

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

March 2007

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	22	132	310	467	434	426	398	284	225	202	72	20	0	0	0	0	0	0	2993
2	0	0	0	0	0	0	4	44	89	102	530	337	512	271	343	323	285	58	0	0	0	0	0	0	2898
3	0	0	0	0	0	0	8	75	302	275	281	571	564	589	639	474	208	44	0	0	0	0	0	0	4030
4	0	0	0	0	0	0	7	134	344	530	673	762	836	672	562	452	238	60	0	0	0	0	0	0	5271
5	0	0	0	0	0	0	19	152	363	552	700	786	804	753	635	463	253	63	0	0	0	0	0	0	5543
6	0	0	0	0	0	0	21	147	362	552	703	798	823	767	650	472	260	57	0	0	0	0	0	0	5614
7	0	0	0	0	0	0	4	56	116	365	349	504	620	624	565	351	227	36	0	0	0	0	0	0	3818
8	0	0	0	0	0	0	21	157	370	559	708	795	815	760	643	467	257	65	0	0	0	0	0	0	5618
9	0	0	0	0	0	0	25	157	357	557	678	774	806	749	628	453	233	53	3	0	0	0	0	0	5474
10	0	0	0	0	0	0	23	134	347	532	682	759	780	688	508	348	199	59	5	0	0	0	0	0	5064
11	0	0	0	0	0	0	21	64	160	481	668	753	689	758	648	473	263	70	2	0	0	0	0	0	5050
12	0	0	0	0	0	0	20	168	393	585	733	823	800	727	593	371	180	61	4	0	0	0	0	0	5459
13	0	0	0	0	0	0	23	106	158	446	686	758	303	227	475	415	223	65	3	0	0	0	0	0	3888
14	0	0	0	0	0	0	19	102	234	419	623	711	650	584	505	304	122	31	3	0	0	0	0	0	4309
15	0	0	0	0	0	0	25	150	337	484	534	605	672	535	476	259	174	40	8	0	0	0	0	0	4299
16	0	0	0	0	0	0	6	39	52	89	68 ?	196	186	141	111	72	28 ?	7	0	0	0	0	0	0	994
17	0	0	0	0	0	0	22	154	261	553	544	318	113	215	281	317	173	65	6	0	0	0	0	0	3020
18	0	0	0	0	0	0	39	208	432	627	780	869	882	835	655	495	258	97	5	0	0	0	0	0	6183
19	0	0	0	0	0	0	44	214	434	627	772	859	873	817	688	509	298	85	6	0	0	0	0	0	6227
20	0	0	0	0	0	0	42	194	401	590	735	819	833	791	455	333	225	79	6	0	0	0	0	0	5502
21	0	0	0	0	0	0	19	86	105	179	218	179	147	116	79	53	40	12	3	0	0	0	0	0	1235
22	0	0	0	0	0	0	31	189	392	575	693	654	445	524	625	455	268	56	14	0	0	0	0	0	4922
23	0	0	0	0	0	0	33	200	389	587	706	810	801	755	618	474	275	79	2	0	0	0	0	0	5729
24	0	0	0	0	0	0	24	171	263	599	745	789	791	738	431	297	165	57	11	0	0	0	0	0	5082
25	0	0	0	0	0	0	47	226	441	630	765	863	880	627	518	381	117	28	6	0	0	0	0	0	5531
26	0	0	0	0	0	0	36	95	301	257	313	709	689	467	520	388	205	53	5	0	0	0	0	0	4039
27	0	0	0	0	0	0	28	159	282	482	595	634	758	749	631	401	272	96	9	0	0	0	0	0	5096
28	0	0	0	0	0	5	62	198	316	369	606	796	795	714	527	313	130	51	8	0	0	0	0	0	4890
29	0	0	0	0	0	1	13	115	211	244	509	845	835	861	739	561	336	119	14	0	0	0	0	0	5403
30	0	0	0	0	0	4	70	275	492	679	821	906	917	857	729	552	333	121	15	0	0	0	0	0	6771
31	0	0	0	0	0	3	67	263	470	652	784	837	871	716	592	264	111	25	6	0	0	0	0	0	5662
Avg	0	0	0	0	0	0	27	147	306	472	601	685	674	610	526	377	207	58	5	0	0	0	0	0	4697
S D	0	0	0	0	0	1	17	60	117	162	186	201	231	222	166	122	79	27	5	0	0	0	0	0	1348
S/A	0	0	0	0	0	3	0.63	0.41	0.38	0.34	0.31	0.29	0.34	0.36	0.32	0.32	0.38	0.47	0.95	0	0	0	0	0	0.29
Min	0	0	0	0	0	0	4	39	52	89	68	179	113	116	79	53	28	7	0	0	0	0	0	0	994
Max	0	0	0	0	0	5	70	275	492	679	821	906	917	861	739	561	336	121	15	0	0	0	0	0	6771
n	0	0	0	0	0	5	283	372	372	372	366	372	370	372	372	371	367	369	58	0	0	0	0	0	4421

Daylight Data Recovery: 0.0% missing; 0.0% untested; 0.3% exceed the 15% QC threshold -- 4435 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

March 2007

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	70	398	620	505	124	61	33	14	4	15	0	0	0	0	0	0	0	0	1844
2	0	0	0	0	0	0	0	3	28	2	471	162	317	9	101	208	624	129	0	0	0	0	0	0	2054
3	0	0	0	0	0	0	0	52	295	63	15	356	252	436	874	814	303	34	0	0	0	0	0	0	3494
4	0	0	0	0	0	0	40	498	753	844	878	897	892	731	637	749	605	356	0	0	0	0	0	0	7880
5	0	0	0	0	0	0	244	632	825	905	946	955	956	946	912	843	714	381	0	0	0	0	0	0	9259
6	0	0	0	0	0	0	147	526	771	874	923	954	967	950	931	864	706	276	0	0	0	0	0	0	8889
7	0	0	0	0	0	0	0	16	170	87	232	332	474	432	235	359	6	0	0	0	0	0	0	0	2343
8	0	0	0	0	0	0	122	555	771	860	904	925	927	915	886	829	678	314	0	0	0	0	0	0	8685
9	0	0	0	0	0	0	163	522	699	817	724	767	903	873	825	741	503	146	0	0	0	0	0	0	7684
10	0	0	0	0	0	0	36	385	658	754	794	753	769	619	317	215	100	23	0	0	0	0	0	0	5421
11	0	0	0	0	0	0	0	17	24	403	542	640	485	864	859	785	655	340	9	0	0	0	0	0	5621
12	0	0	0	0	0	0	28	537	800	889	933	948	776	676	530	286	121	35	0	0	0	0	0	0	6558
13	0	0	0	0	0	0	13	108	1	319	767	691	11	5	131	329	375	185	11	0	0	0	0	0	2945
14	0	0	0	0	0	0	0	3	36	219	506	532	313	222	295	121	4	0	0	0	0	0	0	0	2251
15	0	0	0	0	0	0	55	304	468	416	290	252	384	144	139	161	130	0	0	0	0	0	0	0	2743
16	0	0	0	0	0	0	0	0	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	8
17	0	0	0	0	0	0	23	222	63	648	397	3	0	1	3	27	92	92	49	0	0	0	0	0	1620
18	0	0	0	0	0	0	272	654	837	916	965	982	975	963	793	681	600	508	162	0	0	0	0	0	9308
19	0	0	0	0	0	0	309	695	826	899	939	957	956	945	905	829	730	371	6	0	0	0	0	0	9366
20	0	0	0	0	0	0	113	447	660	775	831	847	846	825	318	287	319	220	0	0	0	0	0	0	6488
21	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
22	0	0	0	0	0	0	62	359	553	636	586	370	100	196	581	536	462	83	6	0	0	0	0	0	4530
23	0	0	0	0	0	0	77	425	542	689	685	746	711	707	663	652	531	238	2	0	0	0	0	0	6669
24	0	0	0	0	0	0	14	165	99	695	714	727	699	642	145	97	88	17	21	0	0	0	0	0	4122
25	0	0	0	0	0	0	174	541	706	766	786	838	820	302	201	212	22	0	0	0	0	0	0	0	5368
26	0	0	0	0	0	0	5	1	55	3	1	423	245	42	189	191	152	13	0	0	0	0	0	0	1321
27	0	0	0	0	0	0	5	64	113	224	285	335	523	607	575	395	441	220	22	0	0	0	0	0	3809
28	0	0	0	0	0	0	90	204	99	53	333	592	554	518	319	142	7	1	0	0	0	0	0	0	2911
29	0	0	0	0	0	0	0	8	4	1	99	628	708	860	859	867	768	532	190	0	0	0	0	0	5524
30	0	0	0	0	0	0	402	731	850	898	922	943	949	940	904	854	759	521	142	0	0	0	0	0	9814
31	0	0	0	0	0	3	265	618	742	819	817	750	796	492	323	19	0	0	0	0	0	0	0	0	5643
Avg	0	0	0	0	0	0	88	312	417	518	557	589	555	514	473	419	350	163	20	0	0	0	0	0	4974
S D	0	0	0	0	0	1	109	254	344	349	343	328	349	359	335	325	283	177	49	0	0	0	0	0	2935
S/A	0	0	0	0	0	5.57	1.24	0.81	0.82	0.67	0.62	0.56	0.63	0.7	0.71	0.78	0.81	1.09	2.48	0	0	0	0	0	0.59
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	3	402	731	850	916	965	982	975	963	931	867	768	532	190	0	0	0	0	0	9814
n	0	0	0	0	0	5	283	372	372	372	372	372	372	372	372	372	372	372	368	58	0	0	0	0	4434

