

June 2005

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	8	62	156	261	429	455	414	316	320	301	209	164	164	55	14	0	0	0	0	0	3329
2	0	0	0	0	1	4 ?	27	68	109	151	124	106	101	97	118	81	48	32 ?	4 ?	1	0	0	0	0	1073 ?
3	0	0	0	0	1	12	60	105	89 ?	232	285	509	402	338 ?	127	281	232	120	60	2	0	0	0	0	2855
4	0	0	0	0	5	16	192	235	158	596	459	594	356	371	636	468	208	181	63	6	0	0	0	0	4544
5	0	0	0	0	3	26	98	255	372	606	760	1039	1007	673	819	626	447	235	56	4	0	0	0	0	7028
6	0	0	0	0	5	45	176	376	552	747	875	966	958	302	500	687	358	163	112	8	0	0	0	0	6828
7	0	0	0	0	3	39	88	125	261	240	415	858	913	855	549	122	?	?	0 ?	0	0	0	0	0	4468 ?
8	0	0	0	0	5	47	95	380	564	753	882	965	967	884	804	624	316	242	26	9	0	0	0	0	7563
9	0	0	0	0	6	56	119	417	378	588	817	985	1040	923	796	578	382	172	31	4	0	0	0	0	7291
10	0	0	0	0	3	47	217	192	399	641	764	955	991	967	850	644	466	279	90	7	0	0	0	0	7512
11	0	0	0	0	6	82	243	442	651	694	824	984	784	690	725	521	365	193	60	7	0	0	0	0	7270
12	0	0	0	0	5	77	248	379	606	745	843	920	497	811	604	650	494	263	116	19	0	0	0	0	7278
13	0	0	0	0	6	47	212	312	447	613	879	758	965	691	773	489	429	265	64	6	0	0	0	0	6956
14	0	0	0	0	4	25	146	343	497	681	700	792	739	515	436	464	441	263	83	8	0	0	0	0	6137
15	0	0	0	0	6	60	220	403	587	770	894	934	894	593	613	530	428	237	88	5	0	0	0	0	7263
16	0	0	0	0	5	68	220	402	555	764	903	979	966	936	767	511	421	251	88	6	0	0	0	0	7842
17	0	0	0	0	5	60	214	382	386	535	587	704	593	323	676	459	239	238	89	7	0	0	0	0	5498
18	0	0	0	0	10	51	222	389	494	508	434	700	807	895	706	558	470	269	94	10	0	0	0	0	6618
19	0	0	0	0	3	55	226	409	497	699	905	869	849	829	700	500	347	325	63	15	0	0	0	0	7288
20	0	0	0	0	1	18	120	165	401	551	533	926	657	802	628	468	396	247	116	22	0	0	0	0	6049
21	0	0	0	0	4	80	246	423	611	789	902	1006	1022	945	830	528	353	184	76	12	0	0	0	0	8012
22	0	0	0	0	4	51	134	238	542	744	861	857	969	755	607	435	317	166	79	2	0	0	0	0	6762
23	0	0	0	0	4	56	200	345	545	725	905	982	994	946	835	669	481	284	94	10	0	0	0	0	8077
24	0	0	0	0	6	67	202	436	617	807	937	1009	1024	975	869	693	487	282	100	18	0	0	0	0	8528
25	0	0	0	0	7	56	226	348	527	720	762	796	732	525	315	239	221	227	69	8	0	0	0	0	5779
26	0	0	0	0	2	24	38	34 ?	50	76	97	147	304	245	118	251	337	148	71	4	0	0	0	0	1945
27	0	0	0	0	3	62	144	254	331	686	959	860	631	660	582	187	221	172	22	2	0	0	0	0	5776
28	0	0	0	0	5	61	159	253	397	433	653	581	757	607	385	83	63	47	24	3	0	0	0	0	4511
29	0	0	0	0	0	4	?	?	58 ?	67	107	202	260	341	240	182	108	64	67	3	0	0	0	0	1704 ?
30	0	0	0	0	4	38	105	207	366	543	618	455	736	720	615	285	445	232	59	8	0	0	0	0	5433
Avg	0	0	0	0	4	47	164	296	416	572	670	758	741	650	581	433	334	201	66	7	0	0	0	0	5907
S D	0	0	0	0	2	22	65	118	176	216	266	274	272	258	235	194	130	78	32	5	0	0	0	0	2017
S/A	0	0	0	0	0.47	0.47	0.4	0.4	0.42	0.38	0.4	0.36	0.37	0.4	0.4	0.45	0.39	0.39	0.49	0.76	0	0	0	0	0.34
Min	0	0	0	0	0	4	27	34	50	67	97	106	101	97	118	81	48	32	0	0	0	0	0	0	1073
Max	0	0	0	0	10	82	248	442	651	807	959	1039	1040	975	869	693	494	325	116	22	0	0	0	0	8528
n	0	0	0	0	83	354	346	343	349	356	358	360	360	357	360	360	346	340	352	112	0	0	0	0	5138

Daylight Data Recovery: 0.0% missing; 1.9% exceed the 15% QC threshold -- 5235 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

June 2005

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	38	106	32	27	127	42	8	1	1	1	0	0	0	0	0	0	0	0	0	0	383
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	5	9	49	25	13 ?	0	13	4	28	4	0	0	0	0	0	152
4	0	0	0	0	0	0	235	167	1	118	40	121	17	49	325	200	18	172	78	0	0	0	0	0	1542
5	0	0	0	0	0	0	0	10	21	285	443	727	682	367	677	626	570	369	107	0	0	0	0	0	4884
6	0	0	0	0	0	0	98	346	426	469	533	622	497	13	165	515	290	70	167	0	0	0	0	0	4210
7	0	0	0	0	0	13	19	1	0	1	11	365	454	473	297	0	0	0	0	0	0	0	0	0	1633
8	0	0	0	0	0	43	36	419	536	586	645	659	662	681	679	594	260	302	0	0	0	0	0	0	6103
9	0	0	0	0	3	93	17	315	185	352	523	589	674	589	537	236	312	194	0	0	0	0	0	0	4618
10	0	0	0	0	1	41	271	53	133	340	455	723	811	821	797	659	673	602	341	0	0	0	0	0	6720
11	0	0	0	0	14	298	544	696	603	506	599	729	443	355	579	427	334	144	11	0	0	0	0	0	6282
12	0	0	0	0	4	210	513	371	540	584	612	627	160	504	340	603	681	353	241	0	0	0	0	0	6342
13	0	0	0	0	1	38	245	213	277	390	560	364	674	312	609	338	516	444	86	0	0	0	0	0	5068
14	0	0	0	0	0	7	24	189	338	479	401	415	352	216	180	342	522	481	253	0	0	0	0	0	4199
15	0	0	0	0	1	105	368	560	668	715	739	689	560	240	318	387	475	311	234	0	0	0	0	0	6370
16	0	0	0	0	14	253	410	483	481	611	787	809	725	766	618	388	491	461	292	0	0	0	0	0	7591
17	0	0	0	0	7	153	292	287	86	113	118	144	166	28	423	303	133	334	302	2	0	0	0	0	2890
18	0	0	0	0	20	92	410	334	240	100	23	163	375	541	342	280	532	492	284	0	0	0	0	0	4229
19	0	0	0	0	5	155	452	594	451	536	697	555	473	483	377	199	179	353	23	0	0	0	0	0	5532
20	0	0	0	0	0	0	31	28	138	167	153	517	160	400	225	189	320	410	347	5	0	0	0	0	3089
21	0	0	0	0	13	319	581	679	707	784	808	880	851	811	776	397	300	100	80	2	0	0	0	0	8087
22	0	0	0	0	2	59	42	44	383	551	575	495	544	373	247	109	94	29	76	0	0	0	0	0	3623
23	0	0	0	0	1	113	291	340	469	579	748	797	801	793	776	756	699	581	310	6	0	0	0	0	8058
24	0	0	0	0	10	255	273	606	727	777	853	884	898	890	869	822	720	584	318	7	0	0	0	0	9493
25	0	0	0	0	2	75	399	402	432	511	371	363	254	94	1	1	12	125	11	0	0	0	0	0	3052
26	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1	5	6	51	0	0	0	0	0	67
27	0	0	0	0	0	209	96	12	7	399	736	537	119	291	278	2	36	60	0	0	0	0	0	0	2783
28	0	0	0	0	0	52	130	54	82	96	214	129	376	208	51	0	0	0	0	0	0	0	0	0	1390
29	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	26	1	0	0	0	0	30
30	0	0	0	0	0	1	1	3	22	120	193	103	292	246	214	92	424	262	32	0	0	0	0	0	2007
Avg	0	0	0	0	5	90	194	241	269	341	395	435	402	352	357	283	287	242	122	1	0	0	0	0	4014
S/D	0	0	0	0	8	99	193	234	246	258	301	297	291	288	277	255	254	204	130	2	0	0	0	0	2699
S/A	0	0	0	0	1.81	1.1	1	0.97	0.91	0.76	0.76	0.68	0.73	0.82	0.78	0.9	0.88	0.84	1.06	2.38	0	0	0	0	0.67
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	0
Max	0	0	0	0	38	319	581	696	727	784	853	884	898	890	869	822	720	602	347	7	0	0	0	0	9493
n	0	0	0	0	83	360	360	360	360	360	360	360	360	357	360	360	360	360	360	112	0	0	0	0	5232

