

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

April 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	1	13	63 ?	103	261	543	779	869	808	514	441	310	108	12	0	0	0	0	0	4826
2	0	0	0	0	0	5	77	274	487	677	781	794	643	586	713	548	330	121	15	0	0	0	0	0	6050
3	0	0	0	0	0	3	18	88 ?	273	249	386	199	?	71 ?	297	438	205	106	11	0	0	0	0	0	2344 ?
4	0	0	0	0	0	4	89	300	521	715	861	945	956	891	761	578	362	140	19	0	0	0	0	0	7143
5	0	0	0	0	0	7	94	307	526	708	758	661	742	710	628	436	347	128	19	0	0	0	0	0	6070
6	0	0	0	0	0	8	95	305	523	711	849	917	928	827	646	400	191	86	24	0	0	0	0	0	6509
7	0	0	0	0	0	4	39	89	99	487	756	823	438	582	434	447	336	127	13	0	0	0	0	0	4674
8	0	0	0	0	0	8	61	130	260	441	561	461	392	245	153	93	56 ?	2 ?	0	0	0	0	0	0	2863
9	0	0	0	0	0	3	18	105	296	552	858	972	972	919	788	604	385	155	24	0	0	0	0	0	6650
10	0	0	0	0	0	8	116	336	525	724	856	916	956	893	764	584	374	150	24	0	0	0	0	0	7228
11	0	0	0	0	0	15	120	326	540	731	873	956	954	886	747	580	369	144	21	0	0	0	0	0	7261
12	0	0	0	0	0	22	111	317	534	723	865	944	771	386	444	467	209	69	9	0	0	0	0	0	5872
13	0	0	0	0	0	15	116	261	432	569	808	696	766	695	731	552	307	132	19	0	0	0	0	0	6099
14	0	0	0	0	0	19	100	194	447	643	490	566	493	465	277	165	272	148	11	0	0	0	0	0	4289
15	0	0	0	0	0	6	43	113	388	707	838	907	906	839	684	407	260	115	21	0	0	0	0	0	6235
16	0	0	0	0	0	19	111	263	253	576	704	542	518	503	189	177	295	68	14	0	0	0	0	0	4231
17	0	0	0	0	0	21	48	89	103	115	136	178	114	92	?	63 ?	41 ?	32	3	0	0	0	0	0	1034 ?
18	0	0	0	0	0	15	117	319	577 ?	736	876	965	801	692	760	575	361	156	30	0	0	0	0	0	6980
19	0	0	0	0	0	26	141	319	542	766	895	944	948	879	740	573	363	153	17	0	0	0	0	0	7305
20	0	0	0	0	0	23	147	368	581	762	895	961	962	891	773	591	273	180	12	0	0	0	0	0	7419
21	0	0	0	0	0	5	47	79	220	265	527	364	418	474	401	277	59	48	8	0	0	0	0	0	3193
22	0	0	0	0	0	16	102	240	364	390	652	510	711	368	101	67 ?	61 ?	43	12	0	0	0	0	0	3637 ?
23	0	0	0	0	0	4	88	223	558	628	821	915	941	872	734	563	280	106	25	0	0	0	0	0	6758
24	0	0	0	0	0	40	161	195	398	252	743	905	942	721	742	521	337	62	26	0	0	0	0	0	6044
25	0	0	0	0	0	19	85	177	507	670	779	915	866	860	739	560	321	142	26	0	0	0	0	0	6667
26	0	0	0	0	0	3	24	66	133	284	355	431	745	786	662	309	109	24 ?	7	0	0	0	0	0	3937
27	0	0	0	0	0	8	62	69	151	411	295	85	189	213	289	244	190	42	12	0	0	0	0	0	2259
28	0	0	0	0	0	11	157	379	585	757	884	962	959	888	760	582	356	182	39	0	0	0	0	0	7502
29	0	0	0	0	0	36	185	406	616	798	934	1008	1012	953	818	637	428	203	41	0	0	0	0	0	8073
30	0	0	0	0	0	39	201	439	649	826	955	956	938	935	788	452	408	195	32	0	0	0	0	0	7815
Avg	0	0	0	0	0	14	93	228	406	571	718	739	753	664	589	431	273	112	18	0	0	0	0	0	5566
S D	0	0	0	0	0	11	50	116	174	203	211	273	250	265	224	176	113	54	10	0	0	0	0	0	1892
S/A	0	0	0	0	0	0.8	0.53	0.51	0.43	0.36	0.29	0.37	0.33	0.4	0.38	0.41	0.41	0.48	0.53	0	0	0	0	0	0.34
Min	0	0	0	0	0	1	13	63	99	115	136	85	114	71	101	63	41	2	0	0	0	0	0	0	1034
Max	0	0	0	0	0	40	201	439	649	826	955	1008	1012	953	818	637	428	203	41	0	0	0	0	0	8073
n	0	0	0	0	0	178	360	346	354	360	360	358	348	349	346	345	344	346	212	0	0	0	0	0	4607

Daylight Data Recovery: 0.0% missing; 0.0% untested; 2.2% exceed the 15% QC threshold -- 4710 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.

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

April 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	1	1	0	2	6	267	497	763	774	347	429	543	285	25	0	0	0	0	0	3940
2	0	0	0	0	0	25	342	630	739	786	757	594	246	342	734	691	581	359	70	0	0	0	0	0	6896
3	0	0	0	0	0	1	3	1	68	21	21	1	0	0	109	445	134	106	21	0	0	0	0	0	932
4	0	0	0	0	0	0	445	723	841	912	949	970	972	953	921	870	772	552	202	0	0	0	0	0	10084
5	0	0	0	0	0	60	442	723	838	879	717	311	381	436	521	508	660	441	102	0	0	0	0	0	7018
6	0	0	0	0	0	85	474	747	848	903	933	887	898	741	503	236	18	32	60	0	0	0	0	0	7365
7	0	0	0	0	0	0	1	1	0	237	597	593	103	187	104	331	570	357	38	0	0	0	0	0	3117
8	0	0	0	0	0	0	16	5	40	128	151	71	11	2	0	0?	0	0	0	0	0	0	0	0	423
9	0	0	0	0	0	1	1	1	15	198	877	974	973	974	946	902	809	602	226	0	0	0	0	0	7499
10	0	0	0	0	0	119	544	767	734	860	874	867	942	926	896	837	744	527	166	0	0	0	0	0	9803
11	0	0	0	0	0	98	477	732	836	888	919	946	939	913	841	818	685	472	124	0	0	0	0	0	9687
12	0	0	0	0	0	97	293	623	809	867	897	882	398	25	94	253	39	0	0	0	0	0	0	0	5276
13	0	0	0	0	0	59	362	263	376	340	618	307	405	421	757	705	445	296	50	0	0	0	0	0	5404
14	0	0	0	0	0	31	43	66	375	438	68	87	43	41	51	1	236	226	19	0	0	0	0	0	1725
15	0	0	0	0	0	0	0	1	358	813	820	812	791	737	605	260	273	146	43	0	0	0	0	0	5659
16	0	0	0	0	0	18	164	166	14	253	386	120	156	158	0	7	269	1	0	0	0	0	0	0	1713
17	0	0	0	0	0	5	34	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	41
18	0	0	0	0	0	0	221	540	710?	777	815	802	469	456	774	718	599	407	105	0	0	0	0	0	7394
19	0	0	0	0	0	89	399	671	706	873	853	828	808	765	700	702	611	401	33	0	0	0	0	0	8438
20	0	0	0	0	0	145	524	763	854	888	901	887	864	821	797	726	242	396	10	0	0	0	0	0	8820
21	0	0	0	0	0	0	0	0	19	6	52	2	12	50	38	8	0	0	0	0	0	0	0	0	188
22	0	0	0	0	0	3	10	92	56	73	236	81	196	42	0	0?	0	0	0	0	0	0	0	0	788
23	0	0	0	0	0	0	6	169	560	492	711	733	823	797	722	674	315	144	32	0	0	0	0	0	6179
24	0	0	0	0	0	67	330	96	219	11	379	698	769	489	644	472	396	8	41	0	0	0	0	0	4618
25	0	0	0	0	0	32	70	12	353	522	347	579	615	727	674	608	342	188	46	0	0	0	0	0	5116
26	0	0	0	0	0	1	0	0	1	1	2	35	210	358	350	47	0	0	0	0	0	0	0	0	1004
27	0	0	0	0	0	0	0	0	1	56	1	0	1	1	4	5	18	0	0	0	0	0	0	0	88
28	0	0	0	0	0	2	398	647	749	785	795	824	796	752	703	626	477	448	155	0	0	0	0	0	8157
29	0	0	0	0	0	214	574	749	826	867	902	924	922	913	880	837	757	575	200	0	0	0	0	0	10139
30	0	0	0	0	0	250	658	799	884	935	934	751	696	862	680	268	516	520	85	0	0	0	0	0	8838
Avg	0	0	0	0	0	47	228	333	428	494	559	535	507	489	480	433	368	250	62	0	0	0	0	0	5212
S D	0	0	0	0	0	66	225	336	359	374	355	367	365	360	346	321	278	215	68	0	0	0	0	0	3443
S/A	0	0	0	0	0	1.41	0.99	1.01	0.84	0.76	0.64	0.69	0.72	0.74	0.72	0.74	0.76	0.86	1.1	0	0	0	0	0	0.66
Min	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Max	0	0	0	0	0	250	658	799	884	935	949	974	973	974	946	902	809	602	226	0	0	0	0	0	10139
n	0	0	0	0	0	178	360	359	356	360	360	360	358	360	360	354	359	359	212	0	0	0	0	0	4695

