

February 2011

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	14	71	146	222	429	582	475	426	239	53	9	0	0	0	0	0	0	2669
2	0	0	0	0	0	0	0	9	29	82	107	221	366	389	390	220	72	12	0	0	0	0	0	0	1898
3	0	0	0	0	0	0	0	25	131	201	407	370	354	419	277	139	34	4	0	0	0	0	0	0	2360
4	0	0	0	0	0	0	0	9	38	173	121	210	127	154	95	52	15	3	0	0	0	0	0	0	998
5	0	0	0	0	0	0	0	11	31	38 ?	59 ?	66 ?	59 ?	?	94	122	44	3	0	0	0	0	0	0	527 ?
6	0	0	0	0	0	0	0	47	218	400	538	624	646	500	496	338	149	28	0	0	0	0	0	0	3984
7	0	0	0	0	0	0	0	29	127	290	224	345	376	246	89	53	10 ?	2	0	0	0	0	0	0	1790
8	0	0	0	0	0	0	0	56	226	404	546	636	653	650	513	340	161	29	0	0	0	0	0	0	4215
9	0	0	0	0	0	0	0	59	239	422	561	646	664	614	506	353	163	27	0	0	0	0	0	0	4254
10	0	0	0	0	0	0	0	3	?	49 ?	76	233	511	677 ?	617	493 ?	218	40	0	0	0	0	0	0	2916 ?
11	0	0	0	0	0	0	1	84	274	438	580	674	344	200	184	68	31	9	0	0	0	0	0	0	2885
12	0	0	0	0	0	0	4	103	277	438	579	665	688	644	533	374	178	33	0	0	0	0	0	0	4516
13	0	0	0	0	0	0	5	63	241	426	576	632	675	633	462	350	128	34	0	0	0	0	0	0	4225
14	0	0	0	0	0	0	5	70	255	444	579	669	691	646	536	370	173	34	0	0	0	0	0	0	4472
15	0	0	0	0	0	0	3	76	270	462	610	703	701	667	559	386	159	47	0	0	0	0	0	0	4644
16	0	0	0	0	0	0	6	72	258	471	564	679	492	584	553	350	176	33	0	0	0	0	0	0	4238
17	0	0	0	0	0	0	5	79	275	465	569	626	601	578	415	154	138	30	0	0	0	0	0	0	3938
18	0	0	0	0	0	0	8	71	241	418	532	639	668	514	469	360	168	33	0	0	0	0	0	0	4121
19	0	0	0	0	0	0	5	91	292	479	626	715	734	686	574	408	207	45	0	0	0	0	0	0	4861
20	0	0	0	0	0	0	6	91	298	491	623	718	741	686	570	432	186	52	0	0	0	0	0	0	4895
21	0	0	0	0	0	0	5	71	234	373	524	598	630	549	355	242	144	29	0	0	0	0	0	0	3754
22	0	0	0	0	0	0	1	4 ?	29 ?	56	132	203	133	170	159	105	46	11	0	0	0	0	0	0	1049
23	0	0	0	0	0	0	7	97	239	489	629	714	740	683	570	405	206	45	0	0	0	0	0	0	4823
24	0	0	0	0	0	0	10	96	289	379	495	603	421	389	481	297	99	10	0	0	0	0	0	0	3570
25	0	0	0	0	0	0	3	26	77	250	95	177	465	672	474	299	157	25	0	0	0	0	0	0	2720
26	0	0	0	0	0	0	19	104	296	432	615	671	678	638	159	97	95	44	0	0	0	0	0	0	3848
27	0	0	0	0	0	0	5	95	324	477	656	702	724	405	304	289	162	26	0	0	0	0	0	0	4170
28	0	0	0	0	0	0	11	81	168	267	463	433	324	289	385	165	71	27	0	0	0	0	0	0	2682

Avg	0	0	0	0	0	0	4	58	202	338	440	521	528	509	402	268	123	26	0	0	0	0	0	0	3394
S D	0	0	0	0	0	0	4	34	97	152	208	206	201	174	166	129	64	15	0	0	0	0	0	0	1258
S/A	0	0	0	0	0	0	1.14	0.58	0.48	0.45	0.47	0.4	0.38	0.34	0.41	0.48	0.52	0.58	0	0	0	0	0	0	0.37
Min	0	0	0	0	0	0	0	3	29	38	59	66	59	154	89	52	10	2	0	0	0	0	0	0	527
Max	0	0	0	0	0	0	19	104	324	491	656	718	741	686	617	493	218	52	0	0	0	0	0	0	4895
n	0	0	0	0	0	0	51	327	321	325	324	327	330	320	335	331	324	231	0	0	0	0	0	0	3548

Daylight Data Recovery: 0.0% missing; 0.0% untested; 2.5% exceed the 15% QC threshold -- 3638 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31392F3 Calibration Factor: 7.3961 μV/W/m² Calibration Date: 07/2007

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 2011

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	*
2	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
3	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
4	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
5	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
6	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
7	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
8	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
9	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
10	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
11	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
12	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
13	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
14	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
15	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
16	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
17	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
18	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
19	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
20	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
21	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
22	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
23	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
24	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
25	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
26	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
27	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
28	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*

Avg	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	N/A	*
SD	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
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	N/A	0
Max	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	N/A	0
n	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

Daylight Data Recovery: 100.0% missing; 0.0% untested; 0.0% exceed the 15% QC threshold -- 3638 total daylight measurements.