Daylight Data Recovery: 0.0% missing; 0.1% exceed the 15% QC threshold -- 5235 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

June 2005

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	7	53	147	253	352	430	414	316	320	301	209	164	164	55	14	0	0	0	0	0	3199
2	0	0	0	0	1 ?	6	26	68	109	151	124	106	101	97	118	81	45	22	6	1	0	0	0	0	1062
3	0	0	0	0	2 ?	12	60	105	79	214	285	473	385	259	127	277	232	114	60	2	0	0	0	0	2683
4	0	0	0	0	5 ?	16	104	160	158	493	423	469	343	324	360	321	200	129	51	6	0	0	0	0	3564
5	0	0	0	0	4 ?	26	98	254	362	365	330	296	299	325	233	185	145	108	39	4	0	0	0	0	3072
6	0	0	0	0	6 ?	45	149	219	281	359	370	338	455	290	356	326	191	144	85	7	0	0	0	0	3619
7	0	0	0	0	4 ?	36	82	125	261	240	404	457	423	375	277	121	32 ?	?	0 ?	0	0	0	0	0	2837 ?
8	0	0	0	0	6 ?	40	81	185	223	260	263	284	273	206	205	197	170	136	26	9	0	0	0	0	2563
9	0	0	0	0	7 ?	46	114	263	255	276	305	336	299	290	296	373	197	87	30	4	0	0	0	0	3178
10	0	0	0	0	4 ?	38	123	165	294	331	297	193	135	147	139	156	100	64	35	7	0	0	0	0	2227
11	0	0	0	0	6 ?	40	73	104	243	246	228	222	292	310	192	190	166	129	56	7	0	0	0	0	2505
12	0	0	0	0	6 ?	44	75	187	231	215	218	234	290	272	260	193	115	119	73	17	0	0	0	0	2549
13	0	0	0	0	7 ?	38	122	194	244	241	300	322	223	323	201	223	132	92	47	6	0	0	0	0	2715
14	0	0	0	0	5 ?	23	130	231	250	256	285	327	328	274	251	201	143	84	39	7	0	0	0	0	2832
15	0	0	0	0	6 ?	42	96	125	140	158	167	199	270	313	297	228	162	113	199	47	5	0	0	0	2368
16	0	0	0	0	4	32	92	154	204	229	133	144	184	162	200	213	144	84	35	5	0	0	0	0	2018
17	0	0	0	0	5 ?	40	107	228	291	399	428	485	377	270	282	226	166	120	37	7	0	0	0	0	3469
18	0	0	0	0	10 ?	41	88	208	312	388	384	469	357	307	346	304	175	90	45	10	0	0	0	0	3532
19	0	0	0	0	3	31	82	114	189	230	217	267	309	312	317	322	232	183	54	14	0	0	0	0	2875
20	0	0	0	0	1 ?	17	100	142	286	381	352	354	439	352	373	291	200	95	53	20	0	0	0	0	3455
21	0	0	0	0	4 ?	27	60	88	131	119	108	99	128	130	127	207	172	145	62	11	0	0	0	0	1618
22	0	0	0	0	5 ?	43	117	208	267	271	293	328	382	354	345	327	244	149	64	2	0	0	0	0	3399
23	0	0	0	0	5 ?	39	110	172	219	219	177	155	155	149	136	113	92	70	39	9	0	0	0	0	1860
24	0	0	0	0	6 ?	37	105	137	134	143	116	99	91	91	90	88	85	70	45	18	0	0	0	0	1356
25	0	0	0	0	7	45	104	141	239	281	379	391	425	403	308	233	209	168	66	8	0	0	0	0	3409
26	0	0	0	0	2	24	37	32	47	71	92	146	301	244	118	248	327	144	60	5	0	0	0	0	1897
27	0	0	0	0	3	37	123	248	328	325	260	307	476	339	319	183	198	146	22	2	0	0	0	0	3316
28	0	0	0	0	6 ?	52	114	227	337	334	430	440	346	367	323	83	63	47	24	3	0	0	0	0	3196
29	0	0	0	0	0	5	10 ?	26 ?	49	66	102	202	260	341	240	182	108	60	62	3	0	0	0	0	1717
30	0	0	0	0	5 ?	38	105	207	357	451	442	351	442	491	429	226	219	141	54	8	0	0	0	0	3966
Avg	0	0	0	0	5	34	94	166	229	271	277	294	304	281	249	216	161	107	44	7	0	0	0	0	2735
S D	0	0	0	0	2	13	32	65	90	108	112	119	108	93	91	77	64	39	19	5	0	0	0	0	747
S/A	0	0	0	0	0.46	0.38	0.34	0.39	0.39	0.4	0.4	0.41	0.36	0.33	0.37	0.36	0.4	0.36	0.44	0.74	0	0	0	0	0.27
Min	0	0	0	0	0	5	10	26	47	66	92	99	91	91	90	81	32	22	0	0	0	0	0	0	1062
Max	0	0	0	0	10	53	149	263	362	493	442	485	476	491	429	373	327	183	85	20	0	0	0	0	3966
n	0	0	0	0	60	360	350	355	358	359	360	360	360	360	360	360	353	347	355	112	0	0	0	0	5169

Daylight Data Recovery: 0.0% missing; 1.3% exceed the 15% QC threshold -- 5235 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

