

February 2007

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	13	29	79	78	87	76	55	64 ?	25 ?	14	4	0	0	0	0	0	0	525 ?
2	0	0	0	0	0	0	0	6	19 ?	97	131	189	201	166	113	75	30	6	0	0	0	0	0	0	1035
3	0	0	0	0	0	0	0	51	216	390	534	578	646	540	374	227	80	14	0	0	0	0	0	0	3650
4	0	0	0	0	0	0	0	47	212	397	538	617	614	480	367	258	118	19	0	0	0	0	0	0	3668
5	0	0	0	0	0	0	0	51	225	394	540	635	659	619	499	345	152	28	0	0	0	0	0	0	4147
6	0	0	0	0	0	0	0	53	230	422	566	655	677	628	514	348	149	13	0	0	0	0	0	0	4255
7	0	0	0	0	0	0	0	16	56	207	566	632	645	597	503	346	150	25	0	0	0	0	0	0	3743
8	0	0	0	0	0	0	0	29	118	185	362	449	?	426 ?	298 ?	280 ?	103 ?	29	0	0	0	0	0	0	2278 ?
9	0	0	0	0	0	0	0	39	?	?	?	?	?	610 ?	504	355	90	20	0	0	0	0	0	0	1617 ?
10	0	0	0	0	0	0	0	48	235	422	562	648	675	630	519	359	165	31	0	0	0	0	0	0	4294
11	0	0	0	0	0	0	3	63	242	429	573	660	680	631	520	359	166	29	0	0	0	0	0	0	4355
12	0	0	0	0	0	0	1	54	214	366	451	541	533	556	440	280	166	19	0	0	0	0	0	0	3620
13	0	0	0	0	0	0	4	35	78	98 ?	160	188	139	105	113	61	25	7	0	0	0	0	0	0	1013
14	0	0	0	0	0	0	1	19	113	230	396	234	196	166	204	135	38	12	0	0	0	0	0	0	1745
15	0	0	0	0	0	0	4	81	272	464	623	617	672	658	507	384	183	39	0	0	0	0	0	0	4505
16	0	0	0	0	0	0	4	59	226	452	563	694	718	677	565	399	195	40	0	0	0	0	0	0	4593
17	0	0	0	0	0	0	4	83	?	312 ?	?	562 ?	426 ?	?	337	249	113	30	0	0	0	0	0	0	2116 ?
18	0	0	0	0	0	0	10	69	?	?	?	313 ?	398	323	303 ?	131	122	29	0	0	0	0	0	0	1698 ?
19	0	0	0	0	0	0	5	65 ?	?	?	?	?	?	?	306 ?	182	42	0	0	0	0	0	0	0	600 ?
20	0	0	0	0	0	0	6	32	133	258	526	535	717	628	375	263	155	32	0	0	0	0	0	0	3659
21	0	0	0	0	0	0	5	56	217	320	419	153	122	211	174	139	94	25	0	0	0	0	0	0	1935
22	0	0	0	0	0	0	3	17	76	132	301	580	694	683	562	283	120	45	0	0	0	0	0	0	3497
23	0	0	0	0	0	0	6	101	296	486	633	726	737	702	589	424	216	50	0	0	0	0	0	0	4967
24	0	0	0	0	0	0	7	112	315	504	652	742	763	712	595	405	217	32	0	0	0	0	0	0	5057
25	0	0	0	0	0	0	1	35	81	116	122	197	163	154	59 ?	38 ?	24 ?	7	0	0	0	0	0	0	997 ?
26	0	0	0	0	0	0	7	48	120	265	490	583	603	616	369	222	115	18	0	0	0	0	0	0	3456
27	0	0	0	0	0	0	9	76	232	432	586	725	709	615	443	420	221	50	0	0	0	0	0	0	4520
28	0	0	0	0	0	0	10	118	319	510	655	746	759	685	569	430	197	57	0	0	0	0	0	0	5055

Avg	0	0	0	0	0	0	3	53	178	319	460	511	529	495	388	270	129	27	0	0	0	0	0	0	3093
S D	0	0	0	0	0	0	3	29	91	141	178	210	235	215	170	124	62	14	0	0	0	0	0	0	1486
S/A	0	0	0	0	0	0	1.03	0.55	0.51	0.44	0.39	0.41	0.44	0.44	0.46	0.46	0.48	0.53	0	0	0	0	0	0	0.48
Min	0	0	0	0	0	0	0	6	19	79	78	87	76	55	59	25	14	4	0	0	0	0	0	0	525
Max	0	0	0	0	0	0	10	118	319	510	655	746	763	712	595	430	221	57	0	0	0	0	0	0	5057
n	0	0	0	0	0	0	51	327	283	285	288	299	291	291	299	311	317	231	0	0	0	0	0	0	3275

Daylight Data Recovery: 0.0% missing; 0.0% untested; 10.0% exceed the 15% QC threshold -- 3638 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.

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	206	489	705	863	787	753	386	407	197	24	0	0	0	0	0	0	0	4817	
4	0	0	0	0	0	0	0	225	638	808	874	854	723	455	280	202	185	2	0	0	0	0	0	0	5247	
5	0	0	0	0	0	0	0	305	667	657	860	926	933	916	863	812	632	231	0	0	0	0	0	0	7802	
6	0	0	0	0	0	0	0	302	673	836	916	954	967	948	903	809	500	0	0	0	0	0	0	0	7810	
7	0	0	0	0	0	0	0	0	0	42	508	651	730	733	792	730	501	152	0	0	0	0	0	0	4841	
8	0	0	0	0	0	0	0	0	1	0	19	139	?	277 ?	195 ?	369 ?	421	120	0	0	0	0	0	0	1541 ?	
9	0	0	0	0	0	0	0	9	?	?	?	?	?	704 ?	814	815	143	0	0	0	0	0	0	0	2486 ?	
10	0	0	0	0	0	0	0	137	727	853	911	930	925	927	889	824	660	295	0	0	0	0	0	0	8078	
11	0	0	0	0	0	0	0	377	725	848	910	935	936	912	869	797	630	239	0	0	0	0	0	0	8179	
12	0	0	0	0	0	0	0	140	441	519	309	232	210	503	516	278	433	35	0	0	0	0	0	0	3616	
13	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
14	0	0	0	0	0	0	0	0	0	17	84	4	1	1	1	0	1	12	0	0	0	0	0	0	122	
15	0	0	0	0	0	0	10	408	770	877	907	680	789	916	758	822	660	328	0	0	0	0	0	0	7925	
16	0	0	0	0	0	0	0	45	423	725	718	858	882	894	876	812	663	298	0	0	0	0	0	0	7193	
17	0	0	0	0	0	0	45	308	384 ?	118 ?	262 ?	181 ?	191 ?	?	58	108	36	1	0	0	0	0	0	0	1692 ?	
18	0	0	0	0	0	0	24	121	?	?	?	69	43	65	221 ?	5	130	12	0	0	0	0	0	0	690 ?	
19	0	0	0	0	0	0	17	153 ?	?	?	?	?	?	?	?	516 ?	475	197	0	0	0	0	0	0	1358 ?	
20	0	0	0	0	0	0	14	0	26	50	531	427	744	584	264	290	336	89	0	0	0	0	0	0	3356	
21	0	0	0	0	0	0	0	95	232	258	152	2	0 ?	0	1	1	1	0	0	0	0	0	0	0	741	
22	0	0	0	0	0	0	1	1	1	2	29	397	782	893	832	243	172	247	0	0	0	0	0	0	3599	
23	0	0	0	0	0	0	55	459	726	830	885	915	900	916	891	833	690	360	0	0	0	0	0	0	8460	
24	0	0	0	0	0	0	147	588	822	905	947	967	971	957	897	770	476	9	0	0	0	0	0	0	8455	
25	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	3	
26	0	0	0	0	0	0	0	0	0	16	182	236	309	554	138	31	7	0	0	0	0	0	0	0	1475	
27	0	0	0	0	0	0	0	12	59	698	823	857	773	603	446	743	641	277	0	0	0	0	0	0	5932	
28	0	0	0	0	0	0	90	481	738	843	885	914	888	773	735	745	372	205	0	0	0	0	0	0	7670	

Avg	0	0	0	0	0	0	14	156	342	424	503	497	538	535	468	420	314	111	0	0	0	0	0	0	0	4039
S D	0	0	0	0	0	0	33	180	329	386	391	395	398	374	369	352	266	128	0	0	0	0	0	0	0	3202
S/A	0	0	0	0	0	0	2.33	1.15	0.96	0.91	0.78	0.8	0.74	0.7	0.79	0.84	0.85	1.15	0	0	0	0	0	0	0	0.79
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	0
Max	0	0	0	0	0	0	147	588	822	905	947	967	971	957	903	833	690	360	0	0	0	0	0	0	0	8460
n	0	0	0	0	0	0	51	327	290	291	290	299	290	297	309	322	336	231	0	0	0	0	0	0	0	3334

