

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

May 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	0	1	22 ?	?	214	263	133	730	576	609	817	594	335	183	33	0	0	0	0	0	4511 ?
2	0	0	0	0	0	37	188	397	590	783	909	890	772	442	257	94 ?	83 ?	22 ?	21	0	0	0	0	0	5484 ?
3	0	0	0	0	0	41	179	218	443	711	899	995	1006	845	781	583	413	205	45	0	0	0	0	0	7362
4	0	0	0	0	0	38	197	411	500	768	930	1007	1005	930	897	595	410	183	26	0	0	0	0	0	7897
5	0	0	0	0	0	26	163	337	619	730	729	843	818	737	312	218	116	51	8	0	0	0	0	0	5707
6	0	0	0	0	0	1	?	?	?	99	89	108	118	103	118	74	?	22 ?	3	0	0	0	0	0	735 ?
7	0	0	0	0	0	23	111	414	637	816	946	1006	998	931	803	614	362	116	32	0	0	0	0	0	7808
8	0	0	0	0	0	41	202	428	648	827	961	1029	1024	951	817	638	426	209	41	0	0	0	0	0	8244
9	0	0	0	0	0	43	213	428	636	806	933	1005	1008	942	817	643	438	221	48	0	0	0	0	0	8182
10	0	0	0	0	0	43	212	423	628	796	926	997	1001	938	815	641	441	224	37	0	0	0	0	0	8123
11	0	0	0	0	0	39	213	405	603	766	892	961	962	896	761	582	374	180	46	0	0	0	0	0	7680
12	0	0	0	0	0	36	131	367	587	744	870	836	914	885	769	595	359	192	39	0	0	0	0	0	7325
13	0	0	0	0	0	9	46	87	246	383	560	773	720	571	594	556	371	151	17	0	0	0	0	0	5085
14	0	0	0	0	0	36	104	372	564	697	626	714	596	702	518	489	353	175	35	0	0	0	0	0	5980
15	0	0	0	0	2	51	174	226	515	647	730	745	700	653	634	504	309	43	0	0	0	0	0	0	5933
16	0	0	0	0	1	30	72	185	225 ?	271	695	749	726	506	595	539	417	232	64	0	0	0	0	0	5308
17	0	0	0	0	0	18	86	229	428	495	814	771	1005	941	813	636	428	219	52	0	0	0	0	0	6935
18	0	0	0	0	3	35	204	404	595	653	871	959	977	916	790	613	406	168	13	1	0	0	0	0	7608
19	0	0	0	0	0	3	27 ?	35 ?	?	71 ?	206	174	209	231	298	257	142	72	34	2	0	0	0	0	1762 ?
20	0	0	0	0	2	14	127	292	427	760	461	274	226	195	225	427	354	76 ?	8	0	0	0	0	0	3868
21	0	0	0	0	0	3	39 ?	256	561	835	971	989	1018	977	788	438	451	243	59	3	0	0	0	0	7630
22	0	0	0	0	3	56	229	414	634	809	937	679	593	598	710	564	344	126	46	0	0	0	0	0	6743
23	0	0	0	0	0	16	25	227	483	505	723	853	748	680	687	542	290	62	26	3	0	0	0	0	5870
24	0	0	0	0	2	18	68	209	381	542	286	450	302	794	324	74 ?	63	?	8 ?	3	0	0	0	0	3523 ?
25	0	0	0	0	0	22	46	50	283	353	194	232	201	331	174	91	87	41	13	0	0	0	0	0	2119
26	0	0	0	0	3	60	216	448	648	698	901	1004	941	699	736	658	359	87	33	5	0	0	0	0	7494
27	0	0	0	0	5	67	208	428	648	809	940	996	979	938	821	618	418	234	60	3	0	0	0	0	8171
28	0	0	0	0	2	27	181	389	595	779	856	886	923	540	128	351	265	46	18	3	0	0	0	0	5990
29	0	0	0	0	4	69	188	385	547	690	782	859	904	858	604	559	274	107	30	5	0	0	0	0	6864
30	0	0	0	0	3	25	137	310	367	452	519	624	403	550	292	303	477	223	88	5	0	0	0	0	4777
31	0	0	0	0	6	57	209	407	514	784	858	922	961	854	819	638	465	250	72	5	0	0	0	0	7821
Avg	0	0	0	0	1	32	141	317	509	624	714	776	753	701	597	475	334	146	34	1	0	0	0	0	6082
S D	0	0	0	0	2	19	70	121	136	222	273	265	290	247	252	192	120	76	21	2	0	0	0	0	2016
S/A	0	0	0	0	1.45	0.6	0.5	0.38	0.27	0.36	0.38	0.34	0.39	0.35	0.42	0.4	0.36	0.52	0.62	1.52	0	0	0	0	0.33
Min	0	0	0	0	0	1	22	35	214	71	89	108	118	103	118	74	63	22	0	0	0	0	0	0	735
Max	0	0	0	0	6	69	229	448	648	835	971	1029	1024	977	897	658	477	250	88	5	0	0	0	0	8244
n	0	0	0	0	27	358	336	338	343	368	371	372	370	371	371	359	355	340	350	22	0	0	0	0	5053

Daylight Data Recovery: 0.0% missing; 3.4% exceed the 15% QC threshold -- 5230 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 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	0	0	0	0	5	12	0	194	66	212	797	608	273	274	82	0	0	0	0	0	2523
2	0	0	0	0	0	183	505	660	707	761	762	536	246	37	6	0	2	0	12	0	0	0	0	0	4417
3	0	0	0	0	0	74	181	36	180	319	674	840	812	584	616	658	651	514	220	0	0	0	0	0	6362
4	0	0	0	0	0	195	535	685	397	608	839	869	857	813	792	520	618	368	17	0	0	0	0	0	8112
5	0	0	0	0	0	1	175	324	641	543	316	445	349	272	1	0	0	0	0	0	0	0	0	0	3066
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	25	630	786	845	868	859	832	811	784	700	459	62	43	0	0	0	0	0	7705
8	0	0	0	0	0	176	506	718	842	883	914	920	908	881	833	780	690	535	196	0	0	0	0	0	9782
9	0	0	0	0	0	241	610	750	835	878	899	917	905	888	873	834	761	609	263	0	0	0	0	0	10262
10	0	0	0	0	0	238	597	737	828	868	888	904	894	873	830	762	618	152	0	0	0	0	0	0	10094
11	0	0	0	0	0	8	409	619	701	740	766	786	778	756	677	589	453	275	101	0	0	0	0	0	7656
12	0	0	0	0	0	55	178	419	606	642	690	506	602	689	659	606	385	264	86	0	0	0	0	0	6389
13	0	0	0	0	0	0	0	0	1	2	43	179	70	28	79	337	274	23	0	0	0	0	0	0	1036
14	0	0	0	0	0	47	1	346	310	274	119	227	99	237	137	211	244	177	19	0	0	0	0	0	2448
15	0	0	0	0	0	22	119	37	211	229	254	223	172	176	244	221	160	0	0	0	0	0	0	0	2069
16	0	0	0	0	0	12	2	25	11	4	242	324	219	53	247	353	488	341	88	0	0	0	0	0	2408
17	0	0	0	0	0	0	0	15	102	92	425	341	793	824	783	725	634	473	174	0	0	0	0	0	5381
18	0	0	0	0	0	49	347	517	521	309	522	614	676	694	655	599	487	175	0	0	0	0	0	0	6164
19	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4	0	0	0	0	0	0	0	0	0	14
20	0	0	0	0	2	1	26	66	125	413	28	6	2	0	5	113	163	11 ?	0	0	0	0	0	0	961
21	0	0	0	0	0	0	0	85	572	861	908	851	874	912	760	418	722	603	241	0	0	0	0	0	7807
22	0	0	0	0	0	217	546	598	687	807	845	466	201	342	509	522	315	65	59	0	0	0	0	0	6177
23	0	0	0	0	0	0	0	186	269	153	177	292	289	386	488	407	185	9	26	0	0	0	0	0	2867
24	0	0	0	0	0	1	2	43	125	237	24	56	16	235	4	0	0	0	0	0	0	0	0	0	742
25	0	0	0	0	0	0	0	0	8	20	1	2	2	4	0	0	0	0	0	0	0	0	0	0	36
26	0	0	0	0	0	202	432	721	806	629	772	837	636	357	539	701	336	0	32	0	0	0	0	0	6999
27	0	0	0	0	8	264	366	605	778	812	849	860	810	827	801	645	500	481	197	0	0	0	0	0	8803
28	0	0	0	0	0	3	184	397	545	646	558	512	474	166	0 ?	66	49	0	0	1	0	0	0	0	3603
29	0	0	0	0	1	224	309	373	370	427	361	404	443	524	256	379	122	1	0	0	0	0	0	0	4195
30	0	0	0	0	10	3	19	205	105	64	81	115	16	75	2	15	544	322	254	0	0	0	0	0	1830
31	0	0	0	0	0	171	384	561	484	556	616	629	646	512	750	737	685	487	205	0	0	0	0	0	7424
Avg	0	0	0	0	1	77	208	334	405	440	466	475	442	426	425	406	354	216	80	0	0	0	0	0	4753
S D	0	0	0	0	2	97	222	286	308	325	350	324	347	335	346	295	263	228	92	0	0	0	0	0	3222
S/A	0	0	0	0	3.18	1.27	1.06	0.86	0.76	0.74	0.75	0.68	0.79	0.79	0.81	0.73	0.74	1.06	1.16	5.57	0	0	0	0	0.68
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	1
Max	0	0	0	0	10	264	610	750	842	883	914	920	908	912	873	834	762	618	263	1	0	0	0	0	10262
n	0	0	0	0	27	361	370	370	372	372	372	372	371	370	368	371	372	369	354	22	0	0	0	0	5213

Daylight Data Recovery: 0.0% missing; 0.3% exceed the 15% QC threshold -- 5230 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 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	0	1	19 ?	31 ?	198	256	126	530	495	406	158	178	203	119	25	0	0	0	0	0	2746
2	0	0	0	0	0	21	62	98	128	159	195	341	508	407	252	72	74 ?	22 ?	21	0	0	0	0	0	2359
3	0	0	0	0	0	34	133	203	311	432	252	160	198	294	267	149	102	68	23	0	0	0	0	0	2625
4	0	0	0	0	0	22	60	94	231	256	142	141	147	159	250	246	115	82	24	0	0	0	0	0	1969
5	0	0	0	0	0	26	108	177	195	283	424	385	457	466	312	218	116	51	8	0	0	0	0	0	3227
6	0	0	0	0	0	1	?	?	?	99	89	108	118	103	118	67	19 ?	19	3	0	0	0	0	0	743 ?