June 2005

Dry Bulb Temperature (Roof)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	16.2	15.9	15.4	15.6	15.4	15.8	16.7	17.3	18.6	19.4	19.7	19.4	19.1	18.9	18.4	17.9	17.7	17.4	17	16.4	16.1	15.8	15.7	15.5	17.1
2	15.9	16	15.8	16.4	16.7	16.4	16.2	16.1	16	16.4	16.4	16.7	16.7	16.9	16.7	16.6	16.6	16.7	16.6	16.7	16.7	17.1	17.6	18.3	16.6
3	19.1	19.2	19.4	19.4	19.4	19.5	19.9	20.4	21.4	22	22.9	24.1	25	24.4	21.5	22.5	22.7	22.2	22	21	20.7	20.5	20.2	19.8	21.2
4	19.5	19.4	19.3	19.1	19	19.1	19.8	21.4	21.3	23.1	24.1	24.8	24.6	24.2	24.1	24.6	24.5	23.6	23.1	21.8	20.9	20.3	20	19.7	21.7
5	19.4	19.6	19.7	19.6	19.7	19.9	20.5	21.4	22.4	24.6	26.6	27.9	28.6	28.3	29.3	28.6	27.1	26.6	25.7	24.2	24	23.4	22.7	22.3	23.8
6	21.9	21.7	21.6	21.5	21.3	21.3	21.9	23.6	25.6	26.9	27.9	29.1	29.4	27.2	27.2	27.7	27.6	26.5	26.3	24.4	24.4	23.7	23.1	22.9	24.8
7	22.9	22.7	22.4	22.2	22	22	22.6	22.8	23.5	24	25	26.3	27.9	29	29.7	29.1	28.2	27.5	24.1	23	22.9	22.9	22.7	22.2	24.5
8	21.8	21.4	20.9	20.6	20.3	20.3	20.8	23.5	26.9	27.9	28.3	29	29.1	30.2	29.5	29.4	29.1	29.3	27.9	26.5	25.6	24.8	24.3	24.2	25.5
9	24	23.6	23.3	23	22.8	23	23.9	25.1	25.7	26.7	27.7	27.3	27.2	27.1	27.4	27.6	27.1	26.5	25.2	25.1	24.8	24.5	24.2	24	25.3
10	23.9	23.7	23.7	23.6	23.6	23.4	24.1	24.5	24.9	25.7	26.7	27.3	27.8	28.3	27.9	27.9	27.9	27.4	26.3	24.8	23.9	23.3	22.7	22.1	25.2
11	21.1	20.8	20.4	20.2	19.9	20.5	22.6	24	25	25.6	26.7	27.3	27.7	27.8	27.6	27.5	27.4	27.1	26.3	25.2	24.5	24	23.8	23.6	24.4
12	23.5	23.2	22.9	22.5	22.2	22.5	23.8	25	25.9	26.7	27.5	28.3	28.2	29.1	29.3	29.6	29.2	28.5	27.5	26.3	25.4	24.9	24.6	24.2	25.9
13	23.9	23.4	23.2	22.9	22.8	23.3	24.4	25.2	26.1	26.8	28.1	28.6	29.6	30.3	30.5	30.6	30.8	31	29.6	28.4	27.4	26.7	26.2	25.7	26.9
14	25.3	25.1	25.1	25	24.7	24.5	24.9	26	27.4	28.4	30	30.7	31.4	32.1	32.5	32.9	33	32.5	31.5	30.1	28.8	27.9	27.4	26.9	28.5
15	26.3	25.7	25.3	25	24.8	24.8	25.6	27.2	28.6	30.5	31.7	32.2	32.8	32.7	32.9	33.1	33.3	32.7	31.9	30.2	28.8	27.6	26.2	25.6	29
16	24.6	23.6	23.2	23	22.8	22.8	24.4	26.1	27.5	29.1	29.6	30.3	30.8	31.1	31.2	30.8	30.9	30.4	29.6	27.9	26.7	26.3	24.9	24.3	27.2
17	23	22.2	21	20.2	19.9	19.9	21.2	23.2	23.4	24.6	25.1	25.7	26.1	25.4	26.4	26.7	26.3	25.5	24.9	23.6	22.8	22.3	21.4	20.6	23.4
18	20	20.4	20.1	19.6	19.6	20.3	21.6	23	23.8	24.6	24.7	25.2	25.5	26.2	26.5	26.4	25.9	25.3	24.5	23	22.2	21.9	21.8	21.1	23.1
19	20.7	20.3	19.3	18.8	18.5	18.4	20	22.1	23.6	24.8	25.7	25.7	25.2	25.3	24.9	23.9	23	22.7	21.5	20.5	19.9	19.7	19.7	19.6	21.8
20	19.4	19.1	18.8	18.7	18.5	18.4	18.7	19.1	19.9	20.5	20.6	21.5	21.2	21.1	20.8	20.3	20	19.7	19.3	18.3	17.5	16.9	16.1	15.3	19.2
21	14.9	14.6	14.3	14.3	13.6	13.5	15.8	18.4	20	21.8	23.3	24.4	25	26.4	27.3	27.4	26.7	23.9	22.7	21.9	21.4	21	21	21	20.6
22	20.8	20.4	20.1	19.8	19.8	19.9	20.6	21.7	23.1	25.2	27	28.8	29.6	29.8	29.9	30	29.9	27.8	26.1	24.8	23.8	23.1	22.6	21.7	24.4
23	21.5	20.5	19.9	19.7	19.4	19.7	21.7	22.8	23.5	24.3	25.2	25.7	26.2	26.3	26.4	26.1	25.5	24.4	22.6	21.1	20.4	20.1	19.7	19.7	22.6
24	19.8	19.5	19.4	19.2	19.3	19.4	20.6	22.1	23.9	25	26.3	27.4	27.7	27.5	27.6	27.8	27.4	26.6	25.5	24.3	23.4	22.8	22.4	22	23.6
25	21.9	21.7	21.5	21.3	21.5	21.6	23.1	24.1	25.4	26.5	27	27.5	27.6	27.4	26.5	26	25.8	25.8	25.4	24.6	24.1	23.5	23.1	23	24.4
26	22.9	23	23	23.3	23.5	23.6	23.9	23.9	23.4	23.5	23.6	23.2	23.3	23.4	23.4	22.8	22.8	22.7	22.9	23	23.2	23.3	23.2	23	23.2
27	22.5	22.1	22	21.7	21.4	21.7	23.1	24.1	25.2	26.4	28.2	29.3	29.6	30.5	30.6	29.1	29.1	28.4	27.5	27.2	26.7	26.4	25.8	25.6	26
28	25.4	25.1	24.8	24.5	24.2	24.3	25.1	26.1	26.9	27.3	28.9	29.8	30	29.4	28.8	26.9	26	25.7	25.7	25.4	25.1	24.7	24.4	24.2	26.2
29	24.1	24	23.9	23.7	23.1	22.6	22.7	22.7	22	21.7	21.4	22.1	22.8	22.9	23.7	23.6	23.6	23.3	21.8	22	22.3	22.5	22.4	22.2	22.8
30	22	21.9	21.8	21.7	21.5	21.6	22.3	22.8	24	25.8	27.8	28.6	28.9	29.9	29.2	27.1	27.5	27.5	26.3	25.9	25.3	25	24.6	24	25.1
Avg	21.6	21.3	21.1	20.9	20.7	20.8	21.7	22.8	23.8	24.9	25.8	26.5	26.8	27	26.9	26.7	26.4	25.8	24.9	24	23.3	22.9	22.5	22.1	23.8
S D	2.8	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.8	3	3.3	3.4	3.6	3.7	3.9	3.9	3.9	3.8	3.6	3.4	3.2	3	2.8	2.8	2.9
S/A	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.12
Min	14.9	14.6	14.3	14.3	13.6	13.5	15.8	16.1	16	16.4	16.4	16.7	16.7	16.9	16.7	16.6	16.6	16.7	16.6	16.4	16.1	15.8	15.7	15.3	16.6
Max	26.3	25.7	25.3	25	24.8	24.8	25.6	27.2	28.6	30.5	31.7	32.2	32.8	32.7	32.9	33.1	33.3	32.7	31.9	30.2	28.8	27.9	27.4	26.9	29
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 1.00 deg C/mV Calibration Date: 03/1988

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

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

Prepared by: Afshin M. Andreas, NREL

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

June 2005

Relative Humidity (Roof)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Percent