Daylight Data Recovery: 0.0% missing; 0.0% untested; 0.0% exceed the 15% QC threshold -- 4435 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

March 2007

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	24	61	82	187	343	380	379	277	225	197	72	20	0	0	0	0	0	0	2247
2	0	0	0	0	0	0	4	44	82	102	200	196	248	265	270	223	104	42	0	0	0	0	0	0	1779
3	0	0	0	0	0	0	7	61	181	238	271	277	357	265	96	87	103	42	0	0	0	0	0	0	1987
4	0	0	0	0	0	0	7	40	61	74	87	93	159	141	160	93	65	22	0	0	0	0	0	0	1000
5	0	0	0	0	0	0	12	35	51	60	65	70	69	66	63	58	45	20	0	0	0	0	0	0	614
6	0	0	0	0	0	0	14	45	63	71	75	75	72	70	62	54	49	20	0	0	0	0	0	0	672
7	0	0	0	0	0	0	4	56	110	274	294	311	348	263	262	206	116	35	0	0	0	0	0	0	2279
8	0	0	0	0	0	0	17	46	64	76	84	87	88	85	77	65	55	28	0	0	0	0	0	0	772
9	0	0	0	0	0	0	18	50	75	93	166	174	92	97	96	89	76	35	3	0	0	0	0	0	1065
10	0	0	0	0	0	0	19	60	84	99	120	169	160	207	288	223	165	56	5	0	0	0	0	0	1654
11	0	0	0	0	0	0	23	61	149	238	279	239	289	102	83	80	62	28	2	0	0	0	0	0	1635
12	0	0	0	0	0	0	18	49	62	68	70	75	167	200	234	215	136	54	4	0	0	0	0	0	1352
13	0	0	0	0	0	0	22	89	158	243	133	199	293	224	365	232	107	38	3	0	0	0	0	0	2106
14	0	0	0	0	0	0	21	102	226	283	256	278	385	405	301	232	121	31	3	0	0	0	0	0	2645
15	0	0	0	0	0	0	20	79	137	234	317	369	330	411	371	173	121	40	8	0	0	0	0	0	2611
16	0	0	0	0	0	0	6	39	52	89	57	196	186	141	111	68	25	7	0	0	0	0	0	0	977
17	0	0	0	0	0	0	21	111	221	159	253	318	102	215	281	301	140	48	5	0	0	0	0	0	2175
18	0	0	0	0	0	0	19	47	60	67	69	72	75	82	111	132	64	27	3	0	0	0	0	0	829
19	0	0	0	0	0	0	20	45	62	69	72	74	75	72	69	67	53	29	6	0	0	0	0	0	713
20	0	0	0	0	0	0	29	74	96	104	108	118	121	136	221	176	115	43	6	0	0	0	0	0	1347
21	0	0	0	0	0	0	20	85	105	179	218	179	147	116	79	53	40	12	3	0	0	0	0	0	1236
22	0	0	0	0	0	0	27	90	133	167	240	345	362	366	214	159	103	41	14	0	0	0	0	0	2263
23	0	0	0	0	0	0	23	80	127	142	177	177	189	179	151	117	87	38	2	0	0	0	0	0	1489
24	0	0	0	0	0	0	25	117	205	147	194	171	186	199	302	240	118	56	10	0	0	0	0	0	1970
25	0	0	0	0	0	0	29	68	93	122	140	142	162	362	369	255	107	28	6	0	0	0	0	0	1883
26	0	0	0	0	0	0	39	95	276	257	313	333	465	433	377	274	142	49	5	0	0	0	0	0	3059
27	0	0	0	0	0	0	27	137	226	327	359	339	298	246	216	170	110	60	8	0	0	0	0	0	2523
28	0	0	0	0	0	?	56	136	273	330	320	273	299	274	273	216	125	50	8	0	0	0	0	0	2634
29	0	0	0	0	0	1	13	112	209	244	416	277	188	138	109	67	52	32	7	0	0	0	0	0	1865
30	0	0	0	0	0	3	22	48	56	64	72	73	71	68	68	61	50	32	9	0	0	0	0	0	697
31	0	0	0	0	0	4 ?	29	67	85	92	119	164	154	283	340	253	111	25	6	0	0	0	0	0	1732
Avg	0	0	0	0	0	0	21	72	125	158	190	201	210	206	202	156	91	35	4	0	0	0	0	0	1671
S D	0	0	0	0	0	1	10	29	69	86	106	101	115	110	109	79	36	13	4	0	0	0	0	0	693
S/A	0	0	0	0	0	3.59	0.5	0.4	0.56	0.54	0.56	0.5	0.55	0.54	0.54	0.51	0.39	0.37	0.88	0	0	0	0	0	0.41
Min	0	0	0	0	0	0	4	35	51	60	57	70	69	66	62	53	25	7	0	0	0	0	0	0	614
Max	0	0	0	0	0	4	56	137	276	330	416	380	465	433	377	301	165	60	14	0	0	0	0	0	3059
n	0	0	0	0	0	3	266	372	372	372	371	372	372	372	372	372	372	369	58	0	0	0	0	0	4415

Daylight Data Recovery: 0.0% missing; 0.0% untested; 0.5% exceed the 15% QC threshold -- 4435 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