Daylight Data Recovery: 0.0% missing; 0.0% untested; 0.3% exceed the 15% QC threshold -- 4710 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

April 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	1	13	37 ?	103	260	318	326	191	157	252	200	102	54	11	0	0	0	0	0	2024
2	0	0	0	0	0	5	33	69	100	132	159	251	405	283	170	147	104	56	12	0	0	0	0	0	1929
3	0	0	0	0	0	3 ?	18	74	206	239	371	184	?	58 ?	220	164	151	84	10	0	0	0	0	0	1783 ?
4	0	0	0	0	0	6 ?	28	58	74	80	84	83	84	85	82	73	59	37	9	0	0	0	0	0	843
5	0	0	0	0	0	8 ?	32	60	75	91	169	379	386	330	234	134	86	43	14	0	0	0	0	0	2041
6	0	0	0	0	0	7	30	52	65	74	80	116	113	178	254	247	184	82	19	0	0	0	0	0	1501
7	0	0	0	0	0	5 ?	39	89	99	307	252	268	339	406	354	254	101	54	10	0	0	0	0	0	2577
8	0	0	0	0	0	7	59	129	238	339	429	398	389	245	153	93	52 ?	7 ?	0	0	0	0	0	0	2538
9	0	0	0	0	0	3	18	105	291	391	118	90	85	76	72	64	53	35	10	0	0	0	0	0	1410
10	0	0	0	0	0	10	34	62	112	93	115	121	92	90	88	82	67	44	14	0	0	0	0	0	1023
11	0	0	0	0	0	13	39	60	73	85	94	93	90	91	104	85	86	47	13	0	0	0	0	0	974
12	0	0	0	0	0	18	61	69	74	86	94	127	395	364	373	308	196	69	9	0	0	0	0	0	2244
13	0	0	0	0	0	13	52	168	216	308	274	411	383	311	149	122	123	68	15	0	0	0	0	0	2614
14	0	0	0	0	0	20	92	169	221	318	443	496	467	439	233	165	180	101	10	0	0	0	0	0	3353
15	0	0	0	0	0	7	43	113	164	105	126	151	165	185	210	238	144	84	18	0	0	0	0	0	1753
16	0	0	0	0	0	21	80	193	247	367	365	428	368	359	189	175	176	68	14	0	0	0	0	0	3049
17	0	0	0	0	0	20	44	89	103	115	136	178	114	89	43	55	35 ?	32	3	0	0	0	0	0	1057
18	0	0	0	0	0	17	75	109	132 ?	139	148	202	347	281	148	120	99	60	21	0	0	0	0	0	1897
19	0	0	0	0	0	21	63	82	124	101	136	148	165	173	171	123	89	55	15	0	0	0	0	0	1466
20	0	0	0	0	0	16	43	58	66	75	87	109	129	140	128	124	154	88	11	0	0	0	0	0	1228
21	0	0	0	0	0	5	47	79	209	263	480	364	413	430	359	271	59	48	8	0	0	0	0	0	3035
22	0	0	0	0	0	18	101	197	331	321	428	436	518	329	91	67 ?	54 ?	43	12	0	0	0	0	0	2944
23	0	0	0	0	0	4	88	140	213	234	186	214	156	155	162	134	141	79	22	0	0	0	0	0	1929
24	0	0	0	0	0	40	93	155	253	248	400	237	208	276	220	214	160	61	21	0	0	0	0	0	2584
25	0	0	0	0	0	17	75	172	278	262	462	359	275	203	201	169	163	90	23	0	0	0	0	0	2747
26	0	0	0	0	0	4	24	63	133	284	355	401	540	437	355	276	109	19	7	0	0	0	0	0	3005
27	0	0	0	0	0	8	62	69	151	366	295	85	189	213	289	244	180	42	12	0	0	0	0	0	2206
28	0	0	0	0	0	11	62	96	114	134	158	162	186	198	193	174	139	66	22	0	0	0	0	0	1718
29	0	0	0	0	0	22	52	76	94	109	113	112	112	112	107	91	76	54	19	0	0	0	0	0	1149
30	0	0	0	0	0	25	47	85	86	83	103	217	247	131	226	257	167	58	23	0	0	0	0	0	1755
Avg	0	0	0	0	0	12	52	99	155	200	233	238	260	227	194	162	116	58	14	0	0	0	0	0	2013
S D	0	0	0	0	0	9	24	45	77	109	137	128	143	119	90	73	48	22	6	0	0	0	0	0	710
S/A	0	0	0	0	0	0.7	0.46	0.46	0.5	0.54	0.59	0.54	0.55	0.52	0.46	0.45	0.41	0.37	0.43	0	0	0	0	0	0.35
Min	0	0	0	0	0	1	13	37	65	74	80	83	84	58	43	55	35	7	0	0	0	0	0	0	843
Max	0	0	0	0	0	40	101	197	331	391	480	496	540	439	373	308	196	101	23	0	0	0	0	0	3353
n	0	0	0	0	0	159	360	354	355	360	360	359	348	352	360	348	350	357	212	0	0	0	0	0	4634

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.6% exceed the 15% QC threshold -- 4710 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.

