

May 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	17	64	156	228	315	279	341	350	370	235	345	207	60	13	0	0	0	0	0	2981	
2	0	0	0	0	0	36	188	405	614	793	924	993	992	928	802	620	411	182	15	0	0	0	0	0	7904	
3	0	0	0	0	0	31	151	368	580	706	795	712	688	398	298 ?	317	368	136	19	0	0	0	0	0	5568	
4	0	0	0	0	0	39	192	405	609	787	913	979	987	924	776	615	407	195	43	0	0	0	0	0	7872	
5	0	0	0	0	0	35	198	225	290	427	508	512	588	780	673	361	?	19 ?	5	0	0	0	0	0	4621 ?	
6	0	0	0	0	0	10	35	?	100	345	496	600	673	617	680	304	303	115	28	0	0	0	0	0	4304	
7	0	0	0	0	0	18	115	331	534	657	732	818	576	425	368	218	66	20 ?	3	0	0	0	0	0	4881	
8	0	0	0	0	0	1	30 ?	93	150	219	273	167	128	110	129	174	47	24	6	0	0	0	0	0	1551	
9	0	0	0	0	0	39	180	418	643	788	927	971	1003	938	809	637	428	207	44	0	0	0	0	0	8030	
10	0	0	0	0	0	30	242	421	625	799	940	793	897	924	615	550	420	191	46	0	0	0	0	0	7494	
11	0	0	0	0	0	23	50	203	384	434	363	484	408	662	626	610	376	219	26	0	0	0	0	0	4867	
12	0	0	0	0	0	48	223	436	637	808	934	999	1006	846	798	438	310	206	42	0	0	0	0	0	7731	
13	0	0	0	0	0	46	218	426	627	803	935	1018	929	778	599	337	240	248	40	0	0	0	0	0	7244	
14	0	0	0	0	0	46	195	375	352	125	116	274	261	163 ?	344	139 ?	?	71	25	0	0	0	0	0	2486 ?	
15	0	0	0	0	0	12	83	390	558	679	485	525	765	831	454	117	127	106 ?	2	0	0	0	0	0	5135	
16	0	0	0	0	2	49	208	423 ?	589	826	905	869	1014	937	767	541	383	135	75	0	0	0	0	0	7722	
17	0	0	0	0	2	53	216	422	625	804	932	962	906	648	576	541	403	207	45	0	0	0	0	0	7344	
18	0	0	0	0	2	49	212	423	629	807	934	1002	999	915	807	568	270	60	12	0	0	0	0	0	7689	
19	0	0	0	0	3	56	238	457	663	841	959	1023	993	931	839	650	424	241	62	1	0	0	0	0	8381	
20	0	0	0	0	0	9	87 ?	299	582	794	924	992	1000	802	658	516	337	199	57	2	0	0	0	0	7258	
21	0	0	0	0	7	70	231	441	650	806	932	1012	1012	945	820	648	441	213	52	4	0	0	0	0	8284	
22	0	0	0	0	3	66	227	454	597	814	938	939	990	950	778	405	305	185	66	2	0	0	0	0	7718	
23	0	0	0	0	1	56	231	441	645	822	949	1024	1025	962	836	660	447	238	61	3	0	0	0	0	8402	
24	0	0	0	0	3	68	252	372	554	782	887	1007	1006	928	762	652	371	208	51	0	0	0	0	0	7903	
25	0	0	0	0	3	27	122	307	597	732	753	829	650	670	768	596	316	237	59	2	0	0	0	0	6667	
26	0	0	0	0	2	47	184	372	568	749	873	937	950	863	628	253 ?	203	242	62	9	0	0	0	0	6943	
27	0	0	0	0	4	53	226	333	599	782	833	814	485	415	516	305	304 ?	146	45	6	0	0	0	0	5867	
28	0	0	0	0	4	56	219	416	614	778	899	951	1004 ?	881 ?	803	642	442	238	62	4	0	0	0	0	8014 ?	
29	0	0	0	0	3	22	85	300	619	812	934	998 ?	997 ?	966 ?	782 ?	669	461	256	82	10	0	0	0	0	7997 ?	
30	0	0	0	0	3	28	132	384	597	753	868	926 ?	942	874	742 ?	622	396	179	41	4	0	0	0	0	7492	
31	0	0	0	0	5	52	213	339	469	531	719	967 ?	1006	937	840 ?	550	420	215	50	7	0	0	0	0	7320	
Avg	0	0	0	0	2	39	169	361	533	681	770	821	814	752	649	471	332	168	40	2	0	0	0	0	6570	
S D	0	0	0	0	2	18	68	90	153	200	242	245	260	245	197	176	113	74	22	3	0	0	0	0	1855	
S/A	0	0	0	0	1.22	0.48	0.4	0.25	0.29	0.29	0.31	0.3	0.32	0.33	0.3	0.37	0.34	0.44	0.56	1.63	0	0	0	0	0.28	
Min	0	0	0	0	0	1	30	93	100	125	116	167	128	110	129	117	47	19	2	0	0	0	0	0	1551	
Max	0	0	0	0	7	70	252	457	663	841	959	1024	1025	966	840	669	461	256	82	10	0	0	0	0	8402	
n	0	0	0	0	25	359	364	355	371	370	372	357	356	353	344	359	343	354	354	21	0	0	0	0	0	5057

Daylight Data Recovery: 0.0% missing; 0.0% untested; 3.2% exceed the 15% QC threshold -- 5225 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

May 2006

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	9
2	0	0	0	0	0	170	548	729	818	871	899	912	911	900	879	815	720	470	40	0	0	0	0	0	9681
3	0	0	0	0	0	43	184	548	674	467	458	299	384	150	45 ?	120	520	189	26	0	0	0	0	0	4109
4	0	0	0	0	0	194	548	708	789	856	886	890	897	879	811	778	676	494	179	0	0	0	0	0	9585
5	0	0	0	0	0	86	296	8	10	58	36	9	102	432	391	168	0 ?	0	0	0	0	0	0	0	1595
6	0	0	0	0	0	0	0	0	2	35	90	219	337	270	402	185	317	189	74	0	0	0	0	0	2120
7	0	0	0	0	0	1	80	281	447	261	272	238	19	7	1	0	0	0	0	0	0	0	0	0	1607
8	0	0	0	0	0	0	0	0	1	2	3	1	0	0	0	1	0	0	0	0	0	0	0	0	7
9	0	0	0	0	0	89	339	662	777	773	845	827	903	881	863	818	731	587	236	0	0	0	0	0	9330
10	0	0	0	0	0	50	452	699	801	829	774	475	623	630	345	462	607	362	126	0	0	0	0	0	7233
11	0	0	0	0	0	3	0	108	60	41	12	22	17	239	395	682	500	382	19	0	0	0	0	0	2478
12	0	0	0	0	0	295	665	785	862	890	906	898	890	732	742	344	294	470	144	0	0	0	0	0	8917
13	0	0	0	0	0	242	593	725	811	848	879	877	648	449	315	96	57	405	114	0	0	0	0	0	7060
14	0	0	0	0	0	174	387	466	118	0	10	4	1	44	0	0	0	0	0	0	0	0	0	0	1205
15	0	0	0	0	0	0	1	431	517	403	48	69	371	573	122	1	5	14	0	0	0	0	0	0	2555
16	0	0	0	0	0	218	408	655 ?	677	818	763	647	861	788	691	448	287	49	165	0	0	0	0	0	7475
17	0	0	0	0	0	208	517	663	752	815	832	758	639	380	395	409	531	399	126	0	0	0	0	0	7426
18	0	0	0	0	0	171	484	674	773	837	863	866	857	762	686	521	182	1	0	0	0	0	0	0	7674
19	0	0	0	0	0	313	662	810	872	904	826	929	872	826	833	802	671	540	227	0	0	0	0	0	10180
20	0	0	0	0	0	0	5	166	587	801	840	868	867	604	435	460	393	381	234	0	0	0	0	0	6641
21	0	0	0	0	0	214	570	751	825	800	847	905	909	892	858	805	715	440	136	0	0	0	0	0	9668
22	0	0	0	0	0	130	505	688	626	809	878	741	775	775	602	122	135	138	160	0	0	0	0	0	7082
23	0	0	0	0	0	254	596	725	805	865	901	920	917	910	883	830	727	595	291	0	0	0	0	0	10221
24	0	0	0	0	3	324	642	422	468	612	718	896	890	832	681	631	398	371	135	0	0	0	0	0	8025
25	0	0	0	0	0	14	45	155	462	475	381	400	176	248	588	545	178	143	26	0	0	0	0	0	3838
26	0	0	0	0	0	87	210	366	490	602	658	671	694	626	399	102 ?	124	226	31	0	0	0	0	0	5286
27	0	0	0	0	0	146	412	232	618	725	619	463	133	116	143	113	209 ?	87	38	0	0	0	0	0	4055
28	0	0	0	0	3	168	436	593	685	712	726	719	785 ?	?	762	749	666	517	207	0	0	0	0	0	7729 ?
29	0	0	0	0	0	0	0	125	632	809	827	849 ?	860 ?	848 ?	784 ?	803	723	559	243	0	0	0	0	0	8061 ?
30	0	0	0	0	0	0	8	384	616	635	649	657 ?	664	617	594 ?	537	348	101	6	0	0	0	0	0	5816
31	0	0	0	0	1	87	304	278	270	212	388	675 ?	725	709	703 ?	492	533	302	46	0	0	0	0	0	5724
Avg	0	0	0	0	0	119	319	446	543	573	578	571	572	536	497	414	363	271	98	0	0	0	0	0	5884
S D	0	0	0	0	1	106	244	275	291	326	345	342	348	317	299	306	270	210	92	0	0	0	0	0	3175
S/A	0	0	0	0	3.4	0.9	0.76	0.62	0.54	0.57	0.6	0.6	0.61	0.59	0.6	0.74	0.74	0.77	0.94	0	0	0	0	0	0.54
Min	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7
Max	0	0	0	0	3	324	665	810	872	904	920	929	917	910	883	830	731	595	291	0	0	0	0	0	10221
n	0	0	0	0	25	359	372	369	372	369	372	355	356	354	349	367	365	372	354	21	0	0	0	0	5132