7	0	0	0	0	0	25	101	108	114	119	125	141	161	162	147	140	131	101	27	0	0	0	0	0	1600
8	0	0	0	0	0	24	66	85	85	92	92	94	99	104	108	99	84	57	20	0	0	0	0	0	1108
9	0	0	0	0	0	20	50	67	73	78	82	84	95	97	87	78	67	50	20	0	0	0	0	0	946
10	0	0	0	0	0	21	52	72	74	82	89	88	88	88	83	77	67	49	18	0	0	0	0	0	948
11	0	0	0	0	0	40	85	110	136	160	175	174	180	180	195	183	151	102	35	0	0	0	0	0	1905
12	0	0	0	0	0	30	89	164	182	217	221	316	297	226	214	180	167	115	28	0	0	0	0	0	2446
13	0	0	0	0	0	9	46	87	246	383	520	578	640	540	509	320	215	140	17	0	0	0	0	0	4251
14	0	0	0	0	0	31	102	183	317	416	483	454	475	460	390	339	229	118	32	0	0	0	0	0	4031
15	0	0	0	0	?	48	138	199	343	421	447	487	503	468	413	341	218	40	0	0	0	0	0	0	4065
16	0	0	0	0	?	30	72	174	157	271	448	414	489	455	387	289	175	129	53	0	0	0	0	0	3542
17	0	0	0	0	0	18	86	221	351	406	398	409	209	165	161	144	117	79	30	0	0	0	0	0	2795
18	0	0	0	0	?	30	99	152	248	383	374	349	305	266	249	211	166	111	13	1	0	0	0	0	2958
19	0	0	0	0	0	3	21 ?	29	31 ?	66	206	174	209	231	297	257	142	72	34	2	231	0	0	0	1776
20	0	0	0	0	1	14	118	256	333	394	435	271	196	183	223	351	268	65 ?	8	1	0	0	0	0	3115
21	0	0	0	0	0	5	34	207	152	113	108	126	128	102	138	147	85	60	27	3	0	0	0	0	1433
22	0	0	0	0	3 ?	29	68	127	163	136	139	216	388	265	253	185	170	109	37	0	0	0	0	0	2291
23	0	0	0	0	0	16	25	126	293	375	542	443	296	272	241	194	58	20	2	0	0	0	0	0	3445
24	0	0	0	0	3 ?	18	63	185	291	337	264	389	287	539	323	61	63	24 ?	8	3	0	0	0	0	2858
25	0	0	0	0	0	22	46	48	281	332	194	232	201	330	174	82	87	41	13	0	0	0	0	0	2084
26	0	0	0	0	4 ?	34	83	85	86	160	141	134	266	334	268	156	172	87	29	5	0	0	0	0	2045
27	0	0	0	0	6 ?	35	98	111	105	105	110	103	128	119	118	153	157	79	32	3	0	0	0	0	1462
28	0	0	0	0	1	27	130	191	216	224	309	337	430	366	122	295	238	46	18	3	0	0	0	0	2953
29	0	0	0	0	4	37	99	195	278	309	429	428	425	329	379	296	205	107	30	5	0	0	0	0	3554
30	0	0	0	0	3	25	131	218	317	408	455	515	394	476	292	298	188	113	51	5	0	0	0	0	3888
31	0	0	0	0	7 ?	39	95	147	222	326	263	257	270	350	175	127	100	79	41	5	0	0	0	0	2504
Avg	0	0	0	0	1	24	79	138	205	252	267	290	298	289	237	193	145	77	24	1	0	0	0	0	2505
S D	0	0	0	0	2	12	34	61	94	125	151	157	156	143	106	91	61	34	13	2	0	0	0	0	983
S/A	0	0	0	0	1.68	0.49	0.43	0.44	0.46	0.5	0.57	0.54	0.52	0.49	0.45	0.47	0.42	0.43	0.52	1.5	0.49	0	0	0	0.39
Min	0	0	0	0	0	1	19	29	31	66	82	84	88	88	83	61	19	19	0	0	0	0	0	0	743
Max	0	0	0	0	7	48	138	256	351	432	542	578	640	540	509	351	268	140	53	5	0	0	0	0	4251
n	0	0	0	0	19	356	348	351	354	370	372	372	372	372	372	371	360	351	352	22	0	0	0	0	5114

Daylight Data Recovery: 0.0% missing; 2.2% exceed the 15% QC threshold -- 5230 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 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	20.5	20.3	19.8	19.3	18.9	18.7	17.5	14.1	13.6	14.3	14.7	16.1	17.4	18.2	19.4	20.3	20.1	17.4	15.6	14.5	13.9	13.5	13.6	13.1	16.9
2	12.3	11.9	11.5	11.2	11.2	11	12.3	14.8	16.3	17.7	18.3	19.1	19.9	19.6	19.2	19.1	18.6	16.4	15.6	14.8	14.2	13.1	12.2	11.6	15.1
3	11.1	11	10.6	10.3	9.8	9.4	10.7	11.6	12.7	14.1	14.8	15.3	15.8	16.1	15.9	15.4	15	14.6	13.3	12	11.6	11.6	11.5	11.2	12.7
4	11.1	11.2	11.2	11.2	11.2	11.3	12.7	13.9	15.5	16.7	17.2	17.6	17.8	17.9	18.3	16.8	16	15	13.2	12.2	11.7	11.4	11.3	11.2	13.9
5	11.2	11.1	11.1	11.3	11.6	11.9	12.7	13.8	14.9	15.7	16.2	16.3	16.1	16.3	15.2	14.5	13.9	13.6	13.2	12.8	12.1	11.9	11.2	11.1	13.3
6	10.9	10.5	10.3	10.7	10.8	10.8	10.7	10.8	11.1	11.4	11.6	11.4	11.2	10.8	10.5	10.3	10.2	9.8	9.4	9.4	8.9	9	9.3	9.5	10.4
7	9.8	9.9	10	10	9.8	9.2	8.9	10.3	12	14	15.7	17.3	18.5	19.4	20.4	21.1	21.2	20.3	19.1	17.9	17.7	17.4	16.3	14.8	15
8	14.2	13.9	12.8	12.4	11.8	12	12.6	14.4	16.4	17.8	19.2	20.3	21.2	22.2	23	23.4	23.7	22.5	20.3	17.1	15.7	15	14.7	14.8	17.1
9	15.3	14.6	13.6	12.3	11.7	11.2	13.6	15.1	16.6	17.5	19	19.8	19.9	19	19.4	18.6	18.3	17.6	16.5	14.8	14	13.6	13.1	12.6	15.7
10	12.3	12.1	11.5	11.4	11.2	11.7	13.4	15.2	17.3	18.4	19.3	19.8	19.7	19.4	19.4	19.2	18.3	17.5	15.5	13.4	12	11.5	11.5	11.6	15.1
11	11.3	11.3	11.5	11.4	11.1	11.2	12	14.8	17.6	20.1	21.8	23.3	24.5	25.7	26.6	26.9	26.7	24.5	22.8	21.7	21.4	20.6	19.7	19.5	19.1
12	19.9	19.3	18.6	18.1	18	18	18.9	20.6	22.8	25.2	27.3	28.3	28.3	25.8	24.6	23.7	21.5	19.3	17.4	16	15.6	15.4	15	15.2	20.5
13	15.1	14.8	14.6	14.3	14.2	14.1	14.2	14.2	14.7	15.1	15.7	16.4	16.4	15.8	15.6	15.9	15.9	14.8	13.6	13.4	13.4	13.5	13.9	14.1	14.7
14	14	14	14.2	14.4	14.5	14.4	15.7	17.8	20.1	21.4	22.6	23.7	24.4	25.3	25.8	26	26.2	25.8	24.3	22.7	21.7	20.9	20.4	20.2	20.4
15	20	19.7	19.4	19.3	19.3	19.3	20.1	20.6	21.8	23.4	24.7	25.6	26.6	27.1	27.5	28	27.7	25.6	21.8	18.3	18.2	18	18.1	18.1	22