March 2007

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	4.5	4.7	4.4	4.5	4.9	5.1	5.1	7	9	11.4	13.3	14.2	15.1	15.7	15.8	17.6	17.7	16.9	15.8	15.5	16.2	16.8	17	16.1	11.9
2	15.5	15.9	16	16.1	15.7	16.3	16.7	19.1	20	18.7	19.6	20.9	21.4	20.1	19.3	19.2	19.5	18.4	16.5	15.5	15.1	14.1	14	13.4	17.4
3	12.7	12.1	11.8	11.3	11	10.4	10.1	10.1	10.9	12.2	12.6	14.4	16.1	17	17.9	18.1	18.2	17.2	16.2	15.5	15	14.1	12.2	12.3	13.7
4	11.7	10.8	8.4	6.9	6.1	5.2	4.8	4.6	5.9	6.7	7.2	7.7	8	8.4	8.6	8.6	8.4	7.4	5.8	4.8	4.2	3.6	2.8	2.1	6.6
5	1.5	0.6	0	-0.4	-0.8	-1.2	-1.2	0	2	4.1	6.2	8.4	10.3	12.4	14.3	14.8	15.1	14.6	13.6	12.9	12.3	11.5	10.4	7.7	7
6	6.4	5.7	4.8	3.7	2.5	1.1	0.1	-0.1	0.4	1.5	2.2	2.9	3.6	4	4.7	4.9	4.4	2.6	0.6	0.2	0.1	0.1	0.2	0.5	2.4
7	0.5	0.3	0.1	0.4	1.2	1.9	2.4	3.2	4.4	6.5	8.4	11.6	15	17.4	18.8	19.2	19.4	17.7	7	4.9	3.9	3.1	2.7	2.4	7.2
8	1.9	1.6	0.9	0.2	-0.2	-0.6	-0.8	-0.3	0.9	1.8	2.9	4.1	4.8	5.7	6.1	7	5.8	4	2.3	1.8	1.9	1.9	1.7	1.8	2.4
9	1.3	0.6	0.8	1.1	1.3	1.4	2.2	3.3	5.1	6.4	7.4	8.4	9.4	9.6	9.6	9.4	8.7	7.2	6	5.7	5.6	5.5	5.6	5.9	5.3
10	6.1	6.3	6.5	6.7	5.8	5.1	4.6	6.6	10.7	14.5	16.5	17.5	18.2	17.8	16.9	16.2	15.6	15.1	14.3	13.6	13.1	12.5	11.9	11.3	11.8
11	11	11	10.5	10.9	11	11.1	11.5	11.8	12.5	13.7	14.5	14.8	15.1	16	16.8	16.1	14.8	13.5	11.3	10.1	9.2	8.5	7.8	6.9	12.1
12	6.2	5.9	5.6	5	4.4	3.8	3.6	4.7	6.7	8.4	9.9	11.1	12.7	12.9	13.4	11.1	9.4	8.1	7.2	6.8	6.5	6.4	6.3	5.9	7.6
13	5.9	6.4	6.5	6.3	6.2	6.4	7	8.4	10.1	12.6	15	17.6	18.3	18.1	18.4	20.1	20.9	19.7	17.8	16.4	15.6	15	14.5	14.3	13.2
14	13.6	13.5	13.8	13.8	13.7	13.7	14	14.5	16.1	18.2	21.5	23.5	25.1	26.1	26.6	25.5	23.6	21.6	20.2	19.4	18.7	17.9	17.1	16.4	18.7
15	16.1	15.9	15.6	15.1	14.8	14.9	14.8	15.7	17.9	19.9	21.2	22.4	23.9	24.8	25.6	25.3	24	22.2	20.8	19.9	19.1	18.6	14.6	11.8	19
16	9.8	8.6	8	7.7	7.6	7.6	8.1	8.7	9.3	9.9	10.6	11.5	13	14.1	15.1	16.8	16.7	14	7.8	6.3	5.3	4.5	3.8	3.3	9.5
17	2.8	2.3	1.6	1.6	1.3	0.9	0.7	1.3	2.1	3.8	5.3	5.5	5.1	5.3	5.4	5.8	6.1	5.9	5.3	4.6	4.2	3.1	1.9	1.9	3.5
18	1.6	0.8	0.4	0	-0.3	-0.5	-0.4	0.5	2.5	3.7	4.5	5.3	6.4	6.9	7.5	7.9	7.8	7.8	6.5	5.2	4.2	3.1	2.5	2.2	3.6
19	2.6	2	1.2	0	0	-0.4	0.5	4.1	6.7	7.7	8.7	9.8	10.7	11.9	12.8	13.4	13.6	12.9	11.7	10.9	10.4	10.4	10.9	11.6	7.7
20	11.3	11	10.9	11.2	11.3	11.6	12.3	13.1	14.4	15.9	17.8	19.4	20.9	22	22.3	18.2	17.3	16	14.5	13.3	12.7	11.8	11.5	11.1	14.7
21	10.5	10	9.6	9.1	8.9	8.6	8.5	8.7	9	9.3	9.8	9.9	9.8	9.5	9.2	9.2	9	8.9	9	9.1	9.2	9.2	9.3	9.2	9.3
22	9.4	9.2	9.2	9.3	9.2	9.1	9.7	12	15.4	18.5	19.7	20.5	21.2	21.7	22.2	22.5	22.2	20.9	19	17.7	16.9	16.4	15.9	15.4	16
23	15	14.6	14.4	13.9	13.5	13.3	13.4	14.9	17.4	19.1	20.9	22.6	23.8	25	25.8	26.1	26	25.1	23	20.9	19.6	18.7	18.4	18	19.3
24	17.3	17.3	17.5	16.9	16.2	15.4	15.2	15.8	18.1	19.8	21.9	23.6	25.3	23.7	22.5	21.3	18	15.9	14.4	13.2	12.5	12.2	12.1	12	17.4
25	11.9	11.9	12.1	12.1	12.1	11.8	11.9	13.5	15	14.5	14.2	13.9	13.4	12.4	11.3	10.8	10	9.2	8.8	8.4	8	7.4	7	7.1	11.2
26	6.6	6.4	6.4	6.9	7.4	7.5	7.9	8.6	10.3	12.4	13.7	15.7	18.2	18.9	19.9	20.6	20.6	19.8	18.4	17.6	17.3	17.1	16.8	16.6	13.8
27	16.2	16.1	16.1	16	16.2	16.1	16.2	16.6	18	19.3	20.8	22.4	24.3	25.8	27.5	28.1	28.5	27.8	26.5	24.8	23.9	23.1	22.2	21.4	21.4
28	20.7	19.5	19.2	19.2	18.5	17.5	17.7	19	21.6	22.7	23.4	20.4	19	19	19	17.9	16.5	15.4	13.7	13.1	12.8	13.1	13.4	13	17.7
29	12.9	11.9	11.6	11.4	11.4	11.1	10.7	10.4	10.4	10.4	11	12.6	13.5	13.7	13.7	14.4	13.2	11.3	9.9	8.7	8.3	6.8	5.4	5.1	10.8
30	4.9	4.7	4.6	4.7	4.9	4.4	3.6	7.4	10.4	12	13.3	14.5	16.2	17.5	17.5	16.7	15.7	13.8	11.6	10.4	9.7	9.1	8.9	8.5	10.2
31	8.5	8.5	8.8	8.8	8.8	8.8	9.2	11.6	14.4	16.6	18.2	19.7	21.1	22.2	22.9	22.9	21.4	20.4	20.1	19	18	17.7	17.2	16.7	15.9
Avg	8.9	8.6	8.3	8.1	7.9	7.7	7.7	8.9	10.6	12	13.3	14.4	15.5	16	16.4	16.3	15.7	14.6	12.8	11.8	11.3	10.8	10.2	9.7	11.6
S/D	5.5	5.5	5.6	5.7	5.7	5.7	5.8	5.8	6	6	6.2	6.2	6.4	6.4	6.5	6.3	6.3	6.2	6.3	6.1	6	6	5.9	5.7	5.4
S/A	0.62	0.65	0.68	0.71	0.72	0.74	0.74	0.65	0.56	0.5	0.46	0.43	0.41	0.4	0.39	0.39	0.4	0.43	0.49	0.52	0.53	0.56	0.58	0.59	0.47
Min	0.5	0.3	0	-0.4	-0.8	-1.2	-1.2	-0.3	0.4	1.5	2.2	2.9	3.6	4	4.7	4.9	4.4	2.6	0.6	0.2	0.1	0.1	0.2	0.5	2.4
Max	20.7	19.5	19.2	19.2	18.5	17.5	17.7	19.1	21.6	22.7	23.4	23.6	25.3	26.1	27.5	28.1	28.5	27.8	26.5	24.8	23.9	23.1	22.2	21.4	21.4
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: 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