Instrument: Eppley NIP Serial Number: 23398E6 Calibration Factor: 7.1447 μV/W/m² Calibration Date: 07/2007

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 2011

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	16	71	146	222	280	139	145	101	75	39	9	0	0	0	0	0	0	1243
2	0	0	0	0	0	0	0	9	29	77	107	220	333	314	227	170	71	12	0	0	0	0	0	0	1570
3	0	0	0	0	0	0	0	25	128	164	280	337	329	319	246	137	34	4	0	0	0	0	0	0	2002
4	0	0	0	0	0	0	0	9	38	163	121	210	127	154	95	47	15	3	0	0	0	0	0	0	983
5	0	0	0	0	0	0	0	12	31	34 ?	36 ?	56 ?	47	33 ?	94	122	41	3	0	0	0	0	0	0	509 ?
6	0	0	0	0	0	0	0	15	38	49	57	65	69	111	65	51	35	14	0	0	0	0	0	0	568
7	0	0	0	0	0	0	0	29	120	224	224	238	284	243	89	53	11	2	0	0	0	0	0	0	1516
8	0	0	0	0	0	0	0	25	49	60	89	148	92	149	54	47	33	11	0	0	0	0	0	0	758
9	0	0	0	0	0	0	0	18	39	49	54	65	73	77	69	53	39	15	0	0	0	0	0	0	550
10	0	0	0	0	0	0	0	2	15 ?	45 ?	67	88	95	86	73	50 ?	30	9	0	0	0	0	0	0	561
11	0	0	0	0	0	0	1	21	46	52	57	65	284	199	178	68	28	9	0	0	0	0	0	0	1008
12	0	0	0	0	0	0	?	22	44	50	59	63	65	65	62	50	36	12	0	0	0	0	0	0	529
13	0	0	0	0	0	0	?	28	52	58	66	99	103	65	146	172	68	25	0	0	0	0	0	0	882
14	0	0	0	0	0	0	5	22	46	64	59	61	61	60	60	60	45	17	0	0	0	0	0	0	560
15	0	0	0	0	0	0	4 ?	22	42	49	53	54	65	97	60	56	52	22	0	0	0	0	0	0	577
16	0	0	0	0	0	0	6 ?	35	70	145	176	114	151	233	146	77	52	12	0	0	0	0	0	0	1218
17	0	0	0	0	0	0	6 ?	33	66	80	98	145	208	276	139	137	109	27	0	0	0	0	0	0	1324
18	0	0	0	0	0	0	10 ?	43	81	96	114	134	126	196	127	82	60	21	0	0	0	0	0	0	1089
19	0	0	0	0	0	0	5 ?	22	41	50	55	58	61	62	61	53	38	15	0	0	0	0	0	0	521
20	0	0	0	0	0	0	6 ?	24	48	85	129	68	65	57	52	87	44	30	0	0	0	0	0	0	695
21	0	0	0	0	0	0	7 ?	63	141	203	256	293	300	283	271	210	118	26	0	0	0	0	0	0	2171
22	0	0	0	0	0	0	1	6	26	56	132	203	133	170	159	105	46	11	0	0	0	0	0	0	1048
23	0	0	0	0	0	0	8 ?	48	169	64	67	73	76	77	76	69	53	21	0	0	0	0	0	0	800
24	0	0	0	0	0	0	9 ?	39	72	235	317	270	394	363	381	243	96	10	0	0	0	0	0	0	2430
25	0	0	0	0	0	0	3	26	77	217	85	177	257	125	173	139	58	22	0	0	0	0	0	0	1360
26	0	0	0	0	0	0	17 ?	42	85	179	178	238	232	314	159	97	91	33	0	0	0	0	0	0	1668
27	0	0	0	0	0	0	6	60	133	217	174	151	324	312	249	193	70	24	0	0	0	0	0	0	1912
28	0	0	0	0	0	0	13	70	142	227	333	318	290	259	272	163	71	27	0	0	0	0	0	0	2184

Avg	0	0	0	0	0	0	4	28	69	112	131	153	171	173	139	102	53	16	0	0	0	0	0	0	1151
S/D	0	0	0	0	0	0	5	17	41	70	87	92	109	101	85	57	26	9	0	0	0	0	0	0	585
S/A	0	0	0	0	0	0	1.14	0.61	0.6	0.63	0.66	0.6	0.64	0.59	0.61	0.55	0.49	0.55	0	0	0	0	0	0	0.51
Min	0	0	0	0	0	0	0	2	15	34	36	54	47	33	52	47	11	2	0	0	0	0	0	0	509
Max	0	0	0	0	0	0	17	70	169	235	333	337	394	363	381	243	118	33	0	0	0	0	0	0	2430
n	0	0	0	0	0	0	37	328	332	328	332	328	335	333	335	333	336	231	0	0	0	0	0	0	3588

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.4% exceed the 15% QC threshold -- 3638 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31393F3 Calibration Factor: 7.6820 μV/W/m² Calibration Date: 07/2007