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.8% exceed the 15% QC threshold -- 5225 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25521E6 Calibration Factor: 8.034 μV/W/m² 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

May 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	19	64	156	228	315	279	341	350	370	235	345	207	60	13	0	0	0	0	0	2982
2	0	0	0	0	0	22	54	75	86	93	99	101	98	93	84	82	71	51	12	0	0	0	0	0	1020
3	0	0	0	0	0	25	103	113	144	330	364	413	313	258	153 ?	185	141	79	18	0	0	0	0	0	2639
4	0	0	0	0	0	23	58	84	102	99	103	107	100	103	112	102	87	62	25	0	0	0	0	0	1167
5	0	0	0	0	0	29	128	224	288	375	480	510	494	373	342	218	?	17 ?	5	0	0	0	0	0	3481 ?
6	0	0	0	0	0	10	35	26	100	322	430	394	351	373	354	190	158	70	20	0	0	0	0	0	2833
7	0	0	0	0	0	18	91	202	235	438	488	581	562	425	368	218	58	19	3	0	0	0	0	0	3705
8	0	0	0	0	0	2	28 ?	93	150	219	273	167	128	110	129	174	47	24	6	0	0	0	0	0	1549
9	0	0	0	0	0	31	89	97	122	144	127	138	103	108	96	88	76	48	18	0	0	0	0	0	1285
10	0	0	0	0	0	31	116	91	97	121	222	319	280	330	326	249	125	89	32	0	0	0	0	0	2428
11	0	0	0	0	0	25	50	145	347	406	356	469	398	432	297	141	120	108	23	0	0	0	0	0	3316
12	0	0	0	0	0	19	44	64	68	75	86	101	112	154	178	203	170	69	24	0	0	0	0	0	1368
13	0	0	0	0	0	21	56	83	92	104	111	143	268	337	329	275	210	138	27	0	0	0	0	0	2195
14	0	0	0	0	0	25	98	158	282	118	116	268	261	149 ?	316	124 ?	?	67	25	0	0	0	0	0	2006 ?
15	0	0	0	0	0	12	83	167	211	355	452	464	396	291	358	117	126	92	3	0	0	0	0	0	3129
16	0	0	0	0	?	27	84	105 ?	132	153	187	216	153	187	181	224	233	125	56	0	0	0	0	0	2062
17	0	0	0	0	?	28	73	108	127	134	156	208	269	291	256	262	139	92	30	0	0	0	0	0	2172
18	0	0	0	0	?	31	75	99	113	116	124	137	141	194	238	213	174	60	13	1	0	0	0	0	1727
19	0	0	0	0	?	23	49	64	75	85	93	92	116	147	141	100	87	78	33	1	0	0	0	0	1184
20	0	0	0	0	0	9	66	206	176	125	132	121	127	222	294	197	139	86	28	1	0	0	0	0	1928
21	0	0	0	0	?	46	64	74	93	136	129	102	98	97	96	91	82	73	33	4	0	0	0	0	1217
22	0	0	0	0	3	48	68	118	151	124	111	193	209	213	269	324	234	138	51	2	0	0	0	0	2256
23	0	0	0	0	1	25	58	83	96	95	95	97	99	93	88	85	83	58	25	3	0	0	0	0	1084
24	0	0	0	0	4 ?	25	65	162	237	261	206	109	111	137	179	220	171	95	30	0	0	0	0	0	2012
25	0	0	0	0	2	25	110	231	289	340	401	445	488	444	277	221	222	198	55	2	0	0	0	0	3750
26	0	0	0	0	2	38	122	198	242	256	263	277	273	289	300	150	153	167	59	9	0	0	0	0	2797
27	0	0	0	0	6 ?	35	102	218	174	176	252	356	364	324	407	218	222 ?	125	43	6	0	0	0	0	3027
28	0	0	0	0	6 ?	38	90	122	145	179	212	268	395 ?	?	206	119	99	72	33	3	0	0	0	0	1987 ?
29	0	0	0	0	3	22	85	235	176	133	150	232 ?	?	?	214 ?	109	88	77	50	10	0	0	0	0	1584 ?
30	0	0	0	0	3	28	130	186	186	235	282	422 ?	?	?	362 ?	264	219	149	41	4	0	0	0	0	2514 ?
31	0	0	0	0	5	42	118	200	289	358	377	?	?	?	?	228	148	118	44	7	0	0	0	0	1933 ?
Avg	0	0	0	0	1	26	79	135	169	207	231	260	252	242	239	185	141	87	28	2	0	0	0	0	2204
S D	0	0	0	0	2	10	28	59	76	111	129	147	141	117	98	72	57	42	16	3	0	0	0	0	803
S/A	0	0	0	0	1.5	0.4	0.35	0.44	0.45	0.54	0.56	0.57	0.56	0.48	0.41	0.39	0.41	0.48	0.57	1.64	0	0	0	0	0.36
Min	0	0	0	0	0	2	28	26	68	75	86	92	98	93	84	82	47	17	3	0	0	0	0	0	1020
Max	0	0	0	0	6	48	130	235	347	438	488	581	562	444	407	345	234	198	59	10	0	0	0	0	3750
n	0	0	0	0	17	352	368	369	371	372	372	349	328	321	339	365	345	362	354	21	0	0	0	0	5008

Daylight Data Recovery: 0.0% missing; 0.0% untested; 4.2% exceed the 15% QC threshold -- 5225 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