16	18.2	18.3	18.1	17.6	17.2	17	17.5	18.1	18.8	18.3	19.8	21.3	21.5	21.5	21.9	21.8	21.4	20.6	19.4	18.3	17.5	16.8	16.7	16.3	18.9
17	16.1	15.9	15.9	15.6	15.7	15.8	16.4	17.1	18.1	18.4	19.2	19.9	20.6	21	20.8	20.8	20.6	19.6	18.1	16.5	15.7	15.4	15.3	15.1	17.7
18	15.1	14.3	14.3	14.4	13.9	14	16	17.1	18.8	19.5	20.6	21.1	21.6	21.8	21.6	21.3	20.7	19.6	18.8	18.4	18	17.4	16.8	17.2	18
19	16.8	16.1	15.4	15.7	16.1	15.5	15.1	14.7	15.3	15.5	15.8	16.2	17	17.5	18.2	18.5	18.5	18.2	18.1	17.9	18.2	18.8	19	19.1	17
20	19	18.6	17.9	17.8	18	18.4	19.1	20.2	21.5	22.6	23.3	23.4	23.1	20.6	21.3	23	23.2	20.1	16.6	14.7	13.7	13	13	12.8	19
21	12.9	13.1	13.2	13.2	12.8	12.7	12.8	13.5	14.7	16.1	17.3	18.3	19.3	20.2	20.7	20.1	20.3	19.8	16.3	14.6	13.9	13.3	13.2	12.2	15.6
22	11.7	11.6	11.9	11.7	12.5	12.9	14	16.2	18.2	20.3	21.5	22.6	23.4	23.9	24.7	24.9	24.9	23.9	23.2	21.4	20.5	20.1	19.6	19.4	19
23	18.9	19.1	18.6	18.2	17.8	17.6	17.7	17.6	19.6	20.5	21.6	22.8	24	24.8	25.8	26.6	26.1	22.2	18.5	16	15.5	15.4	14.8	14	19.7
24	14	13.8	13.8	14	14.1	14.6	15	15.4	17	19.1	19	18.5	16.9	17.9	16.5	15.2	13.7	13.2	12.4	11.8	11.9	11.9	11.7	11.7	14.7
25	11.8	11.5	11.4	11.2	11	10.9	11.2	11.6	12.8	14	13.6	13.8	14.1	14.3	14.2	13.9	12.9	12.9	12.7	12.3	11.9	11.5	11.1	11.1	12.4
26	11	11.3	11.8	12.2	12.8	13.3	14.3	16.2	17.7	19.2	20.7	21.9	22.9	23.5	24.4	24.9	23.3	19.5	18.7	17.5	16.6	16.4	16.2	16	17.6
27	16	16.3	17	17.3	17.2	17.1	17.6	18.8	21.1	23.6	25.4	26.3	26.7	27.7	28.3	28.3	28.2	27.9	26.7	25	23.2	22.1	21.2	20.6	22.5
28	19.9	19.5	19	18.6	18.5	18.6	19.3	20.6	21.8	23.4	24.2	25.7	27.4	27.7	22.6	22.2	23.8	23.2	23.2	22.8	21.8	20.6	19.7	18.9	21.8
29	17.9	16.7	15.9	15.2	14.6	14.9	16.9	19.2	20.5	22.4	23.9	24.5	25.2	25.6	25.5	25.7	25.5	24.5	23.5	22.3	21.3	20.4	20.1	19.8	20.9
30	19.6	19.7	19.6	19.6	19.2	18.7	18.9	19.8	21.4	22.1	22.7	23.3	23.5	24	23.6	23.7	24	23.6	22.9	21.2	19.9	19.1	18.3	17.6	21.1
31	16.7	16.4	16.1	15.8	15.7	16.2	17.7	19.2	20.4	21.4	22.2	23.4	24.5	23.5	23	22.7	22.2	21.2	20.1	19.1	18.3	17.3	16.7	16.3	19.4
Avg	15	14.8	14.5	14.4	14.3	14.3	15	16	17.5	18.7	19.7	20.4	21	21.1	21.1	21.1	20.7	19.5	18.1	16.8	16.1	15.7	15.3	15.1	17.3
S D	3.4	3.3	3.2	3.1	3.1	3.1	3	3	3.2	3.5	3.8	4	4.2	4.2	4.2	4.5	4.6	4.4	4.2	3.9	3.7	3.5	3.4	3.3	3.1
S/A	0.23	0.22	0.22	0.21	0.22	0.21	0.2	0.19	0.18	0.19	0.19	0.2	0.2	0.2	0.2	0.21	0.22	0.22	0.23	0.23	0.23	0.22	0.22	0.22	0.18
Min	9.8	9.9	10	10	9.8	9.2	8.9	10.3	11.1	11.4	11.6	11.4	11.2	10.8	10.5	10.3	10.2	9.8	9.4	9.4	8.9	9	9.3	9.5	10.4
Max	20.5	20.3	19.8	19.6	19.3	19.3	20.1	20.6	22.8	25.2	27.3	28.3	28.3	27.7	28.3	28.3	28.2	27.9	26.7	25	23.2	22.1	21.2	20.6	22.5
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% 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 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	98.3	96.1	96.8	99.2	101.4	99.4	104.5 ?	104.2 ?	104.5 ?	102	95.7	84.8	71.7	63.5	57.7	52.3	52.7	68.1	70.7	77.4	82.1	84.9	84.3	88.1	85
2	94.6	97	98	99.8	98.1	99.2	97.6	89.4	81.1	69.2	64.3	59.5	59.1	61.4	66	69.6	77.2	93.2	97.8	101.6	104 ?	?	91.9	90.1	85.2
3	88.7	90.2	93.9	85.4	83.7	83.2	78.3	74	66	57.1	54	53	52.5	53.4	54.1	57.7	59.1	59.4	60.7	68.9	75.1	78	80.2	82.8	70.4
4	81.4	78.6	72.6	79.2	88.7	93.9	85.7	77.1	59.5	49.6	46.9	44.8	50.1	56.3	56.7	63.3	66.8	73.2	84.5	91.1	94.9	97.4	99.6	99.7	74.6
5	97.4	96.3	94.7	91.1	88.7	84	74.1	72.1	63.2	55.5	51	53.6	61.1	61.1	65.3	72.7	77.8	81.7	84.7	89	93	91.6	99.3	103.7	79.3
6	?	?	?	?	?	?	?	?	?	?	?	104.7 ?	104.5	104.7	104.6	104	101.6	102	101.7	101	103.4	104.8	104.8	104.6	103.6 ?
7	103.5	102.1	100.6	100	98.7	96.5	95.6	89.7	82.5	74.2	62.6	57.1	53.6	51.7	48.3	47.4	48.4	56.3	65.8	73.4	70.3	71.8	76.8	84.6	75.5
8	86.3	86.1	90.9	91.6	93	89.5	86.5	78.1	60.8	50.2	40.9	36	35	34.7	35	33.3	32.6	40.8	53.2	72.5	74.3	75.8	79.5	79.3	64
9	65.3	66	74.1	86.1	95.6	98	94.3	89.9	74.9	63.9	56.5	55.2	57.9	64.8	63.6	64.3	64.8	65	69.7	79	85.5	90	94	96.6	75.6
10	96.4	96.3	99.9	100.4	100.7	97.9	91.4	81.4	71.7	72.1	71	70.2	73.1	75.3	74.2	75.2	78.9	82.7	91.9	100.2	104.1 ?	?	?	?	86 ?
11	?	?	?	?	?	?	?	99.1 ?	87.6	79.1	75.3	66.1	66.4	64	62.7	61.9	64.3	70.8	74	82.2	84.5	78	84.7	89.6	75.9 ?
12	82.6	86.8	93.4	97.3	98.9	100.7	99.9	95.4	86.9	76.5	67.2	64	64.9	64	65.3	68.2	75.3	82.1	83	88.6	89	92	93.4	91.7	83.6
13	90.2	90.6	93.2	94.5	93.4	92.6	90.8	89.9	86.1	82.3	74.5	70.5	69.8	72.4	72.3	70.2	71.1	78.6	85.6	88.3	90.4	92.2	93	94	84.4
14	95.2	96.1	96.6	97.9	99.5	101.2	100	94.9	86.4	85.2	84.5	82.1	79.2	75.5	74.2	73.3	73.7	75.8	84.9	91.7	95.1	97	98.9	99.6	89.1
15	101.1	102.9	104	104.9	?	104.8	102.8	100.6	96.4	90.5	84.6	79.6	72.7	70.6	66.8	62.8	65	79.5	86.4	103.7	?	?	104.6	104.6	89.9 ?