Daylight Data Recovery: 0.0% missing; 0.0% untested; 8.4% exceed the 15% QC threshold -- 3638 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**

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	14	29	79	78	87	76	53	54	23	14	4	0	0	0	0	0	0	511
2	0	0	0	0	0	0	0	6	18	97	131	189	201	166	113	75	30	7	0	0	0	0	0	0	1034
3	0	0	0	0	0	0	0	28	89	92	78	96	155	283	155	145	75	14	0	0	0	0	0	0	1210
4	0	0	0	0	0	0	0	18	48	60	69	93	153	192	209	171	76	19	0	0	0	0	0	0	1108
5	0	0	0	0	0	0	0	20	49	108	72	68	68	74	65	51	33	12	0	0	0	0	0	0	620
6	0	0	0	0	0	0	0	19	41	52	57	60	59	58	54	47	41	13	0	0	0	0	0	0	500
7	0	0	0	0	0	0	0	16	56	183	229	166	113	101	62	47	32	10	0	0	0	0	0	0	1014
8	0	0	0	0	0	0	0	31	118	185	339	287	?	183 ?	111 ?	74 ?	30	11	0	0	0	0	0	0	1368 ?
9	0	0	0	0	0	0	0	29	?	?	?	?	?	104 ?	73	46	50	19	0	0	0	0	0	0	321 ?
10	0	0	0	0	0	0	?	28	42	51	56	60	70	59	55	45	31	11	0	0	0	0	0	0	508
11	0	0	0	0	0	0	?	24	47	59	64	65	66	67	63	53	35	12	0	0	0	0	0	0	555
12	0	0	0	0	0	0	0	35	86	129	266	369	353	207	150	164	68	15	0	0	0	0	0	0	1843
13	0	0	0	0	0	0	?	35	78	74 ?	160	188	139	105	113	61	25	7	0	0	0	0	0	0	984
14	0	0	0	0	0	0	1	19	113	221	339	233	196	166	204	135	38	12	0	0	0	0	0	0	1677
15	0	0	0	0	0	0	5 ?	31	51	63	97	149	130	70	90	52	37	13	0	0	0	0	0	0	788
16	0	0	0	0	0	0	6 ?	51	74	83	92	75	72	67	61	53	38	14	0	0	0	0	0	0	686
17	0	0	0	0	0	0	3	25	59 ?	201 ?	154 ?	374 ?	258 ?	?	285	189	96	30	0	0	0	0	0	0	1673 ?
18	0	0	0	0	0	0	13 ?	43	?	?	?	254	346	252	191 ?	127	73	27	0	0	0	0	0	0	1326 ?
19	0	0	0	0	0	0	6 ?	24 ?	?	?	?	?	?	?	?	88 ?	59	22	0	0	0	0	0	0	199 ?
20	0	0	0	0	0	0	7 ?	32	125	233	186	232	173	210	206	133	74	21	0	0	0	0	0	0	1632
21	0	0	0	0	0	0	6 ?	35	144	187	320	151	116	211	174	139	94	25	0	0	0	0	0	0	1602
22	0	0	0	0	0	0	3	17	76	132	286	293	126	74	73	174	86	21	0	0	0	0	0	0	1361
23	0	0	0	0	0	0	7 ?	33	58	73	80	82	84	76	67	54	40	16	0	0	0	0	0	0	670
24	0	0	0	0	0	0	8 ?	26	44	53	59	61	59	55	64	57	82	30	0	0	0	0	0	0	598
25	0	0	0	0	0	0	1	35	81	116	122	197	163	134	49	34	17 ?	7	0	0	0	0	0	0	956
26	0	0	0	0	0	0	7	48	120	257	361	405	360	209	278	208	113	18	0	0	0	0	0	0	2384
27	0	0	0	0	0	0	11	71	190	108	97	105	135	189	179	80	49	21	0	0	0	0	0	0	1236
28	0	0	0	0	0	0	11	37	57	67	76	78	91	124	112	84	92	33	0	0	0	0	0	0	862

Avg	0	0	0	0	0	0	4	30	76	119	155	170	151	134	123	93	55	17	0	0	0	0	0	0	0	1044
S D	0	0	0	0	0	0	4	13	40	64	104	107	92	69	71	54	27	8	0	0	0	0	0	0	0	521
S/A	0	0	0	0	0	0	1.09	0.44	0.53	0.54	0.67	0.63	0.61	0.52	0.58	0.58	0.5	0.46	0	0	0	0	0	0	0	0.5
Min	0	0	0	0	0	0	0	6	18	51	56	60	59	53	49	23	14	4	0	0	0	0	0	0	0	199
Max	0	0	0	0	0	0	13	71	190	257	361	405	360	283	285	208	113	33	0	0	0	0	0	0	0	2384
n	0	0	0	0	0	0	38	322	290	288	290	300	293	297	307	322	333	231	0	0	0	0	0	0	0	3312

Daylight Data Recovery: 0.0% missing; 0.0% untested; 9.0% exceed the 15% QC threshold -- 3638 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 17880F3    Calibration Factor: 8.067 μV/W/m<sup>2</sup>    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**