April 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	15.7	16.1	16	15.8	15.3	15.7	15.8	16.5	17.7	19.1	20.7	22.2	23.6	24	24.4	25	24.8	23.5	22.1	21.5	20.2	18.3	17.1	19.5
2	16.2	15.5	14.9	14.5	14.1	13.4	13.4	14.8	16.3	17.5	18.3	18.5	18.7	18.9	18.5	18.4	18	16.8	15.4	13.6	13	12.6	12.1	11.7	15.6
3	12.1	12.9	13.1	13.7	14.6	14.9	15.1	16	16.4	18.3	19.5	21	18.6	16.9	16.4	19	20.5	20.3	20.4	20.2	19.8	15.8	13.9	14.1	16.8
4	14.5	14.8	13.8	13	12	10.5	10.1	10.8	11.8	12.7	13.3	14.2	14.9	15.4	15.7	15.9	16.1	15.7	14.4	13.4	12.1	11.8	11.9	11.7	13.4
5	11.6	11.4	10.8	10.3	10.3	9.3	10.1	11.5	13.3	14.6	15.4	15.7	16.3	16.8	17.4	14.9	14.1	12.7	10.5	9.8	9.5	9.4	8.9	8.1	12.2
6	8	7.6	7.3	6.3	5.7	5.1	6.5	10.5	12	13.6	14.9	15.9	17.2	18.1	18.7	19.3	18	16.5	15.3	14.4	14.2	15	14.8	14.6	12.9
7	14.5	14.7	15	14.9	15	14.9	15.1	15.9	17	19	21.9	23.7	24.4	25.6	26.9	27	26.2	24.5	22.8	21.5	20.8	20.3	20	19.8	20
8	19.5	19.6	19.6	19.4	19.5	19.5	19.5	19.8	20.5	21.6	23.1	24.1	24.6	24.9	25.4	20.6	18.5	11.9	9.7	9	8.7	8.4	8	7.9	17.6
9	7.7	6.9	5.5	4.9	4.8	5	5.2	5.5	7.1	7.9	9.2	10	10.7	11.1	11.4	11.6	11.5	11.1	10	9	8.2	7.7	6	5.2	8.1
10	4.6	4.3	4.1	3.4	3.1	3.3	4.7	8	10.9	13	14.4	15	16	16.3	16.6	15.6	14.6	13.8	12.5	11.4	10.8	10.7	9.5	9.7	10.2
11	8.9	9.1	8.2	7.9	6.7	7	8.3	12.1	15.2	15.8	16.7	18.1	18.9	19	18.7	18.5	17.7	16.8	15.4	13.9	13.2	12.9	12.7	12.7	13.5
12	13	12.8	12.5	12.4	12.1	12.5	13.1	14.9	17.9	19.4	19.9	20.7	21.5	21.3	20.8	21.2	21.2	19.9	18.8	18	17.4	17	16.9	16.2	17.1
13	15.5	14.8	14.5	14.3	14.4	14.6	15.2	17	18.5	19.7	21	22.2	23.2	24	24.8	25.4	25.3	24	21.3	20.3	19.4	18.9	18.2	17.6	19.3
14	16.9	16.4	16	15.4	14.9	14.3	14.8	15.9	17.5	19.8	21.6	22.4	23.3	24.5	25.5	25.1	25.1	25.6	24.3	23.4	22.1	21.4	20.9	20.5	20.3
15	20.3	17.3	16.8	17.3	17.8	17.7	17.2	17.5	19.2	21.8	23.3	25	26.5	28	29.2	29.3	29.2	29	27.8	26.9	26.6	24.4	22	20.9	23
16	19.5	18.6	17.9	17.3	17.1	17.7	18.4	19.7	20.3	21.6	22.5	21.4	20.4	20	18.7	17.2	16.9	16.5	16.5	16	16	16.2	16.1	16.2	18.3
17	15.3	15	14.9	14.5	14.3	14.9	15.6	15.2	15.7	16.1	14.3	14	13.3	12.8	12.5	12.6	12.5	12.1	11.7	11.3	11	10.7	10.2	9.4	13.3
18	8.8	8.4	8.2	7.9	7.4	6.6	7	8.8	11.5	14.5	16.1	17.5	18.2	17.8	17.9	18	16.4	15.4	13.4	12.4	11.7	10.8	10	10.2	12.3
19	10.2	10.5	10.1	10	10.2	10.1	10.7	13	15.9	18.4	20.9	21.8	23	23.9	24.7	25.1	25	22.5	19.8	18.4	17.1	16.5	15.3	14.6	17
20	14.3	14.2	14.1	13.7	12.7	12.2	13.1	16.1	19.6	21.8	23.6	25.1	26.2	27.1	27.6	25.8	23.5	21.9	19.7	18	17.6	17.1	16.8	16.7	19.1
21	16.8	16.7	16.8	16.8	17	17.1	17.4	17.8	18.7	20.2	22.5	23.6	24.3	25.5	26.4	26.5	25.2	24.1	23.4	22.5	21.9	20.4	19.1	18.5	20.8
22	18.2	18.2	17.9	17.9	18	18.6	19.5	20.6	21.9	22.4	23.6	24.4	25.1	24.4	23.4	19.5	17.6	17.9	17.9	18	18.3	18.7	18.4	18.6	20
23	18.9	18.5	18.2	17.9	17.6	17.5	17.5	17.9	19.3	20.3	21.8	23.1	24.5	25.7	26.3	26.8	26.6	25.9	25	23.2	21.6	21.4	20.9	20.6	21.5
24	20.5	20.1	19.5	18.9	18.3	17.9	18.6	19.5	20.7	21.3	22.6	24.3	25.8	26.5	27.2	27.3	27.2	25.9	23.2	21.1	20.1	19.4	19.1	18.7	21.8
25	18.6	18.6	18.4	18.2	17.6	16.9	15.7	15.3	16.8	19.7	23.2	25.4	26.4	27	27	26.8	25.2	24.3	23.2	22	21.7	21.8	22.4	22.8	21.5
26	19	18.2	17.4	14.7	13.4	13.1	12.8	12.3	12.2	12.4	12.6	12.6	13.6	14.4	15	14.4	12.9	11.9	10.7	10.6	10.5	10.6	10.6	10.4	13.2
27	10.6	10.8	11	11.1	10.9	11	11.3	11.8	12.6	13.7	14	13.8	14.1	14.5	14.9	15.3	15.4	14.8	14.3	13.9	13.5	12.8	12.6	11.6	12.9
28	10.9	10.6	10	9.9	10.3	10.6	12.3	15.3	17.6	18.8	18.9	17.2	18.4	17.8	17.1	15.7	14.4	13.6	12.7	11.9	11.2	10.8	10.5	10.1	13.6
29	8.6	9.2	9.1	8	6.8	7.8	9.8	12.7	14	13.9	14.2	14.3	14.3	14.2	14.5	14.4	13.9	12.6	11.4	10.1	9.9	9.6	9.2	8.1	11.3
30	6.1	6.9	6.4	7	6.9	7.9	10.4	12.5	13.5	13.7	14.2	14.8	15.1	15.2	15	14.3	13.4	12.8	11.8	11	10.6	10.2	10.2	9.8	11.2
Avg	13.9	13.6	13.3	12.9	12.6	12.6	13.1	14.5	16	17.4	18.6	19.4	20	20.4	20.6	20.2	19.6	18.5	17.2	16.2	15.7	15.1	14.5	14.1	16.2
S D	4.6	4.4	4.4	4.5	4.6	4.5	4.2	3.7	3.5	3.7	4.1	4.5	4.7	5	5.3	5.2	5.3	5.4	5.3	5.2	5.1	4.8	4.7	4.7	4.1
S/A	0.33	0.32	0.33	0.34	0.36	0.36	0.32	0.25	0.22	0.21	0.22	0.23	0.23	0.25	0.25	0.26	0.27	0.29	0.31	0.32	0.32	0.31	0.32	0.33	0.25
Min	4.6	4.3	4.1	3.4	3.1	3.3	4.7	5.5	7.1	7.9	9.2	10	10.7	11.1	11.4	11.6	11.5	11.1	9.7	9	8.2	7.7	6	5.2	8.1
Max	20.5	20.1	19.6	19.4	19.5	19.5	19.5	20.6	21.9	22.4	23.6	25.4	26.5	28	29.2	29.3	29.2	29	27.8	26.9	26.6	24.4	22.4	22.8	23
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 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