16	104.5	104.7	105 ?	?	?	?	?	104.2 ?	101.1	98	88.4	78.9	69.7	68.8	63	63.3	63.5	70.4	79.9	85.9	88.6	90	90.3	93.6	85.6 ?
17	94.2	94.6	95.7	97	98.3	96.1	91.9	84.5	77.4	77.6	71.6	63.5	61.2	58.7	61.4	60.6	60	63	69.1	81.1	88.4	91.4	90.4	88.7	79.9
18	89	94.3	91.7	90.6	95.1	94.4	83.9	74.6	70.5	66.9	63.2	59.5	56.5	56	56.5	60.7	64.3	69.2	70.7	73.4	80.8	82.6	89.1	87	75.9
19	92	98.6	101.6	104.8 ?	?	?	?	?	?	?	?	104.7 ?	103.6	102.7	101	100.6	100.9	100.5	99	100.7	102.7	101.2	100.4	99.1	100.8 ?
20	98.9	100.7	104.7 ?	104.9	103.3	101.2	98.7	96.3	91.7	86	82.6	82	85.3	99.5	98.6	93.2	91.2	97.7	103.8	103.5	103.9	103.7	102.8	99.5	97.2
21	98.1	96.7	98.4	97.7	100.8	100.9	99	92.5	83.5	74.6	67.6	64.8	61.1	54.1	52.9	59.8	61.2	62.4	78.4	78.7	78.2	82.7	85.4	92.9	80.1
22	97.9	98.8	96.8	100	102.6	102.6	98.1	86.1	76.9	66	63.5	54.2	49.4	44.3	38.6	37.8	38.6	45.3	50.1	58	62.8	66.1	70.6	85.2	70.4
23	87.7	87	89.4	91.6	94.6	97	98.9	102.4	95.4	93.1	90.4	85.9	79.2	74.1	66.9	57.7	60.5	87.8	89.5	98.4	102.4	100.8	102.1	104.7 ?	89.1
24	?	?	?	?	?	?	?	104.3 ?	96.5	84.7	83.8	86.2	90.6	87.4	93.1	98	104.5	104.6 ?	105 ?	103.6	101.6	100	100.1	100	96.7 ?
25	100.3	100.3	100.2	100.6	101.4	103	103.5	102.6	98.6	88.5	88	86.8	85.2	85	86	89	99	98.6	98.6	100.8	103.4	104.7 ?	?	?	96.5 ?
26	105 ?	104.6	104.8 ?	104.6 ?	102.9	100.5	97.4	88.1	79	71.9	65.3	62.2	60.9	59.2	56.1	54.3	62.7	79.1	81.8	88	94.1	95	94.6	97.4	83.7
27	99.8	98.6	95	91.7	90.4	89.5	88.3	84.8	78.9	69.4	60.3	53	51.9	48.1	44.5	44.2	46.1	48.9	54.4	61.4	69.7	78.8	86.4	87.5	71.7
28	90.8	93.4	96	98.7	98.5	98.3	96.5	91	85.4	81.1	78.1	72.3	67	65.1	85.3	98.1	89.8	93.3	82.9	74.6	74.4	79.4	85.1	92.1	86.1
29	97.3	101.6	104.4	?	?	?	103 ?	96.6	88.8	76.5	58.2	50.3	42.8	41.1	42	38.6	39.9	45.5	52.6	60.4	68.2	73.1	73.9	77.1	68.2 ?
30	83.8	85.3	86.5	83.9	83	85.4	87.1	81.4	75.7	76.5	72.7	69.5	68.5	63.4	65.8	67.4	69.4	70.6	71.6	80.7	89.7	94.4	97.8	100.2	79.6
31	102.4	104	104.7 ?	?	?	104.8 ?	101.3	88	78.5	73	67.2	63.8	60.6	67.2	70	72.9	73.6	75.9	79.5	78.2	87.1	97.1	98.8	100.7	84.1 ?
Avg	93.7	94.6	95.8	95.7	96.1	96.6	94.2	90.1	82.3	75.6	70	68.3	66.6	66.1	66.1	66.8	68.9	74.9	79.4	85	88.1	89.1	91.5	93.6	82.8
S D	8.6	8.6	8.1	7	5.9	6.2	7.9	9.7	11.9	13	13.7	16.2	15.9	16.7	17.6	18.5	18.5	17.4	15.5	13.6	12.4	10.9	9.4	7.7	9.7
S/A	0.09	0.09	0.08	0.07	0.06	0.06	0.08	0.11	0.14	0.17	0.2	0.24	0.24	0.25	0.27	0.28	0.27	0.23	0.19	0.16	0.14	0.12	0.1	0.08	0.12
Min	65.3	66	72.6	79.2	83	83.2	74.1	72.1	59.5	49.6	40.9	36	35	34.7	35	33.3	32.6	40.8	50.1	58	62.8	66.1	70.6	77.1	64
Max	105	104.7	105	104.9	103.3	104.8	104.5	104.3	104.5	102	95.7	104.7	104.5	104.7	104.6	104	104.5	104.6	105	103.7	104.1	104.8	104.8	104.7	103.6
n	328	336	309	280	276	288	299	327	344	348	348	361	372	372	372	372	370	368	362	370	350	326	345	338	8162

Data Recovery: 0.0% missing; 8.6% 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 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	20.9	20.7	20.3	19.9	19.4	19.2	18.5	17.2	15.2	14.8	15.5	16.9	19.8	21.2	22.5	24.1	24.5	23.2	20.2	16.8	14.8	13.8	13.3	13	18.6
2	11.7	10.7	10.3	9.6	9.2	9	10.2	13.7	17.4	20.1	21.7	22.7	23.3	23.6	22.7	21.4	20	18.5	16.4	15	13.9	13.1	12	10.7	15.7
3	10.1	9.8	9.9	9.8	9.4	8.5	9.2	11.5	13.1	15.4	18	19.6	20.2	20.1	20.2	20.1	19.5	18.7	17	14.1	11.9	11	10.6	10.3	14.1
4	10	9.8	9.6	9.1	9.1	9.2	10.7	13.4	16	18	19.9	21	21.3	21.1	21.6	22.1	21.1	19.8	17.1	14	12.2	11.2	10.7	10.4	14.9
5	10.4	10.3	10.1	10	10.3	10.7	11.3	13.2	15.4	17.4	18.6	19.2	19.4	19.5	19.2	17.8	16.5	15.4	14.6	13.7	12.4	11.4	10.9	10.8	14.1
6	11	11.1	10.8	10.7	10.9	11	11	11	11.1	11.4	11.8	11.8	11.8	11.5	11.3	11	10.6	10.1	9.7	9.3	9.1	9	9.1	9.3	10.6
7	9.5	9.6	9.6	9.7	9.9	10	9.8	10.4	12.8	15.3	17.5	19.1	20.3	21.1	22.2	23.5	24.2	23.4	21.5	19.2	17.7	17.1	16.5	15.3	16
8	13.7	13	12.5	11.8	11.3	10.8	11.7	13.9	16.8	19.2	21	22.3	23	23.5	24.7	25.9	26.4	26.3	24.5	20.7	17.1	14.8	13.7	13.2	18
9	13.3	13.2	12.3	11.1	10.7	9.9	11.2	14.6	17.7	20.3	22.2	24	24.3	23.6	23.1	23.3	22.9	22.2	20.5	17.6	15	13.5	12.6	11.8	17.1
10	11.1	10.7	10.3	9.9	9.6	9.7	11.4	14.7	18.2	21.3	23.4	24.6	24.4	23.8	23.6	23.8	23.4	22.5	20.4	16.7	13.9	12.8	12.4	12.3	16.9
11	12.3	12.2	12.1	12	11.9	11.6	12.1	14.9	18.5	22.2	25.1	27	27.7	28.4	29.6	30.7	31.1	30	27.1	24.1	22	21	20.2	19.5	21
12	19.4	19.3	18.9	18.4	18	17.8	18.4	20.1	23	26.4	29.9	32.3	33	31.9	30.1	29.1	27.6	25	22	18.9	16.9	16.1	15.7	15.5	22.7
13	15.4	15.3	15.1	14.9	14.8	14.4	14.4	14.7	15.3	16.4	17.6	19	20.2	20.3	20	19.7	20.1	19.4	17.2	15.4	14.5	14.2	14.2	14.3	16.5
14	14.5	14.4	14.5	14.6	14.6	14.2	15	16.8	20.3	23.3	25.4	26.6	27.4	27.9	28.6	28.8	29.1	28.9	27.4	25	23.1	21.9	21	20.4	21.8
15	20.1	19.7	19.4	19.2	19	19	19.5	20.9	22.4	24.8	26.8	28.5	29.5	30.1	30.5	30.9	31.2	29.6	26.7	22.3	19.8	18.8	18.3	18	23.5
16	17.9	17.9	18	17.9	17.6	17.2	17.3	17.9	19.1	19.1	19.7	22.8	24.7	25	25.2	25.8	25.7	25.2	23.3	20.7	18.5	17.2	16.7	16.5	20.3
17	16	15.9	15.6	15.4	15.4	15.6	16	16.7	18.2	19.9	21.1	22.7	23.4	24	24.7	25.1	25.3	24.5	22.4	19.2	16.6	15.2	14.5	14.2	19.1
18	13.9	13.6	13.2	13.1	12.9	12.6	13.7	16.6	19.4	22	23.9	25.4	25.7	25.7	25.7	25.2	24	21.7	20	19	17.9	16.8	16.6	16.6	19.3
19	16.9	16.3	15.6	15.4	15.7	15.9	15.8	15.5	15.4	15.7	16.1	16.6	17.4	18.5	19.4	20.3	20.5	16.1	20	19.4	18.8	18.5	18.6	18.9	17.5
20	19.2	19.1	18.5	18	17.8	17.6	17.9	19.4	21.4	23.5	25.4	25.9	25.1	23.6	21.7	22.9	25	24.8	20.7	17.5	15.5	14.3	13.7	13.4	20.1
21	13.3	13.4	13.4	13.5	13.4	13.1	13.1	13.5	15.1	17.4	19.5	20.8	21.6	22.1	23.1	23.9	23.7	23.8	22	17.8	15	13.4	12.3	11.5	17.1