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 2011

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	2.9	2.6	2	1.7	1.6	1.4	1.3	1	1.2	1.6	2.4	4.1	7.5	9.4	10.7	10.2	8.7	7.2	6.4	6.1	5.2	5.8	6.1	6.7	4.8
2	8.5	9.9	12	14.2	15.7	15.6	16.2	16.8	16.9	17.2	17.8	18.7	20	20.9	22.2	22.7	22.2	21.1	19.2	17.6	16.6	15.8	14.4	12.6	16.9
3	11.3	10	6.4	4.6	3.6	2.9	2.6	2.4	2.3	2.6	3.9	4.5	4.4	4.8	4.8	4.6	4.2	3.5	3.1	2.2	1.8	1.8	1.8	1.9	4
4	2	2	2	2.1	2.2	2.2	2.2	2.2	2.5	2.7	3	3.4	3.8	4.2	4.2	4	3.3	2.2	2.1	2.1	2.1	2.2	2.6	3.1	2.7
5	3.6	4.3	5.2	5.9	5.8	6	6.3	6.5	7	7.5	7.4	8	8.8	9.4	11.4	14.1	15.7	15.6	14.2	12.6	11.2	10.3	9.8	9.4	9
6	9	8.6	8.2	7.4	6.6	5.6	4.6	4.2	5.9	7.2	8.1	8.8	9.3	9.3	9.8	9.6	9.2	6.8	5.3	4.7	4.4	4	4	3.9	6.8
7	3.8	3.3	3.4	3.2	3.4	3.7	3.7	4.1	4.8	7.1	8.2	9.1	10.1	10.6	10.3	9.6	9.4	9.2	8.2	7.7	7	6.8	6.9	7	6.7
8	7	7	6.9	6.9	6.9	6.5	6.1	6	6.7	7.9	8.9	10	10.4	10.9	11	11.1	10.3	8.5	6.9	5.4	3.7	3.1	2.4	2	7.2
9	0.7	0	-0.7	-1	-1.6	-1.8	-2.2	-2.1	-0.9	0.1	1	1.3	2.1	2.6	3.6	4.5	3.6	2.7	1.8	1.6	1.5	0.7	0.5	0.5	0.8
10	0.4	0.1	-0.1	-0.5	-0.8	-0.9	-0.9	-1	-1	-1.3	-1.4	-0.6	-0.1	0.7	1.1	1.4	1.3	0.4	-0.5	-0.9	-1.2	-2.3	-2.8	-3.2	-0.6
11	-3.1	-1.7	-2.3	-3.4	-1.6	-1.1	-1.9	-2.8	0.2	3.4	4.5	4.7	5.2	5.2	5.1	4.5	3.9	3.1	2.8	2.9	2.9	2.8	2.5	2.1	1.6
12	0.5	-0.4	-1.2	-1.3	-1.5	-1.6	-1.4	-0.8	1.3	3.9	6.2	7.8	9.2	10.2	11.2	11.8	11.7	10.8	9.1	8.2	7.3	6.7	7	6.1	5
13	5.1	3.9	2.9	2.1	1.2	0.4	-0.1	0.8	3.9	6.3	8	9.6	10.6	11.5	12.5	13.2	12.9	12	10.7	9.9	9.3	8.8	8.4	8	7.2
14	6.8	6.7	6.5	6.3	6.7	6.7	5.8	6.1	7.9	10.4	12.2	14.3	16.3	17.6	18.8	19.3	19.6	18.3	16.7	16.1	16	14.9	12.4	10.9	12.2
15	10	9.1	8.1	7.9	7.3	5.9	4.7	5.4	6.2	6.9	7.8	9	9.3	9.5	10.1	10	8.8	7	5.2	4	3.4	3	3	3	6.9
16	2.8	2.5	2.2	1.8	2.4	2.3	0.5	2.3	4.9	6.9	9.4	10.7	12	12.9	13.9	13.8	14	13.3	10.8	9.5	8.8	8.6	8.3	7.9	7.6
17	7.7	7.7	7.7	7.6	7.3	6.9	6.6	7.3	9.9	13.2	15.9	17.7	18.7	19.3	19.9	19.1	19.2	17.8	16.1	15.5	14.7	14.6	14.2	13.5	13.3
18	13.3	13	13	13.1	13.7	13.9	13.7	13.7	15.1	16.8	18.3	20.2	21.1	21.8	22.3	23.1	23.2	22.2	20.6	19.8	19.3	18.6	18.5	17.5	17.7
19	16.3	15.7	15.2	14.4	13.3	11.7	10.8	11.4	12.5	14.2	15.4	17	18.2	18.5	18.5	19	19.1	17.8	15.7	14.6	14.1	13.4	12.3	11.2	15
20	10	9.1	8	7.2	6	5	4.7	4.4	5.2	6	7.3	8.6	9.9	11.3	12.3	12.1	12.2	10.4	7.4	7.3	7.2	7.3	7.4	7.6	8.1
21	7.8	8	8.2	8.6	9	9.9	10.6	11.4	13.4	14.7	17	19.3	20.9	22.1	22.5	22.6	22.4	21.6	15.2	11.7	7.6	6.7	6.5	6.4	13.5
22	6.4	5.9	5.6	4.8	3.2	2.4	2.6	2.6	2	1.9	2.1	2.8	2.6	2.2	2.2	2.3	1.9	1.6	1.4	0.6	0.2	0.1	-0.1	-0.6	2.4
23	-1.1	-1.3	-1.3	-1.4	-1.2	-0.7	-0.5	0.4	1.7	3.9	5.8	7.1	8	8.9	9.5	9.2	7.7	6	4.2	3.5	3.2	2.9	3.1	3.3	3.4
24	3.2	3.4	3.3	3.2	2.4	2.5	3.3	4.5	6.8	8.8	10.3	11.8	13	13.2	13.7	14.1	13.7	11.9	12.1	12.3	11.7	11.1	11.8	12	8.9
25	13.5	14.7	15.5	15.1	14.9	15.2	15.7	16.2	16.8	18.1	18.6	18	18.8	20.7	21.6	22	21.6	20.6	17.2	14.3	12.7	11.1	9.6	7.7	16.3
26	5.9	4.9	4.3	3.7	3.3	2.9	2.7	3.5	5.5	6.5	7.7	8.1	9.1	10.1	9.9	9	7.9	7.3	7.2	7.7	7.3	6.8	6.4	6.4	6.4
27	6.6	7.5	8.2	9.4	9.5	9.4	9.4	9.5	11.3	14.7	17.5	19.6	21.6	22	22.2	22.9	23	18.2	15.5	14.5	14.3	15.8	16.3	16.2	14.8
28	15.8	15.6	15.7	15.2	14.8	14.4	14	15.2	17.1	18.8	21.3	22.4	23.1	23.4	25.2	25.5	24.6	22.1	21.1	20.3	15.4	14.6	14.2	14.2	18.5