May 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	9.5	8.9	8.4	8.5	9.1	9.5	10.2	11	12.4	13	13.1	12.9	12.5	12.9	12.8	12.8	12.3	11.5	11.7	11.7	11.6	10.9	10.1	9	11.1
2	8.9	8.1	7.6	7.4	7	6.5	8.1	11.1	13.1	14.7	16.6	18.7	20.6	22.3	23.3	23.7	24.3	23.8	21.9	19.6	19	18.6	17.7	16.6	15.8
3	16.1	15.7	15.7	15.1	14.7	14.7	15.4	17.4	20.7	22.4	23.1	23.8	24.2	23.5	19.1	15.5	19.3	19.7	18.6	17.8	16.7	15.8	15.7	15.4	18.2
4	15.5	15	14.3	14	13.6	13.8	15.2	16.6	18.1	19.8	21.4	23.3	24.6	25.6	24.9	23.6	23.2	22.2	21.1	19.2	18.5	17.5	16.8	16.8	18.9
5	16.7	16.5	16.3	16	15.8	16.2	17.8	19	20.5	21.4	23.8	24.1	24.6	26.2	27.1	27.4	23.8	19.4	19.4	19.2	19.1	19	18.8	18.4	20.3
6	18.2	18.1	17.9	17.9	17.9	17.9	18	18	18.4	19.2	21	22.2	23.1	24.6	25	26	24.2	23.4	22.2	21	19.9	19.1	18.6	18.7	20.4
7	18.4	17.6	16.8	16.4	16.2	15.7	14.7	14.7	15.1	15.6	15.9	16	15.8	15.7	15.1	14.6	13.8	12.8	12.4	12.4	12.4	12.6	13	13.2	14.9
8	13.5	14	14.1	13.9	13.9	13.8	13.7	13.3	13.1	13.4	14.5	15.4	15.5	15.4	14.8	14.4	13.8	13.6	13.5	13.4	13.2	12.9	12.8	12.6	13.9
9	12.1	11.5	11.2	10.9	10.9	11	12.3	13.9	15.1	16.2	16.8	17	17.4	17.8	18.3	18.4	18.6	19.2	16.5	15	14	13.3	12.8	12.6	14.7
10	12.4	12.2	12	12	11.6	11.7	13.1	15.4	17.1	18.3	19.5	20.4	21.1	22.2	22.2	22.5	22.8	22.5	21.2	19.2	18.5	17.8	17.4	17.1	17.5
11	16.8	16.3	16.4	16.8	17.2	17.2	17.6	18.5	20.3	20.7	21.6	22.3	23	23.6	24.8	26.1	25.7	24.9	23.8	23	22.2	19.3	17.5	16.4	20.5
12	16.1	15	14	13	12.2	12.1	13.6	15.5	18.5	19.1	20	20.8	21.3	22.5	23.2	22.9	21.7	22.1	21.2	19.9	19.3	18.8	17.9	17.1	18.2
13	16.2	16.1	15.4	14.5	13.4	13.2	14.5	16.6	19.5	20.5	21.7	22.1	22.5	23	23.3	23	22.8	22.9	21.3	20	19.3	18.7	17.9	17.3	19
14	16.6	15.9	15.7	15.2	14.2	14.1	16.2	18.3	19.5	18.9	17.2	17.8	18.8	17.6	17	17.4	16.2	15.8	15.7	15.3	15.4	15.3	15.5	15.9	16.5
15	15.2	14.2	13.8	13.9	13.9	13.9	14	15	16.2	17.3	18.4	19.3	20.5	22.2	22.9	21.6	20.2	19.8	17.1	16.5	16.6	16.7	16.1	16	17.1
16	15.9	15.6	13.7	12.5	11.8	11.4	11.9	13.2	14.9	16.4	17.3	18.1	19	19.8	20.2	20.7	20.8	20	19.7	18.3	17.3	16.9	15.7	14.7	16.5
17	14.1	14.3	14.3	14.1	13.5	13.5	14.8	16.3	18	19.6	20.8	21.5	22.3	22.6	22.9	23.4	23.5	23.2	22.1	20.5	19.5	18.9	18.5	18.1	18.8
18	17.2	16.6	16.1	15.9	15.1	15.1	16.4	17.9	19.3	20.8	22	22.8	23.6	24.3	24.8	25	24.6	23.8	18.4	17.7	17.3	16.1	15.8	15.9	19.3
19	15.5	15.5	15.5	14.8	14	13.4	13.4	13.9	14.7	15.8	16.9	18.2	19.2	20	20.6	21.4	21.9	21.8	21	19.3	17.5	16.8	17.1	16.8	17.3
20	16.4	16.4	16.4	17	17	17.4	17.4	17.8	19.9	21.1	21.8	22.9	24.2	24.8	24.9	25.5	25.9	25.8	25.3	23.7	22.4	21.2	20.9	20.8	21.1
21	19.6	18.8	17.8	17.2	16.4	16.6	17.8	19.1	20.4	21.2	21.5	22	23	24.1	25.5	26.6	27	26.6	25.5	23.8	23	22.5	22.6	21.9	21.7
22	20.2	18.8	17.9	16.9	16.2	15.7	16.1	17.1	17.9	18.6	19.5	20.4	20.9	21.4	21.6	21.6	21.6	21.3	20.8	19	17.5	16.8	15.5	14.9	18.7
23	13.8	14.1	14.6	14.1	14.2	14.5	15.6	16.7	17.3	17.8	18.5	19.7	20.4	21.2	21.6	19.8	18.5	18.3	17.2	15.9	15.3	14.8	13.9	13.2	16.7
24	13.7	12.9	12.3	11.2	10.9	10.8	13.5	16	18.3	19.9	20.9	21.5	22.3	23.3	23.6	24.1	24	24.4	23.8	21.4	19.9	19	18.4	17.8	18.5
25	16.9	15.8	15.8	15.5	15.4	15.7	17.4	19.7	22.2	23.7	25	26.4	27.2	28	29.1	29.7	29.1	27.8	26.4	25	24.2	23.9	23.7	23.6	22.8
26	23.4	23.3	23	22.7	22.4	22.3	22.9	24.1	25.3	26.4	27.8	29.1	30.3	31.3	31.7	30.6	24.7	25.5	24	23.3	23.7	23.4	20.5	20	25.1
27	20.2	20.2	20.6	20.6	20.4	20.2	20.9	22.2	23.9	25.4	26.6	27.7	27.8	27.4	28.1	27.9	26.6	27.2	26	24.9	23.6	22.4	21.1	20.5	23.9
28	20.1	19.7	19.5	19.4	19.4	19.7	21.5	23.5	25	26.1	27.3	28.1	28.6	28.5	27.8	27.3	27	25.9	24.3	22.2	20.8	19.9	19.3	18.6	23.3
29	18.7	18.7	18.5	18.2	18	17.9	18.2	19.1	20.8	22.8	24.2	25.6	26.3	26.9	26.6	26.4	26	24.8	23.2	20.7	19	18.1	17.8	17.8	21.4
30	17.3	17.6	17.7	18	17.8	17.8	18.4	19.9	21.8	23.7	26.2	28.2	28.7	29.4	29.3	28.5	28.1	26.7	24.9	23.8	23.3	23.1	22.5	21.9	23.1
31	21.5	21.3	21.2	21	20.7	21.2	22.9	23.9	25.1	26.6	27.5	28.2	28.9	27.9	27.6	27.5	27.3	27	26.1	25	24.2	23.5	23	22.6	24.7
Avg	16.3	16	15.6	15.3	15	15	15.9	17.2	18.8	19.9	20.9	21.8	22.5	23.1	23.2	23.1	22.6	22.1	20.8	19.6	18.8	18.2	17.6	17.2	19
S/D	3.2	3.3	3.3	3.4	3.4	3.5	3.4	3.3	3.5	3.7	3.9	4.1	4.2	4.3	4.5	4.7	4.3	4.3	4	3.7	3.5	3.4	3.2	3.2	3.3
S/A	0.2	0.2	0.21	0.22	0.23	0.23	0.21	0.19	0.19	0.18	0.19	0.19	0.19	0.18	0.19	0.2	0.19	0.19	0.19	0.19	0.18	0.19	0.18	0.19	0.17
Min	8.9	8.1	7.6	7.4	7	6.5	8.1	11	12.4	13	13.1	12.9	12.5	12.9	12.8	12.8	12.3	11.5	11.7	11.7	11.6	10.9	10.1	9	11.1
Max	23.4	23.3	23	22.7	22.4	22.3	22.9	24.1	25.3	26.6	27.8	29.1	30.3	31.3	31.7	30.6	29.1	27.8	26.4	25	24.2	23.9	23.7	23.6	25.1
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 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