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	-1.5	-1.3	-0.8	-0.7	-0.4	0	0.5	0.7	1.3	1.8	2.2	1.6	1.4	1.6	1.8	1.8	1.8	2.2	3.1	2.9	2.8	3	3.6	3.8	1.4
2	4.3	4.4	4.6	4.3	4.3	4.1	4.1	4.1	4.1	4.5	5.3	5.9	6.7	7.3	7.9	7.5	7.5	7.5	7.7	8	8.4	8.3	7.9	7.6	6.1
3	7.3	6.6	5.5	4.6	3.5	2.2	1	0.7	1.3	2.1	3.1	4	4.8	5.5	5.6	5.6	5.5	5	4.5	4.4	4.4	4	3.9	3.4	4.1
4	3.1	2.9	3.1	2.7	1.8	1.2	0.8	0.7	1.9	3.7	5.8	7.3	8.5	8.8	9.1	9.2	9.1	8.4	7.4	6.8	5.8	5	4	2.8	5
5	1.6	0.3	-0.7	-1.2	-2.1	-2.7	-3.3	-3.7	-2.7	-1.8	-1.1	-0.2	0.5	1.1	1.5	1.7	1.3	-0.3	-1.4	-2.1	-2.6	-3.2	-4	-4.6	-1.3
6	-5.4	-6.2	-6.2	-6.9	-7.3	-8	-8.6	-9.2	-7.9	-6.7	-5.9	-5	-3.6	-2.9	-2.3	-1.8	-1.3	-1.6	-1.7	-1.8	-1.6	-1.4	-0.7	-0.5	-4.4
7	-0.3	0.2	1.1	1.8	2.5	2.9	3.3	3.2	3.5	4.1	3.8	3.3	4.1	4.2	4.7	4.5	3.9	2.6	1	-0.2	-0.6	-0.8	-0.7	-1.1	2.1
8	-1.3	-1.4	-1.5	-1.6	-1.2	-1.6	-1.7	-2	-1.3	-0.4	0.4	1.7	3.3	4.3	4.9	5.3	5.2	3.8	1.9	0.7	-0.1	-1.4	-2.1	-2.6	0.5
9	-2.8	-2.8	-3	-2.8	-2.7	-3.2	-2.7	-2.6	-1.5	0.5	1.5	2.7	3.8	4.5	5.3	5.5	4.7	3.7	3.2	2.8	1.7	0.5	-1.1	-1	0.6
10	-1.2	-1.4	-0.9	-0.9	-0.9	-1.1	-1.4	-1.5	-0.8	0.4	1.7	2.9	3.7	4.8	5.6	5.8	5.7	4.7	3.5	2.8	1.7	0.1	-1.1	-1.9	1.3
11	-2.3	-1.9	-1.6	-1.6	-2.1	-2.6	-3.1	-3.1	-1.8	-0.1	1.1	2.1	3.4	4.1	4.7	5.1	5.7	4	2.4	1.5	1.1	1.1	0.9	0.9	0.7
12	1	0.7	0.7	0.2	0.8	1.2	1.4	1.4	3.7	7.2	9.3	11	12.3	12.7	13.7	12.9	11.3	9.3	9.6	9.7	9.3	9.3	9.2	8.7	6.9
13	8.4	8.3	7.6	7.2	7	7	7.2	7.6	8.3	8.3	8.4	9	9.1	9.1	9.2	9.3	9.6	9.9	10	10.1	10.5	10.9	12.4	14.2	9.1
14	14.1	14.8	14.5	14.7	14.3	7.2	3.3	2.4	2.5	2.8	3.8	4.3	4.4	5.3	6.2	7.3	7.7	8.1	8	6.5	4.2	2.5	1.2	-0.2	6.7
15	-1	-1.3	-1.8	-2.3	-2.7	-3.1	-3.5	-3.6	-2.5	-1.5	-0.8	-0.1	0.8	1.7	2.4	2.9	2.8	2.2	1	0.2	-0.8	-1.4	-1.9	-2.6	-0.7
16	-2.6	-2.7	-2.9	-3.1	-3.6	-3.9	-4.2	-4.3	-3.6	-2.7	-2.1	-1	0.3	1.2	2	2.3	2.4	1.7	0.4	-0.3	-1	-1.5	-2	-2.2	-1.4
17	-2.4	-2.4	-2.7	-2.8	-3.8	-3.8	-3.6	-3	0.3	2.1	3.3	4.9	6.1	7.5	7.7	8	7.5	6.6	6.2	6.1	5.9	5.6	5	4.6	2.6
18	4	3.1	2.9	2.7	1.9	1.5	0.8	0.8	2.2	4	5.6	6.1	5.6	4.6	6.1	5.7	6.2	5.1	3.8	2	0.8	-0.1	-1	-1.4	3
19	-1.9	-2.4	-2.6	-3.3	-3.8	-4.5	-5.1	-4.8	-3.2	-2.2	-1.2	-0.3	0.9	2.4	3.5	4.3	4.8	4.3	3.4	3	2.9	2.7	2.3	2.7	0.1
20	3	3.2	3.5	3.5	3.3	4	5	5.8	6.7	8.6	11.6	13.7	15.6	16.2	15.9	15.8	16.1	15.5	14.9	14.1	13.8	14.3	13.4	11.4	10.4
21	11.8	12.2	12.7	12.5	12.7	13	13	12.8	13.9	15.1	16.5	16.3	11.5	9.5	9.7	9.9	9.9	9.3	8.5	8.1	8	8.3	8.5	8.8	11.4
22	8.8	8.7	8.7	8.2	8.1	8.1	8.4	8.7	9.3	10.6	12.1	13.6	15.7	17.5	18.9	20.1	19.9	17.9	15.8	14.3	13.3	12.2	9.7	8.2	12.4
23	7.2	6.3	5.9	5.2	4.4	3.7	3	3.3	4.5	5.2	6	6.8	7.5	8.3	9.2	9.5	9.4	8.5	6.7	5.7	5	4.3	3.4	2.7	5.9
24	1.9	0.8	0.4	-0.9	-2.2	-0.9	-0.8	-1.2	0.4	2.6	3.9	5.4	7	8.3	9.3	10.3	9.9	8.9	7.8	6.6	5.4	5.1	4.9	4.5	4.1
25	4.6	4.6	4.4	4.5	4.5	4.6	4.3	4.1	4.6	5.3	5.8	6.7	7	8.2	8.3	7.6	7.9	9.2	11.1	11.5	12.8	14	14.7	14.5	7.7
26	14.5	13.4	12.3	10.8	8.8	7.4	6.6	6	6	6.5	7.9	9.6	10.8	12.1	12.7	12.6	12.4	11	8.3	6.9	6.5	6.1	5.8	5.7	9.2
27	5.2	4.9	4.6	4.4	4.2	4	3.5	3.7	4.9	7.5	9.9	11.4	12.7	13.7	13.4	13.6	13.6	11.8	9.4	8.5	8.4	8.9	8.9	8.8	8.3
28	8.7	8.1	7.1	5.7	5.3	4.9	4.3	4.6	5.9	7.3	8.4	9.7	10.5	11.4	12.4	12.4	11	8.6	6.8	5.9	5.5	5.4	4.9	4.4	7.5

Avg	3.1	2.8	2.7	2.3	2	1.5	1.2	1.1	2.1	3.4	4.5	5.5	6.2	6.9	7.5	7.7	7.6	6.7	5.8	5.2	4.7	4.3	3.9	3.6	4.3
S D	5.4	5.4	5.3	5.2	5.2	4.7	4.7	4.8	4.6	4.6	4.9	5	4.8	4.8	4.8	4.8	4.6	4.5	4.4	4.5	4.7	5	5.1	5.2	4.3
S/A	1.73	1.89	1.97	2.23	2.64	3.18	4.04	4.21	2.14	1.37	1.09	0.92	0.77	0.7	0.64	0.62	0.61	0.66	0.76	0.86	0.99	1.15	1.31	1.46	1.01
Min	-5.4	-6.2	-6.2	-6.9	-7.3	-8	-8.6	-9.2	-7.9	-6.7	-5.9	-5	-3.6	-2.9	-2.3	-1.8	-1.3	-1.6	-1.7	-2.1	-2.6	-3.2	-4	-4.6	-4.4
Max	14.5	14.8	14.5	14.7	14.3	13	13	12.8	13.9	15.1	16.5	16.3	15.7	17.5	18.9	20.1	19.9	17.9	15.8	14.3	13.8	14.3	14.7	14.5	12.4
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 total measurements.

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

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

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

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

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	74.4	77.9	74.6	77.4	76.1	71.6	71.3	73.6	71.7	72.2	76.8	98.8	104.8 ?	?	?	?	?	?	?	?	?	?	?	?	78.6 ?	
2	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	103.5 ?	101.2	101.4	102.1	102.1 ?	
3	101.2	96	92.3	80.4	78.1	81.7	84.1	80	74.3	65.3	60	51.5	49.7	49.5	45.6	45.6	48.2	51.5	57.4	58.9	58.9	63	62.9	66.3	66.8	
4	68.3	67.9	65.3	66.5	69.9	72.3	72.3	73.9	70.6	61.7	50.7	41.8	40.1	38.1	39	39.6	39.8	43	48.6	50.2	54	52	49	51.2	55.2	
5	49.4	50.6	48.9	42.9	48	46.6	47.2	50.7	45.9	41.8	41	39.7	38.8	37.7	37.5	35.9	33.1	33.8	34	36.1	36.7	35.1	40.9	41.1	41.4	
6	44.8	50.4	41.3	42.9	41.5	47.2	50.7	63.8	55.7	40.6	38.7	35.3	30.9	30.5	30.9	31	29.8	31.9	35.1	40	43.8	49	49.2	51.8	42	
7	54.8	60.2	69.7	74.3	77	77.8	77.9	76.6	75	69	60.5	59	56.6	54.1	50.7	51.3	53.2	58.1	68.8	78.4	80.4	81.4	82.3	86.8	68.1	
8	90.3	91.5	92.4	92.2	86.1	85.2	79.6	77.2	79.9	71.2	51.5	43.3	35.4	29.9	28.1	25.5	24.2	26.8	35.2	39	42.5	51.2	53.1	56.3	57.8	
9	61.4	60.8	59.2	66.4	78.9	81	69.2	54.6	50.4	40.8	31.3	29.5	28.4	27.4	26.3	25.8	27.3	29.5	32.4	33.2	36.1	44.9	52.4	56.9	46	
10	62.5	70	69.7	68.9	61.3	61.1	63.1	67.5	66.9	65.7	57.1	46.9	41.7	38.4	33.7	31.4	30.4	32.8	35.4	37.8	42.7	49.3	53.7	56.6	51.9	
11	68.4	63.7	69.4	70.8	76	78.4	77.3	77.1	72.9	68.6	62.2	53.5	47	47.5	49.4	48	50.1	61.3	67.1	73.9	77.8	84.2	90	93.5	67.8	
12	96.5	98.3	100.2	103.4	99.3	93	85.9	83.1	75.3	57.3	49.2	44.6	40.4	41.8	37.5	39.2	40	52.5	58.6	55.7	63.9	68.2	71.9	78.5	68.1	
13	79.2	78.4	86.8	95.9	100.6	103.6	104.8 ?	104.1 ?	102.8	104.2 ?	?	103.3	102.8	102.9	103.6	104.8	?	?	?	?	?	?	104 ?	103.3	99.1 ?	
14	?	?	?	?	102.8 ?	104.2 ?	?	?	104.4 ?	103.1	100	99.3	100.2	99.4	97.9	95.9	96	96	77.4	73.2	65.9	68.5	71.7	62.8	89.9 ?	
15	65.3	66.4	67.3	70.9	69.1	68.6	71.5	77.3	58.9	47.2	47	42.6	42.4	41.7	39.6	39.4	39.1	44.1	51.8	58.7	70	76.9	77.2	78.1	58.8	
16	78	71.5	65.5	65.1	67.7	65	61.8	62	59.9	51	49.2	47.7	43.2	38.4	37	36.3	36.5	40.6	47.4	47.6	51.4	53.5	55.3	56.8	53.7	
17	60	60.2	62.6	63.3	72.4	75.1	73	74.3	74.1	58.1	46.2	43.1	40.6	37.5	37.2	38.9	45.1	52.8	61.1	68.1	74.6	76.6	74.9	70.2	60	
18	68.2	69.9	68.1	68.1	72	71.7	75.1	78.1	73.6	67.9	56	50.2	54.1	63.5	55.1	53	43.5	41.5	46.2	59.8	61.7	55.5	58.9	54.6	61.1	
19	53.1	54.7	58	56.7	55.7	59.3	61.1	61.1	54.9	49.2	47	43.3	39.5	36.9	35	34.6	36.3	39.1	44.8	53.7	65	66.2	76.7	79.8	52.6	
20	82.5	84.9	87.4	89.8	91	89.8	88.5	89.1	87.1	77.8	59.9	48.2	42.4	43.5	56.7	61.1	62.8	67.2	69.9	73.5	78.2	80.2	83.3	84.4	74.1	
21	84.4	85.9	84.6	87.4	89.5	90.6	92.2	93.8	91	87.5	81.1	77.9	91.7	98.9	95.7	88.7	85.4	86.4	90.1	92.2	94.4	94.1	94.2	95.8	89.7	
22	97.4	99.8	101	103.7 ?	?	?	?	?	?	?	104.8 ?	99.1	82.9	61.3	49.7	40.7	37.1	28.4	25.5	27.6	31.5	35.7	46.4	50.5	62.4 ?	
23	53.1	56	52.8	50.5	51.4	54.2	56.6	56.3	53.1	48.9	46.1	43.9	42	38.9	36.7	35.6	36.4	39	46.7	49.5	51.7	51	48.2	48.4	47.8	
24	48.2	51.6	51.8	58.6	66.8	55.6	53	57.6	51.4	36.5	35.2	35.9	34.5	33.2	32.3	31.7	32.1	34.8	40.1	50.7	78.4	81.4	82.5	85.5	50.8	
25	86.3	86.5	85.3	88.1	88.2	81.8	83.2	85	86.5	85.7	88.3	84.9	89.9	83.4	88.7	101.7	104.5 ?	?	104.6 ?	?	?	?	103.5 ?	?	89.8 ?	
26	104.4 ?	104.4	104.4	104.8	104.9 ?	104.3	103.7	103.6	103.1	101.9	98.8	94	91	84.4	79.7	75.6	72.6	85.1	100.6	103.3	103.6	100.4	100.1	101	97.1	
27	103.5	?	?	?	?	?	?	?	?	?	101 ?	92.6	77.8	73.4	69.8	72.2	70.1	67.8	75.9	84.9	90.8	93.4	92.5	95.3	96.3	84.8 ?
28	94.4	97.1	98.7	102.6	97.5	91.2	88.2	78	71	62.5	61.3	56	53.2	50.4	47.3	48.4	56.4	67.1	74.2	81.6	89.2	91.1	92.8	96.1	76.9	