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily				
1	101.4	101.9	103.6	102.5	102.1	99.6	96.8	94.6	82.7	74.7	72.9	74.5	77.5	78.7	82.2	87.4	91.9	94.5	95.5	98.6	100.6	103.6	?	?	91.7				
2	?	?	?	?	?	104.6	?	104.8	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			
3	?	?	?	?	?	?	?	?	?	?	?	101.8	99.1	99.4	103.9	99.8	97.5	98.4	98.2	100.3	102.2	103.3	104	104.8	?	101			
4	?	?	?	?	?	?	103.6	?	98.3	98.4	92.4	88.2	85.3	89.8	94.5	94.4	92.3	92.7	95.3	95.9	98.9	99.1	100.8	101	102.6	95.8			
5	?	?	?	?	?	?	?	?	?	?	?	91.1	86.2	80.2	80.1	71.9	78.8	85.9	89.6	94.5	100.8	100.7	102.7	104.7	?	90.4			
6	?	?	?	?	?	?	?	?	104	?	99.7	94.9	90.5	84.3	83	87.7	86.5	84.5	84.3	89.1	89.9	94.8	99	101.6	104.1	?	92.4		
7	104.8	?	104.7	105	?	?	?	?	104.7	?	104.4	102.8	102.8	100	96	91.5	87.6	83.6	86.8	89.8	95	94.7	99.6	102.2	101.1	102.3	103.4	98.2	
8	102.9	103	104.6	104.8	?	?	?	104.8	?	98	81.8	78.2	79.2	79	78	70.6	78.2	76.5	79.4	78.4	82.5	89.2	95.6	100	102.3	102.8	89.5		
9	103.8	104.9	?	?	?	?	?	103.6	?	99.1	96.1	91	87.1	88.4	89.6	88.6	88.4	87.5	89.1	92.4	97	97.5	98.6	99.4	100.3	102.1	95.2		
10	103.1	104.1	104.5	104.2	103.4	102.4	99.3	95.3	92.7	87.7	82.6	77	71.1	69.1	77.2	79.3	72.6	72	76.3	85	90.3	93.8	95.2	96.6	96.6	88.9			
11	99.5	100.4	100.6	101.1	102.6	102.7	97.6	90.1	83.3	78.4	71.3	69.6	68.6	72	72	75.3	76.6	79.1	83.8	91.5	95.9	98.5	98.7	98	98	87.8			
12	99	100.5	101.5	102.5	103	102.2	99.1	92.9	86.8	81.5	78	74.5	77.1	71.7	70.2	69.2	69.7	74.9	82.5	86.6	93.3	96.2	97.6	99.5	99.5	87.9			
13	99.9	101.9	102.8	103.9	104.6	104.2	101.3	97.3	93.3	88.5	83.2	81.3	76.8	72.6	72.2	72.9	72.3	73.3	80.4	88.8	94.3	96.3	96.7	98	98.9	89.9			
14	98.7	99.8	100	100.6	101.7	102.5	102	99	93.8	89.3	82.3	78.9	75.6	72.1	69.8	68	67.1	69.3	72.7	78.6	85.4	92	96.6	98.7	98.7	87.3			
15	100.3	102.4	104.1	104.8	?	?	?	103.2	?	97.2	90	79.1	70.4	67.6	65.3	66.6	67.4	60.8	58.4	59.8	63.1	69	69.4	73.2	77.5	77.8	78.5		
16	82.3	87.4	87.2	88.9	91.8	93.4	84.4	73.3	65	59.7	57.2	52.1	50.6	50.9	50.2	49.3	49.2	49.4	52.5	57.8	64.1	66.7	71.8	74.6	67.1	67.1			
17	83.2	83.6	88.5	89.8	85.9	85.9	81.7	74.1	75.6	72.3	68	65.9	65.4	70.6	67	62.8	69.1	77.3	81.3	86.7	88.9	90.5	95	99.3	79.5	79.5			
18	100.7	99.4	98	100.6	101.1	98.4	93.8	88	83.5	77.4	71.7	68.7	64.7	59	55.8	54.9	56	54.9	57.9	69.6	83.3	82.5	80	88.4	78.7	78.7			
19	90.3	93.2	98.8	100.2	99.3	98.9	95	89.4	80.8	69.2	65.3	67.5	69.6	66.1	69.2	75.3	79.4	80.6	84.3	88.9	89.9	90.1	89.9	88.5	84.2	84.2			
20	88.7	89.1	89.8	90	90.7	91.1	89.9	88.6	83.6	79.8	78.9	76.5	74.7	72	72.8	77.3	80.5	79.3	82.3	85.9	91.2	94.5	96.5	98.9	85.1	85.1			
21	100	101	102.4	102.5	104.3	104.5	?	100.7	94.1	86.6	76.6	68.2	59.5	56.3	47.5	47.5	51.2	60.1	77.7	83	87.5	93.4	95.8	96.7	98.6	83.2			
22	99.5	99.2	98.5	99.4	98.9	98	95.9	92.5	87.1	80.2	72.9	62.1	57.8	56.7	54	52.5	51.2	65.9	76.6	83.4	88.4	91.5	92.9	98.2	81.4	81.4			
23	99.5	102.4	104.1	104.7	104.8	?	104	?	99.3	94.9	89.6	83.4	76.7	72.9	72.2	71.6	73	73.8	75.5	82	91.8	97.4	101.7	104	104.9	?	90.6		
24	?	?	?	?	?	?	104.8	?	102.9	99	94.5	86.5	67.6	51.9	48.8	49.9	52.6	57	63.7	67.4	80.9	89.9	94.9	96.8	99.2	101.5	79.5		
25	102.6	104.2	105	?	?	?	?	101.4	?	95.9	88.7	81.2	77.3	74	76.4	78.9	81.8	87.1	89.1	88.9	91.3	95.2	98.6	101.4	103.3	104.5	91.7		
26	105	?	?	?	?	?	?	104	104.3	?	?	?	104.8	?	104.6	?	102.7	103.3	104.5	?	103.7	?	103.4	101.1	99.6	99.6	100.2	101	102.8
27	102.7	103.7	103.9	104.9	?	104.8	?	102.9	99.8	96.5	91	82.6	78.9	77.2	74.5	79.1	84.7	86.4	90.1	93.6	94.8	97.2	97.8	100.8	100.7	93.4	93.4		
28	101.5	103.1	104.4	104.9	?	?	?	104	100.4	97	94.8	86.2	81.4	80.2	84.9	87	96.3	100.7	102.1	101.5	103.3	104.4	104.9	?	?	97.2	97.2		
29	?	?	?	?	?	?	?	?	?	?	?	?	?	?	102.6	?	102	90.3	93	100.6	99.7	103.6	?	?	?	?	98.8		
30	?	?	?	?	?	?	?	?	?	104.3	?	100.3	93.4	90.6	88.6	85.1	89.8	91.9	86.9	88	96.9	101.8	103.3	103	101.9	104.5	95.6		

Avg	98.6	99.5	100.3	100.6	99.6	100.1	98.8	95	90	84.2	78.6	76.8	76.3	75.3	75.6	76.9	77.7	81.7	85.8	90.1	93.8	95.8	96.7	97.5	89.1	?
SD	6.5	6	5.6	5.4	5.9	5.4	6.2	7.9	9.2	10.1	10	13	14	14.7	14.7	15.2	14.6	14.1	12.9	10.9	9.4	9	8.4	7.9	8	8
S/A	0.07	0.06	0.06	0.05	0.06	0.05	0.06	0.08	0.1	0.12	0.13	0.17	0.18	0.2	0.19	0.2	0.19	0.17	0.15	0.12	0.1	0.09	0.09	0.08	0.09	0.09
Min	82.3	83.6	87.2	88.9	85.9	85.9	81.7	73.3	65	59.7	57.2	51.9	48.8	47.5	47.5	49.3	49.2	49.4	52.5	57.8	64.1	66.7	71.8	74.6	67.1	67.1
Max	105	104.9	105	104.9	104.8	104.8	104.8	104.8	104.8	102.8	100	104.8	104.6	102.7	103.9	104.5	100.7	103.7	103.6	103.3	104.4	104.9	104.9	104.8	102.8	102.8
n	258	245	220	194	162	161	253	291	301	310	312	326	337	348	348	343	336	342	344	336	336	334	294	266	6981	

Data Recovery: 0.0% missing; 19.0% failed QC -- 8640 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