May 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	75.7	81.1	86.4	87.2	84.2	84.7	86.3	85.6	81.9	83.5	86.4	91.2	94.9	91.6	91.8	94.1	95.1	95.6	88.5	86.6	84.5	88.4	92.5	95.9	88.1	
2	95.7	96.2	95	93.8	95	97.4	94.3	81.8	74.7	68.8	61.3	53.9	47.6	41.7	37	36.9	35	38.2	46.2	60.9	63.2	65.3	71.5	80.1	68	
3	84.6	87	86.8	90.9	92.6	92.2	90.8	84.9	71	63.5	61.2	58.6	57.2	59.7	75.6 ?	103.5 ?	91	86.9	92.8	98.1	102.8	?	101.6	100.7	84.1	
4	97.9	96.3	97.4	97	97.8	96.4	91.7	89.6	86.9	78.7	72.9	63	43.5	36.9	56.8	66.6	70.4	76	77.2	85.2	92.3	96.7	99.6	99.9	81.9	
5	99.4	99.5	100.4	101.1	101.3	99	93.7	89.9	85	83.3	76	76.5	74.5	68.8	65.7	63.7	83.6	104	?	?	104.7 ?	104.4 ?	?	?	88.7 ?	
6	?	?	?	?	?	?	?	?	?	?	?	98.2	92.6	87.7	80.5	79.5	68.8	78.1	65	71.9	79.7	86.7	89.8	91.9	88	
7	75.3	75	77.6	81.3	79.9	73.4	79.3	79.9	78.3	69.7	72.5	77.8	80.2	82	86.3	90.7	95.5	101.7	104.8 ?	?	?	?	?	?	82.2 ?	
8	?	?	?	?	?	?	?	?	?	104.3 ?	102.8	100.6	99	98.9	99.7	99.4	100.2	101.6	100.8	100.6	99.4	99.6	100.9	101.3	101.5	100.6 ?
9	102.7	104.3	?	?	104.4	104.4	99.9	91.1	81.6	73.7	65.7	63.6	61	61.3	51.2	47.9	49.2	51.7	63.3	69.3	77.6	83.1	87.2	88.8	76.5	
10	89.7	93.5	98.6	99.4	102.3	103.9	100.5	89.8	83.4	77.9	69.8	67.1	66.5	64.1	64.5	64.6	64	68.1	74.9	86.8	92.1	95.2	97.4	98	83.8	
11	98.1	98.4	98.9	98.9	98.1	98.5	99.1	97.8	93.1	93.2	92	91.4	92.8	93.4	92.4	85.1	85.9	89.9	94.5	99.1	98.7	99.5	96.2	97.2	95.1	
12	95.8	91.6	96.2	98	95.2	92.1	86.1	75.7	65.4	63	60.7	59.8	56.5	50.6	49.2	52.7	64.5	62.4	66.7	70.1	71.7	77.1	86.2	87.7	74	
13	89.9	82.6	84.8	87.7	92.7	92.9	87.5	77.5	62	56.4	51.8	51.4	48.5	46.7	46.8	49.3	51.3	53.6	64.7	71.4	75	75.7	81.1	84.8	69.4	
14	88.6	94.3	95.5	96.8	100.4	101.3	97.2	92.8	84.4	78.4	83.7	90.5	84.8	96.2	101.9	97.9	102.1 ?	?	104.5 ?	?	?	?	?	104.1	94.5 ?	
15	104.2 ?	?	?	?	?	?	104.6	101.2	97.3	94.5	93.4	93.7	91.6	86.2	83.6	92.4	100.7	100.2	103.7 ?	?	?	?	?	?	102.6	96.7 ?
16	104.4	104.4	104.2	103.9	?	?	103.4	98.9	91	79.8	73.4	69.5	64.6	59.8	58.4	56.3	56.8	59	65	75.7	82	83.2	91.8	97.7	81	
17	100.5	100.7	100.5	100.5	102.6	103.3	99.5	92.6	84.1	73.5	64.8	60.3	56.3	55.6	55.4	54.2	55.2	56.2	65.2	73.6	81.7	90.4	91.8	90.4	79.5	
18	95.9	99.9	100.5	99.8	101.6	102.3	98	89.4	81.2	70.3	64.3	61.8	57.4	53.5	52.9	53.5	57	61.8	97.5	102.9	102.7	104.3 ?	?	?	82.2 ?	
19	?	?	104.2	103.2	99.4	95.4	91.1	83.3	75.4	69.5	63.5	56.6	54.8	53.4	52.8	50.3	47.6	49.1	53.9	60.4	73.6	78.6	81.6	85.5	72	
20	89.5	90.1	89.4	91.4	91.1	90.3	89.1	81.7	76.8	74	72.1	69.7	65.2	64.6	68.4	66.4	62.4	62.8	63.2	66.7	71	76.9	79.2	80.1	76.3	
21	81.4	73.3	70.5	71.7	76.8	76.5	74.5	61.6	49.3	47.5	49.9	54.6	55.6	54.2	49.9	43.2	45.2	51	58.8	68.8	72.2	76.2	74.1	69.7	62.8	
22	70.9	70.8	69.3	65.1	59	60.8	66	66.8	61.1	50.8	47.6	46.7	43	40.9	39.7	39.7	42.1	46	51.8	64.8	76	79.4	85.3	89.1	59.7	
23	98.4	103.6 ?	104.7	?	100.7 ?	98	85.9	75.4	67	56	51.1	46.7	44.3	40	38.5	52.6	60.3	63.2	68	73.9	78.6	82.7	88.6	92.3	72.6	
24	89.9	93.5	96.8	100.4	101.9	103.5	99.9	92.1	70	55.3	49.8	48.3	45.4	47.8	49.4	50.5	53	52.8	55.3	69.1	75.3	79.7	87.2	93.4	73.3	
25	97.1	101.4	102.5	103.6	104.4	103.8	100.5	95.7	94.1	93	89	83	78.5	71.6	66.9	62.3	69.3	81.5	87.9	94	97.2	98.4	99.8	100.3	90.7	
26	100.7	100.9	102.1	103.7	104.5	104	101.1	95.2	90.1	84.3	79.1	74.6	68.9	63.7	60.8	65.3	85.7	87.3	87.7	90.6	89.1	88.1	104.2	104.6	89	
27	103.6	104.6	102.4	104	104.7	104.9	103.8	99.1	90.6	83.5	77.2	71.4	68.9	70.7	66.6	67.3	75.3	71.4	82.5	83.7	85.8	92.3	97.6	99.3	88	
28	101	101.7	101.3	101.6	101.6	100.9	95.3	88.1	83.4	77.9	75.1	70.1	66	68	68.6	69.7	73.3	75	84.1	94.7	100.9	104.1	104.4	?	87.2	
29	104.3	103.3	102.8	102.8	103.4	103.6	102.3	99.2	93.2	86.1	79.7	70.3	66.9	66.2	67.2	63.4	63.9	69.9	81.2	93.8	101	104.1	?	?	87.7	
30	?	?	?	?	?	?	?	101.3	93.5	83.6	72.5	60.2	56.6	58.3	66.1	63.7	53.1	69	82.6	96.9	99.4	97.9	101.2	104.5	80 ?	
31	?	?	?	?	?	?	104 ?	100.3	92.8	84.9	79.7	72.8	67.2	76.6	76.8	78.8	81.2	80.6	85	91.5	95	97.3	99.4	100.8	86.9 ?	
Avg	93.7	93.9	94.8	95.2	95.8	95.3	93.8	88.2	81.4	75.2	72.1	69.2	66	64.7	65.2	66.2	69.3	71	77.5	81.8	86.8	89.2	91.7	93.7	81.8	
S D	9.6	10.2	10.2	10.3	10.8	11.1	9.4	10.2	12.4	13.5	14.4	14.9	16.1	17.2	17.5	18.4	19.1	18.4	16.9	13.2	12.1	10.9	9.3	8.9	9.7	
S/A	0.1	0.11	0.11	0.11	0.11	0.12	0.1	0.12	0.15	0.18	0.2	0.22	0.24	0.27	0.27	0.28	0.27	0.26	0.22	0.16	0.14	0.12	0.1	0.09	0.12	
Min	70.9	70.8	69.3	65.1	59	60.8	66	61.6	49.3	47.5	47.6	46.7	43	36.9	37	36.9	35	38.2	46.2	60.4	63.2	65.3	71.5	69.7	59.7	
Max	104.4	104.6	104.7	104	104.7	104.9	104.6	101.3	104.3	102.8	100.6	99	98.9	99.7	101.9	103.5	102.1	104	104.8	102.9	104.7	104.4	104.4	104.6	100.6	
n	306	292	298	287	296	300	328	348	357	360	372	372	372	372	369	364	369	358	344	324	326	308	300	311	8036	

Data Recovery: 0.0% missing; 0.0% untested; 10.0% 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