22	10.6	10	10.2	10.6	10.8	11.5	12.9	15.6	18.4	21.1	23.2	24.6	25.3	25.7	26.5	27.2	27.5	26.6	25.2	23	21	20.3	19.8	19.5	19.5
23	19.1	18.9	18.9	18.4	18.2	17.7	17.8	17.7	19.2	21.8	23.5	25.4	26.7	27.5	28.1	29.3	29.5	27.9	23.9	19.7	17.2	15.9	15.3	14.6	21.3
24	14.2	14	13.8	13.8	14.1	14.3	14.7	15.6	17.4	20.6	23	23.1	21.3	20.8	21.3	19.5	16.6	14.9	13.8	12.8	12	11.6	11.6	11.9	16.1
25	12	12.1	12	11.9	11.7	11.5	11.6	11.9	12.7	14.6	15.6	15.6	15.9	16.1	16.5	16.1	14.9	13.9	13.6	13.1	12.6	12.2	11.7	11.3	13.4
26	11.1	11.1	11.3	11.7	12.1	12.7	13.8	16	18.7	21	22.6	24	25.1	26.1	26.8	27.8	28.5	25.5	21.9	19.5	17.6	16.3	15.7	15.2	18.8
27	15	15.1	15.5	16	16.1	16.3	17.4	19.1	22	25.4	28.3	30.3	30.5	30.4	31.1	31.5	31.5	31.1	29.9	27.3	24.3	22.3	21.3	20.5	23.7
28	19.7	19.2	18.7	18.2	18.1	18.3	18.7	20.6	23	25.5	27.6	28.7	29.8	31	29.2	24.9	24.2	24.9	24.1	23.6	22.7	21.2	19.8	18.8	22.9
29	17.9	16.6	15.5	14.8	14.1	13.9	15.2	17.8	21	24	26.5	28	28.5	29	29.2	29.2	29.1	27.4	25.3	23.5	21.7	20.4	19.7	19.3	22
30	19	18.8	18.9	19	19	18.7	18.7	19.7	22.4	24.1	25.2	26.1	26.4	26.4	26.5	26	26.3	27.1	26.2	23.9	21.2	19.6	18.3	17.1	22.3
31	16	15.4	15.2	15.2	15.2	15.2	16.3	18.4	20.9	23.3	25.3	26.6	27.8	28.3	28	27.8	27.5	26.4	24.3	21.5	19	17.6	16.5	15.8	21
Avg	14.7	14.4	14.2	14	13.9	13.8	14.4	15.9	18	20.2	22	23.3	23.9	24.1	24.3	24.4	24.2	23.3	21.3	18.9	17	15.9	15.3	14.8	18.6
S D	3.5	3.5	3.4	3.4	3.4	3.3	3.1	2.9	3.2	3.8	4.3	4.6	4.6	4.6	4.5	4.7	5	5	4.6	4.2	3.8	3.6	3.5	3.4	3.3
S/A	0.24	0.24	0.24	0.24	0.24	0.24	0.22	0.18	0.18	0.19	0.19	0.2	0.19	0.19	0.19	0.19	0.21	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.18
Min	9.5	9.6	9.6	9.1	9.1	8.5	9.2	10.4	11.1	11.4	11.8	11.8	11.8	11.5	11.3	11	10.6	10.1	9.7	9.3	9.1	9	9.1	9.3	10.6
Max	20.9	20.7	20.3	19.9	19.4	19.2	19.5	20.9	23	26.4	29.9	32.3	33	31.9	31.1	31.5	31.5	31.1	29.9	27.3	24.3	22.3	21.3	20.5	23.7
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% failed QC -- 8928 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

May 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	3.7	1.9	1.5	2.1	2.1	3.1	2.4	4.7	4	2.6	2.8	1.3	2.2	1.6	1.7	1.5	1.2	3	2.4	2.1	1.2	0.8	1.2	0.4	2.1
2	0.1	0.4	0.2	0.2	0.5	0.5	0.3	1.1	1.9	2.6	3	3.1	3.5	3.7	3.4	0.9	0.9	0.9	0.1	0	0.1	0.7	2.1	1.4	1.3
3	1.1	2.8	2.7	1.5	0.7	0.7	1.3	2.3	2.6	2.5	2.1	1.9	2.1	3.6	3.3	3.8	3.9	3.8	3.3	2.6	2.4	2.6	2.2	2.2	2.4
4	1.4	0.9	0.3	0.9	1.4	1.4	2.1	2.3	3.6	4.1	3.9	3.8	4.1	4.6	4.2	4.6	4.2	4.1	3.5	2	2.3	2.1	1.9	2.5	2.8
5	2.3	1.8	1.8	2.5	3.3	3.1	2.9	4.4	5.1	5.9	5.7	6.2	5.6	5.6	5.3	5	4.6	3.9	3.5	3.4	3.9	3.5	4.1	4.5	4.1
6	4.6	5.8	5.4	6.6	6.9	6.5	6.4	6.2	6.8	8.3	8.5	8.6	7.6	6.7	7.3	7.1	7	7.1	6.2	5.6	5.2	5.4	5.1	5.7	6.5
7	6	5.5	4.9	4	4.1	3.3	2.7	3.4	3.8	3.7	4.4	4.1	3.9	4.1	3.7	3.5	3.2	2.1	1.5	1.1	2.4	2.6	1.8	0.7	3.4
8	1.6	1.8	1.7	2	2.2	2.2	2.5	2.9	3.6	4.4	4.6	4.6	4.8	4.4	3.9	4.2	3.7	2.5	1.7	1.8	0.9	1	1.4	1.8	2.8
9	1.8	1	0.4	1.5	0.5	0.5	1.1	2.1	2.3	2.3	1.7	2.4	2.9	3.9	3.5	4.1	4	3.6	2.5	1.9	1.5	1.1	1	0.5	2
10	0.9	0.6	0.2	0.5	1.2	0.5	0.8	1.7	1.3	1.8	2	2.6	2.9	3.4	3.5	3.8	3.9	3.1	2.5	2.1	2.2	2.7	2.3	1.8	2
11	1.5	1.4	0.9	0.5	0.3	0.2	0.6	1.2	1.3	1.5	1.8	2.6	2.6	2.6	2.5	2.4	2.8	3.1	1.8	1.1	2.1	2.8	2.5	2.7	1.8
12	2.9	3	2.8	2.4	2.4	2.4	3.1	2.9	2.6	1.6	1.7	1.9	3.5	5.3	4.9	4.4	5.2	5.1	4.8	3.4	3.3	3.5	3.3	1.4	3.2
13	1.7	2.1	2.1	2.6	3	2.7	3.3	3.7	4	4.3	4.4	4.8	4.7	4.6	4.8	3.7	3.3	2.9	2.6	2.1	2.1	1.6	1.4	1.5	3.1
14	1.2	0.6	0.9	1	1.1	0.7	1.6	2.3	2.9	3.1	3.3	3.2	4	4.4	4.4	4.4	3.8	2.9	2.5	3.1	3.1	3.4	3	3.2	2.7
15	3	2.8	2.4	2.5	2.7	2.2	2.7	3.7	3.5	3.4	3.3	3	3.7	3.3	3.8	3.3	3.2	3.2	2.5	0.9	0.3	1.7	0.3	0.8	2.6
16	1.8	1.4	1.2	0.4	0.3	0	0.5	0.7	2.2	2.8	3	2.5	3.9	2.9	2.7	3.3	2.8	3	2.6	2.3	1.8	1.8	1.8	1.3	2
17	1.5	1.4	1.3	1.4	1.4	1.8	2.2	2.8	3.7	3.7	3.6	3.7	3.4	3.3	3.4	2.7	2.5	2.6	2.8	2.7	2.2	1.8	1.9	1.5	2.5
18	1.9	1.7	1.7	1.5	1	1.3	2.3	2.9	2	2.1	2.4	2.7	3.3	3.5	3.8	4.2	4	3.9	2.9	2.6	2	1.5	1.1	2.1	2.4
19	1.1	1.4	1.4	1.2	1	0.9	1.5	1.6	1.5	1	2.8	2.9	2.2	2.4	3	3.4	3	2.9	3	2.3	2.5	3.1	3	2.8	2.2
20	2.2	2.1	1.7	0.5	2	2.3	3	3.7	5.1	5.7	5.4	4.8	3.3	3.9	2.9	3.6	4.2	4	3.2	2.8	3.3	3.7	3.9	5.5	3.5
21	3.9	3.9	2.7	2.6	3.4	2.8	2.9	3.3	4	4.1	3.8	3.6	4.1	4.2	3.7	3.1	3	2.8	3.5	2	1.4	1.3	0.9	0.7	3
22	0.4	1.3	2.3	2.2	2.5	2.1	2.5	3.5	3.9	4.5	4.3	4.4	3.8	4	4.5	3.8	3	1.8	1.7	0.7	1.2	1.3	1.7	2.4	2.7
23	3.4	3.8	3.4	3.1	2	2.1	2.5	1.8	2.6	2.9	3.5	3.8	3.2	3.4	3.4	3	1.7	2.8	4.8	3.7	2.7	1.9	2.2	1.1	2.9
24	0.5	0.8	1	0.7	0.1	0.1	0.1	0.9	0.6	0.5	0.7	3.9	3.5	3.7	4.3	3.5	3.6	3.7	3.3	4	3.2	2.7	3.5	3.1	2.2
25	3.4	3.4	2.6	2.8	3	3.1	1.8	1.4	2.1	3.6	3.8	2.9	2.5	3.2	2.4	2.5	1.9	2.1	2.3	2.3	1.9	1.9	0.7	0.6	2.4
26	1.5	1.8	2.2	2.6	2.7	3.2	3.5	3.3	3.5	3.7	4.2	4.3	3.8	3.6	3.8	3.7	3.4	2.8	2.2	2.2	1.8	1.7	1.6	1.6	2.9
27	1.9	2.1	2.2	1.5	2.1	2	2.4	2.2	1.5	1.5	1.7	2.1	3.1	2.8	3.7	4.4	3.6	3	1.9	1	0.3	1.6	1.4	1.3	2.1
28	1.3	1.3	1.4	1.2	1	0.9	1.8	2.7	2.8	2.7	3.3	3.3	3.3	4	3	0.6	1.3	1.5	2.2	1.7	1.8	1.3	1.4	1.5	2
29	0.6	0	0.3	0.1	0	0	0	0.7	1.3	1.3	2.1	2.9	3.1	3	2.8	3.1	2.4	1.7	1.3	0.4	0.1	0.6	0.8	0.9	1.2
30	0.9	1.5	1.3	1.2	0.6	0.4	0.5	0.9	1.1	1.8	2.1	3.2	2.9	3.6	2.5	2.6	2.7	2.2	1.7	1.4	2	1.4	0.4	0.1	1.6
31	0	0.1	0.6	0.8	0.8	0.6	2.4	4.7	3.9	3.7	3.1	2.5	2.7	3.7	3.9	3.6	3.4	3.4	3	1.9	1.9	1.5	1.6	1.1	2.3
Avg	1.9	2	1.8	1.8	1.8	1.7	2.1	2.6	3	3.1	3.3	3.5	3.6	3.8	3.7	3.5	3.3	3.1	2.7	2.2	2	2.1	2	1.9	2.6
SD	1.4	1.4	1.2	1.3	1.4	1.4	1.3	1.3	1.4	1.6	1.5	1.4	1.1	1	1	1.2	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.4	1
S/A	0.71	0.71	0.69	0.75	0.79	0.81	0.63	0.5	0.47	0.51	0.46	0.4	0.3	0.26	0.28	0.35	0.37	0.37	0.43	0.53	0.54	0.51	0.57	0.73	0.37