April 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	86.4	92.6	91.8	94.7	97.8	102.4	102.6	104.1 ?	102.1	98.4	93.3	86.5	79.9	72.4	69.7	68.3	64	62.3	67.4	72.3	75.1	72	74.5	73.9	83.5
2	77.5	77.7	78	77.3	78.2	81.7	82.6	77.4	69.9	64.5	62.4	61.5	61.9	61.9	63.3	62.6	65.1	70.7	74.9	83.3	88.1	91.4	94.2	96.5	75.1
3	95.5	94	96.7	96.1	95.9	96.7	98	97	100	99.5	99.8	96.5	99.3 ?	?	103.9 ?	94.9	87.2	97.9	100	99.6	96.3	98.2	?	?	97.3 ?
4	104.7	98.4	87.3	80.7	79.4	80.3	79.7	73.5	62.4	51.9	48.1	40.3	36.4	35.5	34	33.8	33.1	35.1	38.2	41	50.9	54.6	63.4	65.4	58.7
5	64.3	60.7	60.7	60.3	56	62.5	58.1	56	50.5	41.7	38.4	37	35.2	34.8	33.8	59.1	58.1	58	60.8	63.3	66	65.3	70.8	74.7	55.3
6	75.2	75.9	89	91.6	94	97.5	94.1	76.4	67.3	62.6	56.1	49.7	45.3	40.4	39.6	39.3	48.6	56	70.4	81.3	85.6	77	75.5	80.3	69.5
7	82.5	80.4	82	86.1	87.7	90.9	93.5	92.2	88.4	77.5	60	52.4	52.5	48.3	41.8	46	53.8	53.5	63.2	72	74.5	71.8	73.1	79.5	71
8	86.9	92.9	97.8	100.2	101	101	100.4	97	90	83.5	76.2	73.2	72.5	71.9	66.7	89.9	99.3	103.4 ?	?	?	?	?	104.6 ?	?	89.9 ?
9	?	104.8 ?	104.7	104.7	103.1	102.6	101.3	102.2	89.3	78	65	55.3	51.8	43.5	44.3	45.6	48.5	51.4	58.8	67	71.5	73.6	82.4	86.4	75.5
10	92.4	95.2	93.9	96.7	97.7	95.5	88.9	74.7	63	48.3	39.3	35.2	35.4	33.1	34.9	42.9	45.8	48.8	56.3	59.7	68.6	73	79.9	74.8	65.6
11	78.7	79.9	87.5	96.4	101.5	101.6	98.2	79.2	53.5	46.3	39.5	30.6	35.9	50	55.2	57.7	64.1	71.1	78.2	86.3	94.5	98.9	100.3	101.4	74.4
12	102	102.5	104.3	104.6	?	104.3 ?	102.7	95.6	77.6	66.9	64.5	57.9	58.7	58.3	60.4	61	62.2	71.6	75.5	81.9	85.1	87.5	87.3	90.6	81
13	96.3	100.7	102.5	103.1	102.1	100.8	100	93.8	84.8	79.8	74.2	69	65.6	62.3	60.5	59	58.9	67.6	80.4	78.6	81.6	81.7	83.5	87.1	82.2
14	93.7	95	96.4	98.2	100.6	102.9	102.9	100.1	95.3	86.7	80.2	78.7	72.4	65.6	59.2	54.8	62.1	62.2	65.7	66	77.3	82.3	86.2	89.4	82.3
15	88.8	101.8	103.3	100	98	98.5	100.4	100.2	94	80.7	75.7	65.5	62.8	55.2	50.5	52.2	52.8	54.1	58.1	60.1	61.1	70.8	81.7	87.5	77.2
16	95.1	98.1	100.3	102	102.6	97.7	90.5	58.8	48.1	42.5	39	44.4	54.1	58.5	65.6	70.6	72.4	77.6	77.5	80.3	84.9	92.6	95.5	96.8	76.9
17	97.5	86.8	82	91.1	95.3	93.3	85.4	89.1	87.3	85	91.9	95.9	98.9	100.6	100.2	100.3	100.4	100.2	101	102.3	102.1	102.4	102.3	103.6	95.6
18	103.7	103.5	104.3	103.8	104.6	?	?	101.3 ?	90.1	73.6	61.8	58.1	57.4	65.5	69.1	68	75.7	80.1	87.3	91.3	95	97.7	100.7	101.4	86.1 ?
19	103.6	103.2	104.4 ?	?	?	?	?	100.5	87.9	74.4	54.7	47	41	37.3	36.1	35.6	35.4	57.1	67.2	73.2	80.5	81.5	87.9	96.9	70.3 ?
20	102.3	103.4	101.3	99.3	101.1	102.2	98.1	80.5	57	45.6	40.3	37.7	33.5	29.8	26.8	42.8	52	56.1	60.3	68.5	69.3	77.8	75.3	75.3	68.2
21	80.9	89.4	91.1	90.8	89	86.4	83.8	79.7	80.5	73.3	62.8	59.9	56.2	51.2	48.7	50.9	60.8	67.6	68.6	71.2	70.7	78.5	89.4	95.9	74.1
22	98.6	99.2	100.8	101.4	101.3	100.9	100.2	98.3	95.5	93.9	86.9	81.4	77.4	80.7	86.9	95 ?	?	?	?	?	?	104.1	104.3 ?	?	94.8 ?
23	?	?	?	?	?	?	?	103.9 ?	98.7	93.9	86.1	79.1	70.1	60.9	58.5	57.5	58.5	60.9	63.6	73.2	90.8	92	91.5	89.8	78.2 ?
24	88.7	88.3	89.8	91.2	93.5	95.5	93.9	90.5	84.4	81.9	71.3	59.5	57	55	48.4	49.9	53.5	64.5	72.8	86	91.3	95.9	96.5	97.7	79
25	98.2	98.9	100.9	100.8	101.8	102.1	103.9 ?	?	100.7 ?	93.3	80.2	72	59.2	55.1	55.3	49.9	65.3	74.2	83.5	91	97.8	99	95.2	91.4	85.6
26	102.8 ?	?	104.5 ?	104.2 ?	101.1	98.6	98	98.8	98	92.9	91.1	93.6	88.1	81.4	78.1	80.3	87.2	97.3	104	104.9 ?	?	?	?	103 ?	95.4 ?
27	100	100	97.9	96.9	97	100.9	99.8	98.9	93.1	82.2	77.4	77.6	70	61.9	62.1	56.4	52.9	56.3	62.8	65.8	69.1	74.6	80.8	87.2	80.1
28	91.6	95.2	98.3	97.9	92.2	88.4	80.1	67.1	61	62.2	65.6	61.6	59.1	67.4	74.1	78.6	80.3	82	81.2	83.3	86.9	86.5	89.6	93.3	80.1
29	94.8	85	82.9	88	92.9	89.7	81.6	69	58.7	54.9	51.8	52.7	52.3	51.9	51.2	51.2	48.5	54.3	58	67.4	59.6	64.8	70.6	79.2	67.1
30	89.2	85.9	86.9	82.7	80.4	73.9	65.9	53.6	48.7	51.3	55.3	56	56.1	52.5	52.8	52.9	54	59.8	66.7	67	64.3	63.6	68.3	72.9	65
Avg	91.9	92.5	93.8	94.3	94.3	94.4	92	86.5	79.3	72.2	66.3	62.2	59.9	56.6	57.7	60.2	62.1	67.3	71.5	76.3	79.2	82.5	85.9	87.8	77.8
S D	10	10.5	10.2	10	10.6	10.1	11.6	15.3	17.7	17.9	18	18.4	17.6	16	18.7	17.8	16.5	16.6	14.7	14.2	13.3	13.3	11.7	10.6	10.6
S/A	0.11	0.11	0.11	0.11	0.11	0.11	0.13	0.18	0.22	0.25	0.27	0.3	0.29	0.28	0.32	0.3	0.27	0.25	0.21	0.19	0.17	0.16	0.14	0.12	0.14
Min	64.3	60.7	60.7	60.3	56	62.5	58.1	53.6	48.1	41.7	38.4	30.6	33.5	29.8	26.8	33.8	33.1	35.1	38.2	41	50.9	54.6	63.4	65.4	55.3
Max	104.7	104.8	104.7	104.7	104.6	104.3	103.9	104.1	102.1	99.5	99.8	96.5	99.3	100.6	103.9	100.3	100.4	103.4	104	104.9	102.1	104.1	104.6	103.6	97.3
n	331	325	334	331	322	320	319	331	357	360	360	360	354	348	354	357	348	339	334	332	324	333	323	320	8117

Data Recovery: 0.0% missing; 0.0% untested; 6.1% failed QC -- 8640 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