March 2007

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	96.8	99.7	101.4	103	102.9	103.1	104.8 ?	98.4	82.7	74.4	67.4	71.5	72.2	79	86.1	86.8	90.9	95.7	100.2	102.2	99.1	95.1	94.1	98.8	91.9
2	103.6	100.6	101.1	103.5	103.5	?	?	101 ?	93.6	100.1	98.8	86.7	67.1	56.7	38.8	30.3	25.5	28.3	36.2	40.1	40.7	50.2	52	57.8	68.9 ?
3	64.6	68.8	69.5	72.5	74.1	78.7	81.5	84.4	82.1	70.7	69.8	58.4	45.2	37	33.5	34.3	35.9	38.4	40.8	42	39.5	41.1	52.9	42.7	56.6
4	41.9	46.4	70.3	79.2	81.8	83.9	71.4	70.1	62.5	56	53.1	50.2	48.5	44.7	43.3	43.2	44.2	45.1	49.6	54.1	54.1	56.1	59.1	61.8	57.1
5	62.9	65.9	69.2	70	73.2	75.5	76	71	64.2	55.5	49.8	44.4	41.3	38.6	36.4	35.5	35.3	36	39.2	41.6	43.9	46.7	50.2	70.3	53.9
6	74.4	73.3	72.5	79.5	81.6	72.9	70.1	65.8	56.7	53.4	44.3	34	29.9	28.4	28	28.2	29.4	46.8	58.4	60.3	62	63	64.5	62.1	55.8
7	65.1	71.6	75.1	76.9	74.8	74.1	75.2	75.3	78.5	79.1	80.2	77.8	74.6	60	44.5	41.6	39	45.2	92.2	100.6	100	96.5	93.5	93.8	74.4
8	94.4	94.4	94.7	88	86.6	80.1	77.9	74.9	74	73.1	67.7	61.8	60.1	57.4	56.6	54.2	62.3	68.8	74.4	79	80.7	83.2	85.4	85	75.6
9	84.1	85	82.4	84.2	82.1	85.2	86.8	85.5	79.3	74.2	71.6	67.6	65.4	65.7	65.4	64.2	65.9	74.4	84.6	93.4	97.8	100.2	102.6	104.5	81.3
10	?	?	?	?	?	?	?	?	96.7 ?	83.3	73.8	68.5	62.1	69.3	74.4	75.8	78.2	80.9	85.5	88.6	91	94.1	96.7	99.2	82.4 ?
11	101.9	103.9	?	?	?	?	?	?	100.8 ?	79.7	67	54.8	41.3	33.9	34.1	40.8	46.9	52.5	61.1	65.8	70.4	75.4	81.3	86.3	66.5 ?
12	89.4	93.6	92.9	92.2	95.6	97.7	97.9	94.2	85.6	68.5	57.1	52.2	48.8	50.2	52.6	65.7	68.3	74.6	81.3	87.9	91.9	91.4	92.8	96.3	79.9
13	99.3	100.6	101.9	102.6	103.3	104.2	104.7 ?	101.4	93.5	88.1	81.5	72.4	68.3	69.8	69.8	62.4	56.2	63.3	71.9	80.6	85.4	89.3	90	89	85.4
14	92.4	92.5	88.5	87.6	87	86.4	84.3	83.5	80.8	75.8	67	61.4	54.2	48.2	45.6	50.6	61.9	75.7	79.7	81	82.8	86.7	91.3	94.9	76.7
15	96.8	97.9	98.9	100.4	101.4	100.5	97.9	92.8	85.9	80.9	76.9	72.5	66.5	62.7	58.3	58.3	66.5	78.1	85.2	88.4	92.6	93.6	92.3	96.8	85.1
16	99.7	102.5	103.3	104.1	105 ?	?	?	?	?	?	?	?	?	?	?	?	?	103.4 ?	104.3 ?	104.4 ?	?	104.8 ?	103.8	104.2	103.6 ?
17	102.7	102.6	100.7	98	96.9	98	99	96.1	92.4	86.3	78.4	72.8	74.5	75.7	72.9	68.4	62.4	61.7	64.9	67.8	60.2	65.6	71.6	70.1	80.8
18	70.2	76.7	78.6	81	84	87.5	85.8	80	66	55.9	43.9	37.2	34.7	33.8	33	31.9	32.1	32.7	38.3	42.7	46.7	52.4	56.6	57	55.8
19	55.3	56.6	59.7	67.3	65.4	71.3	67.8	75.1	58.6	53.3	45.9	41.3	39.3	38.2	39.2	38.7	40.3	45.8	52	59.9	66.8	68.4	70.7	69.2	56.1
20	72.4	74.8	75.6	75.1	74.8	72.2	67.8	67.1	64.6	62.4	59.8	58.8	57.4	55.5	53.1	65.3	67.7	70.1	75	80.3	81.8	82.1	73.5	69.6	69
21	77.9	78.6	85.4	87.2	81.5	79.5	79.9	76.8	76	75.6	77.2	81	83.7	86.5	89.2	90.1	90.9	92.7	95.5	97.6	98.7	99.4	100.5	102.1	86.8
22	102	102.6	103.6	102.9	103.1	104	104.2	102.1	94.5	83.2	79.4	76.2	71.6	68.5	68	67.4	67.6	72.3	82.1	88	91.5	93.2	94.6	95.5	88.3
23	96.6	98.2	99.3	101	102.7	103.8	103.3	98.8	88.3	83.8	78.6	72.9	68.7	63.7	60.4	57.3	55.6	61.2	68.5	78.9	84.5	87	85	83.2	82.6
24	85.4	85.3	83.4	86.3	90.7	95.5	97.7	97.6	92.4	86.2	79.6	72.7	66.4	70.6	73.2	76.4	84.5	90.6	96.2	100.3	102.4	102.8	103.4	103.8	88.5
25	104.6	?	?	?	104.9 ?	104.3	102.5	97.7	88.2	81.1	77.8	77	76.7	81	84.3	86	91.7	94.7	94.6	93.6	95.9	98.2	99.6	100.6	92.1 ?
26	102.2	103.4	104.1	103.2	103.4	103.4	103.6	102.7	100.6	96.6	94	89.3	78.6	76.9	73.8	70.1	69.6	76.2	83.2	85.2	89.1	90.2	91.3	92.7	91
27	94.3	94.7	93.9	94.3	94.5	95.6	96.2	96	92.8	89.7	85	80	74.7	69.9	62.2	56.5	55.1	57.8	55.6	60.5	71.3	75.8	79.3	82.8	79.5
28	86	91.2	91.7	87.7	88.4	93.7	92.6	88	73.5	68.7	67.7	75.8	78	76.3	74.5	75.8	82	86.9	93.5	95.4	96.1	94.2	92.1	93.7	85.1
29	90.7	90.4	80.9	73.5	72.3	67.5	64.3	62.7	63.8	59.1	57.1	45.6	39.7	31.2	33.3	32.9	50.3	59.1	58.2	61.3	66.1	76.4	81.5	82.8	62.5
30	82.3	82.4	82.6	84.3	84.4	86	91.6	78.4	71	62.5	51.9	45.1	37	35.2	37.7	52.3	57.2	63	72.7	80.2	81.6	85.9	88.2	89.9	70.1
31	90.5	94.7	98.3	99.8	99.6	100.4	99.4	88.6	74	60.8	57	53.7	51.9	51.8	51.7	53.2	60	63.2	59.6	62	67	64.3	64.4	68.2	72.3
Avg	86	87.2	87.8	88.8	89.6	89.1	88.3	85.9	80.5	73.9	68.6	63.8	59.3	57.2	55.8	56.5	59.1	65.7	72.1	76.2	77.7	80.8	82.4	84	76
S D	16.2	15.2	12.9	11.7	12.1	12.2	13.4	12.5	12.9	13	14.3	15.1	15.5	17.1	18	18	18.7	19.9	19.7	19.6	19.2	18	16.5	16.7	13.2
S/A	0.19	0.17	0.15	0.13	0.13	0.14	0.15	0.15	0.16	0.18	0.21	0.24	0.26	0.3	0.32	0.32	0.32	0.3	0.27	0.26	0.25	0.22	0.2	0.2	0.17
Min	41.9	46.4	59.7	67.3	65.4	67.5	64.3	62.7	56.7	53.3	43.9	34	29.9	28.4	28	28.2	25.5	28.3	36.2	40.1	39.5	41.1	50.2	42.7	53.9
Max	104.6	103.9	104.1	104.1	105	104.3	104.8	102.7	100.8	100.1	98.8	89.3	83.7	86.5	89.2	90.1	91.7	103.4	104.3	104.4	102.4	104.8	103.8	104.5	103.6
n	357	346	336	336	329	324	315	331	354	360	360	360	360	360	360	360	360	362	364	363	360	362	372	372	8463

Data Recovery: 0.0% missing; 0.0% untested; 5.2% failed QC -- 8928 total measurements.

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 0.10 %/mV Calibration Date: 01/1999

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

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

Prepared by: Afshin M. Andreas, NREL

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

March 2007

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	2.8	3.1	3	2.9	3.3	3.8	3.8	4.6	7.7	11.2	14.2	16.3	17.5	18	17.8	18.3	18.8	18.4	17.5	16.5	16	16.5	16.9	16.5	11.9
2	15.6	15.3	15.1	15.4	15.5	15.6	16.1	16.9	18	18.3	18.5	21	22.5	22.8	21.7	21.3	21.5	21.3	18.5	15.9	14.8	14.1	13.4	13.3	17.6
3	12.7	11.9	11.2	10.7	10.4	10.1	9.6	9.3	10.1	12.6	13.5	14.6	17.1	18.4	19.2	20.1	20.5	19.2	17.3	15.7	14.7	13.8	12.5	11.3	14
4	10.7	10.1	9	7.3	5.6	4.2	3.6	3.7	6	8.5	10.5	12	12.6	12.5	12.1	12	11.8	10.8	8.2	5.3	3.5	2.6	1.9	1.1	7.7
5	0.4	-0.3	-1	-1.7	-2	-2.4	-2.7	-1.5	1.4	4.4	7.1	9.5	11.5	13.1	14.8	16.2	16.9	16.8	15.1	13.3	12.3	11.5	10.2	8.6	7.1
6	6.7	5.2	4.2	3.4	2.6	1.7	0.5	0.3	1.6	3.3	5.2	6.7	7.6	7.9	8.2	9	9	7.7	3.9	1	-0.5	-1	-1.2	-1.4	3.8
7	-1.5	-1.4	-1.8	-1.8	-0.8	0.4	1.4	2.3	3.5	5.6	8.5	11.2	14.7	17.4	19.4	20.7	20.9	20.6	16.2	9.8	6.9	5.1	3.7	2.9	7.7
8	2.3	1.7	1.2	0.7	-0.1	-0.8	-1.2	-0.7	1.4	3.7	5.8	7.9	9.5	10.2	10.9	11.4	11.6	9.6	5.8	2.7	1.3	0.7	0.4	0.2	4
9	0	-0.3	-0.7	-0.8	-0.7	-0.7	-0.3	1.4	4.5	7.7	10.2	12.1	13.6	14.2	14.3	14.4	14	12.1	8.8	6.3	5.2	4.7	4.5	4.5	6.2
10	4.8	5	5.3	5.5	5.5	4.9	4.2	5	8.4	12.9	17.5	20.2	22.1	22.7	21.6	20.5	19.2	17.7	15.9	14.2	13.1	12.4	11.5	10.7	12.5
11	10	9.8	9.7	10	10.5	10.6	10.9	11.4	12.1	13.7	16.3	18.2	19	19.4	20.2	20.7	20.1	18.5	14.9	11.2	9	7.3	5.8	4.7	13.1
12	4	4	4.1	3.8	3.3	2.5	2	2.4	6.1	9.8	13.1	15.6	17.4	18.5	18.8	18	14.9	12.1	9.4	7.5	6.3	5.6	5.2	4.9	8.7
13	4.3	4.6	5.2	5.1	4.9	5.1	5.6	6.8	9	11.8	16.1	20	22.1	21.1	21.1	22.4	23.5	23.2	20.5	17.7	16.2	15.1	14.3	13.8	13.7
14	13.3	12.8	13.1	13.6	13.8	13.8	13.9	14.2	15.3	17.6	21.4	25	27.3	28.5	29.1	29.2	27.6	25	22.7	21	19.8	18.8	17.8	16.8	19.6
15	16	15.6	15.2	14.9	14.5	14.2	14.1	14.8	17.2	20.1	22.5	24	25.8	26.9	27.9	28	27.7	25.7	23.3	21.3	20	19.3	18.5	15.6	20.1
16	13.3	11.4	10	9.2	8.7	8.5	8.4	8.7	9.3	9.9	10.7	11.5	12.9	14.3	15.2	16	16.7	16.6	13.2	9.4	7.4	6.1	5	4.1	10.7
17	3.5	2.9	2.1	1.3	1.1	0.6	0.5	0.9	2.4	4.7	7.6	8.6	8.1	7.1	7.1	7.5	7.9	7.7	6.3	4.8	3.5	2.6	1.2	0.3	4.2
18	-0.1	-0.5	-1	-1.6	-1.8	-2.1	-2.1	-0.6	2.4	5.3	7.4	8.8	9.7	10.4	10.7	11.2	11.2	10.7	8.7	5.4	3.1	1.5	0.2	-1.2	4
19	-1.2	-1.3	-2.3	-3.1	-3.7	-4	-4.2	-1.3	4.5	8.9	11.6	13.2	14.2	14.5	15.3	16.2	16.7	16.4	14.1	11.8	10.6	10.1	10.3	10.8	7.4
20	11.2	11	10.7	10.8	11.1	10.8	11.1	12.4	14.7	16.9	19.1	21.2	23.1	24.4	25.7	24.6	22.3	20.3	17.5	15	13.6	12.5	11.8	11.3	16
21	10.8	10.3	9.9	9.7	9.6	9.4	9.3	9.2	9.6	10.2	11	11.9	12	11.8	11.3	10.8	10.6	10.3	10	9.9	9.8	9.8	9.9	9.7	10.3
22	9.7	9.5	9.4	9.5	9.6	9.4	9.3	10.5	14.3	18.8	22.1	24	24.6	24.8	25.4	26.1	26.1	24.8	21.9	19.5	17.8	16.7	15.9	15.3	17.3
23	14.7	14.4	14	13.6	13.2	12.9	12.7	13.7	16.8	19.7	22.4	24.8	26.5	27.7	28.6	29.4	29.4	28.8	26.1	23	20.9	19.4	18.5	18	20.4
24	17.5	17.2	17.3	17.2	16.8	16	15.1	15.4	17.6	20.2	24	27.4	29.7	30.2	28.8	27.2	24.9	21	18.1	15.6	14.3	13.4	12.9	12.3	19.6
25	11.8	11.5	11.5	11.4	11.6	11.6	11.4	12.7	15.3	17.1	17.9	18.2	17.9	17.4	16.4	15.3	14.2	12.2	10.8	9.8	8.9	7.6	6.7	6.2	12.7
26	6	5.7	5.6	5.7	6	6.5	6.8	8	9.7	12.8	15.1	17.4	20.5	22.3	22.9	23.6	23.7	22.7	20.5	18.8	18	17.6	17.3	16.9	14.6
27	16.5	16.2	16.1	16.2	16.2	16.3	16.3	16.5	17.9	19.8	21.9	23.8	25.8	27.7	29.2	30.4	30.9	30.7	28.8	26.1	24.4	23.1	22.2	21.4	22.3
28	20.6	19.8	18.9	18.5	18.1	17.3	16.6	18	20.9	23.6	25.6	26.9	25.3	24.2	23.7	22.7	20.7	18.6	16.5	14.8	13.6	13	13.1	13.2	19.3
29	13.2	12.8	11.1	10.2	10.6	11	11.1	11	11.3	11.9	12.5	14.5	16.5	17.3	17.5	18.2	18.7	17.1	13.9	10.1	7.9	5.9	4.2	3.3	12.2
30	2.6	2.4	2.2	2.2	2.4	2.4	2.1	4.6	9.5	13.5	16.4	18.4	19.9	21.2	22.2	22.4	21.6	20	16.4	12.2	9.8	8.5	7.7	6.9	11.1
31	6.6	6.7	6.7	6.9	6.9	6.9	7	9.5	13.6	17.4	20.5	22.9	24.5	25.5	26	26.7	25.7	23.3	21.7	20.7	19.6	18.6	18.1	17.5	16.7
Avg	8.3	8	7.6	7.3	7.2	7	6.9	7.7	10.1	12.6	15	17	18.4	19.1	19.5	19.7	19.3	18.1	15.6	13.1	11.7	10.7	10	9.3	12.5
S D	6.2	6.1	6.1	6.2	6.2	6.2	6.2	6	5.8	5.7	5.8	6.1	6.2	6.4	6.5	6.4	6.2	6.1	6.1	6.3	6.4	6.4	6.5	6.4	5.5
S/A	0.74	0.76	0.81	0.85	0.87	0.89	0.91	0.78	0.57	0.45	0.39	0.36	0.34	0.34	0.33	0.32	0.32	0.34	0.39	0.48	0.54	0.6	0.65	0.69	0.44
Min	-1.5	-1.4	-2.3	-3.1	-3.7	-4	-4.2	-1.5	1.4	3.3	5.2	6.7	7.6	7.1	7.1	7.5	7.9	7.7	3.9	1	-0.5	-1	-1.2	-1.4	3.8
Max	20.6	19.8	18.9	18.5	18.1	17.3	16.6	18	20.9	23.6	25.6	27.4	29.7	30.2	29.2	30.4	30.9	30.7	28.8	26.1	24.4	23.1	22.2	21.4	22.3
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI 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