Min	0	0	0.2	0.1	0	0	0	0.7	0.6	0.5	0.7	1.3	2.1	1.6	1.7	0.6	0.9	0.9	0.1	0	0.1	0.6	0.3	0.1	1.2
Max	6	5.8	5.4	6.6	6.9	6.5	6.4	6.2	6.8	8.3	8.5	8.6	7.6	6.7	7.3	7.1	7	7.1	6.2	5.6	5.2	5.4	5.1	5.7	6.5
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% 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 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	210	204	201	197	209	232	228	331	359	343	328	8	345	340	351	325	296	118	96	102	116	131	141	148	294
2	152	156	192	162	178	187	225	191	193	162	169	174	166	116	104	164	79	325	219	297	311	314	324	323	158
3	319	342	346	355	348	351	8	7	22	40	22	79	97	67	88	102	92	77	73	73	90	81	86	101	60
4	113	129	122	104	81	83	80	79	85	76	85	87	93	84	66	72	69	65	62	51	50	42	44	54	74
5	52	56	53	57	67	69	60	61	68	65	63	65	63	61	55	57	49	50	49	51	52	42	44	42	57
6	34	34	30	29	28	29	22	22	29	38	33	34	21	3	347	348	353	338	326	328	322	321	322	328	7
7	331	333	330	313	308	297	297	305	306	308	319	306	294	287	294	292	282	255	221	217	238	264	281	333	301
8	287	287	276	282	286	292	286	294	302	322	319	327	309	313	310	312	310	37	103	143	153	165	132	145	307
9	172	192	240	359	19	326	45	58	80	110	76	87	113	132	115	109	96	87	88	124	124	115	134	150	103
10	125	97	57	63	56	83	102	70	67	83	92	90	94	106	103	100	101	84	88	84	92	112	107	127	95
11	135	163	134	112	101	109	132	131	147	169	202	204	191	179	211	191	165	138	127	117	183	188	191	204	173
12	217	222	226	223	225	224	230	256	275	276	358	25	34	40	58	60	53	60	59	55	57	68	74	61	51
13	66	69	62	53	54	48	52	56	62	61	68	70	64	70	79	79	82	68	69	75	77	78	89	91	67
14	98	120	127	149	134	142	157	172	192	208	212	210	218	217	220	214	200	196	181	183	179	193	191	195	195
15	201	198	196	200	205	210	209	227	220	221	209	211	226	209	211	213	175	173	294	224	187	234	208	154	210
16	176	202	270	300	253	355	295	321	333	4	26	35	69	66	76	64	74	67	70	73	81	85	72	71	58
17	72	66	59	49	36	43	42	41	48	55	68	74	60	64	64	54	53	65	71	69	72	85	83	95	62
18	79	69	74	68	59	83	90	105	96	93	87	96	101	106	115	111	105	116	107	111	107	118	106	113	100
19	92	90	77	82	62	40	89	106	92	140	126	125	111	122	108	120	114	114	120	124	120	141	163	165	118
20	180	191	163	158	139	169	179	187	192	194	194	199	202	209	205	197	202	272	302	308	321	326	341	4	215
21	3	354	342	338	342	344	353	357	360	3	7	356	4	7	41	64	67	66	84	92	119	134	157	195	16
22	197	219	224	227	241	256	251	264	256	260	252	255	267	263	266	268	264	247	250	217	219	213	201	194	250
23	214	223	226	225	217	214	221	225	221	237	252	247	270	261	265	271	248	73	37	42	47	70	333	303	249
24	232	302	282	332	314	333	285	255	223	322	86	68	74	68	64	55	57	54	28	48	44	39	41	34	49
25	31	35	16	356	357	345	342	323	330	332	317	334	328	306	313	307	313	297	294	288	295	323	309	275	331
26	271	262	261	260	266	267	272	290	292	284	291	295	287	281	295	290	65	105	118	136	136	159	177	190	273
27	209	215	215	212	231	242	254	251	244	256	210	213	189	211	246	250	251	266	258	229	218	193	202	204	231
28	208	212	207	208	212	202	199	234	225	183	170	209	232	244	334	19	309	306	296	283	270	265	292	354	240
29	33	314	218	235	258	327	227	237	246	252	271	277	286	290	280	283	270	257	236	221	211	210	209	204	267
30	208	203	207	222	226	267	250	234	214	237	228	234	252	249	235	209	191	185	193	183	185	182	233	167	218
31	161	218	305	299	327	341	14	47	47	39	84	62	54	67	65	68	70	74	82	76	73	68	56	74	58
Avg	153	286	292	321	335	316	324	346	360	14	27	47	38	48	42	58	75	74	63	75	82	96	71	77	31
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% 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 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	6.4	3.3	2.7	3.6	3.6	5	4.3	8.7	7.3	5.2	5.4	2.9	4.4	3.5	3.7	3.4	2.7	4.9	3.8	3.4	2.3	1.6	2.2	0.7	4
2	0.3	0.9	0.6	0.6	1.2	1.2	1	2.4	3.5	4.5	5.1	5.5	6.3	6.4	5.2	2	1.8	2.2	0.5	0	0.3	1.6	4	2.8	2.5
3	2.3	5.3	4.7	3.2	1.8	1.8	2.9	4.1	4.8	4.8	4.2	3.8	4.1	6.1	5.4	6.3	6.4	6.3	5.3	4.2	4	4.5	3.8	3.7	4.3
4	2.7	2	1.1	1.8	2.3	2.6	3.6	4.3	5.6	6.5	6.1	6.3	6.6	7.4	7.1	7.3	6.8	6.5	6	3.9	4	3.9	3.7	4.9	4.7
5	4.2	3.4	3.4	4.6	5.8	6.2	5.5	7.8	8.5	9.7	9.3	10	9.1	9.6	8.6	8.3	8.2	7	6.9	6.2	6.6	6.3	7.9	8.2	7.1
6	8.1	10	9.7	11.7	12.1	11.4	11.5	11.1	12.5	14.4	15.4	15.5	14.2	11.4	13.1	12.5	12.1	12.9	11.3	10.3	9.6	10	10.2	10.7	11.7
7	10.9	10.1	8.7	8	8.3	6.9	6	7.3	7.3	7.5	7.9	7.8	7.9	7.8	7.3	7	6.1	3.6	2.3	1.7	3.8	4.4	3.3	1.5	6.4
8	2.9	3.6	3.1	4.1	4	4.4	4.9	5.6	7.2	8.2	8.3	8.7	8.9	8.9	8	8	7.4	4.5	2.6	2.8	1.7	1.9	2.3	2.8	5.2
9	2.7	1.9	0.7	2.4	1	1	1.9	3.4	3.7	4	3.4	4.1	4.8	6.2	5.4	6.1	6.1	5.7	4.1	2.8	2.4	1.9	1.7	1.1	3.3
10	1.6	1.1	0.4	1	2	1	1.6	2.7	2.6	3.2	3.6	4.5	4.7	5.3	5.6	5.7	5.7	5	4	3.5	3.4	4.2	3.8	3.1	3.3
11	2.6	2.6	1.9	1.4	0.9	0.5	1.5	2.2	2.6	2.8	3.5	4.5	4.6	4.9	4.5	4.1	4.8	4.5	2.8	1.7	3.8	4.6	4.1	4.4	3.2
12	4.5	4.6	4	3.6	3.6	3.6	4.6	4.9	5	3.3	3.3	3.6	5.9	8.9	8	8	8.2	8.3	7.9	5.8	5.7	5.8	5.5	2.7	5.4
13	2.9	3.6	3.8	4.8	5.3	4.7	5.9	6.4	7.2	7.3	7.7	8.1	7.4	7.3	7.7	5.9	5.6	4.8	4.3	3.5	3.6	3	2.7	2.7	5.3
14	2.2	1.4	1.7	1.8	1.8	1.4	2.9	4.1	5.3	5.3	5.9	5.7	6.7	7.4	7.7	7.2	6.2	5.1	4.5	5.5	5.9	5.8	5.2	5.7	4.7
15	5.5	5	4.5	4.3	4.9	3.8	4.6	6.1	5.8	5.5	5.3	5.2	6.2	5.7	6.3	5.8	5.6	5.8	5.5	2.3	1.1	3.3	0.8	1.8	4.6
16	3.7	3	2.6	1.3	1.1	0	1.3	2.2	4.6	4.9	5.8	4.8	6.5	4.6	4.6	5.2	4.8	4.9	4.4	3.9	3	2.9	3	2.3	3.6
17	2.4	2.5	2.3	2.3	2.6	3.2	4.1	4.9	6.4	6.3	6	6	5.6	5.4	5.8	4.7	4.5	4.3	4.4	4.3	3.6	3.1	3.3	2.8	4.2
18	3.2	2.7	2.6	2.5	1.7	2.2	3.8	4.8	3.4	3.7	4.1	5.1	5.5	5.9	6	6.2	6.5	6.3	4.7	4.4	3.4	2.4	2.2	3.5	4
19	2	2.4	2.5	2.1	2.2	1.8	2.9	2.8	2.9	1.9	4.4	4.8	3.8	4.1	4.6	5.4	4.9	4.9	5	4	4	5.2	5.2	4.8	3.7