May 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	8.3	8	7.5	7.1	7.3	8.2	9.4	10.6	12.2	13.9	15	15.4	15.3	15.5	15.4	15.4	15.2	14.3	13.2	12.7	12.4	11.6	10.3	9	11.8
2	8	7.5	6.8	6.2	5.8	5.2	6.2	10	13.8	17	19.6	21.4	22.7	23.9	25.4	26.9	27.6	27.5	25.3	21.8	19.6	18.9	18.4	17.2	16.8
3	16.1	15.4	15.2	14.9	14.6	14.3	14.7	16.8	20.5	24.4	26.6	27.9	28.4	27.8	26.1	20	19.2	21.1	20.3	18.7	17.5	16.2	15.3	14.9	19.5
4	14.6	14.6	14.1	13.6	13.2	12.8	13.9	16.6	19.2	22	24.6	26.9	28	28.4	29.4	29.3	28.7	27.5	25.3	22	19.4	18.1	17	16.3	20.6
5	16	15.8	15.5	15.1	14.9	14.9	16.2	18.7	20.5	22.1	24.7	26.7	27.8	29.2	30.6	31.1	29.4	23.8	20.8	20	19.6	19.2	19.1	18.8	21.3
6	18.5	18.3	18.2	18.1	18.2	18.3	18.3	18.5	18.6	19.3	21.4	24.4	26	27.4	28.8	29.6	29.4	27.5	25.3	22.6	20.4	18.7	18.1	17.9	21.7
7	18	17.8	17.4	16.7	16.1	16	15.7	15.9	17	18.4	19.6	20.1	20.5	20.1	19.3	18.3	17.1	15.3	13.6	12.9	12.7	12.8	13	13.3	16.6
8	13.6	13.9	14.2	14.3	14.3	14.1	14	13.9	14.2	14.6	15.5	16.7	17.3	17.3	17	16.5	16.2	15.3	14.7	14.3	14	13.6	13.3	13.1	14.8
9	12.7	12	11.2	10.6	10.4	10.4	11.1	13.5	16.4	18.7	20.3	21.1	21.2	21.3	22.1	23	23.5	23.8	22.1	18	14.9	13.1	12.1	11.7	16.5
10	11.5	11.3	11.2	11.1	11	11	11.8	15.2	18.5	21.1	22.7	23.9	24.5	25.3	26.3	26.4	26.7	26.5	24.8	22	19.4	18.1	17.3	16.7	18.9
11	16.5	16.1	15.6	16	16.6	17	17.4	18.2	20.3	22.4	23.5	24.3	25.2	25.6	26.9	28.2	29.3	28.8	27.2	25	23.8	22	19	17.5	21.8
12	16.5	15.7	14.2	12.9	11.7	10.8	12.4	15.7	19.2	22.9	24.8	25.7	25.6	25.2	25.8	26.6	26	25.1	24.3	21.8	19.9	19.1	18.3	17.2	19.9
13	16	15.3	14.8	14.2	13.3	12.3	13.3	16.2	20.1	23.7	25.6	26.5	26.5	26.4	26.7	26.5	26.1	25.3	24.8	21.9	19.6	18.3	17.4	16.3	20.3
14	15.4	14.4	13.9	13.7	12.8	12.2	13.5	17.2	20.2	21.2	19.2	18.1	18.2	18.8	17.9	17.7	17.4	16.5	16.1	15.7	15.5	15.6	15.5	15.5	16.3
15	15.2	14.6	14.1	14	14	14	14	15	18.1	20.8	22.3	22.8	23.5	24.7	26.6	26.8	23.6	21.6	20	17.8	17	16.8	16.7	16.2	18.8
16	15.7	15.5	15	13.3	12	11.5	12	13.5	16.2	18.3	20.1	21	21.3	21.7	22.6	23.3	23.8	23.1	21.7	20.1	17.8	16.6	15.6	13.8	17.7
17	12.7	12.5	12.6	12.6	12.5	12.3	13.5	16.2	19.1	21.7	23.8	24.8	25.2	25.6	25.6	26.4	26.8	26.5	25.2	22.5	19.8	18.5	17.9	17.6	19.7
18	17.1	16.5	15.7	15.2	14.7	14.1	15.2	18	20.7	22.8	24.5	25.4	25.7	26.2	27	27.9	27.9	26.5	23.2	19.4	18	17.1	16.5	16.2	20.5
19	15.8	15.5	15.3	14.9	14.1	13.5	14	15.3	16.7	18	19.2	20.2	20.8	21.5	22.4	23.4	24.3	24.4	23.6	21.3	18.4	16.3	15.7	15.3	18.3
20	14.8	14.6	14.7	15.5	16.1	16.5	17.1	17.8	19.7	22.4	23.9	24.8	25.6	26.3	27.1	27.7	28	28	27.4	25.5	22.9	21.2	20	19.6	21.6
21	19.5	19.1	18.3	17.2	16.3	15.7	16.8	19.3	21.8	24.2	26.3	27	26.5	26.7	27.6	28.6	29.4	29.5	28.2	25.9	23.7	22.5	22.3	21.9	23.1
22	20.7	19.4	18.2	17	16	15.3	15.6	17.8	19.9	22	23.6	24.8	25.1	24.9	25.4	25.5	24.6	23.8	22.5	20.6	17.3	15.1	14	13	20.1
23	12.3	12.4	13	13.3	13.3	13	14.1	16.7	18.9	20.6	22	23.2	23.7	24.2	25.1	25.7	24.3	22.9	21.3	18.4	15.5	13.7	12.4	11.4	18
24	10.9	10.9	10.1	9.4	9.2	9.2	11.1	14.8	18.2	21.3	24.2	25.5	25.5	25.8	26.8	27.5	27.9	27.3	26.3	23.7	21.1	19.4	18.1	17.3	19.2
25	16.4	15.1	14.5	14.2	14	14	14.8	17.2	21.6	25.5	28	29.6	30.6	31	31.7	32.7	33.1	31.9	30.1	27.6	25.7	24.6	24	23.8	23.8
26	23.5	23.3	23	22.7	22.5	22.2	22.8	24.5	26.7	28.6	30.3	31.9	32.8	33.4	34.1	34.2	30.8	28.7	27.4	25.3	24.1	24	22.6	20.9	26.7
27	20.1	19.9	19.8	19.9	20.2	20.2	21	22.9	24.9	27.8	30.2	31.7	32.4	31.5	31.6	31.9	30.1	29.3	28.9	27.2	24.9	23.1	21.5	20.3	25.5
28	19.4	19.1	18.9	18.7	18.6	18.6	20.1	23.2	26.4	29.2	31.2	32.7	33.1	33.1	33	32.6	32.3	31.2	29.1	25.8	22.8	20.9	20.2	19.8	25.4
29	19.4	19.4	19.3	19	18.8	18.6	18.7	19.5	21.8	25.2	27.8	29.4	30	30.4	31	31.3	31.3	30.3	28.2	24.7	21.3	19.2	18	17.4	23.8
30	17	17.2	17.6	17.9	18.1	18.1	18.4	20	23.6	27.4	30.7	33.1	34.1	34.5	35	34.6	33.8	32.1	29.2	26.3	24.5	23.5	22.9	22.2	25.5
31	21.5	21.2	20.9	20.8	20.6	20.4	21.5	23.8	26.7	29.4	32.1	33.3	33.9	33.8	32.8	32.4	32.1	31.6	29.9	27.5	25.4	24	23.1	22.4	26.7
Avg	15.9	15.6	15.2	14.9	14.6	14.3	15.1	17.2	19.7	22.2	24	25.2	25.7	26	26.6	26.7	26.3	25.4	23.9	21.6	19.6	18.4	17.6	16.9	20.4
S D	3.6	3.6	3.6	3.7	3.7	3.8	3.6	3.4	3.5	3.9	4.4	4.7	4.8	4.8	4.9	5.1	5	4.9	4.7	4.2	3.7	3.6	3.5	3.5	3.6
S/A	0.23	0.23	0.24	0.25	0.26	0.26	0.24	0.2	0.18	0.18	0.18	0.19	0.19	0.18	0.18	0.19	0.19	0.19	0.2	0.19	0.19	0.19	0.2	0.21	0.18
Min	8	7.5	6.8	6.2	5.8	5.2	6.2	10	12.2	13.9	15	15.4	15.3	15.5	15.4	15.4	15.2	14.3	13.2	12.7	12.4	11.6	10.3	9	11.8
Max	23.5	23.3	23	22.7	22.5	22.2	22.8	24.5	26.7	29.4	32.1	33.3	34.1	34.5	35	34.6	33.8	32.1	30.1	27.6	25.7	24.6	24	23.8	26.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