March 2007

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	2.1	1.2	0.3	0.8	0.6	0.5	0.9	2.8	3.2	3.5	2.5	2.8	3.8	3.2	2.9	3	4.5	4	4.1	2.5	3.6	4.5	5.7	5.3	2.8
2	5.2	4.7	5.3	7.2	8	5.7	5.4	7	7.1	6	5.3	6.5	6.6	6	5	5	4.2	2.2	0.9	1.2	0.9	1.1	2.3	1.9	4.6
3	1.4	1	1	1.5	1.3	1.4	1.3	1.7	2.5	3	3.2	3	4.5	6.5	8	7.4	5.1	3.7	2.8	3.2	3.4	3.3	2.6	2.6	3.1
4	2.6	2.7	2.7	1.5	0.8	1.8	1.9	2.5	3.5	3.7	3.8	3.8	5	5	5	5.2	4.8	4	2.7	1.8	1.9	2.6	2.3	2.4	3.1
5	2.1	2.5	2.2	2.5	2.6	2.2	3.1	4	4.6	5.6	6.1	6.7	6.8	7.1	7.2	7.6	6.6	5.8	4.5	4.6	4.1	2.7	1.4	2.8	4.4
6	1.7	1.6	2.4	3.1	3.9	4.8	4.2	4.2	5.2	4	4.2	4.4	4	3.9	3.1	2.6	3.1	3	3.7	2.3	2.7	2.9	1.7	2	3.3
7	1.7	1.2	1.4	1.5	1.9	2.7	3.1	3.3	3.7	3.9	3.5	3.1	5.3	7	7.3	5.9	4.8	2.8	5.3	5.6	5.9	4.8	4.5	4.2	3.9
8	4	3.3	3.9	4.2	3.4	3.4	3.3	3.2	3.7	4.2	3.3	2.9	2.9	2.4	2.4	2.1	3.4	3.2	2.6	2.2	2.2	2.1	2.1	1.8	3
9	1.9	2	2.3	1.8	1.8	2.3	3.2	2	2.7	4	3.3	3.3	3.5	3.6	3.5	3.2	3.2	3	2.3	2.1	2	1.9	1.4	1.4	2.6
10	1.8	1.4	1.2	0.2	0.1	0	0	0	0.8	1.8	3.3	3.2	2.8	4.7	5	5.3	4.7	4.5	2.5	1.8	1.7	1.1	1.6	0.8	2.1
11	1.1	1.3	1	1.3	1	1.7	1.4	1.7	2.8	5.4	5.1	4.9	4.1	3.4	3.1	3.6	3	2.8	1.7	1.5	1	0.3	0.3	0.2	2.2
12	0.8	1.6	1.4	1.3	0.9	0.4	0.2	0.7	1.8	1.7	1.7	1.7	1.2	1.6	2.2	3.7	3.7	3.2	1.9	1.8	1.5	1.3	0.6	0.2	1.5
13	0.8	0.8	0.3	0	0.1	0.3	0.8	1.2	1	1.7	1.5	2.5	3	2.2	2.7	2.1	2.5	2.3	1.6	2	2.1	2	2	2.2	1.6
14	1.8	1.9	1.7	1.6	1.7	1.9	1.8	2.2	2.1	2.2	2.9	3.6	4.4	4.9	4.8	4.7	4.4	4	3.9	3.5	3.2	3.4	2.7	2.4	3
15	2.4	2.6	2.8	2.4	2.3	2.4	3	3	3.8	4.7	4.9	4.5	5.4	4.3	4.6	4	3	3.4	2.9	2.4	2.6	3.1	3.7	3.8	3.4
16	4.3	4.6	4.5	4.3	3.5	2.6	3.1	2.8	2.4	2.5	0.8	0.6	0.3	0	0.6	3.5	5.2	4.5	4.8	3	3.3	3.7	4.4	3.8	3
17	4	2.6	3	2.9	2.9	2.3	1.7	1.9	2.4	3	3.6	4	3.9	4.9	5.4	5.4	4.6	3.9	2.5	2.1	2.8	1.5	1.6	2.1	3.1
18	2	1.9	1.7	1.8	1.8	2.1	2.4	3.1	3.6	4.3	4.1	4.3	3.6	4.4	4.1	3.8	3.6	2.6	1.3	0.9	0.7	0.8	0.1	0.8	2.5
19	0.7	0.1	0	0	0	0	0	0.2	2	2.9	3.2	3.9	4.3	4.4	4.8	5	5.3	4.2	4	4.1	4	4.6	5	5.5	2.8
20	4.4	4.2	4	3.8	3.4	3.6	3.9	4.9	4.9	5.9	5.2	4.4	3.7	3.5	2.8	4.5	4.3	4.3	3.1	3.1	3.4	4	4.6	4.3	4.1
21	4.2	4.2	5	5.5	5.6	5.2	5.1	4.8	4.4	4.6	4.3	4.3	4.4	4	3.8	3.2	3.1	2.9	2.3	1.6	1.1	0.9	0.8	0.6	3.6
22	0.1	0	0	0	0	0.1	0.5	0.9	1.9	3.2	3.7	4.3	3.8	4.2	4.7	4.2	4.3	3.6	3	3.9	3.4	2.8	2.7	2.9	2.4
23	2.6	2.3	2	1.8	2	1.8	1.9	2.7	4.7	4.4	4	4.3	3.9	3.7	3.7	4.2	3.8	2.5	2	2.6	2.7	2.9	3	2.7	3
24	2.5	2.7	2.3	1.7	1.1	0.4	0.2	1.3	2.5	3.1	2	1.7	2	3.4	2.9	3	3.4	2.4	2	2.1	2.1	1.8	1.4	0.8	2
25	0.4	0.6	0.2	1.2	2.6	2.9	2.7	3.9	6	6.5	6.2	6.4	6.3	5.6	6.1	5.7	5.3	4.4	3.7	4.2	2.8	2.4	2.3	2	3.8
26	2	2.1	2.6	2.1	2.3	1.7	1.2	0.9	2	1.1	1.2	2	3.6	3.2	3.3	3.5	3.4	2.8	2.8	3.6	4.2	4.3	3.7	3.9	2.6
27	3.5	3.3	3.9	4.4	4.4	4.2	3.8	3.8	4.6	5.1	5.2	4.6	4.1	4.3	4.4	4.3	3.8	2.7	1.7	1.7	1.9	1.6	1.9	1.9	3.5
28	1.9	1.4	2.1	1.3	1.1	0.5	0.4	0.3	1.3	1.9	2.8	4.9	4.7	4.7	5	5.6	4.1	3.6	3.1	3.2	3.4	2.5	1.5	2.1	2.6
29	1.3	3.6	3.3	2.2	2.8	4.2	3.8	4.5	4.8	4.6	4.2	4.2	4.3	4.9	3.8	2.8	3.5	3.1	2.2	2.2	0.9	0.2	1.1	0.5	3
30	1	0.7	1.1	1.4	1.1	0.7	0.5	0.9	1.8	2.2	2.4	2.4	1.5	1.4	2	2.7	2.5	3.1	2.3	1.6	1.7	1.4	1	1.3	1.6
31	1.7	1.6	1.6	0.8	1.1	0.7	0.9	1.9	2.9	3	2.8	2.9	3	3.1	2.8	2.7	3.4	2.7	3.7	3.6	2.8	2.3	2.6	2.3	2.4
Avg	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.5	3.2	3.7	3.6	3.7	3.9	4	4.1	4.2	4	3.4	2.8	2.6	2.6	2.4	2.3	2.3	2.9
SD	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.6	1.5	1.4	1.4	1.4	1.4	1.6	1.6	1.4	0.9	0.8	1	1.1	1.2	1.3	1.4	1.4	0.8
S/A	0.58	0.6	0.66	0.78	0.81	0.76	0.73	0.64	0.46	0.39	0.38	0.37	0.37	0.39	0.4	0.34	0.23	0.24	0.37	0.41	0.46	0.53	0.61	0.61	0.26
Min	0.1	0	0	0	0	0	0	0	0.8	1.1	0.8	0.6	0.3	0	0.6	2.1	2.5	2.2	0.9	0.9	0.7	0.2	0.1	0.2	1.5
Max	5.2	4.7	5.3	7.2	8	5.7	5.4	7	7.1	6.5	6.2	6.7	6.8	7.1	8	7.6	6.6	5.8	5.3	5.6	5.9	4.8	5.7	5.5	4.6
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