June 2005

Dry Bulb Temperature (CR10)
Hourly and Daily Averages
Instrument: CSI
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	15.3	15	14.6	14.4	14.4	14.4	15.2	16.7	18.4	20.5	21.8	22.1	21.9	21.6	21.2	20.1	19.3	18.5	17.9	17.2	16.4	15.9	15.8	15.8	17.7
2	15.8	16.1	16.2	16.3	16.6	16.7	16.5	16.4	16.3	16.4	16.8	17	17.1	17.3	17.4	17.3	17.2	17.2	17.1	17	17.1	17.2	17.5	17.9	16.9
3	18.6	19.2	19.5	19.7	19.8	19.9	20.1	20.6	21.3	22	23.1	24.7	27	27.7	25.4	23.6	24.2	24.3	24	23.1	22	21.5	21	20.4	22.2
4	19.9	19.8	19.8	19.8	19.6	19.3	19.7	22.1	23.5	24.5	27.8	29.2	29.8	28.6	28.2	28.9	28.6	27.4	26.3	24.4	22.3	21	20.2	19.8	23.8
5	19.5	19.4	19.7	19.9	20	20.1	20.6	21.6	23.6	26.2	29.5	31.8	33.4	33.4	33.7	34.3	33.2	31.5	29.7	27	24.9	24	23.2	22.6	26
6	22.2	21.8	21.6	21.5	21.5	21.6	22	23.6	26.8	29.9	32	33.3	33.8	33.4	31.4	31.4	32	30.5	29	27.6	25.5	24.2	23.4	22.9	26.8
7	22.7	22.4	22.2	22.1	21.9	21.8	22.2	22.9	24	25.4	26.5	28.6	30.6	32.1	33.3	32.8	30.9	29.2	27	24.5	23.5	23.1	22.9	22.7	25.6
8	22.3	21.8	21.2	20.8	20.4	20.2	20.5	22.2	27.1	31.2	33	34	34.1	34	34.5	34.2	33.8	32.9	31.6	28.9	26.9	25.5	24.5	24	27.5
9	23.7	23.4	23.2	23	22.8	22.8	23.4	25	27.7	29	31.3	32.1	31.7	31.3	31.5	32.3	32.1	30.9	28.4	26.5	25.5	24.7	24.3	23.9	27.1
10	23.7	23.5	23.6	23.6	23.4	23.2	23.8	25.6	26.1	27.7	29.7	31	31.4	31.4	32	32.1	32.1	31.7	30.4	27.9	25.3	23.8	22.8	21.8	27
11	20.7	19.5	19	18.7	18.5	18.6	20.4	23.7	26.7	28.7	30.2	31.5	32	31.8	31.8	31.5	31.2	30.6	29.1	27.1	25.5	24.5	23.9	23.5	25.8
12	23.3	23	22.6	22.2	21.8	21.6	23.1	25.7	28	29.8	31.5	32.7	32.9	32.5	33.1	33.5	33.8	33.3	31.5	29.4	27.1	25.6	24.9	24.3	27.8
13	23.8	23.4	22.9	22.6	22.4	22.6	23.6	25.8	27.4	28.8	30.6	32.3	32.7	33.4	33.7	34.2	34.4	34.4	33.7	31.3	29.1	27.8	26.9	26.2	28.5
14	25.7	25.4	25.3	25.3	25.1	24.9	25.1	26.3	28.6	30.7	32.8	34.7	35.5	35.7	36	36.3	36.7	36.5	35.2	32.9	30.3	28.6	27.7	27.1	30.4
15	26.5	26	25.5	25.1	24.9	24.8	25.3	27.4	29.8	32.2	34.6	36	36.5	36.5	36.4	36.6	36.5	36.5	35.1	32.9	30.2	28.2	26.7	25.4	30.6
16	24.2	23.2	22.3	21.6	21.5	21.7	23.2	26	28.9	31.6	34	34.9	34.8	34.5	34.6	34.3	33.9	33.4	32.5	30.4	27.9	26.5	25.6	24.2	28.6
17	23.4	22.4	21.3	19.7	18.9	18.5	19.4	22.5	25	26.5	28.2	29.9	31.2	30.7	29.7	30.6	30.1	29.2	28.5	26.4	23.8	22.4	21.4	20.2	25
18	19.4	19.1	18.9	18.5	18.1	18.3	19.4	22.4	25	26.7	27.7	28.1	29	29.7	30.7	31.1	30.7	29.8	28.3	25.9	23.3	22.1	21.5	20.8	24.4
19	20	19.4	18.7	18.1	17.6	17.4	18.6	21.4	24.5	26.6	28.5	29.8	29.6	29.2	29	28.5	27.5	26.4	25.3	22.8	21.1	20.3	19.8	19.8	23.3
20	19.7	19.5	19.2	19	18.9	18.7	18.7	19.5	20.6	22.3	23.3	24.1	25.2	25.1	25	24.7	23.9	23.2	22.4	20.8	18.7	17.2	16.2	15.1	20.9
21	14.2	13.8	13.4	13.3	13	12.8	14.1	17.5	21	24	26.8	28.7	29.2	29.4	30.6	31.9	31.6	29.7	26.8	24.2	22.3	21.1	20.3	20.1	22.1
22	20.1	20	19.7	19.5	19.3	19.4	20.1	21.3	23.3	26.2	29	31.3	32.6	33.4	33.5	33.4	33.1	32	29.9	27.5	25.2	23.8	22.9	22.2	25.8
23	21.5	20.8	19.9	19.4	19.1	18.9	19.9	22.4	24.6	26.4	28.1	29.5	29.8	30.1	30.6	30.9	30.6	29.6	27.6	24.4	21.7	20.4	19.8	19.4	24.4
24	19.3	19.1	19	18.8	18.6	18.6	19.4	21.2	24.4	27.4	29.4	31	31.5	31.4	31.4	32.2	32.8	31.9	30	27.3	24.8	23.4	22.4	21.9	25.3
25	21.4	21.2	20.9	20.8	20.6	20.7	21.6	23.3	26	28.5	30.2	31.1	31.3	31.5	30.6	29.3	28.3	28.1	27.6	26.3	25	24.1	23.4	23	25.6
26	22.8	22.8	22.9	23	23.3	23.6	23.9	24.2	24.1	23.8	23.8	23.9	23.7	23.8	24.3	24	23.7	23.5	23.2	22.9	23	23.3	23.5	23.5	23.5
27	23.1	22.6	22.1	21.8	21.5	21.5	22.8	24.3	26	27.9	31	33.6	34.6	34.8	35.4	34.3	32.2	31.6	30.1	28.6	27.7	27.1	26.5	25.9	27.8
28	25.7	25.4	25.1	24.8	24.4	24.2	24.9	26.4	27.9	29.3	31	33.2	33.7	33.8	33.1	31.2	28.6	26.9	26.3	26	25.7	25.3	24.8	24.5	27.6
29	24.3	24.3	24.1	24	23.8	23.3	23	23.1	22.9	22.6	22.3	22.3	22.9	23	23.6	24.6	24.4	24.1	23.3	22.5	22.3	22.5	22.6	22.6	23.3
30	22.5	22.3	22.1	22	21.7	21.5	22	22.9	24.5	27.2	30.4	32.6	33.4	34.1	34.9	33.2	31.5	31.9	30.4	28	26.3	25.3	24.9	24.2	27.1
Avg	21.5	21.2	20.9	20.6	20.5	20.4	21.1	22.8	24.8	26.7	28.5	29.8	30.4	30.5	30.6	30.4	30	29.2	27.9	26.1	24.4	23.3	22.7	22.2	25.3
S D	3	2.9	2.9	2.9	2.9	2.9	2.8	2.8	3.1	3.5	4	4.4	4.4	4.5	4.6	4.7	4.6	4.3	3.8	3.4	3.1	3	2.9	3.2	
S/A	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.12	0.12	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.15	0.15	0.14	0.13	0.13	0.13	0.13
Min	14.2	13.8	13.4	13.3	13	12.8	14.1	16.4	16.3	16.4	16.8	17	17.1	17.3	17.4	17.3	17.2	17.2	17.1	17	16.4	15.9	15.8	15.1	16.9
Max	26.5	26	25.5	25.3	25.1	24.9	25.3	27.4	29.8	32.2	34.6	36	36.5	36.5	36.4	36.6	36.7	36.5	35.2	32.9	30.3	28.6	27.7	27.1	30.6
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