Avg	6.3	6.2	5.9	5.7	5.5	5.3	5	5.4	6.7	8.1	9.4	10.6	11.6	12.3	12.9	13	12.7	11.4	9.8	9	8.1	7.7	7.4	7	8.5
S D	5	5	5.1	5.3	5.3	5.3	5.4	5.5	5.5	5.8	6.1	6.4	6.6	6.8	6.9	7.1	7.3	7	6.4	6.1	5.7	5.6	5.4	5.2	5.5
S/A	0.79	0.81	0.87	0.94	0.97	1	1.07	1.02	0.83	0.71	0.65	0.6	0.57	0.55	0.54	0.54	0.57	0.62	0.65	0.67	0.7	0.72	0.73	0.74	0.65
Min	-3.1	-1.7	-2.3	-3.4	-1.6	-1.8	-2.2	-2.8	-1	-1.3	-1.4	-0.6	-0.1	0.7	1.1	1.4	1.3	0.4	-0.5	-0.9	-1.2	-2.3	-2.8	-3.2	-0.6
Max	16.3	15.7	15.7	15.2	15.7	15.6	16.2	16.8	17.1	18.8	21.3	22.4	23.1	23.4	25.2	25.5	24.6	22.2	21.1	20.3	19.3	18.6	18.5	17.5	18.5
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.

February 2011

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	103.2	104.2 ?	?	?	?	?	?	?	?	?	?	?	98.5	94.6	89.8	92	96.3	100.5	102.2	104	?	?	?	?	98.5 ?
2	?	?	?	?	104 ?	102.4	99.4	99	99.1	100.6	100.9	99	92.2	85.6	80.8	72.7	56.4	50.2	54.2	55.9	58.1	54.8	49	49.2	78.2 ?
3	53.1	47.3	72.6	74.2	76.1	76.3	72.4	65.9	61.5	61.5	59	57.4	55.5	54.2	53.8	54.5	57.9	62	64	70.6	73.4	72.7	73.7	75.7	64.4
4	78.7	79.5	81.3	81	79.4	77.7	82.4	82.5	82.3	84.5	82.3	77	76	74	74.8	82.3	95.5	103.4	104.8 ?	?	?	?	?	?	83.1 ?
5	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	104.1 ?	102.7	96.9	94.6	93.6	95.6	95.4	95.1	97.2 ?
6	95.9	96.4	96.4	97.7	98	98.3	99.3	99.3	88.7	78.7	78.5	74.7	73	74.5	73.7	71.9	73.8	84.6	90.9	98	100.4	102.1	103.7	104.7	89.7
7	?	?	?	?	?	?	?	?	?	102.3 ?	100.4	95.8	92.8	92.6	91.7	95.9	97.4	98.7	103.4 ?	?	?	?	?	?	97.1 ?
8	?	?	?	104.7 ?	103.6	102.8	101.3	99.8	94.8	85.8	80	70.4	63.4	60.8	51.1	45	48	52	56	67.5	79.5	70.3	59.3	56.1	73.9 ?
9	73.3	79.2	80.4	80.6	84.2	79.8	70.6	63.9	62.8	58.3	57.2	60.7	59.4	58.5	58.3	57.4	65.1	73.2	82.4	87.2	93.8	102.5 ?	?	?	72.2 ?
10	?	?	?	?	?	?	?	?	?	?	?	100.6 ?	90.7	72.9	69.7	68.1	68.2	73.8	79.4	83.9	85.1	95.8	99.3	101.9	83.8 ?
11	100.7	88	102.5	102.7	92.7	88.1	93	101.3	92.6	76.3	69.5	71.2	69	67.1	70	76.1	83	88.1	93.7	96	96.4	96.2	97.4	98.4	87.9
12	102.7	104.1	104.5	103.4	103.5	104.8	104.4	98.8	81.7	63.4	51.8	47.3	47.4	47.3	45.5	41.8	40.8	45.2	50.6	53.4	55.8	56.7	52.7	55.3	69.3
13	59	68.3	70.3	74.1	82.1	86.6	91.5	90.4	78.5	65.5	56.5	50.8	48.1	45.1	42.3	40	42.8	46.3	54.6	59.8	66.8	73.1	75.8	75.3	64.3
14	82	80.3	81.5	82	79	80.2	86.8	85.3	78.8	66.3	61	54.2	47.9	42.8	39.2	38.6	37.7	41.9	46	39.5	34.8	43	50.2	53.9	59.7
15	55.8	57	61.3	55.9	58.1	66.3	73.8	67.5	63.4	48.6	36.5	28.4	23.6	27.4	29.3	28.9	26.7	43.9	55.5	60	69.6	78.9	76.8	73.8	52.8
16	78.6	82.2	89.1	94.5	96.2	97	100.4	93.9	87.4	80.3	55.8	43.1	37.8	35.2	39	44.6	41	45.6	52.5	59.7	84.9	98.3	101.9	104.4 ?	72.6
17	?	?	?	?	?	?	?	?	103.8 ?	97.7	89.4	82.1	77.9	73.4	70	74.1	74.3	79.9	85.6	88.6	93.8	95.6	95.3	96.3	86.1 ?
18	98.7	102.2	104.6 ?	?	?	?	?	?	102.4 ?	95.7	88	81.4	74.9	70.1	67.7	64.4	64.3	67.6	73.7	75.5	75.9	77.9	77.4	79.3	81.1 ?
19	83.1	84.1	82.2	76.4	73.6	69	57.2	39.8	36.1	29.9	24.3	19.5	17.2	16.3	16.6	17.3	16.1	18.9	24	25.7	22	20.1	21.9	22.8	38.1
20	25.8	26.8	28.2	31.2	36.5	41.4	46.7	51	50	48.6	45.5	43.6	39.6	32.3	27.5	27	26.4	40	77	83.2	80	85.1	91.6	79.7	48.5
21	75.7	87.3	89.7	87.4	87.9	89.8	94.8	96.2	93	90	84.1	74.2	67.2	62	60.8	61.3	62.3	65.6	70.6	78.4	93.4	102.6	103.5	104	82.6
22	104.2	105 ?	104.5	100.8	99.2	103.1	103.9	102.2	101.4	100.5	98.3	95.9	96.9	96.8	94.8	93.3	93.5	94	91.6	97.4	99.9	100.6	101.4	101.4	99.2
23	102.6	103.2	103.6	104.5	104.5	100.3	93.4	86.8	84.5	75.3	64.2	64.7	65	58.2	54.7	58.8	75.4	82.7	90.8	94.8	98	99.5	100.6	100.9	86.1
24	101.2	101.3	102.1	104 ?	?	102.7 ?	100.5	91.4	88	76.1	60.5	59.7	51.8	57.3	59.2	58.3	59.8	78	74.7	68.3	72.6	82.6	90.1	98.4	79.9
25	104.2 ?	104.8 ?	104	?	104.5 ?	104.1	104.4	102.3	100.2	96.9	96.1	96.2	84.4	73.3	71.7	67	67.7	63.3	50.1	51.7	52.5	49.7	55	63.5	81.2 ?
26	72.1	75.3	79.7	82.3	84.9	86.6	89.7	88.5	79.6	77.8	78.5	80.7	79.9	78.5	81.3	84.7	88.7	93.6	96.8	97.8	100.1	102.6	104.4 ?	?	86.3
27	?	?	?	?	?	?	?	?	100.5 ?	89.4	75.8	67.4	60.8	60.8	60.8	61.2	62	76.5	83.2	88.2	91.6	94.2	92	88.7	78.3 ?
28	89.7	89.9	88.8	89.3	90	93.8	100.6	103.5	101.1	98.5	92.7	90.3	86.3	84.8	74.5	67.5	72	86.7	89.4	87.8	102.8 ?	?	?	?	89.5 ?