March 2007

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	183	182	219	205	154	126	153	157	161	183	152	157	170	158	168	191	193	181	175	180	211	210	209	205	183
2	206	198	205	216	212	204	204	238	277	278	273	288	316	320	324	319	316	313	266	270	278	251	277	278	259
3	273	274	303	282	282	262	244	251	265	278	275	269	263	274	285	278	274	267	260	263	269	266	266	281	272
4	297	20	63	39	338	343	343	334	341	344	347	337	321	319	324	322	330	346	345	340	329	326	328	327	336
5	326	326	326	323	317	317	314	309	309	312	314	302	307	302	303	305	305	296	286	282	286	313	359	103	307
6	108	92	80	61	70	64	59	50	54	63	45	46	52	48	42	42	70	99	112	124	123	126	136	143	71
7	131	118	115	118	127	148	154	171	182	196	228	255	269	290	287	289	289	316	96	92	84	76	66	69	172
8	65	64	55	62	58	58	60	56	78	78	83	97	121	131	169	137	151	134	142	143	128	122	96	70	92
9	61	92	98	111	95	112	124	109	118	141	144	129	109	112	128	114	113	119	127	134	127	131	130	144	119
10	128	132	141	120	62	63	5	126	161	163	190	202	217	162	157	160	171	179	191	210	217	219	221	244	177
11	233	246	249	256	263	290	291	333	43	56	61	57	48	56	82	117	118	110	138	123	117	100	80	57	71
12	64	76	58	50	50	20	28	46	82	58	59	86	83	172	147	162	156	154	151	166	182	199	177	133	125
13	171	205	202	221	190	209	213	212	200	227	242	207	224	209	173	196	223	218	230	223	227	230	234	237	216
14	234	242	240	233	228	232	237	242	250	248	254	246	252	258	254	230	227	221	219	228	232	238	241	239	239
15	240	237	239	238	233	241	239	252	275	272	275	274	282	269	272	269	226	220	220	221	233	238	49	58	256
16	62	73	74	80	77	84	91	96	96	103	91	104	114	334	168	205	217	281	353	6	353	354	358	357	50
17	358	358	346	356	354	350	346	352	347	344	341	332	325	316	320	325	327	332	347	346	353	339	310	328	338
18	321	320	340	329	318	319	329	347	351	348	353	352	350	343	343	344	339	333	337	326	302	280	282	340	339
19	20	27	46	295	19	315	301	170	161	194	228	246	229	236	238	236	233	233	230	233	236	250	257	235	
20	252	254	260	259	261	272	277	280	285	286	301	300	292	306	54	113	116	116	122	123	122	113	114	111	256
21	109	105	105	104	106	102	104	105	103	104	101	102	99	95	92	90	96	99	93	95	64	65	81	112	100
22	42	78	0	1	329	215	211	267	232	232	245	251	241	241	231	236	237	236	227	220	223	239	241	237	236
23	249	256	254	253	250	254	248	257	274	281	281	265	269	265	261	261	265	235	234	234	231	243	243	244	257
24	252	266	262	259	252	253	244	263	303	308	332	338	64	115	120	106	89	94	110	138	134	156	179	185	149
25	196	229	238	37	57	71	64	78	92	91	89	90	93	90	103	94	106	98	99	105	93	85	92	74	91
26	64	81	94	100	113	99	87	78	120	131	142	187	219	230	225	244	242	232	234	233	241	248	256	261	215
27	264	259	271	277	279	279	281	279	290	306	302	306	310	302	306	310	310	294	309	295	294	303	301	307	293
28	310	304	312	329	322	344	309	320	45	58	95	88	83	83	91	95	94	96	102	111	106	95	70	52	81
29	67	98	102	79	83	96	95	92	89	85	84	85	98	106	102	99	117	114	114	122	123	320	315	331	96
30	328	329	340	345	14	355	348	48	64	70	75	86	73	111	144	225	219	177	169	176	194	176	210	224	140
31	211	227	249	246	245	236	240	250	255	249	253	248	232	259	261	228	182	187	207	209	223	235	239	248	233
Avg	253	192	62	356	75	80	138	290	335	318	316	301	289	282	266	247	220	199	176	188	207	223	243	253	220
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