April 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	15.7	15.4	15.5	15.9	15.9	15.4	15.1	15.3	15.6	16.2	18.3	21.2	23.3	24.8	25.8	26.2	26.9	27	25.6	23.4	21.9	21.2	20.2	18.3	20
2	16.9	16	15	14.1	13.4	12.7	12.3	14.1	17	19.7	22	23.4	23.2	23.3	22.7	22.7	22.7	21.6	19	15.9	13.8	12.8	12.1	11.4	17.4
3	11	11.2	11.7	12.3	13.1	14	14.6	15.3	16.2	17.6	19.5	21.4	21.5	19.1	17.6	18.5	20.9	21.8	21.4	20.7	19.9	18.5	16	14.8	17
4	14.4	14.3	13.7	13.4	13	11.6	10.2	11.3	13.3	15.2	16.6	17.5	18.1	18.1	18.3	18.6	18.9	18.5	16.9	13.8	11.7	10.1	9.7	9.6	14.4
5	9.7	10	9.9	9.4	8.9	8.4	8.4	10.6	13.4	15.7	17.4	18.2	18.8	19.6	19.9	20.1	19	17.8	14.7	11.4	9.6	8.6	7.9	7	13.1
6	6	5.4	4.8	4.8	4.3	3.4	3.3	7	11.9	15.3	18.1	19.9	21	21.5	21.8	22.4	21.7	19.5	17.5	15.3	14.1	14	14.6	14.7	13.4
7	14.7	14.7	14.8	14.9	14.9	14.8	14.8	15.2	16.3	17.8	21.4	24.6	26.7	27	28.2	28.8	29.5	28.6	26.1	23.3	21.6	20.6	19.9	19.5	20.8
8	19.2	19	19.1	19.3	19.2	19.2	19.1	19.7	20.6	22	23.8	25.4	26.2	26.7	26.6	25.3	21.1	17.6	13.5	11.1	10	9.3	8.7	8.4	18.7
9	8.2	7.9	7	5.9	5.2	4.9	4.9	5.1	6.1	8.3	10.6	12.2	13.1	13.4	14	14.6	15	14.7	13	10	7.6	5.8	4.5	3.4	9
10	2.4	1.8	1.6	1.2	0.6	0.5	1.4	5.2	10	13.8	17	19	20.1	20.4	20.7	20.9	19.9	18.4	16.1	12.6	10.5	9.6	8.6	7.3	10.8
11	7	6.2	5.3	4.7	4.7	4.4	5.3	8.7	13.8	18.1	20.3	21.5	22.6	22.8	22.9	22.9	22.6	21.4	19.1	15.9	13.8	12.5	11.7	11.2	14.1
12	11.2	11.3	11	10.8	10.6	10.5	11.1	13.2	16.7	20.8	23.3	24.4	25.2	25.3	24.5	24.2	24.4	22.8	20.8	19.3	18	17.2	16.8	16.2	17.9
13	15.2	14.5	13.9	13.5	13.3	13.3	13.9	16.2	18.6	20.7	22.9	24.9	25.9	26.6	27.2	28.3	28.6	28	25.5	22.3	20.6	19.7	18.8	17.9	20.4
14	17.3	16.2	15.3	14.9	14.5	13.8	13.6	15	17	20.5	23.5	24.8	25.9	26.8	27.6	26.8	26.3	27	26.5	24.7	23.2	21.8	20.9	20.5	21
15	20.4	19.2	17.5	16.7	16.3	16.3	16.6	17.2	18.3	22.4	26.6	28.5	29.7	30.7	31.6	32.2	31.7	31.2	29.9	27.8	26.6	25.9	24.3	22.3	24.2
16	20.8	19.4	18	16.9	16.3	16.2	16.9	18.8	20.8	22.2	25	26.2	25.8	24.7	23.7	21.3	20.1	19.7	18.2	17.2	16.5	16.3	16.3	16.1	19.7
17	15.7	15.1	14.8	14.6	14.3	14.2	14.7	15.8	16.3	17	17	16.4	15.9	15.1	14.3	13.8	13.6	13.2	12.8	12.4	12	11.6	11.2	9.9	14.2
18	8.8	8	7.5	7.2	6.7	6.2	6.5	8.3	11.6	15.8	18.9	21.2	22.7	22.9	22.5	23	22.5	20.9	18.1	14.4	12	10.6	9.4	8.7	13.9
19	8.6	8.8	9.1	9.1	9.1	9.1	9.8	12	15.4	19.3	22.9	25.8	26.8	27.3	27.9	28.8	29.2	28.2	24.6	20.6	18.1	16.4	14.8	13.7	18.1
20	13.2	13	13	12.8	12.4	11.7	12	14.8	18.8	22.7	25.9	28	29	29.7	30.7	31.6	29.7	26.7	23.8	20.1	17.8	16.6	15.8	15.3	20.2
21	15.2	15.4	15.4	15.5	15.9	16.3	16.7	17.4	18.3	20.3	22.6	25.4	26.3	27.4	28.6	28.8	28.2	26.4	25	23.8	22.7	21.4	19.8	18.6	21.3
22	17.9	17.6	17.4	17.1	17.2	17.4	18.3	19.8	22	23.9	25.4	26.7	27.6	28.1	26.6	24.2	20.3	18.9	18.4	18.1	18	18.1	18.2	18.2	20.6
23	18.6	18.8	18.7	18.5	18.4	18.2	18.1	18.3	20.1	22.7	24.9	26.5	27.3	28.1	29.1	30.1	30.2	28.8	27.2	24.9	22.9	21.8	21.3	20.6	23.1
24	20.1	19.9	19.5	18.9	18.3	17.7	18.1	19.7	21	22.9	24	27.2	28.8	29.1	29.5	30	30.2	29.4	27	23.9	21	19.2	18.5	17.8	23
25	17.4	17.4	17.4	17.4	17.2	16.7	16.5	16.6	17.8	21.3	25.6	29.6	31.4	31.8	32.2	31.8	30.9	28.9	26.4	23.9	22.2	21.5	21.6	22	23.1
26	21.3	19.4	18.7	17.1	15.1	13.8	13.6	13.4	13.4	13.7	14.6	15.3	16.3	17.9	18.8	19.4	17.6	15	12.8	11.5	10.9	10.7	10.7	10.6	15.1
27	10.2	10.1	10.5	10.9	11	10.9	11.2	11.8	12.5	14	15.8	16	15.3	15.6	16.2	16.8	17.1	16.6	15.4	14.4	13.7	13	12.4	11.7	13.5
28	10.2	9.6	9.1	8.7	8.7	8.7	9.4	13	17.1	20.4	22.2	22.1	21.6	21.8	21.5	21	19.7	18.1	16.1	13.5	11.5	10.4	9.8	9.2	14.7
29	8.2	7.1	7.3	7	5.9	5.5	7.2	10.8	14.4	16.4	17.3	17.7	17.7	17.4	17.5	18	18	17	14.9	12	10	9.1	8.4	7.7	12.2
30	5.9	5	4.9	4.7	4.9	4.9	7.2	10.9	13.9	15.8	16.9	17.6	18	18.1	18.2	18.2	17.2	16.5	14.8	12.4	10.7	9.7	9.1	8.6	11.8
Avg	13.4	12.9	12.6	12.3	12	11.7	12	13.7	15.9	18.4	20.7	22.3	23.1	23.4	23.6	23.6	23.1	22	20	17.7	16.1	15.1	14.4	13.7	17.2
S D	5.2	5.1	5	5	5	5.1	4.9	4.1	3.6	3.6	4	4.5	4.8	5	5.2	5.3	5.3	5.3	5.2	5.2	5.3	5.2	5.1	5.1	4.2
S/A	0.39	0.39	0.4	0.41	0.42	0.43	0.4	0.3	0.22	0.2	0.19	0.2	0.21	0.21	0.22	0.22	0.23	0.24	0.26	0.3	0.32	0.35	0.36	0.38	0.24
Min	2.4	1.8	1.6	1.2	0.6	0.5	1.4	5.1	6.1	8.3	10.6	12.2	13.1	13.4	14	13.8	13.6	13.2	12.8	10	7.6	5.8	4.5	3.4	9
Max	21.3	19.9	19.5	19.3	19.2	19.2	19.1	19.8	22	23.9	26.6	29.6	31.4	31.8	32.2	32.2	31.7	31.2	29.9	27.8	26.6	25.9	24.3	22.3	24.2
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 total measurements.