Avg	74.2	74.2	74.3	75.7	76.9	76.4	74.6	74.9	72.4	66.8	61.3	58.9	56.9	53	51.7	51.1	49.1	50.8	57.5	59.7	66	68.1	73	73.3	67.7 ?
S D	18.6	17.1	18	18.6	17.4	16.8	15.4	14.2	16.7	20.5	21	23.2	24.7	23	23.2	23.7	21.5	20	22	20.3	21.2	19.9	20.3	19.8	17.9
S/A	0.25	0.23	0.24	0.25	0.23	0.22	0.21	0.19	0.23	0.31	0.34	0.39	0.43	0.43	0.45	0.46	0.44	0.39	0.38	0.34	0.32	0.29	0.28	0.27	0.27
Min	44.8	50.4	41.3	42.9	41.5	46.6	47.2	50.7	45.9	36.5	31.3	29.5	28.4	27.4	26.3	25.5	24.2	26.8	25.5	27.6	31.5	35.1	40.9	41.1	41.4
Max	104.4	104.4	104.4	104.8	104.9	104.3	104.8	104.1	104.4	104.2	104.8	103.3	104.8	102.9	103.6	104.8	104.5	96	104.6	103.3	103.6	101.2	104	103.3	102.1
n	308	299	300	293	287	289	278	281	295	297	305	324	314	312	312	311	294	288	292	288	293	300	307	312	7184

Data Recovery: 0.0% missing; 0.0% untested; 10.9% failed QC -- 8064 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

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	-3.9	-3.9	-3.3	-2.4	-1.8	-1.1	-0.5	0	0.5	1.2	2.3	2.9	2.8	2.7	2.7	2.5	2.5	2.7	3.2	3.2	3.3	3.6	3.9	1.1	
2	4.2	4.6	4.8	4.9	4.9	4.8	4.7	4.6	4.6	4.8	5.6	6.6	7.5	8.2	8.8	9	9	8.7	8.4	8.4	8.5	8.7	8.4	8.3	6.7
3	8	7.6	6.3	5.3	4.4	3.1	1.3	0.2	1.3	3.4	5.5	7.2	8.1	8.8	8.7	8.2	7.4	6.3	5	4.2	4	3.7	3.2	3.1	5.2
4	2.8	2.5	2.5	2.3	1.6	0.6	-0.2	-0.7	0.8	3.8	6.9	9.3	10.9	11.6	11.5	11.3	10.9	9.8	8.2	6.9	5.8	4.8	3.9	2.8	5.4
5	1.3	0.1	-1.3	-2.1	-2.7	-3.7	-4.4	-4.8	-3.2	-0.5	1.4	3	4.3	4.9	5.1	5.1	4.9	3.2	-0.1	-2.2	-3.6	-4.5	-5.4	-6.4	-0.5
6	-7	-7.7	-8.3	-8.8	-9.2	-9.7	-10.2	-10.6	-8.7	-5.6	-3	-1.2	-0.1	0.8	1.2	1.4	1.5	0.6	-0.9	-1.5	-1.5	-1.4	-1.1	-0.7	-3.8
7	-0.4	-0.1	0.5	1.1	1.8	2.5	3	3.3	3.6	4.2	6	7.5	8	8.3	8.1	8.2	7.9	6.1	2.7	0.3	-1.2	-2	-2.2	-2	3.1
8	-1.9	-2.1	-2.4	-2.7	-2.5	-2.7	-2.7	-2.5	-1.9	-0.5	1	2.9	4.7	6.6	7.1	7.7	8.1	7	3.6	0.8	-1.3	-3.2	-4.8	-5.7	0.5
9	-6.1	-6.6	-6.5	-6.1	-5.3	-4.7	-4.5	-3.8	-2.3	0.8	3.6	5.1	7.1	8.5	9.5	9.7	8.9	6.2	4.3	3.2	1.9	-0.1	-2.2	-3.1	0.7
10	-2.9	-2.6	-2.3	-1.9	-1.5	-1.2	-1.4	-1.8	-1	1.6	4.4	7.1	9	9.5	9.9	10	9.6	8.1	4.5	1.7	-0.2	-2.1	-3.6	-4.7	2
11	-5.7	-6	-5.1	-4.3	-3.8	-3.8	-4.1	-4.3	-2.4	0.5	3.5	6	8.2	9.5	9.5	9.4	9.2	8.1	4.5	1.8	0.3	-0.5	-0.6	-0.9	1.2
12	-1.1	-1.1	-1.5	-1.6	-1.3	-1.3	-1.2	-0.7	1.1	5.7	10.6	14.1	15.8	16.9	17.2	17.1	16.1	13.6	10.7	10	9.6	9.5	9.7	9.6	7.4
13	9.2	9.1	8.8	8.4	8.1	7.7	7.6	7.7	8.3	9	9.2	9.6	10.3	10.6	10.6	10.6	10.5	10.5	10.6	10.6	10.6	10.7	11.3	12.3	9.7
14	13.2	14	14.7	14.7	15	13	8.3	5.3	4	4.1	5	6.4	6.4	6.5	7	7.8	8.4	8.4	8.5	8.1	6.7	4.1	2	0.5	8
15	-0.9	-2	-2.7	-3.2	-3.8	-4.2	-4.7	-4.9	-2.8	-0.1	2.2	4.2	5.3	6.3	7	7.3	7.1	5.8	2.3	-0.5	-2.1	-3.1	-4.3	-4.1	0.2
16	-4.4	-4.5	-4	-3.6	-3.5	-3.7	-4.1	-4.3	-3.8	-1.3	1.1	2.6	4	4.9	5.4	5.7	5.6	4.6	1.7	-0.8	-2.2	-3.3	-4.2	-4.8	-0.7
17	-5.2	-4.9	-4.8	-5.2	-5.6	-6.5	-6.6	-5.9	-2.5	1.9	4.7	7.2	9.1	10.1	10.6	10.1	9.9	8.4	6.9	6.2	5.9	5.2	4.7	4.3	2.4
18	3.7	2.6	1.9	1.2	0.9	0.2	-0.2	-0.1	1.7	4.7	7.6	9.5	9.3	8.9	9	9.6	8.5	7.6	5.8	4	2.4	0.9	-0.7	-1.9	4
19	-2.7	-3.2	-3.8	-4.1	-4.8	-5.5	-6.3	-6.3	-3.8	-0.7	2	3.8	4.8	5.5	6.2	7.2	7.4	6.8	4.5	2.7	2	1.7	1.4	1.2	0.7
20	1.5	1.8	1.9	2.1	2.2	2.3	3	4.2	5.5	7.3	10	13.8	16.1	18.1	18.6	18.1	18	17.5	15.9	14.7	13.6	13.5	13.7	12.8	10.2
21	11.8	11.8	12.1	12.2	12.2	12.5	12.8	12.8	13.7	15.8	17.7	19.6	17.7	13.4	11.3	10.9	11.5	11.3	10.2	9.3	8.7	8.2	8.3	8.8	12.3
22	9.1	9.3	9.2	9	8.5	8.3	8.3	8.6	9.1	10	11.5	13.9	16.5	18.5	19.8	20.9	21.1	20.6	17.9	15.1	13.2	12	10.8	8.9	12.9
23	7.3	6	5.1	4.6	4.1	3.3	2.4	2.3	4.3	6.7	8.4	9.9	11	11.5	11.9	12.5	12.6	11.8	8.9	6	4.2	3.1	2.5	1.7	6.8
24	1	-0.1	-1.3	-2	-3.3	-3.9	-3.4	-2.5	0	3.1	5.8	8.2	10.2	11.7	12.6	13.5	13.8	11.9	8.6	6.2	5.1	4.7	4.3	4.1	4.5
25	3.9	4.2	4.5	4.4	4.4	4.4	4.5	4.5	4.5	5.3	6.2	7	8	8.6	9	8.5	8	8.2	9.2	10.4	11.4	12.6	13.7	14.2	7.5
26	14.4	14	13.4	12.7	11.5	9.9	8.5	7.6	7.4	7.9	9.6	12.2	13.9	15.3	16.3	16.2	15.1	13.7	11.3	9	7.5	6.4	5.6	5.3	11
27	5.1	4.6	4.2	3.7	3.4	3.2	3	2.9	4.3	7	11.3	14.6	16.6	18.2	18.4	17.9	17.8	16.7	13.1	9.9	8.3	8.3	8.6	8.5	9.6
28	8.3	7.9	7.4	6.5	5.4	4.5	3.9	4	5.9	8.4	10.7	12.7	14.3	15.4	16.2	17.1	16.8	14.1	10.1	7	5.4	4.7	4.1	3.2	8.9