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

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

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

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

May 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	2.5	2.4	2.5	2.5	2.5	3.1	3.2	3.5	4.3	4.5	4.9	4.7	5.3	4.5	4.8	4.5	4.5	4.3	3.7	3.3	2.5	1.8	1.6	3.5
2	2	1.4	1.6	1.5	1	0.5	1	2	2.1	2.2	2.6	3	3.1	3	2.6	2.6	2.3	2.5	1.4	1.1	2.4	3.6	2.1	2.1	2.1
3	1.8	1.8	2.4	2.6	2.9	2.4	2.6	2	2.1	3.1	2.9	2.8	3	2.4	3.3	1.2	1.4	1.2	0.1	0.3	0.3	0.4	1.4	1.7	1.9
4	2.6	2	1.7	1.7	1.9	1.7	2	3.1	2.2	2.2	1.4	1.8	2.8	2.8	2.4	3.1	2.8	2.4	1.7	2.1	2.4	2.3	2.1	2.2	2.2
5	2	1.6	1	1.1	0.9	1.6	2.1	2.7	2.5	2.1	2.5	2.7	2.2	2.3	3	2.4	3.6	3.2	1.4	2.1	1.7	3.3	2.6	0.1	2.1
6	0.7	1.1	0.3	0.1	0.1	0.4	0.4	0.4	0.3	0.6	1.2	1.5	1.8	1.4	1.5	0.6	3.3	2.4	1.5	1.4	0.5	0.5	0.2	1.7	1
7	2.9	3.3	3	2.2	3.3	4.2	4.4	4.7	4.4	4.8	4.8	4.4	4.5	4	4.4	3.7	3.5	3.6	3.8	4.2	4	2.9	2.7	4.3	3.8
8	4	3.5	4.8	4.2	3.3	3.4	3	2.7	3.3	3	2.4	1.5	1.9	2.4	4	3.6	3.3	3	3.5	3.2	2.6	1.9	2.1	2.4	3
9	1.4	0.8	1.3	1.4	0.9	0.5	2.1	2.9	3.5	3.3	3.3	3.5	3	3.1	2.9	3	1.6	1	1.9	1.5	1.3	1.1	1.8	2.2	2.1
10	2.2	2.3	2.6	2.5	2.2	2	1.6	2.3	2.2	3.1	3.7	3.4	2.8	2.8	2.9	3	2.7	2.4	1.8	2.1	2	2	1.8	2	2.4
11	1.7	1.4	1.3	1	1.3	1.1	1.4	2.2	3.6	4.6	4.7	4.7	5.7	5.3	5.5	5.6	5.8	6.1	6.2	5.8	4.8	3.4	3.3	2.3	3.7
12	2.3	1.9	1.4	1.1	0.8	1.1	0.6	1.4	0.5	1.1	1.4	2.1	3	3.4	3.5	3.5	3.2	2.9	2.3	2.5	2.3	1.9	1.7	1.4	2
13	1.6	1.5	1.5	1.9	1.2	0.7	1.9	1.4	0.9	2	2.2	3.2	3.1	3.2	2.7	2.3	2.3	2.3	1.8	1.3	1.3	1.6	0.9	0.8	1.8
14	0.4	0.5	0.7	0.2	0	0.3	1.5	2.5	2.4	3.3	1.9	2.1	3.8	4.5	4.4	4.4	3.9	3.1	2.2	3	1.8	1.4	2.1	2.4	2.2
15	1	1.6	1.1	0.6	0.9	1.8	1.3	1	1.5	2.1	2.1	2.2	2.4	1.6	1.3	1.9	2.2	2.9	3.9	0.8	0.2	1.8	1.4	1.6	1.6
16	2	2.9	2.5	0.7	0.7	1.7	1.8	2	3.2	3.7	3.9	4.3	4.6	4.6	4.6	3.5	3.5	2.9	1.7	0.9	0.6	0.3	0	0.1	2.4
17	0.5	1.1	1.2	1.1	0.9	1	2.4	2.6	2.7	3	3.4	3.9	3.6	3.7	3.3	3.4	2.9	2.5	1.3	0.5	1.3	1.5	2.1	1.8	2.1
18	1.8	1.5	1.7	1.3	0.9	1.2	2.1	2.5	3.1	4	5.1	5.3	5.3	5.6	5.3	5	3.4	1.9	2.5	1.5	2.2	0.9	2.1	2.1	2.8
19	1.7	3.6	4.2	3.1	4.2	4	4.3	5	5.1	5.2	5.3	5.4	5.5	6	5.8	5.2	5	4.2	2.6	1.3	0.3	0.5	1	1.1	3.7
20	1.1	1.6	1.5	2.1	2	2.6	3.8	3.9	4.6	6.3	6.7	5.9	6.6	6	5.8	5.4	5.4	4	3.2	1.4	1.2	0.9	1.1	1.4	3.5
21	2.2	3.3	2.6	2.1	2.1	1.5	1.9	3.2	2.4	1.6	1.7	2.8	2.9	3.2	4.3	5.2	4.5	4.2	2.8	2.2	2	2.2	2.2	1.8	2.7
22	2.4	2.6	2.2	2.6	2.6	1.7	1.9	2.7	1.9	2.1	1.9	2	2.8	2.9	2.9	2.6	2.5	1.8	0.8	0	0.2	0.5	0.5	0.4	1.9
23	1.7	2.2	1.8	1.7	1.7	1.5	2.1	3.5	3.6	3.2	2.9	2.4	2.4	2.2	2.4	3.7	3.7	3	2.3	2	0.9	0.7	0.6	0.7	2.2
24	1.1	0.3	0.1	0.8	0.7	0.8	1.5	1.6	1.9	2.2	2.3	3	2.5	2.9	2.9	3.3	3.1	2.1	1	1.3	2.1	1.2	1.4	1.2	1.7
25	0.2	0.6	0.4	0.4	0.2	0.7	0.9	1.6	2.3	3.1	2.9	3.7	3.9	4.9	4.6	4.3	3.7	4.2	4.4	4.1	3.8	4.2	4.2	4.1	2.8
26	3.5	3.5	3.5	3.7	3.1	2.4	2.5	3.9	4.1	4.8	4.3	4.5	5.3	6.2	5.9	4.6	4.6	5	4.3	4.6	4.4	6.2	4.2	2.8	4.2
27	2.8	2.4	2.7	3.2	3.1	2.7	3.2	3.2	2.5	2.6	2.5	2.3	2.5	2.2	2.4	2.1	1.9	1.5	0.7	1.2	1	0.3	0.4	0.2	2.1
28	0.6	0.9	0.8	1.1	0.9	0.7	2	1.8	2.1	2.3	2.3	2.7	3	3.8	4.1	4	3.5	3.1	2.5	2.1	2	2.1	2.9	3.1	2.3
29	3.1	2.2	2	2.3	1.7	1.8	2	2.2	1.7	1.8	2.4	3	2.9	2.9	3.3	3.1	3.3	3.1	2.3	1.8	1.8	1.5	0.9	0.4	2.2
30	0.3	1	1	1	0.6	0.7	0.4	0.7	0.8	0.6	0.8	1.3	1.8	2	3.3	3.2	2.9	2.8	3	2.5	1.9	1.8	1.8	1.1	1.5
31	0.9	0.6	0.1	0	0	0	0.2	1	0.9	0.4	1.6	2.5	2.7	4.6	4.1	3.9	3.5	3.6	3.1	1.9	1.6	1.5	1.1	1	1.7
Avg	1.8	1.9	1.8	1.7	1.6	1.6	2	2.5	2.5	2.9	3	3.2	3.4	3.6	3.7	3.5	3.3	3	2.5	2.1	1.9	1.8	1.8	1.7	2.4
S D	1	1	1.1	1.1	1.1	1	1	1.1	1.2	1.4	1.4	1.2	1.3	1.4	1.2	1.2	1	1.1	1.3	1.3	1.2	1.3	1	1	0.8
S/A	0.54	0.52	0.62	0.63	0.71	0.66	0.52	0.45	0.48	0.49	0.47	0.39	0.37	0.38	0.33	0.35	0.31	0.37	0.53	0.64	0.64	0.71	0.58	0.62	0.32
Min	0.2	0.3	0.1	0	0	0	0.2	0.4	0.3	0.4	0.8	1.3	1.8	1.4	1.3	0.6	1.4	1	0.1	0	0.2	0.3	0	0.1	1
Max	4	3.6	4.8	4.2	4.2	4.2	4.4	5	5.1	6.3	6.7	5.9	6.6	6.2	5.9	5.6	5.8	6.1	6.2	5.8	4.8	6.2	4.2	4.3	4.2
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