Avg	82.9	84.1	86.4	85.6	86.9	88.1	88.9	86.2	83.8	77.9	71.5	68.7	65.8	62.8	61.1	60.9	64.2	70	74.8	75.7	79	81.3	81.2	80.9	77.9 ?
S D	21.2	20.8	19	18.9	17.3	16.1	16.2	18.2	17.8	19	20.6	21.8	21.8	20.8	20.1	20.6	23.3	22.7	21	20.3	21.3	22.5	23	22.7	15.2
S/A	0.26	0.25	0.22	0.22	0.2	0.18	0.18	0.21	0.21	0.24	0.29	0.32	0.33	0.33	0.33	0.34	0.36	0.32	0.28	0.27	0.27	0.28	0.28	0.28	0.2
Min	25.8	26.8	28.2	31.2	36.5	41.4	46.7	39.8	36.1	29.9	24.3	19.5	17.2	16.3	16.6	17.3	16.1	18.9	24	25.7	22	20.1	21.9	22.8	38.1
Max	104.2	105	104.6	104.7	104.5	104.8	104.4	103.5	103.8	102.3	100.9	100.6	98.5	96.8	94.8	95.9	104.1	103.4	104.8	104	102.8	102.6	104.4	104.7	99.2
n	248	225	233	217	226	244	250	252	272	293	300	309	324	324	324	324	330	336	319	311	295	283	268	261	6770

Data Recovery: 0.0% missing; 0.0% untested; 16.0% 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.