20	4.1	3.7	3.3	1.5	3.4	4.5	5.5	7.1	8.7	9.6	8.9	8	5.5	6.7	5.1	6.1	7.2	7.7	7	6.1	6.7	7.3	7.6	10.1	6.3
21	7	6.7	4.9	5	6.2	5	5.1	5.9	7	7	6.9	6.4	7.5	7.4	6.6	5.1	4.9	4.6	5.7	3.6	2.4	2.2	1.6	1.2	5.3
22	1.1	2.1	3.4	3.2	4	3.5	4.1	5.9	6.4	7.8	7.3	7.3	6.9	7.9	8.4	6.9	5.7	3.2	2.9	1.2	2.1	2.3	2.9	4.3	4.6
23	5.7	6	5.3	5	3.3	3.5	4.1	3.1	4.5	4.8	6	6.3	5.8	6	6.2	5.7	3.6	4.4	8.9	6.6	4.6	3.2	3.7	2.6	5
24	1.2	1.9	2.2	2	0.5	0.5	0.6	2.2	1.6	1.6	1.7	6	5.6	6.1	6.8	6.2	6.2	6.6	6	7	6	5.4	6.4	6	4
25	6.1	6.6	5.5	5.1	5.4	5.3	3.6	3.2	4.6	6.7	7.2	5.5	5	6.1	4.6	5.1	4.1	4.4	5.2	4.7	4	4.1	2	1.6	4.8
26	3.3	3.5	4.2	4.9	5	5.8	6.5	7.1	7	7.3	8.2	8.8	7.4	7.6	7.9	6.8	5.9	4.5	3.6	3.4	2.8	2.9	3.1	3.1	5.4
27	3.1	3.4	3.7	2.7	3.3	3	4	3.9	2.7	2.9	3.1	4.3	5.6	5.3	6.5	7.2	6.6	5.3	3.2	1.7	0.6	3	2.4	2.2	3.7
28	2.2	2.1	2.4	2.2	1.9	1.8	3.1	4.7	4.5	4.7	5.6	5.3	5.7	7.3	5.4	1.7	3.1	3.4	4.9	3.6	3.3	2.6	2.6	2.7	3.6
29	1.2	0	0.8	0.4	0.2	0.2	0.1	1.5	2.5	2.9	4	5.6	5.9	6.3	5.7	5.7	4.6	2.9	1.9	0.9	0.3	1	1.3	1.6	2.4
30	1.5	2.6	2.1	1.9	1.1	0.8	1	1.7	2.1	3.2	3.4	5.2	5.1	6.3	4	4.5	4.6	3.9	3.1	2.7	3.8	2.7	0.9	0.3	2.9
31	0.1	0.2	1.2	1.6	1.5	1.5	4.5	8.1	7	6.8	5.3	4.3	5.1	6.2	6	5.7	5.4	5.4	5	3.2	3	2.5	2.7	1.8	3.9
Avg	3.5	3.5	3.2	3.2	3.3	3.2	3.8	4.8	5.3	5.6	5.9	6.1	6.3	6.6	6.4	6	5.7	5.3	4.8	3.8	3.6	3.7	3.6	3.5	4.6
SD	2.4	2.4	2.1	2.3	2.5	2.4	2.2	2.3	2.4	2.7	2.6	2.4	2	1.6	1.8	2	1.9	2	2.1	2.1	2	1.9	2.1	2.5	1.7
S/A	0.69	0.69	0.66	0.71	0.77	0.77	0.59	0.48	0.45	0.48	0.44	0.39	0.31	0.25	0.29	0.33	0.33	0.37	0.45	0.54	0.56	0.52	0.59	0.72	0.37
Min	0.1	0	0.4	0.4	0.2	0	0.1	1.5	1.6	1.6	1.7	2.9	3.8	3.5	3.7	1.7	1.8	2.2	0.5	0	0.3	1	0.8	0.3	2.4
Max	10.9	10.1	9.7	11.7	12.1	11.4	11.5	11.1	12.5	14.4	15.4	15.5	14.2	11.4	13.1	12.5	12.1	12.9	11.3	10.3	9.6	10	10.2	10.7	11.7
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% 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 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	1008	1007	1007	1007	1006	1007	1008	1010	1010	1010	1012	1012	1012	1013	1012	1012	1013	1013	1013	1014	1015	1015	1015	1015	1011
2	1015	1014	1014	1015	1015	1015	1016	1016	1016	1015	1015	1014	1014	1013	1012	1012	1011	1012	1012	1013	1014	1014	1015	1015	1014
3	1015	1015	1015	1016	1016	1017	1017	1018	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1018	1019	1020	1020	1020	1020	1018
4	1020	1020	1020	1021	1021	1021	1022	1023	1023	1024	1024	1024	1024	1024	1024	1024	1025	1025	1025	1026	1027	1027	1027	1027	1024
5	1027	1026	1026	1027	1027	1027	1028	1028	1028	1029	1029	1029	1028	1028	1027	1026	1026	1025	1025	1025	1024	1024	1023	1022	1026
6	1020	1019	1018	1017	1016	1015	1015	1015	1015	1013	1013	1013	1013	1013	1011	1010	1010	1010	1010	1010	1010	1010	1010	1010	1013
7	1010	1010	1010	1010	1011	1012	1012	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1011	1010	1010	1010	1010	1010	1010	1011
8	1010	1009	1009	1009	1010	1010	1011	1011	1011	1011	1012	1011	1011	1011	1011	1010	1010	1010	1010	1011	1011	1012	1012	1012	1011
9	1012	1011	1011	1012	1013	1013	1014	1015	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1014
10	1015	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016
11	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1017	1016	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015
12	1015	1014	1014	1014	1015	1015	1015	1016	1016	1016	1016	1017	1017	1017	1018	1018	1018	1019	1019	1019	1020	1021	1021	1022	1017
13	1022	1022	1022	1022	1022	1023	1024	1024	1024	1025	1025	1025	1024	1024	1024	1023	1023	1023	1022	1022	1022	1021	1021	1020	1023
14	1020	1019	1019	1018	1017	1017	1017	1017	1017	1017	1016	1015	1015	1014	1013	1012	1011	1011	1011	1011	1011	1011	1011	1011	1015
15	1011	1010	1010	1010	1010	1010	1010	1011	1011	1011	1010	1010	1010	1009	1009	1008	1007	1007	1007	1008	1009	1009	1010	1010	1009
16	1008	1008	1008	1008	1009	1009	1010	1011	1011	1012	1013	1013	1013	1013	1012	1012	1012	1013	1013	1013	1014	1014	1014	1014	1012
17	1014	1014	1014	1014	1014	1015	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016
18	1016	1016	1016	1016	1016	1017	1017	1017	1018	1018	1018	1018	1017	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016
19	1015	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1016	1016	1015	1015	1014	1014	1014	1014	1013	1013	1013	1013	1015
20	1012	1012	1011	1011	1009	1009	1009	1008	1008	1007	1006	1006	1005	1005	1004	1004	1003	1003	1005	1006	1007	1007	1007	1007	1007
21	1007	1007	1008	1008	1009	1009	1010	1010	1011	1011	1011	1011	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1011	1010
22	1010	1009	1009	1009	1008	1009	1009	1009	1009	1009	1008	1007	1007	1006	1006	1005	1004	1004	1005	1004	1005	1005	1004	1004	1007
23	1003	1002	1002	1001	1001	1001	1001	1001	1001	1000	1000	999	998	998	998	998	997	997	999	999	999	1000	1000	1000	1000
24	999	999	998	998	999	999	999	1000	1000	1000	1000	1000	1000	1000	1000	1001	1001	1002	1003	1003	1004	1005	1005	1004	
25	1004	1004	1004	1004	1005	1004	1005	1005	1005	1005	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1007	1007	1006	1005
26	1006	1006	1006	1005	1005	1005	1005	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1007	1007	1008	1008	1009	1008	1006	
27	1008	1008	1008	1008	1009	1009	1010	1010	1010	1011	1011	1010	1010	1010	1010	1009	1009	1009	1010	1010	1010	1011	1011	1011	1010
28	1010	1010	1010	1010	1010	1010	1010	1011	1010	1010	1009	1009	1008	1008	1008	1007	1008	1008	1008	1008	1009	1009	1010	1010	1009
29	1010	1010	1010	1011	1011	1012	1012	1013	1013	1013	1013	1012	1012	1012	1012	1011	1011	1011	1012	1011	1012	1012	1012	1012	1012