May 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	1	348	353	2	352	344	337	342	351	7	5	2	359	0	356	13	16	11	5	357	356	352	341	317	358
2	332	313	314	313	311	296	297	342	337	319	290	287	270	271	288	247	262	254	228	210	225	226	209	202	274
3	200	209	220	225	231	248	267	287	309	313	315	307	288	334	11	282	301	295	280	11	224	227	232	244	277
4	262	273	282	282	285	299	323	360	23	31	30	31	353	345	117	139	117	113	121	125	154	167	167	189	61
5	198	201	189	191	197	212	217	221	220	233	216	195	210	186	223	231	223	200	149	148	183	204	244	265	208
6	224	219	212	47	134	219	257	221	251	269	263	252	267	267	237	341	86	93	85	82	93	128	153	26	178
7	14	6	12	17	45	49	48	46	43	41	38	39	46	50	56	50	39	35	40	41	39	36	45	52	40
8	58	52	53	47	38	24	360	340	333	340	352	336	311	357	29	23	27	33	25	31	26	355	351	3	19
9	350	340	337	328	319	313	347	1	20	16	22	49	48	58	56	70	110	171	154	127	127	177	203	206	40
10	209	218	224	226	231	236	248	258	256	246	241	256	247	229	213	218	213	200	156	140	160	157	166	158	219
11	170	188	193	167	138	155	150	127	129	120	121	113	128	141	142	152	157	151	152	160	173	247	271	281	151
12	273	280	274	241	261	263	260	277	349	216	196	189	202	199	207	153	115	131	133	141	162	193	209	221	193
13	226	243	241	246	259	277	261	284	263	243	214	223	221	209	204	191	190	189	135	143	146	156	188	184	213
14	174	179	187	168	136	111	135	131	160	199	111	107	89	102	75	85	88	73	64	67	78	101	154	154	106
15	256	259	235	221	239	234	235	262	226	234	228	227	240	198	94	110	88	97	150	216	123	185	176	197	199
16	225	257	302	304	254	265	274	269	241	244	239	247	238	244	244	252	247	236	232	213	207	221	256	219	247
17	199	197	200	202	208	208	229	235	251	260	243	236	244	237	234	240	234	237	218	202	178	176	192	198	228
18	202	200	214	214	205	203	217	218	231	222	208	217	212	225	227	223	210	207	312	137	251	170	145	161	215
19	203	223	235	241	260	265	261	266	265	263	256	256	256	253	246	256	259	249	251	226	196	194	190	175	251
20	178	191	178	191	196	205	225	241	247	240	239	235	237	238	238	248	256	248	259	239	228	208	233	265	236
21	7	40	44	38	43	46	33	57	60	85	163	177	183	196	230	243	241	229	221	208	207	216	284	335	218
22	8	352	343	345	342	333	355	13	3	319	287	286	296	267	258	272	265	250	233	0	55	153	157	232	312
23	341	44	39	28	38	351	2	7	6	356	348	339	325	309	296	87	84	78	65	66	70	81	133	141	23
24	91	197	93	231	243	255	248	238	253	252	235	235	245	223	229	252	234	272	274	139	183	181	199	222	233
25	216	177	215	162	177	195	162	193	211	214	188	191	188	203	205	199	196	184	182	184	187	192	195	199	194
26	198	194	200	203	203	207	221	216	218	208	204	208	213	215	206	173	179	184	192	203	233	213	184	205	
27	189	193	198	211	220	224	229	253	287	288	319	317	310	312	305	311	314	318	63	16	352	304	246	255	266
28	267	267	297	307	313	310	357	16	12	10	46	42	29	54	47	51	39	38	31	48	38	44	55	57	33
29	65	49	45	50	36	28	13	27	20	29	20	52	48	52	56	51	63	64	63	82	101	109	99	107	52
30	142	142	128	135	167	235	245	281	236	219	242	109	116	103	77	116	129	122	121	121	122	134	125	134	125
31	122	123	109	0	87	64	63	97	142	246	83	89	83	96	115	113	112	128	147	163	165	164	172	178	120
Avg	237	245	259	257	268	269	280	298	289	273	255	241	242	226	219	196	176	166	142	131	160	191	197	190	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

May 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	5.1	4.1	4	4.3	4.1	4	5	5.2	6	7.5	7.5	8.1	8.3	9.1	7.9	8	7.9	8	7.2	6.6	6.1	4.5	3	2.8	6
2	3.5	2.6	2.8	2.9	1.9	1.4	2.2	3.7	4	4.4	5.3	5.9	5.5	5.6	5	4.8	4.1	4.2	2.2	1.7	3.5	5.2	3.3	3.4	3.7
3	3	2.8	3.7	3.7	4.1	3.7	4.5	4.3	4.3	5.9	6	5.6	6.2	4.6	6.1	2.5	2.9	2.7	0.4	0.8	0.6	1	2.1	2.6	3.5
4	4.4	4	3.7	3.8	3.7	3.5	4	5.5	3.9	3.9	2.9	3.7	5.3	5.6	4.6	4.9	4.5	3.6	2.6	3.1	4	3.8	3.4	3.5	4
5	3.2	2.8	2.2	2.1	1.9	2.7	3.7	4.3	4	3.3	4	4.4	3.7	4.1	5.1	4.2	5.9	4.9	2.8	3.7	3.9	5.7	4.3	0.4	3.6
6	1.5	2.5	1	0.5	0.5	1.4	1.1	1.4	1.3	2	2.8	3.3	3.7	3.4	3.3	1.7	5.3	3.8	2.3	2	1	1	0.4	3.1	2.1
7	5.3	5.8	5.5	4	6	7.3	7	7.8	7.7	8.2	8.5	7.7	7.3	6.9	7.3	6.5	6.2	6.5	6.7	7	6.9	6.2	5.1	8.3	6.7
8	7.2	6.3	8.1	8.2	6.7	6.3	5.7	5.4	6.2	6	4.7	3.4	3.8	4.8	6.6	6.5	5.7	5.3	5.8	5.7	4.7	3.4	3.8	4.2	5.6
9	2.8	1.5	2.3	2.7	1.9	1.6	3.9	5.5	6.3	5.9	5.9	6.2	5.5	5.3	5	5	3	2.4	3.2	2.2	1.9	2	2.9	3.3	3.7
10	3.4	3.7	3.9	3.5	3.1	3	3	3.8	4.1	5.3	6.1	6.2	5	5.7	5	5.2	4.3	4.2	2.9	3.4	3.4	3.4	3.2	3.3	4.1
11	3.1	2.6	2.3	1.8	2.1	2	2.5	3.5	5.7	7.1	7.2	7.6	9	9.2	8.8	9.3	10.6	10.5	10.4	10	8.6	6.7	6.3	4.9	6.3
12	4.8	3.9	2.7	2.1	1.6	1.7	1.3	2.9	1.4	2.6	3	4	5.4	5.8	6.1	5.7	5.1	4.8	3.7	4	4	3.3	2.9	2.1	3.5
13	2.3	2.2	2.3	2.8	1.9	1.5	3.2	3	2	3.6	3.9	5.3	5.7	5.3	4.7	4.1	4	3.7	2.7	2.4	2.5	2.7	1.9	1.6	3.1
14	1.1	1.4	1.5	0.5	0.1	0.6	2.4	3.9	4.3	5.6	2.9	3.7	6.4	8.5	6.8	7.6	6.8	5.1	4.1	5.2	3.7	2.6	3.6	4.4	3.9
15	2.6	3.4	2.7	1.8	1.9	3.6	2.7	2.8	2.7	3.9	3.6	4	4.4	3.7	2.6	3.2	4	4.7	6.6	2	0.6	3.5	3.1	3.1	3.2
16	3.8	5.5	5.6	1.8	1.8	3.4	4.2	4.2	5.1	6.2	7	7.3	8.8	8.1	8.1	6.6	6.1	4.5	2.8	1.5	1.2	0.8	0.3	0.4	4.4
17	1	1.8	1.8	1.9	1.4	1.8	3.6	4	4.6	5.2	6.1	6.6	6.3	6.4	5.5	5.9	5.2	4.1	2.1	1.2	2.9	2.9	3.8	3	3.7
18	3	2.6	3	2.3	1.6	2.2	3.4	4.1	5.2	6.4	8.6	8.7	8.9	9.3	8.5	8.2	5.8	3.6	4.9	2.7	4.2	2.2	3.4	4.1	4.9
19	3.1	5.9	6.9	5.1	7.4	7.3	8.3	9.5	9.7	9.3	9.2	9.1	10.2	10.5	10	9	8.6	7	4.3	2.2	0.8	1.1	1.9	2.1	6.6
20	2.2	2.9	2.6	3.9	3.7	4.6	6.1	6.7	8.1	10.2	11	10	10.7	10.1	9.4	9	9.6	6.6	5.6	2.3	1.8	1.7	1.6	2.2	5.9
21	3.4	5.9	4.5	3.8	3.6	2.5	3.4	5.2	4.1	2.9	3	5	5.1	5.6	6.9	8.4	7.4	6.8	4.5	3.7	3.2	3.5	4	3.1	4.6
22	4.3	4.1	3.8	4.4	4.6	3.1	3.4	4.8	3.7	4.1	4.3	4.3	5.8	5.6	5.6	5.2	4.6	3.3	1.6	0	0.3	0.8	0.9	0.9	3.5
23	2.9	3.4	2.9	2.7	2.8	2.5	3.7	6.1	6.2	5.7	5.3	5	4.6	4.7	4.9	6.3	6	4.7	3.8	3.3	1.9	1.4	1.1	1.3	3.9
24	1.4	0.6	0.4	1.2	1.1	1.3	2.6	2.7	3.4	4	4.6	5.7	5.2	5.3	5.1	5.7	5.4	4.3	2.3	2.3	3.6	2.4	2.5	1.7	3.1
25	0.4	1.3	1	0.8	0.7	1.5	1.9	2.9	4.2	5	5.1	6.2	6.9	8.3	7.9	7.2	6.6	7.7	8.3	7.1	6.9	7.4	7.2	7	5
26	6.3	6.1	5.8	6.3	5.2	4.1	4.3	6.5	6.6	8	7	7.4	9.2	10.7	9.6	7.8	8.2	8.6	7.9	8	7.4	10.6	6.7	5	7.2
27	5.4	4.8	5.1	5.6	5.1	4.5	5.1	5.5	5.1	5.2	4.7	5.1	4.8	4.5	5.1	4	3.8	3.1	1.5	2.2	1.7	0.6	0.7	0.6	3.9
28	1.1	1.4	1.5	2	1.8	1.5	3.6	3.5	3.6	3.8	4.2	4.5	5	6.2	6.7	6.6	6.1	5.4	4.3	3.4	3.5	3.5	4.7	5.3	3.9
29	5.1	3.6	3.5	3.9	3	3.1	3.4	3.5	3.2	3.6	4.3	5	5.1	5.1	5.4	5.3	5.1	4.9	4	3	3.2	2.6	1.9	1	3.8
30	0.8	1.9	2	1.8	1.5	1.6	1.4	1.9	1.8	1.6	1.9	2.6	3.2	3.2	5	5	4.5	4.5	4.4	3.9	2.7	2.7	2.6	2	2.7
31	1.6	1.2	0.4	0	0.1	0.1	0.8	1.9	1.9	1.5	3	4.1	4.9	7.3	6.6	6.3	5.8	5.7	5.2	3.3	3	2.7	2.1	2	3
Avg	3.2	3.3	3.2	3	2.8	2.9	3.6	4.4	4.5	5.1	5.3	5.7	6.1	6.4	6.3	6	5.8	5.1	4.2	3.5	3.3	3.3	3.1	3	4.3
SD	1.7	1.6	1.8	1.8	1.9	1.8	1.7	1.8	2	2.1	2.2	1.9	2	2.1	1.8	1.9	1.8	1.8	2.3	2.3	2.1	2.2	1.7	1.8	1.3
S/A	0.53	0.49	0.57	0.6	0.68	0.61	0.47	0.4	0.44	0.42	0.41	0.33	0.33	0.33	0.29	0.32	0.31	0.36	0.53	0.64	0.63	0.67	0.56	0.61	0.3
Min	0.4	0.6	0.4	0	0.1	0.1	0.8	1.4	1.3	1.5	1.9	2.6	3.2	3.2	2.6	1.7	2.9	2.4	0.4	0	0.3	0.6	0.3	0.4	2.1
Max	7.2	6.3	8.1	8.2	7.4	7.3	8.3	9.5	9.7	10.2	11	10	10.7	10.7	10	9.3	10.6	10.5	10.4	10	8.6	10.6	7.2	8.3	7.2
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