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

February 2011

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	3.7	3.6	3.1	2.6	2.3	2.1	1.9	1.8	1.8	2.4	3.7	5.7	11.3	14.6	15.7	15.6	13.9	10.5	8.1	7.1	6.5	6.2	6.6	6.8	6.6
2	7.4	8.6	10	11.8	13.6	14.9	15.3	15.8	16.5	17	17.6	18.3	20.1	21.7	23.1	24.1	23.7	22.4	20.7	18.9	17.4	16.3	15.2	13.9	16.8
3	12.4	11.1	9.5	6.9	5	3.8	3	2.6	2.5	3.1	4.9	7.2	8	8.4	8.8	8.1	6.7	5.1	4	3.2	2.5	2.2	2.1	2	5.5
4	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.5	2.7	3.2	4.1	4.6	5.5	6	6.4	6	4.7	3.4	2.6	2.4	2.4	2.5	2.7	3	3.4
5	3.4	3.9	4.6	5.4	5.9	6.2	6.4	6.7	7.1	7.7	8.1	8.3	8.8	9.5	10.2	12.3	14.4	15.6	15	13.7	12.5	11.4	10.6	10	9.1
6	9.5	9	8.4	7.7	6.8	5.8	4.4	3.3	5.6	9.8	12.5	14.6	15.9	16.1	15.3	14.8	14.1	11.9	7.8	5.3	4	2.9	2.6	2.4	8.8
7	2.3	2	1.7	1.9	1.9	2.3	2.6	2.9	3.7	6	8.5	9.7	11.9	13.3	13	11.9	10.7	9.9	9.2	8.4	7.9	7.5	7.3	7.3	6.8
8	7.3	7.4	7.3	7.1	6.9	6.5	5.9	5.5	6.9	9.3	11.8	14.1	15.4	15.8	15.3	14.8	14.1	12.3	8.8	6.3	3.9	2	0.9	0.5	8.6
9	0.2	-0.7	-1.6	-2.2	-2.7	-3.5	-3.7	-3.6	-1.1	2.3	5.3	7.4	8.3	8.5	8.9	9.4	9.3	7	3.7	2.5	2.2	1.8	1.1	0.8	2.5
10	0.7	0.6	0.5	0.4	0.1	-0.1	-0.2	-0.3	-0.3	-0.1	0.3	2	4.6	5.3	5.4	5.5	5.5	4.2	0.6	-1.7	-2.9	-3.7	-4.7	-5.6	0.7
11	-5.9	-5.8	-5.3	-5.4	-5.7	-4.8	-4.8	-4.7	-0.9	4.9	9.2	11.2	11.5	9.8	8.4	7.3	6	4.8	3.9	3.3	3.1	3.1	2.7	1.9	2
12	0.3	-1.1	-2	-2.5	-2.8	-2.9	-3	-2.6	0.2	4.4	7.8	10.4	12	13	13.4	14	14.2	13.4	10.6	8	6.3	5	4.7	4.3	5.2
13	3.7	3	1.7	0.5	-0.4	-1.5	-2.2	-2.2	1.9	8	11.9	14.1	15.2	15.4	15.4	15.7	15.5	14.3	11.9	10	9	8.5	8.1	7.6	7.7
14	6.8	6	5.6	5.3	5	5.2	5	5.1	7.5	11	14	16.4	18.5	20	20.7	21.3	21.6	20.9	18.2	16	14.9	14.5	13.5	11.6	12.7
15	10	9	7.9	7	6.6	5.8	4.3	4	6.5	8.8	10.7	12.7	13.9	13.8	14	14.3	13.5	11.4	7.6	4.3	2.4	1.6	1.3	0.9	8
16	0.8	0.7	0.5	-0.3	-0.3	0.2	-0.2	-0.5	3.3	8.5	12.4	14.9	16.8	17.2	17.7	17.8	17.5	16.9	13.5	10.2	8.4	7.4	6.8	6.5	8.2
17	6.4	6.6	6.7	6.6	6.5	6.2	5.7	5.8	8.7	13.4	17.9	20.9	22.6	23.3	23.4	22.5	21.5	20.6	18.1	16.4	15.2	14.3	14	13.6	14
18	13.1	12.9	12.6	12.5	13.1	13.6	13.3	13.4	14.8	17.6	20.2	22.7	24.8	25.2	24.8	25.3	25.6	24.8	22.5	20.4	19.4	18.8	18.1	17.6	18.6
19	16.5	15.3	14.7	14	13.1	11.6	10	10	12.6	15.4	17.8	19.7	21.1	21.6	21.5	21.3	21.4	20.6	17.7	14.9	13.3	12.4	11.7	10.6	15.8
20	9.3	8.3	7.5	6.6	5.5	4.2	3.6	3.8	6.3	8.7	10.7	12.9	14.7	15.7	16.4	16.9	17.4	15.8	11.6	8.7	8	7.8	7.8	7.8	9.8
21	7.9	8.1	8.2	8.4	8.8	9.2	9.6	10.3	12.1	14.9	17.4	20.4	22.4	24	24.8	24.7	24.4	23.5	20.8	16.2	12.3	9.1	7.6	6.9	14.7
22	6.6	6.4	6.3	6	5.3	3.9	3.3	3.1	3	2.8	2.9	3.7	4.4	4.2	4.3	4.2	3.8	3.1	2.3	1	0	-0.5	-0.8	-1.4	3.2
23	-2	-2.5	-2.8	-2.9	-3	-2.7	-2.4	-1.6	1	4.5	8.9	12.5	14.7	15.3	15.6	15.5	14.1	11.6	7.5	4.3	2.7	1.7	1.4	1.5	4.7
24	1.5	1.6	1.7	1.5	1.2	0.6	0.8	2	6.2	10.7	12.9	15.5	17.2	17.2	17.5	18.3	17.4	15.4	13.3	12.7	12.4	12	11.8	12	9.7
25	12.4	13.3	14.3	14.9	14.8	14.7	14.9	15.5	16.4	17.8	19.1	18.7	18.6	20.9	22.9	23.8	23.7	22.7	20.4	17	14.2	12.1	10.3	8.6	16.8
26	6.8	5.1	4	3.3	2.5	1.9	1.1	1.8	5.3	8.4	11.1	12.6	13.5	14.8	15.1	13.2	11.4	10.2	8.6	8.1	7.7	6.6	5.6	5.3	7.7
27	5.3	5.7	6.5	7.4	8.3	8.9	9	9.2	10.9	14.8	18.6	21.7	24.3	25.6	25.4	25.4	26.5	24.5	19.9	16.8	15.1	14.7	15	15.4	15.6
28	15.7	15.4	15.3	15.2	14.8	14.3	13.8	14	15.9	18.1	21	23.7	25	25.1	26	27.1	26.6	25	22.9	21.7	19.2	16.4	15.3	14.8	19.3