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

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

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

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

April 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	3.2	3.3	3.6	3.2	3.1	3.2	3.8	4.1	4.4	4.8	6	6.4	6.9	7.3	7	6.3	5.6	5.1	2.8	1.9	2.1	3.8	3.3	3.4	4.3
2	2.7	2.1	1.9	2.1	1.5	1.4	1.3	1.8	2.8	2.5	2.3	3.1	2.7	3.1	3.9	3.6	3.4	3.5	3	2.4	2.9	2.5	2.2	1.8	2.5
3	2.1	2.5	2	2.6	2.8	3.1	3.2	1.8	2.7	3.3	4.8	3	3	2.9	2.8	2.7	2.5	2.5	3.2	3.1	3.2	3.3	1.6	2.4	2.8
4	2	3.4	3.4	3	3.3	2.6	1.4	3	3.9	4.1	4	4.3	4.3	4.5	5	5.1	4.7	3.8	2	1.5	1.2	1.7	1.7	2.4	3.2
5	2.7	3.6	3.2	2.8	2.6	2.7	3.3	4.1	5.6	6.9	6.2	5.4	4.7	4	3.5	4.2	4.1	4.2	3.4	3.2	2.5	2.1	1.3	1	3.6
6	1.1	0.3	1.3	1.1	0.5	0.2	0	0.8	2.5	2	2.2	2.2	2.3	3.2	2.9	2.9	3.1	2.6	1.6	1.4	1.8	2.4	2.3	2.7	1.8
7	2.7	2.5	2.9	2.5	1.9	1.9	2	2.5	2.7	3.6	5	4.2	4.5	4.6	5	4.6	5	6	5.9	5.4	5.2	3.8	3.9	3.7	3.8
8	3.7	4.4	3.8	2.9	3.5	3.8	3.9	4.3	5.1	5.1	6	6.4	5.8	5.1	5.9	4.9	2.9	4.7	5.1	4.5	4.2	5.4	5.4	4.5	4.6
9	4.2	5.5	5.7	5.3	4.2	4	3.9	2.1	4.5	5.8	6.4	6.5	6	5.6	5.7	4.9	4.4	4	2.8	1.5	0.7	0.4	0.6	0.3	4
10	0.3	0.8	0.8	0.2	0.9	0.9	0.8	1.4	2	1.8	2.2	2	1.8	2.4	2.8	3.6	3.9	3.1	2	1.6	2.4	1.7	0.7	1.3	1.7
11	0.7	0.3	0.1	0.2	0.7	0.7	0.6	0.5	0.9	2	2.9	2.6	2.8	3.1	4.1	3.8	3.9	3.3	2.4	2.1	1.8	1	1	1.2	1.8
12	1.2	0.6	0.6	0.7	0.4	0.5	0.3	1.1	1.7	2.6	3.2	3.2	3.5	3	3.4	3	3.3	3.5	3.3	2.9	3.1	3.3	2.6	2.1	2.2
13	1.7	1.4	1.5	1.3	1.9	2.1	2.3	3.1	4.1	3.6	4	4	4.1	4.2	3.9	4	3.6	3.8	3	3.6	3.2	2.8	2.5	2	3
14	2.7	1.4	1.4	1	0.7	0.2	1	1.8	2.5	2.1	2.2	2.3	2.5	2.7	3.8	2.1	3.3	2.1	1.1	1.5	2.4	2.5	2.4	2.6	2
15	3.7	2.1	1.9	1.4	0.2	1.1	0.9	1	0.9	1.2	2.1	2.6	2.6	3.9	4.8	4.5	4.4	3.1	2.2	2	2.2	1.3	1.4	0.6	2.2
16	1.9	0.5	0.4	0.5	1.1	2	1.9	3	2.8	2.8	3.1	3.1	3.4	2.9	3.3	3.7	3.3	2.2	1.6	2.3	3	2.5	2.3	2.8	2.4
17	4	4.6	4.1	4.1	3.6	3.2	2.5	3.4	2.6	3.5	4.6	4.8	4.5	4.4	4.7	4.2	3.7	4.1	3.4	2.6	3.3	3	2.5	2.2	3.6
18	2.1	2.1	2	1.2	0.9	1	1.2	1.4	1.4	2	2.5	2.1	2.4	3.3	3.1	3.1	3.4	2.7	2.1	1.2	0.9	0.4	0.7	0.8	1.8
19	1	1.9	1.9	2	1.6	1.2	2	2.6	2.2	2.2	1.9	2.1	2.3	3.1	3	2.8	2.9	2.7	2.5	2.3	1.9	0.9	0.8	1.2	2
20	1.3	1.7	2.5	2.4	2.3	2.4	2	1.6	2.2	2.4	2.7	3.4	3.2	2.8	2.7	3.3	3.4	3	2.3	2.2	1.9	1.7	1.4	1.5	2.4
21	2.1	1.9	1.6	1.6	2	1.7	1.5	1.3	0.9	1.8	2.4	2.6	2.4	3.1	3.6	3	2.9	2.8	2.6	1.4	2.4	1.9	1.5	1.9	2.1
22	2.2	2.3	1.7	2	2.3	2.8	3.3	3.8	4.2	4.4	5.1	4.7	5.7	6.9	4.8	4.4	2.6	2.1	2.1	2.5	2.2	2.5	1.5	1.3	3.2
23	2.1	1.7	1.3	1.4	1.2	1.3	1.9	2.2	3.1	2.4	2.3	3.1	3.2	3.4	3.4	3.3	3.9	2.7	1.6	2.2	3	2.7	2.6	3	2.5
24	3.4	3.8	3.5	3.3	2.7	2.6	2.6	2.7	3.1	2	2.2	2.2	4.4	5.7	6.2	4.4	3.2	2.6	1.8	0.9	0.4	0.8	0.4	0.4	2.7
25	0.8	1.1	1.3	1.4	1.2	1.8	2.4	1.8	1.4	0.8	0.8	1.3	1.8	2	3.6	3.4	3.8	3	2.4	1.8	1.6	1.6	2.6	5.3	2
26	5.1	1.4	3.4	4.6	5.4	5	4.6	4.4	4.6	4.9	4.4	3.8	3.5	3.3	2.9	2.9	2.5	1.9	2	1.8	1.6	1.2	1.2	1.7	3.3
27	1.1	1.4	1.5	1.3	1.9	2.1	2.1	2.1	3.4	3.6	4	3.4	3.2	3.8	3.4	3.1	3.4	2.3	1.4	1.5	1.3	0.7	0.8	0.7	2.2
28	1	1	1.6	1.7	1.5	1.4	1.8	2.7	2.8	3.7	4.9	5.2	4.1	5	4.8	5.5	5	4.6	4.3	2.8	2.5	3.1	2.4	1.5	3.1
29	1.1	2.2	1.7	1.2	1.5	1.9	2.5	3.4	4.7	5.6	5.6	5.8	5.6	5.7	4.9	5.6	6	5.9	4.1	4.2	4.1	3.3	2.8	1	3.8
30	1.6	2.2	1.5	2	1.4	2.7	4	5.3	6	6.3	6	5.9	5.4	5.8	6.2	5.8	6.5	5.8	4.6	3.9	3.3	3.1	2.9	2.4	4.2
Avg	2.2	2.1	2.1	2	2	2	2.2	2.5	3.1	3.3	3.7	3.7	3.8	4	4.2	4	3.8	3.5	2.8	2.4	2.4	2.2	2	2	2.8
SD	1.2	1.3	1.3	1.2	1.2	1.1	1.2	1.2	1.4	1.6	1.6	1.5	1.4	1.4	1.2	1	1	1.2	1.1	1.1	1.1	1.2	1.1	1.2	0.9
S/A	0.54	0.61	0.59	0.61	0.62	0.56	0.54	0.48	0.45	0.47	0.43	0.4	0.36	0.34	0.29	0.26	0.27	0.34	0.41	0.44	0.44	0.52	0.56	0.59	0.3
Min	0.3	0.3	0.1	0.2	0.2	0.2	0	0.5	0.9	0.8	0.8	1.3	1.8	2	2.7	2.1	2.5	1.9	1.1	0.9	0.4	0.4	0.4	0.3	1.7
Max	5.1	5.5	5.7	5.3	5.4	5	4.6	5.3	6	6.9	6.4	6.5	6.9	7.3	7	6.3	6.5	6	5.9	5.4	5.2	5.4	5.4	5.3	4.6
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 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

April 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	193	196	201	196	194	186	201	196	193	207	215	219	220	215	223	228	231	230	219	206	200	54	58	46	209
2	48	40	14	23	21	26	5	25	29	36	64	91	102	92	117	96	95	86	82	110	115	130	120	111	78
3	117	118	128	118	121	121	124	156	151	147	156	173	287	124	155	151	157	159	152	157	213	276	216	231	155
4	261	276	285	282	281	288	283	281	289	292	294	296	292	270	259	255	252	263	257	235	193	189	184	193	269
5	208	226	227	249	251	240	254	257	261	261	263	275	279	278	288	59	64	63	69	65	66	82	114	150	264
6	157	26	6	3	7	155	97	126	127	151	183	173	217	213	188	187	162	156	155	123	147	156	148	162	165
7	162	162	160	155	167	153	165	174	176	184	203	190	191	202	203	190	180	182	181	188	187	196	204	198	185
8	193	191	197	187	184	183	185	198	202	210	217	217	206	206	228	276	314	4	26	22	22	9	9	358	224
9	352	350	346	335	333	340	345	315	337	343	347	1	1	358	5	9	4	10	23	23	28	30	230	252	352
10	273	288	305	295	297	300	303	312	334	352	32	85	60	84	92	128	131	115	119	108	101	110	145	147	92
11	162	155	134	344	332	350	344	36	65	107	107	91	79	80	80	100	102	103	93	100	103	108	110	119	93
12	134	129	134	145	156	143	149	156	178	180	162	169	167	141	112	112	165	152	146	153	164	162	181	182	155
13	187	176	189	181	192	200	195	204	227	221	211	199	208	213	210	209	215	168	166	173	175	184	182	186	197
14	200	204	198	197	170	194	200	208	226	230	212	196	186	196	236	234	223	211	155	158	162	181	196	197	203
15	274	132	181	196	207	302	195	259	284	268	200	212	204	250	253	256	247	250	239	243	260	2	28	35	243
16	360	337	315	331	323	357	7	14	4	34	50	60	67	77	89	104	110	94	86	112	120	91	90	77	65
17	67	76	71	64	59	63	43	49	37	13	27	25	7	16	17	25	28	33	18	21	349	345	332	327	31
18	325	323	318	311	290	288	293	285	293	356	29	1	21	57	52	44	66	69	102	109	137	181	198	213	20
19	231	222	218	226	233	234	257	250	272	267	319	293	308	312	307	308	308	72	72	82	106	138	209	235	276
20	229	224	240	260	265	270	287	311	329	353	311	293	299	326	353	110	107	104	125	134	140	156	154	152	271
21	166	162	176	182	182	183	180	180	176	181	177	189	174	178	171	173	177	168	166	185	141	153	163	163	172
22	165	158	160	147	157	157	153	158	170	164	162	170	161	160	176	212	154	156	123	122	142	152	123	156	160
23	181	204	204	195	188	203	222	240	253	245	234	240	240	224	218	197	209	207	202	158	162	178	180	197	210
24	206	222	222	224	225	226	244	247	262	251	233	236	242	251	263	257	243	243	19	48	77	101	110	178	241
25	212	208	217	245	277	338	8	10	87	123	60	66	67	118	107	130	114	124	121	125	145	168	179	225	133
26	287	311	344	22	30	41	40	42	40	40	45	44	30	22	33	41	45	41	54	57	45	26	32	40	30
27	43	55	43	17	7	353	11	357	38	30	33	28	42	44	45	26	36	30	29	33	3	338	325	301	27
28	302	312	305	313	318	314	313	328	347	360	31	36	44	47	38	41	40	40	35	20	7	4	14	330	18
29	305	349	332	324	317	334	358	30	30	28	36	41	33	33	30	31	30	35	35	38	40	39	35	346	27
30	316	349	315	334	322	358	21	25	30	32	30	34	28	22	34	31	32	26	19	7	5	10	16	9	20
Avg	218	209	240	254	260	282	291	278	300	315	347	205	266	182	189	119	114	97	93	104	122	109	127	181	192
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 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