Avg	2.2	2	1.8	1.6	1.4	1	0.6	0.5	1.7	3.9	6.1	8.1	9.3	10	10.3	10.5	10.3	9.2	7.1	5.5	4.5	3.8	3.2	2.8	4.9
S D	6.1	6.2	6.2	6.1	6	5.8	5.5	5.4	4.9	4.3	4.3	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.5	4.7	4.9	5.3	5.7	5.9	4.5
S/A	2.75	3.16	3.48	3.75	4.25	5.71	9.26	10.04	2.81	1.12	0.71	0.57	0.5	0.47	0.46	0.45	0.46	0.5	0.64	0.85	1.09	1.39	1.77	2.1	0.91
Min	-7	-7.7	-8.3	-8.8	-9.2	-9.7	-10.2	-10.6	-8.7	-5.6	-3	-1.2	-0.1	0.8	1.2	1.4	1.5	0.6	-0.9	-2.2	-3.6	-4.5	-5.4	-6.4	-3.8
Max	14.4	14	14.7	14.7	15	13	12.8	12.8	13.7	15.8	17.7	19.6	17.7	18.5	19.8	20.9	21.1	20.6	17.9	15.1	13.6	13.5	13.7	14.2	12.9
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 total measurements.

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

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

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

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

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1.1	1.3	0.4	0.1	0.6	1.7	0.9	0.3	0	1.2	1.3	1.5	0.6	0.6	0.1	0.8	3.1	3.1	1	0.8	1.5	1.9	2.5	1.7	1.2
2	0.9	2.1	1.8	1.9	1.7	1.4	1.9	2.2	1.5	0.7	0.5	1.1	1.1	1.3	1.9	1.4	1.6	1.9	2.3	3.3	5.2	5	4.3	3.1	2.1
3	3.5	3.3	3.5	3.5	3.3	2.6	2.3	2.9	2.9	4	4.1	4.7	4.8	4.8	5.2	4.7	4.1	2.8	1.6	2.5	2.7	2.2	3.1	3.2	3.4
4	3.3	3.4	3.6	2.8	2.6	2.2	1.7	1.9	2.8	3.5	3.6	4.7	4.8	6.8	7	6.6	5.6	5.3	3.8	3.4	3.5	3.5	3.3	2.4	3.8
5	2.8	2.3	2.7	3.3	2.2	2.5	2.2	1.7	2.2	3.9	4.6	3.9	4.3	4.2	3.9	3.9	3.8	3.8	2.8	2	1.7	1.6	0.9	1.4	2.9
6	1.5	1.3	1.5	1.5	1.6	1.5	1.4	1.5	2	3.1	3.1	3.7	3.8	3.7	3.8	3.9	3.3	2.1	0.9	1.1	1.5	1.7	2.5	1.8	2.2
7	2.3	2.8	3.4	3.3	2.8	2.7	1.9	2.2	2.8	3.5	5.2	5.2	5.2	5.8	4.8	4.1	3.1	1.7	1.9	1.9	1.4	0.4	0.2	0.4	2.9
8	0.7	0.2	0.7	0.6	1.1	0.9	1.2	1.5	1.4	1.8	3.6	4.4	4.6	4.9	3.8	3.4	3.2	2.8	1.5	1	0.4	0.2	0.3	0.5	1.9
9	0.2	0.4	0.7	1.5	2.2	2	2.4	3	2.9	3	4	3.1	2.7	2.3	2.2	2.2	1.6	1.3	0.6	1	0.6	0.1	0.4	0.1	1.7
10	0	0	0.7	0.8	1.4	1.4	1.7	1.2	2.4	2.8	1.9	1.5	2.4	2.4	2.2	2.8	2.4	1.1	0.5	0.5	0.1	0.2	0.2	0.2	1.3
11	0.1	1.1	1.7	2.5	3	2.6	2.4	2.5	2.4	2.6	2.9	2	1.2	2	2.4	2.6	2.1	2	1	1.2	0.9	1.7	1.6	1	1.9
12	0.8	0.4	0.3	1.2	0.7	0.9	1.5	0.8	0.1	0.2	0.8	1.5	1.9	2.5	2.5	3.2	3.4	2.5	2.1	1.9	1.9	0.7	0.1	0.5	1.4
13	1.5	1.6	1.8	1.9	1.8	1.8	1.8	1.9	2.5	3.4	4.2	3.9	4.2	4.2	3.9	4.1	3.5	3.5	2.9	2.5	1.8	1.5	3.9	5.9	2.9
14	5.9	4.3	2.9	2.9	6.2	7.5	6.6	6.3	6.5	6.3	5.6	5.9	5.3	5.1	5.1	4.2	3.3	3.3	4.5	4.7	5	3	3.4	4.1	4.9
15	2.2	2.4	2.6	2.2	2.6	2.2	1.7	1.7	3.2	3.1	3.2	3.3	2.3	1.7	1.9	2.1	1.7	1.3	0.8	0.6	1.2	0	2.3	1.7	2
16	1.2	1.8	2.6	2.2	2	2	1.8	1.6	2.1	2.7	3.3	3.3	3.7	3.6	3.6	3.9	3.7	2.5	1.7	1.4	1.5	0.6	1.1	0.9	2.3
17	1.7	1.7	1.5	1.3	0.7	1.1	1.2	0.7	1.4	3	3.7	3.8	4.2	4.4	4.5	3.8	4.3	2.8	2.1	2	2.2	2.8	2.8	2	2.5
18	1.2	1.5	1.4	1.7	1.4	1.8	1.6	1.9	2.3	3	3.9	3.8	4	3.2	2.5	2.2	3.4	3.7	5	4.1	5	4.5	3.5	3.4	2.9
19	3.5	2.4	3.9	2.4	2.4	1.8	1.6	1.8	2.1	2.5	2.7	3.5	4	4.2	3.5	3.6	3	2.8	1.3	1.5	1.8	2.7	3	2.7	2.7
20	2.7	2.7	3.3	3.1	2.5	3.4	3.9	3.9	3.9	4.7	5.9	6	5.9	6.2	6.1	5.3	5	4	3.5	2.5	4.1	5.1	3.6	2.6	4.2
21	2.9	3.4	4.3	4.1	5.1	5	3.7	2.4	2.6	3	1.9	1.9	3.3	2.5	2.4	2.6	2.6	2.7	2.2	2.4	2.1	1.7	1.6	0.6	2.8
22	1	0.5	0.8	1.2	1.1	0.6	0	0	0.9	2.6	4.1	5.4	6	7.1	7.8	7.6	7.7	6.2	4.6	3.4	3.9	4.1	4	3.6	3.5
23	2.9	2.9	4.2	4.7	4.4	3.2	2.9	2.6	3.6	5.5	4.9	5	5.2	5.6	4.8	4.9	4	2.9	2.1	1.5	1.7	2	2.5	2.6	3.6
24	2	1.1	1.7	1	1.3	2.2	2.3	1.6	2.5	4.5	3.9	3.4	2.8	2.7	2.8	1.8	2.7	1.3	0.1	0.3	0.9	0.1	0.4	0.3	1.8
25	0.3	1.4	0.8	0.2	0.5	1	2.1	2.2	1.9	2.7	4.1	4.1	4.4	4.8	2.4	3.6	3.1	4.6	6.3	4.1	3.3	3.8	2.8	1.8	2.8
26	4.4	3.5	3.2	2.7	3.2	2.5	1.3	1.2	1.9	2.3	2.4	2.6	2.7	2.2	1.4	1.5	0.9	1.9	2.2	2	1.4	1.6	1.3	2	2.2
27	1.9	1.7	0.9	0.8	0.8	0.6	0.4	0	0.6	0.9	1.6	2.4	1.5	1.4	2.7	3	2.4	2.8	2.8	2	2	2	1.1	1.2	1.6
28	1.8	1.8	3	2.8	2.4	2.3	2.4	2.9	3.3	4.2	4	3.4	3	2.6	1.4	2.1	2.9	2.7	1.7	1.6	2.1	1.7	0.8	1	2.4