Avg	5.9	5.6	5.3	5.1	4.8	4.6	4.3	4.4	6.3	9	11.5	13.5	15	15.8	16	16.1	15.7	14.3	11.9	9.9	8.6	7.7	7.1	6.7	9.4
S D	5.4	5.3	5.4	5.5	5.6	5.7	5.7	5.7	5.4	5.4	5.7	6	6	6.3	6.4	6.6	6.9	7	6.8	6.4	6.1	5.9	5.8	5.7	5.3
S/A	0.91	0.96	1.01	1.08	1.16	1.23	1.32	1.29	0.85	0.6	0.5	0.45	0.4	0.4	0.4	0.41	0.44	0.49	0.57	0.65	0.71	0.77	0.82	0.86	0.57
Min	-5.9	-5.8	-5.3	-5.4	-5.7	-4.8	-4.8	-4.7	-1.1	-0.1	0.3	2	4.4	4.2	4.3	4.2	3.8	3.1	0.6	-1.7	-2.9	-3.7	-4.7	-5.6	0.7
Max	16.5	15.4	15.3	15.2	14.8	14.9	15.3	15.8	16.5	18.1	21	23.7	25	25.6	26	27.1	26.6	25	22.9	21.7	19.4	18.8	18.1	17.6	19.3
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.

February 2011

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	2.9	2.4	2.4	1.7	1	0.7	0.9	1.2	0.8	1	0.6	0.5	1	1.1	1.9	1.9	1	1.1	2.1	3	3.2	1.7	2.3	3.1	1.6
2	2.3	1.4	1.9	2.5	5.2	5.5	5.6	6.2	6.2	5.9	6.6	6.6	7.3	5.8	5.8	5.6	5.9	5.5	4.7	3.9	3.4	3.2	3.1	2.2	4.7
3	2.8	2.7	3.3	2.5	3.3	2.7	2.9	2.6	3.4	3.1	2.6	2.5	2.8	2.1	2.1	1.8	2	2.1	2.3	1.7	1.6	1.6	1.3	1.1	2.4
4	0.8	0.7	0.9	0.8	1.1	1.4	0.6	0.7	0.9	2	2.3	2.8	1.8	2	1.5	1.4	1.7	2.2	1.7	1.3	1.8	1.7	1.9	2.1	1.5
5	2.3	2.3	2.8	2.7	1.3	0.8	0.9	1.1	0	0.5	0.9	0.5	0.8	1.6	2.5	3.6	4.9	5.9	5.9	5	5.4	4.6	4.1	3.8	2.7
6	3.3	3.4	3.4	3.5	1.8	0.9	0.5	0.2	0.7	2.4	2.6	2.1	1.8	2.1	2.3	2.7	2.5	2.9	2.4	1.8	0.1	0.3	0.4	0.2	1.8
7	0.1	0	0.1	0	0.1	0.1	0.1	0.2	0.4	1.4	2.4	2.8	2.4	2	1.8	1	0.7	0.1	0.2	0.8	2.3	4.1	1.4	0.2	1
8	0.5	1.6	2.1	1.9	3.8	3.8	3.5	4.5	5	4.4	4.2	3.8	3.7	4.2	4.3	4.1	4.5	3.1	2.9	1.6	1	1.2	1.9	2.9	3.1
9	2.4	2	2	2	0.9	1.8	1.9	2.1	2.4	2.7	2.5	2.9	2.9	2.4	1.9	1.8	2.7	1.8	2.1	2.9	1.9	1.5	1.6	2	2.1
10	2.4	2.2	1.6	2.3	0.9	0.4	0	0.3	1.4	2.7	2.6	2.7	4	3.1	2.9	2.1	1.9	1.5	1.2	0.8	0.6	0.3	0	0.2	1.6
11	0.4	0.9	0.5	0.3	1.4	0.8	0.3	0.7	0.3	0.5	1.4	2.2	1.6	1.8	2.2	2	2.1	2.3	1.9	1.5	1.3	1.6	0.9	0.9	1.2
12	0.5	0.9	1.2	1.8	1.7	1.3	1.5	1.8	2.5	4	5.2	5	5.3	5.8	5.5	5.5	4.6	2.7	2.1	1.1	1	1.7	1.4	1.3	2.7
13	1.3	1.1	0.5	0.1	0.1	0.6	0.4	0	0.2	1.2	2.4	3.1	4	4.5	4.3	4.3	2.9	2.6	2.1	2.4	3.3	2.9	2.8	2.5	2.1
14	2.9	2.8	3.1	2.2	2.1	2.4	3.1	3.4	3.8	4.4	4.8	4.7	5.4	5.8	6.1	5.7	5.2	3.8	2.6	3	3.3	5	4.8	3.6	3.9
15	4.1	3.3	2.8	4.4	3	2.2	2.4	3.8	4.8	5.6	4.6	4.4	4.9	4.4	3.7	3.5	3.6	2.3	1.6	1.3	1.9	1.9	1.6	1.9	3.3
16	1.8	1.4	0.7	1	1.7	1	0.5	0.9	1.1	2.1	2.8	2.6	2.2	2.7	3	2.7	1.6	1.2	0.9	1.3	1.2	0.8	1.2	1.1	1.6
17	1.9	2.2	1.9	1.6	1.1	0.5	0.2	0.3	0.8	1.7	2.8	3.6	4.3	4.2	3.7	2.8	3.1	1.9	2.2	2.9	3.1	4.3	4.4	4.1	2.5
18	4.6	4.5	4.1	4	2.7	2.7	3.1	3.4	3.8	5	4.2	3.5	5.2	5.7	5.8	4.9	4.3	3.4	2.4	2.8	2.6	2.5	3.4	2.4	3.8
19	2.3	2.8	3.5	2.9	2.8	1.9	3	3.6	4.6	4.9	5.1	5.4	5.9	6.5	7	6.2	6	4.5	3	2.9	3.6	4.4	3.7	3.2	4.2
20	3.1	3.8	3.9	3.1	2.5	2.7	3.3	2	3.2	4.5	3.9	3.1	3.2	3	2.6	2.6	1.6	2.3	2.2	2.4	2.4	2.6	2.7	2.7	2.9
21	3	3.6	2.9	2.9	2.7	3.4	3.4	4.4	5.7	6.3	5.1	7.7	6	5.8	5.5	4.3	3.7	2	3.2	5.3	5.2	4.3	3.2	3.7	4.3
22	3.8	4.3	4.4	5.3	5	3.8	5.4	5.1	5.5	4.5	4.4	4.2	4	4.1	4.1	3.6	3.3	3.1	2.8	2.5	2.7	2.2	1.5	0.8	3.8
23	0.5	0.8	1	1	1.4	1.9	1.9	2.5	2.8	2.5	2.1	1.8	2.2	1.6	1.8	2.8	3.5	2.7	2.5	1.5	0.9	1.2	1.5	0.9	1.8
24	1.4	1.4	0.6	0.7	0.2	0.9	1.3	1.1	1.4	2.3	2	2.4	2.5	2.2	2.3	2.3	1.2	0.9	1.3	1.5	1.9	3.2	4.2	3.3	1.8
25	3.4	3.2	4.3	4.1	4.4	5	6.1	6.6	7.3	6.3	8	8.3	7.7	7.6	7	7.9	7.1	6.4	6.3	5.6	4.3	3.9	3.1	3.5	5.7
26	3.1	2.9	3.5	2.8	2	1.2	1.5	1.6	3.1	3.3	4	4.5	3.3	3	2.4	2.9	2.9	2.9	1.7	1.4	0.9	0.7	0.9	1.5	2.4
27	1.9	2.5	2.5	2.2	2.3	1.1	1.5	0.9	2.4	3.9	4.7	4.3	3.6	2.5	2	1.2	1	2.1	1.6	0.5	0.5	1.1	1.3	2.4	2.1
28	2.9	3.2	3.7	3.3	3.3	3.2	2.7	3.6	5.4	5	4.9	5.6	5.6	4.1	4.8	5	5	4.6	4.1	3.6	1.8	2.1	3.8	3	3.9