April 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	5.3	5.5	5.9	5.6	5.5	5.3	6.2	7.3	7.5	8.4	9.9	10.3	11.2	11.6	11.2	10.2	9	7.8	4.3	3	3.7	6.2	5.5	5.4	7.2
2	4.3	3.5	3.2	3.4	2.4	2.1	2.3	3.2	4.8	4.5	4.1	4.8	4.7	5.3	6.4	5.7	5.5	5.4	4.6	3.9	4.4	4.1	3.3	2.8	4.1
3	3	3.7	3.2	4.2	4.3	4.7	4.9	3.1	4.9	5.6	7.8	5.7	5.7	4.6	5.2	5.3	4.3	4.2	5.2	5	5.4	6.6	2.8	4	4.7
4	3.6	6.3	7	6.6	6.6	5.6	3.7	6.1	7.6	8.4	8.3	8.8	8.5	8.6	8.5	8.6	8	6.5	3.2	2.3	2.2	2.8	3.1	3.9	6
5	4.3	5.3	4.8	4.6	4	4.1	5.2	6.7	10.1	12.2	11.2	10.4	9.2	8.1	6.9	6.9	6.8	6.8	5.8	5.1	4.2	3.4	2	1.7	6.2
6	1.7	0.7	1.8	1.6	0.9	0.4	0.3	1.7	3.9	3.8	4.1	4.2	5	5.9	5	4.9	4.9	4.1	2.7	2.1	3	3.8	3.7	4.1	3.1
7	4.2	4.2	4.9	4	3.2	3.1	3.4	4.1	4.7	5.9	8.2	7.1	7.6	7.7	8.8	8.4	8.5	10.2	9.9	8.8	8.6	6.5	6.4	6.2	6.4
8	5.9	7.3	6.5	5	6.1	6.5	6.5	7.2	8.9	8.8	10.1	10.3	9.3	8.8	9.7	9.5	5.9	8.4	9.5	8	7.6	9.3	9	7.7	8
9	7.4	9.1	9.8	9.3	7.8	7.5	6.8	4.5	8.3	9.8	10.8	10.7	10.1	9.6	9.1	8.7	8	6.9	4.7	2.9	1.4	0.8	1	0.8	6.9
10	0.6	1.4	1.2	0.6	1.5	1.4	1.5	2.9	4	3.5	3.8	3.6	3.3	4.2	4.7	5.6	6	5	3.1	2.4	3.4	2.6	1.2	1.9	2.9
11	1.2	0.8	0.3	0.4	0.9	1.1	1.1	1.2	1.8	3.3	4.5	4.6	4.5	5	6	5.9	5.7	5.1	3.8	3.2	2.8	1.6	1.6	1.9	2.8
12	1.9	1.3	0.9	1.2	0.8	1	0.6	1.9	3.1	4.5	5.2	5.3	5.7	4.6	5.1	5	5.5	5.9	5.5	5	5.1	5.7	4.6	3.7	3.7
13	3	2.6	2.6	2.3	3.5	3.7	4	5.6	7.1	5.9	6.6	6.6	7.3	6.6	6.8	6.8	5.9	6.2	5.2	6.2	5.5	5.2	4	3.5	5.1
14	4.6	2.6	2.6	2	1.6	0.6	1.7	3	4.1	3.6	3.7	3.8	4.1	4.4	6.6	3.7	5.4	3.7	1.9	2.5	3.7	4.2	4.2	4.4	3.5
15	6.9	3.5	3.5	2.8	1	2.5	1.8	2.1	2.3	2.7	3.8	4.7	4.6	7	8.3	7.9	7.6	4.9	3.3	3	3.3	2.3	2.2	1.2	3.9
16	3.1	1	0.8	0.9	1.6	3.1	3.3	5.3	4.7	4.7	5.2	4.9	5.4	4.7	5.3	5.6	5.3	3.5	2.6	3.5	4.6	4	3.8	4.4	3.8
17	6.5	7.4	6.6	6.8	5.8	5.1	4.4	5.7	4.7	6.1	7.9	8.2	7.9	7.5	8.2	7.7	6.7	7.1	6.3	5	5.4	5.4	4.5	4.1	6.3
18	3.5	3.8	3.7	2.6	1.8	2.3	2.8	2.9	3	3.8	4.3	4.1	4.4	5.5	5.2	5.3	5.5	4.3	3.3	2	1.6	1	1.5	1.4	3.3
19	1.6	2.6	2.9	2.7	2.5	1.8	2.9	4.3	4	4.3	3.6	4.1	5	5.9	5.9	6.1	5.4	4.7	3.8	3.6	3	1.5	1.4	1.7	3.5
20	1.9	2.4	3.5	3.5	3.3	3.7	3.9	3.5	4.2	3.9	5.1	6.7	6.2	5.3	4.7	5.4	5.2	4.8	3.4	3.4	3.1	2.9	2.4	2.7	4
21	3.2	3.1	2.7	2.6	3.2	2.9	2.8	2.5	2	3.3	4.3	4.6	4.4	5.4	6	5.2	5.2	4.9	4.6	2.9	3.9	3.2	2.6	3.1	3.7
22	3.7	3.8	3	3.5	4	4.9	5.3	6.8	7.7	7.7	8.5	8.1	9.5	12.2	8.9	8	4.5	3.9	3.5	4.2	4.2	4.6	2.9	3	5.7
23	4.1	3.5	2.8	3.4	2.8	2.8	3.4	3.7	5.1	4.2	4.1	5.3	5.7	5.9	5.7	5.7	6.5	4.4	3	3.8	5	4.6	4.4	5.4	4.4
24	5.6	6	5.6	5.2	4	3.9	4.2	4.5	5.6	3.4	3.9	4.1	7.5	10.1	12	7.9	5.2	4.2	3.2	1.6	0.9	1.3	0.9	1.1	4.7
25	1.5	1.7	1.9	2	2.1	2.9	4.1	3.3	2.6	1.8	1.7	2.5	3.3	3.7	5.6	5.4	5.9	4.6	3.7	2.6	2.5	2.7	4.4	8.8	3.4
26	9.8	2.9	6.9	8.8	9.4	8.3	7.7	7.3	8	8.3	7.2	6.8	6.3	5.8	5.1	5	4.3	3.1	3.7	3.7	3.4	2.8	2.8	3.3	5.9
27	2.7	3	3	3	3.7	4	4.5	4.2	5.7	6.5	7	6.1	5.7	6.4	5.9	5.6	6.1	4.1	2.6	2.5	2.3	1.6	1.3	4.1	4.1
28	1.6	1.6	2.5	2.7	2.7	2.3	3.6	4.8	4.8	6.2	7.9	8.8	7.2	8.1	8.2	9	8.6	7.6	7.3	5.1	4.4	5.7	4.5	2.7	5.3
29	2	3.8	2.9	2.2	2.7	3.1	4.4	6.4	8.1	9.5	9.4	10	9.7	9.8	9.3	9.3	10.9	10.3	7.2	7.6	7.2	5.4	4.8	2.3	6.6
30	2.7	3.8	2.8	3.7	2.7	4.6	7.2	9.4	10.3	11	10.4	10	10	10	10.6	10.1	10.8	10.1	8.1	6.8	5.6	5.4	5.7	4.6	7.4
Avg	3.7	3.6	3.7	3.6	3.4	3.5	3.8	4.5	5.5	5.9	6.4	6.5	6.6	6.9	7.2	6.8	6.4	5.8	4.6	4.1	4	3.9	3.4	3.4	4.9
SD	2.1	2.1	2.2	2.2	2.1	1.9	1.9	2	2.4	2.7	2.6	2.5	2.2	2.3	2.1	1.8	1.7	2	2	1.9	1.8	2	1.8	1.9	1.5
S/A	0.57	0.57	0.59	0.61	0.62	0.55	0.5	0.45	0.44	0.45	0.41	0.38	0.34	0.33	0.29	0.26	0.27	0.35	0.44	0.46	0.44	0.51	0.53	0.56	0.31
Min	0.6	0.7	0.3	0.4	0.8	0.4	0.3	1.2	1.8	1.8	1.7	2.5	3.3	3.7	4.7	3.7	4.3	3.1	1.9	1.6	0.9	0.8	0.9	0.8	2.8
Max	9.8	9.1	9.8	9.3	9.4	8.3	7.7	9.4	10.3	12.2	11.2	10.7	11.2	12.2	12	10.2	10.9	10.3	9.9	8.8	8.6	9.3	9	8.8	8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 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