June 2005

Wind Speed
Hourly and Daily Averages
Instrument: NRG MAX-40
Meters per Second

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0.9	1.1	1.3	2	1.8	1.7	2.2	2.8	3.7	3.4	3.4	3.4	3.5	3.7	3.7	3.1	3.3	3.2	3.6	3.3	3.4	2.8	2.5	2.6	2.8
2	2.9	3.5	2.4	3.2	4.3	4.7	5.3	6.4	6.8	6.2	5.7	6.2	5.7	4.4	5.5	5.2	5.3	4.4	4.3	4.8	4.4	3.9	3.6	3	4.7
3	3.3	2.7	2	1.1	0.7	0.4	0.3	0.3	0.4	0.3	1	2.1	2.7	3.2	1.5	1.6	2.3	1.7	1.5	1	0.8	0.2	0.1	0	1.3
4	0.1	0.3	1.1	0.5	0.1	0	0.2	0.2	0.3	0.3	0.7	1	1.7	2	2.7	2.1	1.6	2.1	2	1.6	1.4	0.7	1.4	1.9	1.1
5	1.2	0.9	0.3	0.4	0.1	0	0	0.2	1.6	0.9	1.4	1.9	2.4	2.3	2.5	3.6	4	3.5	2.3	1.2	1.9	1.6	1.5	0.7	1.5
6	0.4	0.5	0.5	0.4	0.4	0.3	0.6	1	1.7	2	2.7	2.9	3.4	2.4	3	4.1	3.3	3.2	2.2	1.1	1.1	1.3	1.8	1.3	1.7
7	1.7	1.6	1.4	0.8	1	1	0.9	1.4	1.9	2.4	2	2.9	2.6	3.1	2.5	1.3	0.5	1.1	1.6	0.6	0.8	0.6	0.6	0.6	1.5
8	0.9	0.4	0.8	0.5	0.2	0.5	0.8	0.2	0.4	1.6	1.9	2.8	2.6	2.3	4.1	3.6	3.1	3	1.8	1.9	1.8	1.7	1.3	1.3	1.6
9	0.4	0.7	0.9	0.9	0.9	0.8	1.2	1.8	2	2	3.8	4.8	5	4.6	3.7	3.5	3.9	3.8	2.2	1.6	1.6	1.9	1.6	1.7	2.3
10	1.6	1.3	1.1	1.7	2	1.4	2.2	2.6	2.7	3.1	2.6	3.2	3.7	3.5	4.8	4.2	4.1	3.9	3.5	2.8	2.9	2.4	1.6	0.7	2.7
11	0	0.4	0.2	0.4	0.4	0	0.6	2.5	3.2	2.8	2.4	2.6	2.7	2.8	4.3	4.3	3.9	3.7	3	2.2	2.1	1.9	1.9	2	2.1
12	1.5	1.4	0.9	1	0.8	0.5	1.9	2.9	2.9	2.8	2.6	3	2.9	3	3.3	3.5	4.1	4	3.5	2.9	2.4	2.2	2.4	2.3	2.4
13	2.3	1.5	1.3	1.5	1.1	1.3	2.5	3.6	4	4	3.5	3.9	3.8	3.7	3.8	3.7	3.7	2.2	1.9	1.9	2.1	2.5	2.7	2.9	2.7
14	3.2	3.1	2.9	3	3.2	3.2	3.4	3.3	3.2	2.7	1.9	2.3	2.7	1.7	2	2.5	3.1	3	2.4	1.2	1.3	1.6	2.1	2	2.5
15	2.2	2.1	2.1	2.3	2.2	1.9	2.8	3.4	3.7	3.1	3.3	3.2	3.5	3.3	3.2	3.9	3.5	2.8	1.9	1.4	1.1	0.9	0.9	0.6	2.5
16	0.3	0.3	0.4	0.7	1.5	1.7	1.6	1.8	2	1.8	2	2.8	3.5	3.8	4.6	5.2	4.6	4	2.9	1.9	1.5	1.7	0.9	2	2.2
17	1.6	1	0.2	0.6	0.7	0.6	0.4	1.7	2	1.6	1.4	1.7	1.6	2	2.6	2.6	2.1	2.5	1.8	1.6	1.5	1.1	0.5	0.7	1.4
18	1.1	1.1	1	0.5	1.1	1	0.9	1.7	2.5	2.5	2.4	2.8	2.7	2.7	2.7	3.5	3	2.4	2.5	2.8	2.7	1.7	1	2	2
19	0.6	0.4	0.9	0.8	1	1.3	1.6	2.3	2.7	3.3	3.5	4.1	4.5	4.7	4.8	4.9	5.1	4.5	4.4	4.4	3.8	3.4	3.7	3.7	3.1
20	3.8	3.7	3.3	3.2	3.6	3.8	3.4	4	4.3	4.2	4.7	4.6	4.4	4.6	5	4.5	4.1	4.2	3.1	2.6	1.7	1.4	0.5	0.3	3.5
21	0.6	0.6	1	0.7	0.5	0.1	0.7	1.4	2	1.4	1.3	1.9	2.1	1.8	1.9	1.9	2	3.8	3.4	2.2	0.9	0.3	0.9	1.4	1.5
22	1.6	1.3	1.9	1.5	2	2.6	2.5	2.3	3.1	2.7	2.7	3.1	3.5	3.5	3.9	3	3	2.2	1.9	1.3	1.9	0.9	1.2	1.1	2.3
23	0.8	0.3	0.3	0.7	0.1	0.2	1.5	3.1	3.8	4	3.5	3.6	3.1	3.3	3.6	3.4	3.7	3.5	3.7	2.5	2.5	2.5	2.3	2.1	2.4
24	1.7	1.2	1	0.4	0.3	0.2	0.9	2.3	2.4	2.7	2.6	2.9	2.7	3.5	2.9	2.3	2.4	2.9	2.6	2.2	2.6	1.9	2	1.6	2
25	1.3	0.5	0.5	0.1	0.1	0.3	1	1.8	2.8	3.3	3.7	4.2	3.8	3.3	3.4	3.3	3.1	3.2	2.8	2.4	1.8	1.4	1.6	1.3	2.1
26	1.3	1.7	1.3	1.4	2.5	3	3.8	3.7	3.5	3.8	3.3	4.1	3.3	4.1	3.9	4.3	4.4	3.7	3	2.4	2.4	2.5	2.9	1.9	3
27	2.3	2	1.2	1.1	0.6	0.8	1.1	1.6	1.8	2.1	2.1	1.8	2.1	1.4	2.7	3.7	2.9	2.9	2.3	2.4	1.9	1.8	1.7	2.1	1.9
28	1.4	1.4	1.4	1.4	0.7	1	1.3	1.6	2.2	2.2	1.8	2.3	2.9	4.2	4.6	3.4	2.2	1.9	1.9	1.3	1.2	0.3	0	0.1	1.8
29	0.1	0.4	0.3	1.9	2.5	1.8	0.1	1.1	1.6	2.5	3.2	2	2.4	1.9	1.2	1.7	1.1	1	2.5	2.2	1.6	0.2	0.8	2	1.5
30	1.8	1.2	0.7	0.2	0	0	0.5	0.9	0.6	0.7	0.7	1	1.7	1.3	3.2	3.5	2.8	2.3	2.3	1.3	0.1	1	0.5	0.2	1.2
Avg	1.4	1.3	1.2	1.2	1.2	1.2	1.5	2.1	2.5	2.5	2.6	3	3.1	3.1	3.4	3.3	3.2	3	2.6	2.1	1.9	1.6	1.6	1.5	2.2
S D	1	0.9	0.8	0.9	1.1	1.2	1.3	1.3	1.3	1.3	1.1	1.1	0.9	1	1.1	1	1.1	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8
S/A	0.69	0.74	0.67	0.75	0.93	1.01	0.81	0.63	0.53	0.49	0.44	0.39	0.3	0.32	0.31	0.31	0.34	0.3	0.3	0.45	0.49	0.58	0.6	0.61	0.35
Min	0	0.3	0.2	0.1	0	0	0	0.2	0.3	0.3	0.7	1	1.6	1.3	1.2	1.3	0.5	1	1.5	0.6	0.1	0.2	0	0	1.1
Max	3.8	3.7	3.3	3.2	4.3	4.7	5.3	6.4	6.8	6.2	5.7	6.2	5.7	4.7	5.5	5.2	5.3	4.5	4.4	4.8	4.4	3.9	3.7	3.7	4.7
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

June 2005

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	66	63	58	53	62	74	73	66	72	81	76	73	69	69	70	69	65	65	73	79	80	79	67	51	70
2	63	73	68	90	86	76	74	72	73	72	71	72	71	67	68	66	64	65	69	72	75	76	85	91	73
3	106	107	112	113	101	98	88	93	157	188	150	136	151	218	286	267	285	283	293	279	275	286	280	221	171
4	283	261	297	307	298	125	61	17	90	110	63	242	156	67	91	107	102	86	113	109	107	125	125	133	106
5	157	187	189	172	148	12	70	188	219	204	79	80	102	113	112	118	118	124	117	118	147	160	149	133	127
6	167	165	151	154	153	138	157	159	162	157	146	160	135	39	149	156	162	157	168	165	155	164	168	169	153
7	172	190	193	192	199	203	339	72	122	137	174	202	199	229	228	178	199	262	265	292	300	353	260	262	201
8	249	267	261	262	241	221	230	259	37	95	118	104	126	139	106	104	110	151	180	169	158	163	174	191	138
9	186	161	138	159	140	148	202	214	217	195	122	130	128	146	156	171	153	154	180	167	159	143	153	145	155
10	155	147	146	148	154	150	158	157	152	151	157	140	133	126	113	118	136	135	147	140	151	152	154	146	141
11	163	163	157	153	153	178	149	156	156	164	187	172	160	120	116	97	121	138	154	162	154	151	153	154	144
12	162	165	139	142	138	145	151	164	180	177	175	157	132	186	157	158	155	156	160	166	164	179	186	192	164
13	199	193	190	204	202	202	211	218	227	227	215	213	219	229	226	227	222	193	188	181	184	190	197	206	211
14	212	220	220	225	226	232	242	250	254	244	261	239	222	223	262	249	245	238	230	219	212	210	210	205	232
15	214	210	216	214	221	214	221	233	251	258	276	260	242	239	250	233	251	248	259	290	281	265	267	278	243
16	236	214	236	254	256	260	256	271	289	308	289	251	245	233	234	242	251	255	257	253	257	280	291	344	257
17	351	344	305	305	310	314	322	360	13	29	26	76	100	107	166	207	214	168	146	115	130	127	352	35	103
18	48	76	59	64	57	54	55	68	84	87	85	88	85	89	92	84	99	82	79	78	88	90	89	69	82
19	64	51	1	26	14	347	359	3	22	44	50	44	45	43	51	56	60	56	52	49	55	48	49	45	
20	47	46	45	38	38	40	44	34	36	38	35	36	33	39	45	38	40	35	34	17	4	350	330	308	36
21	317	305	309	307	285	286	305	325	321	345	357	306	240	288	281	300	18	92	112	125	134	162	165	191	322
22	202	207	214	209	225	228	227	244	247	243	249	260	260	253	263	275	291	50	66	71	72	66	38	7	250
23	29	236	287	309	333	348	13	35	35	56	57	56	60	61	67	47	60	71	76	74	77	74	71	76	58
24	81	73	69	95	66	60	59	58	71	81	64	60	71	94	99	97	96	113	107	98	93	89	96	105	86
25	105	112	129	115	110	72	81	75	85	83	84	97	89	96	101	91	92	85	90	82	72	61	58	59	87
26	44	53	40	51	54	63	74	77	69	65	64	69	50	43	22	358	342	333	322	284	267	249	234	230	31
27	226	241	236	237	217	220	209	227	218	247	241	228	231	179	78	104	124	142	138	164	166	177	197	189	186
28	185	190	208	201	205	189	199	185	191	222	224	175	149	142	155	170	198	192	193	206	222	225	170	226	183
29	219	237	169	150	133	134	190	179	172	165	155	163	197	210	187	161	152	175	120	116	116	250	257	246	163
30	262	261	260	219	66	166	246	267	243	255	102	79	131	226	73	68	97	103	114	124	105	138	127	179	114
Avg	145	150	163	158	133	131	133	107	116	115	105	115	126	122	112	114	115	117	119	114	119	126	136	140	124
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: NRG Vane Serial Number: 0 Calibration Factor: 0.1408 deg/mV Calibration Date: 06/1995