Avg	1.9	1.9	2.1	2.1	2.2	2.2	2	1.9	2.3	3	3.4	3.5	3.6	3.7	3.5	3.4	3.3	2.8	2.3	2	2.2	2	2.1	1.9	2.6
SD	1.4	1.1	1.3	1.2	1.4	1.4	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.7	1.8	1.5	1.3	1.2	1.5	1.1	1.4	1.5	1.3	1.4	0.9
S/A	0.71	0.58	0.59	0.56	0.62	0.64	0.6	0.64	0.54	0.45	0.4	0.39	0.42	0.47	0.51	0.45	0.41	0.42	0.65	0.56	0.64	0.75	0.66	0.73	0.35
Min	0	0	0.3	0.1	0.5	0.6	0	0	0	0.2	0.5	1.1	0.6	0.6	0.1	0.8	0.9	1.1	0.1	0.3	0.1	0	0.1	0.1	1.2
Max	5.9	4.3	4.3	4.7	6.2	7.5	6.6	6.3	6.5	6.3	5.9	6	6	7.1	7.8	7.6	7.7	6.2	6.3	4.7	5.2	5.1	4.3	5.9	4.9
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 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**

**February 2007**

**Wind Direction**  
**Hourly and Daily Averages**  
**Instrument: NRG Vane**  
**Degrees from North**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	218	223	249	140	191	172	170	328	260	174	208	228	274	313	167	146	132	124	144	18	54	30	33	48	136
2	56	73	43	52	31	48	33	42	58	94	81	94	110	175	225	256	261	257	286	288	303	305	312	306	328
3	308	325	323	336	343	341	334	344	344	335	326	321	311	305	309	293	276	274	260	265	269	262	273	277	309
4	276	279	285	292	279	287	284	278	277	280	278	286	271	270	269	276	283	282	282	301	319	323	328	342	286
5	343	339	352	347	350	349	353	341	340	345	345	343	348	344	343	345	350	355	0	353	9	355	346	347	348
6	340	352	359	360	2	356	348	328	350	343	341	334	331	321	309	309	314	310	274	221	186	186	207	195	321
7	186	188	214	241	255	272	323	324	322	356	28	38	35	31	30	34	46	71	104	112	99	103	9	297	21
8	310	317	346	338	340	345	328	331	353	333	340	335	341	353	348	1	18	40	62	62	52	227	220	220	352
9	208	263	277	278	292	315	326	347	354	1	15	17	10	19	12	343	357	7	350	23	56	70	3	36	353
10	0	355	44	25	46	51	44	50	53	58	59	2	3	340	350	355	358	359	13	31	30	345	289	283	21
11	342	48	59	74	81	70	61	66	85	89	81	73	139	239	226	245	230	216	203	187	193	203	224	250	117
12	267	238	230	253	246	266	281	261	230	242	248	273	278	146	243	197	170	158	193	198	217	209	180	84	214
13	54	75	91	95	98	108	108	93	86	92	99	104	100	97	98	98	102	99	91	100	109	118	158	163	105
14	166	170	159	208	282	312	317	313	317	318	319	310	310	307	314	304	293	307	343	338	354	6	15	18	315
15	13	9	6	4	11	12	2	357	41	38	28	40	354	29	22	343	359	353	330	93	120	119	54	54	20
16	48	47	47	28	29	18	19	16	14	17	350	339	339	345	341	331	334	334	341	325	297	278	275	275	353
17	276	287	280	288	251	264	264	248	232	254	252	249	249	244	247	229	222	220	225	242	264	276	281	303	252
18	289	275	280	287	324	319	325	322	336	349	353	3	354	41	16	3	339	338	346	9	356	358	348	350	347
19	349	356	5	354	351	344	344	343	1	351	340	320	307	311	294	271	275	270	226	228	226	231	231	238	309
20	241	246	250	256	253	252	256	254	254	265	269	267	270	276	279	270	274	268	265	261	268	276	262	244	264
21	252	263	276	277	278	286	300	299	314	323	343	70	118	123	116	109	98	114	122	112	125	125	149	138	264
22	97	160	149	128	145	147	206	185	234	270	281	293	301	299	294	311	326	348	346	347	345	358	14	3	320
23	2	352	350	355	345	341	337	338	349	8	1	2	1	4	357	10	9	21	37	20	21	15	21	38	2
24	18	16	22	318	335	8	6	342	350	359	351	352	3	7	341	342	338	346	3	129	147	197	184	164	356
25	167	110	199	64	124	120	102	118	142	167	171	160	146	159	151	137	149	169	181	187	201	233	276	283	168
26	317	320	324	335	347	344	354	322	309	306	313	320	325	343	13	350	5	101	114	117	103	105	121	122	344
27	102	100	103	101	122	92	73	74	64	124	158	154	193	253	152	197	193	166	175	177	187	200	189	169	164
28	196	19	50	68	72	60	61	70	80	58	63	60	68	68	46	95	125	135	136	146	156	167	198	181	84

Avg	306	323	336	331	330	332	341	340	349	348	344	338	332	328	317	313	316	321	302	306	306	299	305	315	329
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 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**