March 2007

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.1	2.1	0.9	1.4	1.3	1	1.3	4.4	4.9	5.4	4.1	4.3	5.9	5.2	4.5	5.5	7.5	6.1	6.3	4	6	7.2	9.1	8.6	4.6
2	8.8	7.7	8.8	12.5	13.4	9.7	8.7	11.3	11	10.1	8.7	10.5	11.6	10.6	9.3	8.8	7.4	3.6	1.5	2	1.5	1.8	3.3	2.8	7.7
3	2.1	1.5	1.5	2.1	2	2	2.2	2.8	3.8	4.6	4.7	5.2	7.1	10.6	12.3	11.2	8.2	5.6	4.5	5	5.4	5.3	4.1	3.7	4.9
4	4	4.8	4.6	2.9	1.6	3.6	3.8	4.7	7.1	6.9	7.4	7	9	8.7	8.8	9.3	8.9	8	5.1	3.7	3.6	4.6	4.5	4.4	5.7
5	4.3	4.3	3.9	4.4	4.3	3.7	4.9	6.6	7.4	9.3	10	10	11.1	11.1	12.6	12.4	10.6	9.7	6.8	6.8	6	4.2	3	4.5	7.2
6	3	2.6	4.2	5.4	7	8.3	7.1	7.2	8.5	7.2	7.6	7.7	7.8	7.3	5.6	5.4	5.4	5.3	5.9	4.2	4.6	4.7	3	3.6	5.8
7	3.1	2.4	2.6	2.6	3.1	4.5	4.8	5.5	5.8	6.4	5.7	5.3	8.7	11.1	11.5	9.3	7.9	4.7	8.1	9	9.9	8.5	7.5	7.3	6.5
8	6.8	6	6.3	7.2	5.7	5.9	5.8	5.6	6.1	6.8	5.9	5	5.2	4.3	4.3	3.5	5.3	5.3	4.5	3.6	3.6	3.3	3.4	3.1	5.1
9	3.5	3.3	3.6	3.3	2.8	3.7	5.2	3.6	4.8	6.4	5.6	5.4	6	5.8	5.5	5.2	5.1	4.7	3.9	3.6	3.1	3	2.4	2.3	4.2
10	2.5	2.2	1.9	0.6	0.3	0.2	0	0.2	1.9	3.4	5.5	5.7	4.6	7.3	7.7	7.9	7.4	7.1	4.1	3.1	2.8	1.8	2.5	1.5	3.4
11	1.9	1.9	1.7	2	1.7	2.4	2.2	3.4	5.3	9.4	8.5	8.7	6.9	6.1	4.9	5.6	4.9	4.6	3	2.6	1.8	0.7	0.5	0.7	3.8
12	1.5	2.6	2.6	2.3	1.8	1.1	0.8	1.7	3.3	3.4	3.6	3.6	2.7	3.5	4.1	5.8	5.7	5	3.3	2.9	2.6	2.3	1.2	0.6	2.8
13	1.3	1.6	1.1	0.1	0.2	0.8	1.5	2.2	1.9	2.9	2.7	4	5.1	3.6	4.2	3.6	4.4	3.7	2.7	3.3	3.3	3.1	2.9	3.4	2.7
14	2.9	2.8	2.8	2.5	2.6	3.3	2.7	3.4	3.5	3.5	4.8	6.3	7.3	8.4	8	7.8	7.3	6.4	6.3	5.8	5.4	5.6	4.6	3.9	4.9
15	4	4	4.5	3.8	3.7	3.9	4.6	4.8	6.6	7.5	7.8	7.2	8.6	6.9	7.5	6.5	5	5.8	4.6	3.8	4.6	5.3	6.3	6.2	5.6
16	7	7.8	7.5	7.3	6.2	4.6	5	5.2	4.4	4.7	2	1.8	1.1	0.3	1.7	6.3	8.3	8.2	9.5	6.5	7.1	8.4	9.3	8.2	5.8
17	8.3	6.2	6.5	6.3	6.5	5.5	4.4	5.1	5.5	6	7.5	7.4	7.5	8.3	9.7	9.3	8.5	7.6	4.8	4.2	5.9	2.9	2.5	3.6	6.2
18	3.4	3.2	3.5	3.5	3	3.4	4.4	6.1	7.6	8.7	7.9	8.8	7.9	8.4	7.8	8	6.9	5.3	2.6	1.7	1.2	1.3	0.2	1.3	4.8
19	1.1	0.3	0.1	0.1	0.2	0.1	0.1	0.4	3.3	5.1	5.6	6.4	7	7.7	8	8.3	8.6	7	6.6	6.9	6.9	7.4	8.2	9.4	4.8
20	7	6.5	6.6	6.2	5.5	5.9	6	7.6	7.4	8.9	7.7	6.9	6.2	6.1	5.1	7.1	7	7.1	4.9	4.9	5.3	6.5	7.7	7.3	6.6
21	7	7.2	8.4	9	8.9	8.7	8.3	8.1	7.4	7.5	6.9	7.1	6.8	6.4	6	5.1	5.1	4.6	3.7	2.8	2	1.9	1.6	1.4	5.9
22	0.5	0.1	0	0.3	0.2	0.5	1	1.7	3.4	5.9	6.5	7	6.4	7.1	8	7.4	7.4	6.2	5.1	6.8	5.4	4.8	4.4	4.7	4.2
23	4.1	3.7	3.2	2.8	3.1	2.9	3	4.4	7.3	6.9	6.2	6.9	6.5	6	6.7	6.4	6.2	4.2	3.4	4.5	4.3	4.6	4.7	4.2	4.8
24	4.1	4.4	3.7	2.9	1.9	1.1	0.7	2.1	4.2	5.4	3.8	3.5	3.8	5.4	4.6	4.5	5.3	3.8	3.3	3.4	3.3	2.9	2.4	1.6	3.4
25	1.1	1.5	0.7	2.7	4.3	4.8	4.8	6.6	10.1	10.2	10.3	10.2	10.4	8.7	9.9	9.4	8.3	7.5	6.3	6.8	4.6	4	3.6	3.5	6.3
26	3.3	3.5	4.1	3.5	4.2	2.9	2.4	2	3.5	2.2	2.4	3.7	6	5	5.6	5.7	5.8	4.9	4.9	6	6.8	6.9	6.1	6.3	4.5
27	5.3	5.4	5.9	6.7	6.6	6.6	5.8	6	7.3	8	7.9	7	7	7	7	6.9	6.1	4.1	2.6	2.4	2.7	2.2	2.5	2.5	5.5
28	2.4	2.1	3	2	1.7	0.9	0.8	0.9	2.7	3.1	4.6	7.6	8	7.7	8.1	9.1	6.5	6	5.2	5.1	5.4	4.2	2.8	3.9	4.3
29	2.7	5.7	5.8	4.1	4.7	7	6.5	7.2	7.6	7.7	7	7.1	7.6	7.9	6.4	5.4	6	5.2	4	3.9	1.7	0.4	1.7	1.1	5.2
30	1.7	1.4	2.1	2.6	2.1	1.5	1.3	2.2	3.3	3.9	4.4	4.6	3.2	3	3.6	4.4	4.3	4.6	3.7	2.6	2.8	2.1	1.9	2.4	2.9
31	2.9	2.6	2.7	1.5	1.8	1.5	2	3.4	4.6	4.6	4.6	5	5.1	5.5	4.7	4.7	5.2	4.3	5.8	5.9	4.3	3.7	4	3.8	3.9
Avg	3.7	3.6	3.7	3.7	3.6	3.6	3.6	4.4	5.5	6.2	6.1	6.3	6.7	6.8	6.9	7	6.7	5.7	4.7	4.4	4.3	4.1	3.9	3.9	5
SD	2.2	2.1	2.4	2.8	2.9	2.6	2.4	2.5	2.3	2.2	2.1	2.1	2.3	2.4	2.6	2.2	1.5	1.5	1.7	1.7	2	2.2	2.4	2.4	1.3
S/A	0.59	0.59	0.64	0.75	0.8	0.72	0.67	0.58	0.42	0.36	0.35	0.33	0.34	0.36	0.38	0.31	0.23	0.26	0.36	0.39	0.46	0.54	0.62	0.6	0.25
Min	0.5	0.1	0	0.1	0.2	0.1	0	0.2	1.9	2.2	2	1.8	1.1	0.3	1.7	3.5	4.3	3.6	1.5	1.7	1.2	0.4	0.2	0.6	2.7
Max	8.8	7.8	8.8	12.5	13.4	9.7	8.7	11.3	11	10.2	10.3	10.5	11.6	11.1	12.6	12.4	10.6	9.7	9.5	9	9.9	8.5	9.3	9.4	7.7
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: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