April 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	1018	1018	1017	1017	1016	1016	1016	1015	1015	1014	1013	1012	1011	1010	1009	1008	1008	1008	1009	1009	1010	1012	1013	1013	1013
2	1013	1013	1013	1013	1014	1015	1015	1016	1017	1017	1017	1016	1015	1015	1015	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015
3	1014	1014	1013	1012	1012	1012	1012	1013	1011	1010	1009	1009	1008	1006	1005	1004	1003	1002	1002	1001	1001	1004	1004	1004	1008
4	1004	1005	1005	1006	1007	1008	1009	1010	1011	1011	1011	1011	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1008	1009
5	1008	1007	1007	1007	1007	1007	1008	1008	1007	1007	1007	1008	1007	1007	1007	1008	1008	1008	1009	1010	1011	1011	1011	1011	1008
6	1012	1012	1012	1012	1012	1013	1013	1014	1014	1014	1014	1014	1013	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012
7	1012	1011	1010	1010	1010	1010	1010	1011	1010	1009	1009	1008	1007	1007	1005	1005	1004	1004	1004	1004	1005	1005	1006	1006	1008
8	1005	1005	1005	1004	1004	1003	1003	1004	1003	1004	1003	1003	1002	1002	1002	1002	1004	1006	1007	1008	1008	1009	1009	1010	1005
9	1010	1011	1011	1011	1011	1012	1013	1014	1015	1016	1016	1017	1017	1017	1017	1017	1017	1018	1018	1019	1020	1020	1020	1021	1016
10	1021	1021	1021	1021	1021	1022	1023	1024	1024	1025	1025	1025	1024	1024	1023	1023	1023	1023	1023	1024	1024	1025	1025	1024	1023
11	1025	1024	1024	1025	1025	1025	1026	1027	1027	1028	1028	1027	1027	1027	1026	1025	1025	1026	1026	1026	1026	1026	1026	1026	1026
12	1026	1026	1026	1026	1026	1026	1027	1028	1028	1028	1028	1027	1027	1026	1025	1025	1024	1024	1024	1024	1024	1024	1024	1023	1026
13	1023	1022	1022	1022	1021	1021	1021	1021	1021	1021	1020	1019	1018	1017	1016	1015	1015	1015	1014	1015	1015	1015	1015	1015	1018
14	1014	1013	1013	1013	1012	1013	1013	1013	1012	1012	1012	1011	1010	1009	1008	1007	1005	1005	1005	1005	1005	1005	1004	1004	1009
15	1005	1004	1002	1002	1002	1003	1003	1003	1004	1004	1003	1002	1002	1001	1000	999	999	999	999	1000	1001	1001	1001	1002	1002
16	1002	1002	1002	1002	1003	1004	1005	1006	1007	1007	1007	1007	1007	1006	1005	1005	1004	1005	1005	1005	1005	1005	1005	1004	1005
17	1003	1003	1002	1002	1002	1001	1002	1001	1001	1001	1001	1001	1002	1002	1002	1003	1003	1003	1005	1006	1007	1008	1008	1008	1003
18	1008	1008	1008	1008	1009	1009	1010	1011	1011	1011	1011	1011	1011	1011	1011	1010	1011	1011	1011	1012	1012	1012	1012	1012	1010
19	1011	1011	1010	1010	1010	1010	1011	1011	1011	1011	1011	1010	1009	1009	1008	1007	1007	1008	1008	1009	1009	1009	1009	1009	1010
20	1009	1009	1010	1009	1010	1010	1011	1012	1012	1013	1013	1013	1013	1013	1012	1012	1012	1013	1014	1014	1014	1014	1014	1014	1012
21	1015	1014	1014	1014	1015	1015	1015	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016
22	1017	1016	1016	1015	1015	1015	1016	1016	1016	1016	1015	1014	1013	1013	1013	1013	1013	1012	1012	1011	1012	1011	1011	1011	1014
23	1010	1009	1009	1010	1010	1010	1011	1011	1012	1012	1011	1011	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1010
24	1008	1007	1007	1007	1007	1008	1009	1009	1010	1010	1010	1009	1008	1008	1007	1006	1007	1007	1007	1008	1008	1008	1008	1008	1008
25	1007	1007	1007	1007	1007	1007	1008	1009	1009	1009	1009	1008	1007	1006	1005	1004	1004	1004	1003	1003	1003	1003	1002	1002	1006
26	1005	1004	1005	1007	1008	1009	1012	1012	1013	1014	1013	1013	1013	1012	1011	1011	1011	1011	1010	1010	1011	1010	1010	1009	1010
27	1009	1008	1007	1007	1007	1008	1008	1008	1008	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1011	1012	1012	1012	1012	1009
28	1012	1012	1012	1013	1013	1014	1015	1015	1016	1017	1017	1018	1018	1018	1018	1019	1019	1020	1020	1020	1021	1022	1022	1022	1017
29	1022	1022	1022	1022	1023	1023	1024	1024	1025	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1025
30	1025	1024	1024	1023	1023	1024	1024	1024	1023	1024	1024	1024	1024	1024	1023	1023	1023	1023	1022	1022	1022	1022	1021	1021	1023

Avg	1012	1012	1012	1012	1012	1012	1013	1014	1014	1014	1014	1013	1013	1012	1012	1011	1011	1012	1012	1012	1013	1013	1013	1013	1013
S/D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	1002	1002	1002	1002	1002	1001	1002	1001	1001	1001	1001	1001	1002	1001	1000	999	999	999	999	1000	1001	1001	1001	1002	
Max	1026	1026	1026	1026	1026	1026	1027	1028	1028	1028	1028	1027	1027	1027	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640	

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 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

April 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	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.3	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
2	12.7	12.7	12.6	12.6	12.6	12.6	13	13.6	13.5	13.4	13.4	13.3	13.4	13.4	13.4	13.4	13.4	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
3	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13.2	13.4	13.4	13.3	12.8	12.8	13.3	13.5	13.4	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
4	12.6	12.6	12.6	12.6	12.6	12.5	13.1	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
5	12.6	12.6	12.6	12.6	12.6	12.5	13.1	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13
6	12.6	12.6	12.6	12.6	12.5	12.5	13.2	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.5	13.2	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13.1
7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.8	13	13.4	13.3	13.3	13.3	13.3	13.2	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
8	12.7	12.7	12.7	12.6	12.6	12.6	12.7	13	13.4	13.4	13.3	13.3	13.3	13.3	13.2	13	12.9	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.9
9	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.8	13.8	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
10	12.6	12.6	12.6	12.6	12.5	12.5	13.3	13.8	13.7	13.6	13.5	13.5	13.5	13.5	13.4	13.5	13.5	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13.1
11	12.7	12.6	12.6	12.6	12.6	12.5	13.3	13.7	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
12	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
13	12.7	12.7	12.6	12.6	12.6	12.6	13.1	13.5	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.2	13.3	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
14	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.5	13.5	13.4	13.3	13.3	13.3	13.3	13.1	13.3	13.3	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13
15	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.4	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
16	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.4	13.4	13.5	13.1	12.8	12.7	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	12.8	13	13.1	13.2	13.5	13.3	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.8	12.8
18	12.5	12.5	12.5	12.5	12.5	12.5	13.1	13.7	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13
19	12.7	12.6	12.6	12.6	12.6	12.6	13.2	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.2	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
20	12.7	12.6	12.6	12.6	12.6	12.6	13.2	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.3	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
21	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.1	13.4	13.3	13.3	13.3	13.3	13.2	13.3	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
22	12.7	12.7	12.6	12.6	12.6	12.6	12.8	13.3	13.4	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.9
23	12.7	12.6	12.6	12.6	12.6	12.6	12.8	13.3	13.4	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
24	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.3	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
25	12.7	12.6	12.6	12.6	12.6	12.6	12.8	13.2	13.5	13.3	13.2	13.2	13.2	13.2	13.1	13.2	13.2	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
26	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.3	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13
27	12.7	12.6	12.6	12.6	12.5	12.5	12.6	12.8	13.2	13.6	13.5	13.2	13.6	13.6	13.6	13.6	13.5	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
28	12.7	12.6	12.6	12.6	12.5	12.5	13.1	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
29	12.6	12.6	12.6	12.6	12.6	12.5	13.3	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13.1
30	12.6	12.6	12.6	12.6	12.5	12.5	13.3	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.6	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13.1
Avg	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.3	13.4	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13
S D	0	0	0	0	0	0	0.3	0.4	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0	0	0	0	0	0	0	0	0.1
S/A	0	0	0	0	0	0	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0.01
Min	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.8	13.1	13.2	13.2	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.8	
Max	12.7	12.7	12.7	12.7	12.6	12.6	13.3	13.8	13.8	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.2	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8640 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.