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	2	2.1	1	0.4	1.3	2.6	1.6	0.6	0.2	2.3	2.5	2.6	1.3	1.4	0.4	1.5	5.3	5.4	2.2	2.1	2.9	3.5	4.6	3.4	2.2
2	2.3	3.9	3.9	4.1	3.6	3.3	3.8	4.3	3.4	2	1.8	2.6	2.4	2.6	3.4	2.7	3	3.3	4.1	5.3	8.7	8.1	7.1	5.2	4
3	6.2	6	5.9	7	6.9	5.3	4.4	5.3	6.1	7.6	7.3	7.9	7.6	8.2	8.4	7.7	6.2	4.5	2.7	4.1	4.2	3.3	4.9	4.9	5.9
4	4.9	5	5.4	4.4	3.7	3.4	2.6	2.8	4.6	5.4	5.7	7.7	7.9	10.9	11.4	10.8	8.8	8.1	5.5	5.4	5.9	6.4	5.9	4.7	6.1
5	5.5	4.2	5.4	7.1	4.7	5	4.4	3.4	4.6	7.9	8.8	8.3	8.2	8.4	7.9	7.5	7.9	7.5	6.1	4.3	3.6	3.5	2.3	3.1	5.8
6	2.9	2.8	3.6	3.2	3.8	3.4	3.1	3	4.2	6.1	6.3	6.9	7.1	6.5	6.5	6.6	5.7	3.6	1.8	2.2	2.4	2.8	4.3	3.2	4.2
7	3.5	4.5	5.5	5.6	4.8	4.4	3.4	4.1	5	6.6	9.8	8.8	9.1	9.8	8.3	7	5.1	3.2	3.3	3.3	2.2	1	0.5	0.8	5
8	1.4	0.7	1.3	1.3	2.3	2	2.3	3.1	3.1	3.9	7	7.8	8.9	9	7.8	6.6	5.9	4.8	2.9	2.2	1	0.4	0.7	1.1	3.6
9	0.6	0.8	1	2.1	3.3	3.4	4.2	5.7	5.9	6.4	7.5	6	5.8	4.5	5	4.4	3.6	2.9	1.7	2.3	1.5	0.6	0.8	0.2	3.3
10	0	0.3	1.6	1.9	2.7	2.5	3.2	2.5	4.1	4.9	3.7	3.7	5	5.1	4.8	5.5	4.9	2.9	1.4	1.1	0.5	0.6	0.5	0.4	2.7
11	0.3	1.9	2.8	4.1	5.1	4.6	4	4.3	4.1	4.5	4.7	3.7	2.7	3.6	3.9	4.6	3.8	3.2	1.8	2.1	1.8	2.7	2.7	1.8	3.3
12	1.3	1	1	1.8	1.4	1.4	1.9	1.4	0.8	0.9	1.9	2.8	3.7	4.1	4.6	5.1	5.3	4	3.5	3.2	3.3	1.5	0.6	1	2.4
13	2.4	2.7	3	3.2	2.9	3.2	3.1	3.2	4.4	5.6	6.6	6.7	6.8	6.7	6.3	6.3	5.3	5.3	4.5	3.9	3.2	2.9	6.6	9.6	4.8
14	9.4	7.4	5.2	5.3	10.5	11.5	11	9.9	10.9	10.8	8.9	9.5	8.4	8	8.2	7	5.1	5.3	8.5	9.1	10.1	6.2	6.6	8	8.4
15	4.7	5	5.5	4.6	5.1	4.9	3.5	3.6	5.9	6.1	5.9	6.3	4.6	4	4.1	4.5	3.6	3	1.7	1.3	2	0.2	4.1	3	4
16	2.2	3.1	4.6	4.2	3.6	4.2	3.6	3.2	4	5.2	6.4	6.4	7.2	7	7.1	7.1	7	4.8	3.6	2.8	2.4	1.2	1.6	1.3	4.3
17	2.3	2.4	2.1	1.9	1.2	1.7	1.8	1.4	2.5	4.9	5.9	6.1	6.8	7	7.5	6.3	7	4.6	3.6	3.4	3.4	4.3	3.9	3	4
18	1.9	2.2	2.1	2.5	2.6	3.1	3	3.2	4.6	6.2	7.6	7.5	7.8	5.7	5	5.1	7.3	7.7	9.9	8.3	10.5	9.2	7.1	7.3	5.7
19	7.2	5.4	7.6	5.4	5.3	3.5	3.4	3.9	4.5	4.9	5.4	6.7	7.1	7	6.2	6	5	4.2	2.3	2.5	3.1	4.5	4.8	4.6	5
20	4.3	4.5	5.4	5.2	3.8	5.5	6.3	6.5	6.6	7.6	9.3	9.8	9.6	10	9.9	8.4	8	6.5	5.8	4	6.7	7.7	5.7	4	6.7
21	4.6	5.4	6.7	6.2	7.6	7.2	5.7	3.8	4.6	5.3	3.6	3.5	5.2	4.3	4.4	4.6	4.3	4.4	3.6	3.9	3.4	2.9	2.6	1.5	4.5
22	2.1	1.4	1.7	2.4	2.3	1.8	0.2	0.1	2.3	4.4	6.5	8.4	9.9	11.1	12.4	12.9	13.3	12.7	9.3	6.8	7.7	8.2	7.5	7.2	6.4
23	5.9	5.5	8.4	9.5	8.5	6.1	5.7	5.3	7	10.4	10	10.4	9.9	10.9	9.7	9.3	7.4	5.9	3.7	3	3.1	3.8	4.4	4.5	7
24	4.2	2.4	3.3	1.6	2.2	4.3	4.6	3.5	5.4	9.1	7.6	6.9	5.9	5.9	5.5	4.3	5.2	2.8	0.3	0.6	1.6	0.3	1	0.7	3.7
25	0.8	2.5	1.5	0.6	1	1.8	3.3	3.7	3.2	4.4	6.3	6.6	7.2	7.9	4.1	6	5.2	7.1	9.9	7	5.7	6.3	5.8	3.4	4.6
26	7.6	6.4	6.4	5.8	6.7	5.8	3	2.5	3.1	4	4.4	4.5	4.6	4.3	3.1	3.1	2.4	3.2	3.6	3.4	2.5	2.8	2.2	3.3	4.1
27	3.1	2.9	1.8	1.7	1.8	1.3	1.1	0.2	1.8	2.3	3	4	3.3	2.8	4.8	4.8	3.8	4.3	4.1	3.1	3.3	3.1	2	2.5	2.8
28	3.1	3.6	5	5	4.3	4	4.4	5.2	5.8	7.1	6.9	6	5.4	5.2	3.1	3.5	4.8	4.4	3	2.7	3.2	2.7	1.5	1.7	4.2

Avg	3.5	3.4	3.9	3.9	4	4	3.7	3.6	4.4	5.6	6.1	6.4	6.4	6.5	6.2	6	5.7	5	4.1	3.7	3.9	3.6	3.7	3.4	4.6
S D	2.3	1.9	2.2	2.2	2.3	2.1	2	2	2.1	2.4	2.3	2.2	2.3	2.7	2.7	2.4	2.2	2.2	2.6	2.1	2.6	2.6	2.3	2.4	1.5
S/A	0.68	0.54	0.56	0.57	0.58	0.53	0.54	0.56	0.47	0.42	0.37	0.35	0.36	0.41	0.44	0.4	0.38	0.43	0.63	0.56	0.67	0.73	0.64	0.71	0.32
Min	0	0.3	1	0.4	1	1.3	0.2	0.1	0.2	0.9	1.8	2.6	1.3	1.4	0.4	1.5	2.4	2.8	0.3	0.6	0.5	0.2	0.5	0.2	2.2
Max	9.4	7.4	8.4	9.5	10.5	11.5	11	9.9	10.9	10.8	10	10.4	9.9	11.1	12.4	12.9	13.3	12.7	9.9	9.1	10.5	9.2	7.5	9.6	8.4
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 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**