30	1011	1011	1011	1011	1012	1012	1013	1013	1013	1014	1013	1013	1013	1013	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012
31	1011	1011	1012	1012	1012	1013	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1015
Avg	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013
S D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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
Min	999	999	998	998	999	999	999	1000	1000	1000	1000	999	998	998	998	998	997	997	999	999	999	1000	1000	1000	1000
Max	1027	1026	1026	1027	1027	1027	1028	1028	1028	1029	1029	1029	1028	1028	1027	1026	1026	1025	1025	1026	1027	1027	1027	1027	1026
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% failed QC -- 8928 total measurements.

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

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

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

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

May 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	12.7	12.7	12.6	12.6	12.6	13.2	13.5	13.4	13.5	13.5	13.4	13.4	13.4	13.4	13.4	12.9	12.8	12.8	12.8	12.7	12.7	13
2	12.7	12.7	12.7	12.7	12.6	12.6	13.3	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13	13	12.8	12.8	12.8	12.8	12.7	12.7	12.7	13
3	12.7	12.6	12.6	12.6	12.6	12.6	13.2	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2	12.9	12.8	12.8	12.8	12.7	12.7	13.1
4	12.7	12.7	12.7	12.7	12.6	12.6	13.3	13.6	13.5	13.5	13.4	13.4	13.5	13.5	13.4	13.4	13.5	13.3	12.8	12.8	12.8	12.8	12.7	12.7	13.1
5	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13.6	13.6	13	12.8	12.8	12.8	12.8	12.7	12.7	12.7	13.1
6	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.1	13.1	13.3	13.2	13.3	13.1	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.8
7	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.8	13
8	12.8	12.7	12.7	12.7	12.7	12.7	13.3	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13	12.9	12.8	12.8	12.8	12.7	12.7	13.1
9	12.7	12.7	12.7	12.7	12.6	12.7	13.2	13.6	13.5	13.4	13.4	13.3	13.3	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
10	12.7	12.7	12.7	12.6	12.6	12.6	13.2	13.6	13.5	13.4	13.3	13.3	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
11	12.7	12.7	12.7	12.7	12.6	12.7	13.3	13.6	13.5	13.4	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13	12.9	12.8	12.8	12.8	12.8	12.8	13
12	12.7	12.7	12.7	12.7	12.7	12.7	13	13.4	13.3	13.2	13.2	13.1	13.2	13.2	13.2	13.2	13.3	13.3	12.8	12.8	12.8	12.7	12.7	12.7	13
13	12.7	12.7	12.7	12.7	12.6	12.6	12.7	12.8	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4	12.9	12.8	12.8	12.8	12.8	12.8	13
14	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.8	13
15	12.8	12.7	12.7	12.7	12.7	12.7	13.1	13.3	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
16	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.2	13.2	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13	12.8	12.8	12.8	12.8	12.8	13
17	12.7	12.7	12.7	12.7	12.7	12.6	12.8	13.4	13.5	13.4	13.4	13.4	13.4	13.4	13.3	13.4	13.4	13.1	12.9	12.8	12.8	12.8	12.8	12.7	13
18	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.5	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.2	12.8	12.8	12.8	12.8	12.8	12.8	13
19	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.3	13.3	13.5	13.5	13.5	13.5	13.4	13	12.9	12.8	12.8	12.8	12.8	12.8	12.9
20	12.8	12.8	12.7	12.7	12.7	12.6	12.9	13.4	13.4	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.3	13	12.8	12.8	12.8	12.7	12.7	12.7	13
21	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.3	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13	12.9	12.8	12.8	12.8	12.7	12.7	13
22	12.7	12.7	12.7	12.7	12.6	12.6	13.2	13.5	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.8	13
23	12.8	12.7	12.7	12.7	12.7	12.7	12.6	13	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.2	13.2	13	12.8	12.8	12.8	12.8	12.7	12.7	13
24	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.3	13.5	13.4	13.4	13.4	13.4	13.5	13.4	13.5	13	12.9	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	12.6	12.6	13.4	13.5	13.4	13.5	13.6	13.6	13.6	13.1	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13
26	12.7	12.7	12.7	12.6	12.6	12.6	13.2	13.5	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.7	13
27	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
28	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	13.2	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.7	13
29	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.5	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.3	13.1	12.8	12.8	12.8	12.8	12.8	12.8	13
30	12.7	12.7	12.7	12.7	12.7	12.7	12.9	13.3	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	12.9	12.8	12.8	12.8	12.8	12.8	13
31	12.7	12.7	12.7	12.7	12.7	12.7	13.2	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13	12.9	12.8	12.8	12.8	12.8	12.7	13
Avg	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.4	13.4	13.3	13.3	13.4	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.7	12.7	13
S D	0	0	0	0	0	0	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0	0	0	0	0	0	0.1
S/A	0	0	0	0	0	0	0.02	0.02	0.02	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	12.6	12.7	13.1	13.1	13.2	13.2	13.2	13	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.8
Max	12.8	12.8	12.7	12.7	12.7	12.7	13.3	13.7	13.6	13.6	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.4	13	12.8	12.8	12.8	12.8	12.8	13.1
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% 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.