March 2007

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	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1017	1016	1015	1014	1013	1012	1012	1011	1010	1010	1010	1009	1008	1007	1014	
2	1005	1002	1001	999	999	998	996	996	997	997	997	998	998	999	1000	1001	1001	1002	1003	1004	1005	1006	1006	1006	1001	
3	1006	1006	1005	1005	1005	1006	1006	1007	1007	1006	1006	1005	1004	1002	1002	1001	1001	1002	1002	1003	1003	1004	1004	1005	1004	
4	1005	1006	1007	1007	1009	1009	1010	1010	1011	1011	1011	1011	1010	1010	1010	1010	1011	1012	1013	1014	1015	1015	1015	1015	1011	
5	1015	1015	1015	1016	1016	1016	1016	1017	1017	1017	1016	1015	1014	1013	1012	1011	1011	1011	1012	1012	1013	1014	1015	1016	1014	
6	1016	1017	1018	1019	1021	1022	1024	1025	1026	1027	1028	1028	1027	1027	1027	1027	1027	1028	1028	1028	1029	1029	1029	1028	1025	
7	1028	1028	1027	1026	1026	1025	1024	1023	1022	1021	1020	1019	1017	1015	1014	1013	1013	1014	1015	1016	1018	1019	1019	1020	1020	
8	1020	1020	1020	1020	1021	1021	1022	1023	1023	1024	1024	1024	1023	1022	1022	1022	1022	1023	1024	1024	1025	1026	1027	1027	1023	
9	1027	1027	1027	1027	1027	1028	1028	1028	1029	1029	1029	1029	1029	1029	1028	1027	1027	1027	1027	1027	1027	1027	1026	1026	1025	1027
10	1025	1025	1024	1024	1024	1024	1024	1025	1025	1025	1025	1024	1023	1022	1021	1020	1020	1020	1021	1021	1021	1021	1021	1021	1020	1023
11	1020	1019	1019	1019	1019	1019	1019	1019	1021	1021	1022	1022	1023	1022	1022	1021	1021	1021	1022	1022	1023	1024	1024	1024	1025	1021
12	1025	1025	1025	1025	1025	1025	1026	1026	1026	1026	1026	1026	1026	1025	1024	1024	1023	1023	1023	1023	1023	1023	1023	1023	1024	1024
13	1023	1023	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1022	1022	1021	1020	1019	1019	1019	1019	1020	1020	1020	1020	1021
14	1020	1019	1019	1019	1019	1019	1019	1020	1020	1020	1019	1018	1018	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1015	1015	1017
15	1015	1014	1014	1013	1013	1014	1014	1014	1014	1015	1015	1015	1014	1013	1012	1012	1011	1011	1012	1012	1013	1013	1013	1014	1014	1013
16	1014	1014	1013	1012	1012	1012	1011	1011	1010	1009	1008	1007	1005	1004	1002	1000	999	1000	1002	1002	1003	1003	1003	1003	1007	1007
17	1004	1004	1004	1005	1005	1006	1007	1007	1008	1008	1008	1008	1008	1008	1008	1008	1009	1010	1011	1012	1013	1014	1015	1015	1009	1009
18	1015	1015	1015	1015	1016	1017	1017	1018	1019	1020	1020	1020	1019	1020	1020	1020	1021	1022	1023	1024	1025	1026	1026	1026	1020	1020
19	1027	1027	1027	1027	1028	1028	1029	1030	1030	1030	1030	1029	1028	1027	1026	1025	1025	1025	1025	1026	1026	1026	1025	1025	1024	1027
20	1025	1024	1024	1024	1024	1024	1024	1025	1025	1025	1025	1025	1025	1025	1024	1024	1025	1026	1026	1027	1028	1029	1030	1031	1031	1026
21	1031	1032	1032	1032	1032	1033	1033	1034	1034	1035	1035	1035	1034	1034	1033	1033	1033	1033	1033	1032	1032	1032	1032	1031	1031	1033
22	1030	1029	1029	1028	1028	1028	1028	1029	1029	1029	1028	1028	1026	1025	1024	1023	1023	1023	1023	1023	1023	1023	1023	1022	1026	1026
23	1022	1022	1022	1021	1021	1022	1022	1023	1023	1022	1022	1022	1021	1020	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1021	1021
24	1020	1020	1020	1020	1020	1020	1021	1022	1022	1023	1023	1022	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1021
25	1020	1020	1019	1019	1021	1022	1023	1024	1025	1026	1027	1027	1027	1028	1028	1028	1028	1029	1029	1029	1029	1029	1029	1029	1029	1026
26	1029	1028	1028	1028	1028	1028	1028	1028	1028	1029	1028	1027	1026	1025	1024	1023	1023	1022	1022	1022	1021	1021	1021	1021	1021	1025
27	1021	1020	1019	1019	1018	1019	1019	1019	1019	1019	1018	1018	1017	1017	1016	1016	1015	1016	1016	1016	1017	1017	1017	1017	1017	1018
28	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1020	1020	1021	1021	1021	1022	1022	1024	1019	1019
29	1024	1023	1023	1023	1024	1024	1026	1027	1028	1028	1028	1028	1027	1027	1026	1026	1026	1026	1026	1026	1027	1027	1027	1027	1027	1026
30	1027	1027	1026	1026	1026	1026	1027	1027	1027	1028	1027	1027	1026	1025	1023	1023	1022	1022	1021	1022	1022	1022	1022	1022	1025	1025
31	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1019	1019
Avg	1020	1020	1019	1019	1019	1020	1020	1021	1021	1021	1021	1020	1020	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1020	1020
S D	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	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	0.01	0.01
Min	1004	1002	1001	999	999	998	996	996	997	997	997	998	998	999	1000	1000	999	1000	1002	1002	1003	1003	1003	1003	1001	1001
Max	1031	1032	1032	1032	1032	1033	1033	1034	1034	1035	1035	1035	1034	1034	1033	1033	1033	1033	1033	1032	1032	1032	1032	1031	1031	1033
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	

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

Instrument: Viasala PTA-427 Serial Number: 493926 Calibration Factor: 0.104 mBar/mV + 800 mBar Calibration Date: 06/1995

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

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

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

March 2007

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	12.6	12.6	12.6	12.5	12.5	12.5	12.5	13.6	13.8	13.7	13.6	13.6	13.5	13.5	13.5	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13
2	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	12.9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	12.9	12.7	12.7	12.7	12.7	12.6	12.6	12.9
3	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.7	13.7	13.6	13.6	13.6	13.5	13.5	13.5	13.4	13.4	12.8	12.7	12.7	12.7	12.7	12.7	12.6	13
4	12.6	12.6	12.6	12.6	12.5	12.5	12.5	13.6	13.8	13.7	13.7	13.6	13.6	13.7	13.7	13.7	13.7	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1
5	12.6	12.5	12.5	12.5	12.5	12.4	12.6	14	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.6	13.6	13	12.8	12.7	12.7	12.7	12.7	12.7	13.1
6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1
7	12.6	12.5	12.5	12.5	12.4	12.4	12.4	12.6	13.1	13.8	13.7	13.7	13.6	13.5	13.5	13.5	13.5	12.9	12.8	12.7	12.7	12.6	12.6	12.6	12.9
8	12.6	12.6	12.5	12.5	12.5	12.5	12.5	13.9	13.9	13.9	13.8	13.8	13.7	13.7	13.7	13.7	13.7	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1
9	12.6	12.6	12.5	12.5	12.5	12.4	12.6	13.8	13.8	13.8	13.7	13.7	13.6	13.6	13.6	13.6	13.7	13.1	12.7	12.7	12.7	12.7	12.6	12.6	13.1
10	12.6	12.6	12.6	12.6	12.5	12.5	12.6	13.7	13.7	13.6	13.5	13.4	13.4	13.4	13.4	13.5	13.5	13	12.7	12.7	12.7	12.7	12.7	12.7	13
11	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13	13.6	13.5	13.5	13.5	13.4	13.4	13.4	13.5	13	12.7	12.7	12.7	12.6	12.6	12.6	12.9
12	12.6	12.6	12.5	12.5	12.5	12.5	12.5	13.7	13.8	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.6	13.2	12.7	12.7	12.7	12.6	12.6	12.6	13
13	12.6	12.6	12.6	12.6	12.5	12.5	12.5	13.2	13.4	13.6	13.5	13.4	13.4	13.3	13.4	13.4	13.4	13	12.8	12.7	12.7	12.7	12.7	12.7	13
14	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.5	13.5	13.3	13.3	13.2	13.2	13.2	13.2	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
15	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.3	13.5	13.4	13.4	13.3	13.3	13.3	13.2	13.3	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
16	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.6	12.7	12.7	13.3	13.5	13.3	13.3	13	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.7
17	12.5	12.4	12.4	12.4	12.4	12.4	12.5	13.9	13.9	13.8	13.8	13.8	13.5	13.8	13.8	13.8	13.8	13.7	13.1	12.7	12.7	12.7	12.7	12.6	13.1
18	12.6	12.6	12.6	12.5	12.5	12.5	12.9	14	13.9	13.8	13.8	13.7	13.7	13.7	13.7	13.7	13.7	13.1	12.8	12.7	12.7	12.6	12.6	12.6	13.1
19	12.6	12.5	12.5	12.5	12.5	12.5	13	14	13.8	13.7	13.7	13.6	13.6	13.6	13.6	13.6	13.6	13	12.8	12.7	12.7	12.7	12.7	12.7	13.1
20	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.5	13.5	13.5	13.4	13.4	13.4	13.3	13.3	13.4	13.4	13	12.7	12.7	12.7	12.7	12.6	12.6	13
21	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.7	13.1	13.3	13.5	13.6	13.6	13.6	13.2	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.9
22	12.6	12.5	12.5	12.5	12.5	12.5	12.6	13.5	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	12.9	12.7	12.7	12.7	12.7	12.7	12.7	12.9
23	12.6	12.6	12.6	12.6	12.6	12.6	12.7	13.5	13.5	13.4	13.3	13.3	13.3	13.2	13.2	13.2	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.9
24	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.3	13.3	12.9	12.7	12.7	12.7	12.6	12.6	12.6	12.9
25	12.6	12.6	12.6	12.6	12.6	12.5	12.8	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.6	13.6	13.3	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13
26	12.6	12.6	12.5	12.5	12.5	12.5	12.5	12.9	13.6	13.6	13.6	13.6	13.5	13.4	13.4	13.4	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13
27	12.7	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.4	13.4	13.4	13.3	13.3	13.3	13.2	13.2	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.9
28	12.7	12.6	12.6	12.6	12.6	12.6	12.8	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.4	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.9
29	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.9	13.6	13.7	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13	12.7	12.7	12.7	12.6	12.6	12.6	13
30	12.6	12.6	12.5	12.5	12.5	12.5	13.1	13.8	13.7	13.6	13.5	13.5	13.5	13.4	13.4	13.4	13.5	12.9	12.8	12.7	12.7	12.7	12.6	12.6	13
31	12.6	12.6	12.6	12.6	12.5	12.5	12.9	13.7	13.6	13.5	13.4	13.4	13.3	13.3	13.3	13.3	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	13
Avg	12.6	12.6	12.6	12.6	12.5	12.5	12.6	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.4	13.4	13.4	12.9	12.7	12.7	12.7	12.7	12.6	12.6	13
SD	0	0	0	0	0	0	0.2	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0	0	0	0	0	0	0	0.1
StA	0	0	0	0	0	0	0.01	0.04	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0	0	0	0	0	0	0.01
Min	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.6	12.7	12.7	13.2	13.2	13.2	13.2	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.7
Max	12.7	12.6	12.6	12.6	12.6	12.6	13.1	14	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.2	12.8	12.7	12.7	12.7	12.7	13.1
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

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

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

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