**February 2007**

**Station Pressure**  
**Hourly and Daily Averages**  
**Instrument: Viasala PTA-427**  
**Millibars**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1020	1020	1020	1019	1018	1017	1017	1018	1018	1018	1018	1017	1016	1015	1013	1013	1011	1009	1010	1010	1008	1007	1006	1005	1014
2	1005	1003	1004	1003	1003	1003	1004	1004	1004	1004	1004	1004	1002	1001	1001	1001	1002	1002	1002	1004	1005	1006	1007	1008	1004
3	1009	1009	1010	1011	1012	1013	1014	1016	1017	1017	1018	1017	1016	1015	1015	1016	1016	1017	1017	1018	1018	1019	1019	1019	1015
4	1020	1020	1020	1021	1021	1021	1022	1022	1022	1022	1021	1019	1018	1016	1015	1014	1014	1014	1015	1016	1017	1017	1018	1018	1018
5	1019	1019	1020	1021	1021	1022	1023	1023	1024	1024	1024	1024	1023	1022	1022	1022	1023	1024	1025	1025	1025	1026	1026	1026	1023
6	1026	1026	1026	1026	1026	1026	1027	1028	1028	1028	1028	1028	1027	1025	1024	1023	1022	1022	1022	1021	1020	1018	1017	1017	1024
7	1016	1014	1012	1010	1009	1009	1009	1011	1012	1013	1014	1015	1015	1014	1014	1015	1016	1016	1017	1017	1017	1017	1018	1018	1014
8	1017	1017	1017	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1016	1016	1016	1016	1016	1017	1018	1018	1018	1018	1018	1017
9	1016	1016	1016	1016	1015	1016	1017	1017	1018	1018	1017	1017	1016	1015	1015	1015	1015	1016	1017	1017	1016	1016	1017	1016	1016
10	1016	1017	1016	1016	1016	1017	1017	1017	1018	1018	1018	1017	1016	1016	1015	1016	1016	1017	1018	1019	1020	1020	1020	1020	1017
11	1021	1021	1022	1022	1022	1023	1024	1025	1025	1026	1025	1025	1024	1024	1023	1023	1022	1023	1023	1024	1024	1024	1024	1024	1023
12	1024	1023	1023	1023	1023	1023	1024	1024	1025	1025	1025	1024	1023	1022	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1022
13	1018	1018	1018	1017	1017	1017	1018	1018	1018	1018	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1007	1005	1003	1001	1014
14	999	996	994	992	991	992	993	995	995	996	996	996	996	996	997	997	999	1001	1003	1005	1006	1007	1008	1008	998
15	1009	1010	1011	1011	1011	1012	1013	1014	1015	1015	1015	1015	1015	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1013
16	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1014	1013	1012	1012	1012	1012	1013	1014	1014	1015	1015	1015	1014	1014
17	1015	1015	1015	1015	1014	1015	1015	1015	1015	1015	1015	1014	1012	1011	1010	1009	1008	1008	1007	1007	1007	1007	1007	1007	1011
18	1007	1006	1006	1005	1005	1006	1006	1007	1008	1008	1008	1007	1007	1006	1006	1006	1007	1009	1010	1012	1013	1014	1015	1008	
19	1016	1017	1017	1018	1019	1021	1022	1023	1024	1025	1025	1024	1024	1023	1022	1021	1021	1021	1021	1020	1020	1020	1020	1019	1021
20	1019	1019	1018	1018	1018	1017	1017	1017	1016	1016	1015	1013	1012	1010	1010	1009	1008	1008	1008	1008	1008	1008	1008	1007	1013
21	1007	1007	1007	1007	1006	1007	1008	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011	1012	1011	1009
22	1011	1011	1010	1009	1009	1008	1008	1008	1008	1007	1007	1005	1004	1001	999	999	999	1001	1003	1004	1005	1006	1007	1007	1006
23	1008	1008	1009	1009	1010	1011	1011	1012	1014	1014	1015	1015	1014	1014	1014	1015	1015	1016	1017	1018	1018	1019	1019	1019	1014
24	1019	1019	1019	1019	1019	1020	1020	1020	1021	1022	1021	1021	1021	1020	1020	1019	1019	1020	1020	1020	1021	1021	1021	1020	1020
25	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1018	1017	1016	1014	1014	1011	1010	1007	1006	1005	1004	1002	1002	1002	1014
26	1002	1003	1003	1003	1004	1005	1006	1007	1008	1008	1008	1008	1008	1007	1007	1007	1007	1007	1008	1008	1009	1010	1010	1010	1007
27	1010	1010	1010	1010	1010	1010	1011	1012	1013	1013	1013	1012	1011	1011	1011	1011	1011	1012	1013	1013	1013	1013	1013	1014	1012
28	1013	1014	1014	1015	1016	1016	1017	1018	1019	1020	1020	1020	1019	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1019	1018

Avg	1014	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1015	1015	1014	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014
SD	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	7	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	996	994	992	991	992	993	995	995	996	996	996	996	996	996	997	997	999	1001	1003	1004	1002	1002	1001	998
Max	1026	1026	1026	1026	1026	1027	1028	1028	1028	1028	1028	1027	1025	1024	1023	1023	1023	1024	1025	1025	1025	1026	1026	1026	1024
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 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**

**February 2007**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.4	12.4	12.6	12.8	12.9	12.9	12.8	12.7	12.5	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5
2	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.6	13.1	13.2	13.2	13.1	13	12.9	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.7
3	12.5	12.5	12.5	12.4	12.4	12.4	12.4	13	13.9	13.8	13.8	13.8	13.7	13.7	13.8	13.8	13.3	12.8	12.7	12.7	12.7	12.6	12.6	12.6	13	
4	12.6	12.6	12.6	12.6	12.6	12.6	12.5	13.1	13.9	13.9	13.8	13.7	13.7	13.7	13.7	13.6	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13.1	
5	12.6	12.5	12.5	12.5	12.5	12.5	12.5	13.5	14	14	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13	12.7	12.6	12.6	12.6	12.5	12.5	13.1	
6	12.5	12.5	12.5	12.4	12.4	12.4	12.4	13.6	14.2	14.1	14	14	14	14	14	14	13.8	12.8	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
7	12.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	13.3	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13	12.7	12.6	12.6	12.6	12.6	12.6	13	
8	12.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13	13.5	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13	12.7	12.6	12.6	12.6	12.6	12.5	13	
9	12.5	12.5	12.5	12.5	12.4	12.4	12.4	13	14	13.9	13.9	13.8	13.8	13.8	13.7	13.7	13.5	12.8	12.7	12.7	12.6	12.6	12.6	12.6	13	
10	12.5	12.5	12.5	12.5	12.5	12.5	12.4	13.5	14	13.9	13.9	13.8	13.7	13.7	13.7	13.7	13.8	13	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
11	12.5	12.5	12.5	12.5	12.5	12.5	12.4	13.5	14	13.9	13.9	13.8	13.7	13.7	13.7	13.7	13.8	13	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
12	12.6	12.6	12.5	12.5	12.5	12.5	12.4	13	13.9	13.8	13.7	13.6	13.6	13.5	13.5	13.5	13.5	12.9	12.7	12.7	12.7	12.7	12.7	12.7	13	
13	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.8	12.7	13.2	13.5	13.6	13.3	13.6	12.9	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.8	
14	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.5	12.8	13.7	13.8	13.8	13.8	13.8	13.7	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13	
15	12.5	12.5	12.5	12.4	12.4	12.4	12.4	13.6	14	14	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
16	12.6	12.5	12.5	12.5	12.5	12.5	12.4	12.7	14	14	13.9	13.9	13.9	13.9	13.8	13.9	13.9	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
17	12.6	12.5	12.5	12.5	12.5	12.4	12.4	13.8	14	13.9	13.9	13.8	13.7	13.7	13.7	13.8	13.4	12.8	12.7	12.7	12.7	12.7	12.6	12.6	13.1	
18	12.6	12.6	12.6	12.5	12.5	12.5	12.5	13.3	13.9	13.8	13.8	13.7	13.8	13.8	13.7	13.8	13.6	12.9	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
19	12.5	12.5	12.5	12.5	12.5	12.4	12.4	13.8	14	14	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.1	12.7	12.7	12.7	12.6	12.6	12.6	13.1	
20	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.5	13.1	13.7	13.7	13.6	13.5	13.5	13.5	13.5	13.5	12.9	12.7	12.7	12.7	12.7	12.7	12.7	13	
21	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.5	13.5	13.5	13.2	13.4	13.7	13.7	13.6	13.2	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13	
22	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.6	12.9	13.5	13.6	13.5	13.5	13.4	13.4	13.2	12.9	12.7	12.7	12.7	12.7	12.6	12.6	12.9	
23	12.6	12.6	12.6	12.5	12.5	12.5	12.5	13.7	13.8	13.8	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1	
24	12.6	12.5	12.5	12.5	12.4	12.4	12.5	13.9	13.9	13.9	13.8	13.7	13.7	13.7	13.6	13.6	13.7	12.9	12.7	12.7	12.7	12.7	12.6	12.6	13.1	
25	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.7	13.1	13.2	13.7	13.6	13.4	12.8	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.8	
26	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13	13.5	13.7	13.6	13.6	13.5	13.5	13.6	13.5	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.9	
27	12.6	12.6	12.6	12.6	12.5	12.5	12.5	13	13.8	13.8	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13	12.7	12.7	12.7	12.6	12.6	12.6	13	
28	12.6	12.6	12.6	12.6	12.5	12.5	12.5	13.7	13.8	13.7	13.7	13.6	13.6	13.6	13.5	13.5	13.6	13.1	12.7	12.7	12.6	12.6	12.6	12.6	13.1	

Avg	12.6	12.5	12.5	12.5	12.5	12.5	12.5	13	13.5	13.6	13.7	13.7	13.6	13.6	13.6	13.4	12.9	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13
S D	0	0	0	0.1	0.1	0.1	0.1	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.2	0.1	0	0	0	0	0	0.1
S/A	0	0	0	0	0	0	0	0.04	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.01	0	0	0	0	0	0.01	
Min	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.6	12.8	12.9	12.9	12.8	12.7	12.5	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5
Max	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.9	14.2	14.1	14	14	14	14	14	14	13.9	13.1	12.7	12.7	12.7	12.7	12.7	12.7	13.1
n	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	8064

Data Recovery: 0.0% missing; 0.0% untested; 0.0% failed QC -- 8064 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.