May 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	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1020	1020	1020	1020	1020	1020	1019	1019	1020	
2	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1015	1014	1013	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1010	1014
3	1010	1009	1008	1008	1008	1008	1009	1009	1009	1010	1010	1009	1008	1008	1008	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1009
4	1010	1009	1009	1010	1010	1011	1012	1012	1012	1013	1013	1012	1011	1011	1011	1010	1010	1009	1009	1009	1010	1009	1009	1009	1009	1010
5	1009	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1007	1007	1006	1005	1005	1005	1005	1006	1006	1007	1007	1007	1006	1007
6	1005	1005	1004	1004	1004	1005	1006	1007	1007	1007	1006	1007	1007	1007	1007	1007	1007	1007	1008	1009	1009	1010	1010	1010	1007	
7	1012	1012	1012	1012	1013	1014	1015	1016	1016	1017	1017	1017	1016	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1012	1014
8	1011	1010	1009	1009	1009	1009	1010	1010	1011	1011	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1014	1014	1014	1014	1012	
9	1014	1013	1013	1013	1013	1013	1014	1014	1014	1015	1015	1014	1014	1014	1013	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013
10	1012	1011	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1011	1010	1009	1009	1009	1009	1008	1009	1010	1009	1009	1009	1011
11	1008	1007	1007	1007	1007	1007	1007	1007	1007	1006	1005	1004	1004	1003	1001	1001	1000	999	999	999	1000	1002	1003	1003	1004	1004
12	1003	1003	1003	1004	1004	1004	1005	1005	1006	1006	1006	1006	1005	1005	1004	1004	1004	1004	1004	1004	1005	1006	1006	1006	1005	1005
13	1006	1006	1006	1007	1007	1007	1008	1009	1009	1009	1009	1009	1009	1009	1009	1008	1008	1008	1008	1008	1009	1009	1009	1010	1009	1008
14	1009	1009	1009	1009	1009	1009	1010	1010	1010	1011	1010	1010	1009	1009	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1009
15	1007	1007	1008	1008	1009	1009	1010	1010	1010	1010	1010	1010	1009	1008	1007	1007	1006	1006	1007	1007	1007	1008	1006	1005	1008	
16	1005	1004	1004	1004	1005	1006	1006	1007	1007	1007	1007	1006	1006	1005	1005	1005	1005	1005	1006	1006	1006	1006	1006	1006	1006	1006
17	1005	1005	1005	1004	1004	1004	1005	1005	1005	1004	1004	1003	1003	1002	1001	1001	1001	1001	1001	1001	1001	1002	1002	1001	1003	1003
18	1001	1001	1000	1001	1001	1001	1001	1001	1001	1001	1000	1000	999	999	999	999	998	998	999	999	1000	1001	1000	1000	1000	1000
19	1000	1000	1000	1000	1000	1002	1003	1003	1004	1005	1005	1005	1005	1005	1005	1004	1005	1005	1006	1006	1007	1007	1008	1008	1007	1004
20	1007	1006	1006	1006	1005	1006	1006	1007	1006	1006	1006	1005	1004	1004	1004	1004	1004	1004	1005	1005	1006	1007	1006	1006	1005	1005
21	1007	1007	1007	1007	1007	1008	1009	1009	1009	1009	1009	1008	1007	1006	1005	1005	1004	1004	1004	1005	1005	1005	1007	1008	1007	1007
22	1009	1009	1010	1010	1011	1012	1013	1013	1014	1014	1014	1014	1013	1013	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1012
23	1014	1014	1014	1014	1014	1015	1016	1017	1018	1018	1018	1017	1016	1016	1016	1015	1015	1016	1016	1016	1016	1017	1017	1017	1017	1016
24	1017	1017	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1015	1016
25	1014	1013	1013	1013	1013	1013	1013	1014	1014	1013	1013	1012	1012	1011	1010	1009	1008	1008	1008	1008	1008	1008	1008	1009	1009	1011
26	1008	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1006	1006	1005	1004	1003	1003	1003	1003	1003	1003	1004	1005	1005	1005	1006
27	1004	1004	1004	1004	1004	1005	1005	1006	1006	1007	1008	1008	1008	1008	1008	1009	1009	1009	1010	1011	1011	1012	1013	1013	1008	1008
28	1013	1013	1013	1013	1014	1015	1015	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1016
29	1018	1018	1018	1018	1018	1019	1019	1020	1020	1019	1019	1019	1019	1018	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018
30	1017	1017	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1017
31	1018	1018	1018	1018	1018	1019	1019	1019	1020	1020	1020	1019	1019	1019	1018	1018	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018
Avg	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1011	1010	1010	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010
S/D	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	5	5	5	5	5	5	5	5
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	1000	1000	1000	1000	1000	1001	1001	1001	1001	1001	1000	1000	999	999	999	999	998	998	999	999	1000	1001	1000	1000	1000	1000
Max	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1020	1020	1020	1020	1020	1020	1020	1019	1019	1020
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.

May 2006

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

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