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

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

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

June 2005

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	1.6	1.9	2.2	3.1	3	2.8	3.6	4.7	5.9	5.7	5.5	5.5	5.9	6.2	6	5.7	5.4	5.3	6.2	5.6	5.8	5.1	4.7	4.7	4.7
2	5.8	5.9	4.2	5.7	7.4	7.7	8.6	10.9	11.5	10.3	10.2	10.4	9.6	7.2	9.2	9.5	9.3	7.5	7.4	8.5	7.9	6.4	6.3	5.4	8
3	6.2	4.8	3.9	2.5	2	1.5	1.2	1.3	1.4	1.3	2.5	3.8	4.7	6.3	3.8	3.5	4.8	3.8	3.6	2.7	2.3	1.4	0.5	0.1	2.9
4	0.6	1	3	1.8	0.3	0	0.7	0.9	1	1.1	1.8	2.2	3	3.1	4.2	3.4	3	3.4	3.3	2.6	2.5	1.3	2.3	2.9	2.1
5	2.1	1.9	1.1	1.3	0.4	0	0.1	0.8	2.9	2	2.7	3.2	4.2	3.9	4.2	5.5	6.2	5.3	3.5	2.1	3.2	3.1	2.5	1.4	2.6
6	1.2	1.5	1.3	1.3	1.3	1.1	1.7	2.2	3	3.5	4.6	4.8	5.4	4.5	5	7	5.8	5.3	4	2.2	2.3	2.3	3.1	2.6	3.2
7	3.2	3.1	2.5	1.7	2	2.1	2	2.6	3.1	3.9	3.5	4.5	4.6	5.1	4.2	2.4	1.4	2	3.1	1.7	1.7	1.4	1.3	1.3	2.7
8	1.6	1	1.7	1.3	0.6	1	1.5	0.8	1.4	2.7	3.6	4.5	4.7	4	6.4	5.6	4.7	5	3.5	3.7	3.4	2.8	2.5	2.5	2.9
9	1.4	1.5	1.5	1.8	1.7	1.6	2.4	3.5	3.7	3.2	6.6	7.6	7.7	7.4	6.3	5.9	6.4	6.1	3.8	3.2	2.9	3.1	2.8	2.9	4
10	2.8	2.2	2.1	3.1	3.8	2.6	3.9	4.6	4.6	5.3	4.8	5.5	5.9	6	7.2	6.9	6.7	6	5.6	4.6	4.6	4.3	2.9	1.4	4.5
11	0.2	0.7	0.5	0.7	0.8	0.2	1.3	4.1	5.5	4.7	4.3	4.8	5.2	5.2	6.8	6.9	6.1	5.8	5.3	4.1	3.8	3.5	3.4	3.5	3.6
12	3.1	2.9	1.8	1.9	1.5	1.3	3.2	5	5	4.9	4.4	5.3	4.8	5.2	5.9	6.1	6.9	7	6	5	4.3	4.5	4.5	4.2	4.4
13	4	3	2.3	2.6	2.1	2.6	4.5	6.1	6.3	6.6	6.1	6.4	6.4	6.4	6.6	5.8	6.3	4	3.7	3.7	3.8	4.6	4.9	5.3	4.8
14	5.7	5.3	4.7	5.1	5.3	5.2	5.9	5.6	5.4	4.7	4	4.2	4.5	3.5	4	4.7	5.3	4.9	3.7	2	2.1	2.9	3.4	3.4	4.4
15	3.7	3.5	3.6	3.7	3.7	3.4	4.8	5.3	6.1	5.4	6	6	5.9	5.3	5.7	6.3	6.3	5	3.4	3	2.1	1.5	1.4	1.4	4.3
16	0.8	0.8	0.9	1.3	2.2	2.6	2.5	3.2	4	3.7	4.1	5.1	6.3	6.7	7.9	8.8	8	6.8	5.7	3.2	2.6	3.3	2.4	3.8	4
17	2.8	2	0.9	1.3	1.8	1.3	1.3	3.4	3.7	2.9	2.7	3.1	3.1	3.5	4.5	4.6	3.8	4.1	3	2.6	2.4	1.8	1	1.4	2.6
18	2.1	1.8	1.9	1	1.6	1.8	1.8	3.1	4.1	3.9	3.9	4.5	4.5	5.1	4.8	4.5	6.1	5.1	4.3	4.5	5	4.6	3	1.7	3.5
19	1.1	0.9	1.4	1.4	1.7	2.2	2.8	3.8	4.7	5.7	6.3	6.9	7.8	8.4	8.7	8.3	8.9	7.9	7.7	8	6.8	6.1	6.6	6.8	5.5
20	6.9	6.6	6.1	6	6.8	6.5	6.1	7	7.6	8.2	8.2	8	8.1	8.3	8.8	7.8	7.2	7.3	5.7	4.6	3.2	2.7	1.5	1	6.3
21	1.6	1.7	2.2	1.7	1.3	0.5	2	3.2	4.2	3.3	2.8	4	4.2	4.1	4.1	4.2	4.3	5.9	5.4	3.5	1.8	1	2.1	2.7	3
22	2.9	2.4	3.2	2.7	3.5	4	4	4	5.3	4.7	4.9	5.6	6.4	6.4	6.7	6.1	5.9	4.1	3.2	2.2	3	1.7	2	2.3	4
23	1.5	0.8	0.9	1.4	0.4	0.9	3	5.7	6.4	6.7	5.8	5.9	5.5	5.6	5.9	5.8	6.2	5.8	5.9	4.3	4.2	4.2	3.7	3.6	4.2
24	3	2.5	2	1.2	1	0.9	2.1	3.8	4.1	4.3	4.6	4.8	4.9	5.6	5.3	4.1	4.2	4.7	4.2	3.5	4.4	3.6	3.3	2.7	3.5
25	2.1	1.4	1.3	0.5	0.6	0.7	2.2	3.3	4.6	5.4	5.9	7	6.2	5.5	5.5	5.6	5.1	5.2	4.6	3.9	3.3	2.7	2.6	2.5	3.6
26	2.4	3.2	2.6	3	4.2	5	6.3	6.2	6	6.7	6.1	7	6.6	7.3	7.3	7.8	7.8	6.6	6.4	5.4	4.6	4.1	4.6	3.5	5.4
27	3.9	3.5	2.2	2.1	1.3	1.7	2.1	2.9	3.1	3.7	4.3	3.4	3.9	2.9	4.8	6	5.1	4.9	4	4.5	3.6	3.7	3.4	4	3.5
28	3	2.9	2.7	2.7	1.8	2	2.8	3.2	3.8	3.6	3.1	4.1	5.1	6.9	7.6	6	3.9	3.2	3.8	2.6	2.5	0.7	0	0.5	3.3
29	0.7	1.3	1	3.3	4.7	3.3	0.3	2.8	3	4.5	6	3.8	4.7	3.4	2.9	3.1	2.1	2.4	4.2	4.1	3.2	0.7	1.8	3.5	3
30	3.4	2.6	1.7	0.7	0.2	0.1	1.4	2.2	1.6	2.1	1.7	2	3.1	2.8	5.4	5.6	4.3	3.9	3.8	2.3	0.5	1.9	1.1	0.6	2.3
Avg	2.7	2.5	2.2	2.3	2.3	2.2	2.9	3.9	4.4	4.5	4.7	5.1	5.4	5.4	5.9	5.8	5.6	5.1	4.6	3.8	3.4	3	2.9	2.8	3.9
SD	1.7	1.5	1.3	1.4	1.9	1.9	1.9	2.1	2.1	2	1.9	1.8	1.5	1.6	1.6	1.7	1.8	1.5	1.3	1.6	1.5	1.5	1.6	1.6	1.3
S/A	0.63	0.62	0.56	0.62	0.82	0.86	0.68	0.54	0.47	0.44	0.39	0.35	0.28	0.29	0.27	0.29	0.32	0.28	0.29	0.42	0.45	0.51	0.54	0.57	0.32
Min	0.2	0.7	0.5	0.5	0.2	0	0.1	0.8	1	1.1	1.7	2	3	2.8	2.9	2.4	1.4	2	3	1.7	0.5	0.7	0	0.1	2.1
Max	6.9	6.6	6.1	6	7.4	7.7	8.6	10.9	11.5	10.3	10.2	10.4	9.6	8.4	9.2	9.5	9.3	7.9	7.7	8.5	7.9	6.4	6.6	6.8	8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

