	1013	1014	1014	1014	1014	1016
15	1013	1014	1014	1013	1013	1014	1014	1014	1014	1014	1014	1013	1013	1013	1012	1012	1012	1012	1012	1012	1013	1013	1014	1014	1014	1013
16	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1017	1016	1016	1016	1017	1017	1016	1016	1016	1016	1017	1017	1017	1017	1017	1016
17	1017	1017	1016	1016	1016	1017	1018	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017
18	1018	1018	1018	1017	1017	1017	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017
19	1016	1016	1015	1015	1015	1016	1016	1016	1016	1017	1016	1016	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1015
20	1012	1012	1011	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1010	1010	1011	1011	1011	1011	1012	1012	1012	1012	1012
21	1012	1012	1012	1013	1013	1014	1015	1015	1016	1016	1017	1017	1017	1016	1016	1015	1015	1016	1016	1016	1016	1017	1017	1017	1017	1015
22	1016	1016	1016	1016	1016	1016	1017	1017	1017	1018	1018	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1016	1015	1015	1016
23	1014	1014	1014	1013	1013	1014	1014	1014	1014	1015	1014	1015	1014	1014	1014	1013	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013
24	1013	1012	1012	1012	1012	1013	1013	1014	1014	1014	1014	1014	1014	1013	1013	1012	1013	1012	1012	1012	1013	1013	1014	1014	1014	1013
25	1013	1013	1013	1013	1014	1014	1015	1015	1015	1016	1016	1015	1015	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1014
26	1015	1014	1014	1014	1015	1015	1016	1017	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1018	1016
27	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1016
28	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1010	1010	1009	1009	1009	1009	1010	1010	1010	1010	1009	1011
29	1009	1009	1009	1009	1009	1009	1010	1009	1009	1009	1009	1008	1008	1007	1007	1006	1006	1006	1006	1006	1006	1007	1007	1008	1008	1008
30	1009	1008	1008	1007	1008	1009	1009	1009	1009	1010	1010	1010	1010	1009	1008	1008	1009	1011	1011	1011	1011	1011	1011	1011	1012	1009
31	1011	1010	1011	1011	1011	1011	1012	1012	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1012	1012	1012	1011	1011	1010	1012	1012
Avg	1014	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014
SD	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	1006	1006	1006	1006	1006	1007	1007	1007	1008	1009	1009	1008	1008	1007	1007	1006	1006	1006	1006	1006	1006	1007	1007	1007	1007	1008
Max	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1020	1020	1020	1020	1019	1019	1019
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.

Prepared by: Afshin M. Andreas, NREL

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

August 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	12.7	12.7	12.7	12.6	12.6	12.9	13.2	13.1	13.1	13	13	13	13	13	13	13	13	12.9	12.8	12.8	12.8	12.7	12.7	12.9
2	12.7	12.7	12.7	12.7	12.7	12.6	12.9	13.2	13.1	13.1	13	13	13	13	13	13	13	13	12.8	12.8	12.8	12.7	12.7	12.7	12.9
3	12.7	12.7	12.7	12.6	12.6	12.6	12.8	13.2	13.1	13.1	13.1	13	13	13	13	13	13	13	12.8	12.8	12.8	12.8	12.7	12.7	12.9
4	12.7	12.7	12.7	12.7	12.7	12.6	12.9	13.2	13.1	13.1	13	13	13	13	13	13	13	13	12.8	12.7	12.7	12.7	12.7	12.7	12.9
5	12.7	12.7	12.7	12.6	12.6	12.6	12.8	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
6	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
7	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
8	12.7	12.7	12.7	12.7	12.6	12.6	13	13.2	13.2	13.1	13	13	13	13	12.8	12.8	13.3	13.1	12.7	12.7	12.7	12.7	12.7	12.7	12.9
9	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
10	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.3	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13.2	13.2	13.1	12.8	12.8	12.8	12.8	12.7	12.7	12.9
11	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.3	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.8	12.8	12.8	12.7	12.7	13
12	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.2	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
13	12.7	12.6	12.6	12.6	12.6	12.6	13	13.4	13.3	13.2	13.2	13.1	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
14	12.7	12.7	12.6	12.6	12.6	12.6	13	13.4	13.3	13.2	13.2	13.1	13.2	13.2	13.1	13.1	13.2	13	12.8	12.8	12.8	12.7	12.7	12.7	12.9
15	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.8	12.7	12.7	12.7	12.9
16	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13	13.3	13.2	13.2	13.2	13.1	13.1	13.2	13.2	13.2	13.2	12.8	12.8	12.8	12.7	12.7	12.7	12.9
17	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.2	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.1	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
18	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.2	13.2	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
19	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
20	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
21	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.8
22	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.2	13.2	13.2	13.1	13.2	13.2	13.3	13.3	13.2	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
23	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
24	12.7	12.7	12.7	12.6	12.6	12.6	13	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.9
25	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	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
26	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
27	12.7	12.7	12.7	12.7	12.6	12.6	12.9	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.9
28	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13	13	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
29	12.7	12.7	12.7	12.7	12.6	12.6	12.9	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
30	12.7	12.7	12.7	12.6	12.6	12.6	12.8	13.2	13.2	13.1	13.1	13.1	13	13.1	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8
31	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.2	13.2	13.1	13	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.8
Avg	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.9
SD	0	0	0	0	0	0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0
StA	0	0	0	0	0	0	0.01	0.02	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0
Min	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13	13	13	13	13	12.8	12.8	12.8	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	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2	12.9	12.8	12.8	12.8	12.7	12.7	13
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	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.