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

June 2005

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	1017	1017	1016	1016	1017	1018	1018	1019	1019	1019	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	
2	1017	1017	1017	1016	1016	1017	1017	1017	1017	1016	1016	1016	1016	1016	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1015
3	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1012	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1013	1012	1012
4	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1014	1013	1013	1012	1012	1012	1012	1012	1013	1013	1013	1014	1014	1014	1013	1013
5	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014
6	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1014
7	1012	1012	1012	1011	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1011	1012	1012	1012	1013	1013	1013	1013	1012
8	1013	1012	1012	1012	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1014	1013	1014	1014	1014	1015	1015	1014
9	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1018	1017	1017	1017	1017	1018	1018	1019	1019	1019	1017
10	1018	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1019	1019	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1019
11	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1016	1017	1017	1017	1018	1018	1018	1017	1018
12	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1016	1015	1015	1015	1014	1015	1015	1015	1015	1015	1015	1016
13	1015	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1011	1011	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1008	1012
14	1008	1008	1008	1008	1008	1008	1008	1009	1008	1008	1008	1008	1007	1007	1006	1006	1006	1005	1005	1006	1006	1006	1006	1006	1006	1007
15	1006	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1004	1004	1003	1003	1002	1002	1003	1003	1004	1004	1004	1004	1004	1004
16	1004	1003	1003	1003	1003	1004	1004	1004	1004	1004	1004	1003	1003	1002	1001	1001	1001	1001	1001	1002	1003	1003	1004	1004	1003	1003
17	1004	1004	1005	1005	1005	1005	1006	1006	1007	1007	1007	1007	1006	1006	1006	1005	1005	1006	1006	1006	1006	1007	1007	1007	1008	1006
18	1008	1008	1008	1008	1008	1009	1010	1010	1011	1011	1011	1011	1011	1011	1011	1010	1011	1011	1011	1012	1012	1012	1012	1012	1012	1010
19	1012	1012	1012	1012	1013	1013	1014	1015	1015	1016	1016	1016	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1015
20	1018	1017	1017	1017	1017	1018	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
21	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1017	1016	1015	1015	1015	1014	1014	1015	1015	1015	1014	1017	1017
22	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1011	1011	1011	1012	1012	1012	1013	1014	1014	1013	1013
23	1014	1014	1014	1014	1015	1015	1016	1017	1018	1018	1019	1019	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1017
24	1019	1019	1019	1019	1019	1019	1020	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1019	1020	1019	1019	1020	1020
25	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1017	1018	1017	1017	1018	1017	1017	1018	1018
26	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1016	1017	1017	1016
27	1017	1017	1018	1018	1018	1019	1019	1020	1020	1020	1020	1020	1019	1019	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019
28	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018
29	1017	1017	1016	1016	1016	1016	1017	1017	1017	1017	1017	1016	1016	1015	1015	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1015
30	1013	1012	1012	1011	1011	1012	1012	1012	1012	1012	1012	1011	1011	1010	1009	1009	1009	1009	1009	1009	1010	1010	1009	1009	1011	1011
Avg	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	
SD	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Min	1004	1003	1003	1003	1003	1004	1004	1004	1004	1004	1004	1003	1003	1002	1001	1001	1001	1001	1001	1002	1003	1003	1004	1004	1003	
Max	1019	1019	1019	1019	1019	1019	1020	1021	1021	1021	1021	1021	1021	1020	1020	1020	1019	1019	1019	1019	1019	1020	1019	1019	1020	
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640	

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

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

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

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

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

June 2005

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	12.7	12.7	12.7	12.6	12.6	12.7	13.1	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13.5	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13.1
2	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.7	13	13.2	13.2	13.1	13.1	13.1	13.2	13.1	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.8
3	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.8	12.8	13	13.3	13.3	13.2	13.1	13.1	13.4	13.3	13.1	13	12.8	12.8	12.8	12.8	12.8	12.9
4	12.8	12.8	12.7	12.7	12.7	12.7	13	13.3	13.1	13.3	13.2	13.2	13.2	13.2	13.2	13.3	13	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13
5	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.3	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.2	13	12.9	12.8	12.8	12.8	12.8	12.8	13
6	12.8	12.7	12.7	12.7	12.7	12.7	13.1	13.3	13.2	13.2	13.1	13.1	13.1	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13
7	12.8	12.7	12.7	12.7	12.7	12.7	12.8	12.9	13.2	13.3	13.3	13.2	13.2	13.2	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.9
8	12.7	12.7	12.7	12.7	12.7	12.7	12.8	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.9
9	12.7	12.7	12.7	12.7	12.7	12.7	13	13.2	13.2	13.2	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13	12.8	12.8	12.8	12.8	12.8	12.8	13
10	12.7	12.7	12.7	12.7	12.7	12.7	13	13.2	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	12.8	12.8	13
11	12.7	12.7	12.7	12.7	12.6	12.7	13	13.3	13.2	13.2	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	12.8	13
12	12.8	12.7	12.7	12.7	12.7	12.7	13	13.3	13.2	13.2	13.1	13.1	13.2	13.2	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.8	12.9
13	12.8	12.7	12.7	12.7	12.7	12.7	13	13.3	13.2	13.2	13.2	13.1	13.1	13.2	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.8	12.9
14	12.8	12.7	12.7	12.7	12.7	12.7	13	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.8	12.9
15	12.7	12.7	12.7	12.7	12.7	12.7	13	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.8	12.8	12.8	12.9
16	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.8	12.8	12.8	12.7	12.9
17	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	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	12.8	13
18	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	13
19	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.3	13.3	13.3	12.9	12.8	12.8	12.8	12.8	12.8	13
20	12.7	12.7	12.7	12.7	12.7	12.6	13	13.2	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.7	13
21	12.7	12.7	12.7	12.7	12.6	12.6	13	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.3	12.9	12.8	12.8	12.8	12.8	12.8	13
22	12.7	12.7	12.7	12.7	12.7	12.7	13	13.3	13.3	13.3	13.2	13.2	13.1	13.1	13.2	13.2	13.2	13.1	12.9	12.8	12.8	12.8	12.8	12.8	13
23	12.8	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	12.9	12.8	12.8	12.8	12.8	12.7	13
24	12.7	12.7	12.7	12.7	12.6	12.7	13	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
25	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.3	13.3	13.3	12.9	12.8	12.8	12.8	12.8	12.8	13
26	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.1	13.3	13.3	13.2	13.3	13.4	13.3	13	12.8	12.8	12.8	12.8	12.8	12.9
27	12.8	12.8	12.7	12.7	12.7	12.7	12.9	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13	12.8	12.8	12.8	12.8	12.8	12.8	12.9
28	12.8	12.7	12.7	12.7	12.7	12.7	13	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.2	13	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.9
29	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.7	12.7	12.9	13.3	13.3	13.4	13.4	13.3	13.2	13	12.9	12.8	12.8	12.8	12.8	12.8	12.9
30	12.8	12.8	12.7	12.7	12.7	12.7	12.8	13.2	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.8	13
Avg	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	12.9	12.8	12.8	12.8	12.8	12.8	13
SD	0	0	0	0	0	0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0
StA	0	0	0	0	0	0	0.01	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
Min	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.9	13.1	13.1	13.1	13.1	13	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.8
Max	12.8	12.8	12.7	12.7	12.7	12.7	13.1	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.3	13	12.8	12.8	12.8	12.8	12.8	13.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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