Avg	2.2	2.3	2.3	2.3	2.1	2	2.1	2.3	2.8	3.4	3.6	3.7	3.8	3.6	3.6	3.4	3.2	2.8	2.5	2.4	2.3	2.4	2.3	2.2	2.7
SD	1.2	1.2	1.3	1.3	1.4	1.4	1.7	1.9	2.1	1.7	1.7	1.9	1.8	1.8	1.7	1.7	1.7	1.5	1.4	1.4	1.4	1.4	1.3	1.2	1.2
S/A	0.54	0.51	0.55	0.58	0.64	0.72	0.81	0.81	0.73	0.52	0.48	0.5	0.48	0.49	0.48	0.5	0.53	0.53	0.54	0.57	0.61	0.58	0.57	0.55	0.43
Min	0.1	0	0.1	0	0.1	0.1	0	0	0	0.5	0.6	0.5	0.8	1.1	1.5	1	0.7	0.1	0.2	0.5	0.1	0.3	0	0.2	1
Max	4.6	4.5	4.4	5.3	5.2	5.5	6.1	6.6	7.3	6.3	8	8.3	7.7	7.6	7	7.9	7.1	6.4	6.3	5.6	5.4	5	4.8	4.1	5.7
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.

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

February 2011

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	338	327	327	318	304	298	288	293	292	283	280	282	224	182	108	84	83	89	106	102	104	109	96	101	62
2	116	126	155	169	159	168	178	182	185	182	186	191	191	193	209	219	235	246	262	264	264	267	282	287	203
3	302	310	31	2	1	358	347	332	331	324	319	327	326	334	339	317	356	6	5	33	39	26	41	61	347
4	48	55	72	93	76	105	146	52	48	79	83	91	97	97	95	83	22	50	53	43	39	42	52	51	69
5	57	36	57	26	21	28	46	55	318	293	336	101	125	151	176	182	188	225	215	246	241	248	248	236	221
6	234	237	259	267	272	269	267	276	297	351	27	69	88	87	86	82	105	116	100	103	110	110	115	110	102
7	119	135	131	116	114	127	115	126	116	132	131	121	96	108	132	102	160	287	58	115	102	101	273	242	116
8	239	214	206	219	229	242	249	251	265	280	292	300	289	270	271	276	266	271	280	349	353	313	310	330	271
9	8	357	355	3	353	9	36	40	42	57	71	96	75	76	46	175	95	119	92	101	93	62	15	5	56
10	353	351	11	28	28	28	28	28	28	28	28	18	26	19	38	36	49	59	79	13	202	195	168	25	
11	147	87	64	153	128	122	343	308	326	7	49	59	91	75	61	66	63	49	55	359	352	340	335	346	50
12	281	274	266	267	263	247	243	248	265	264	263	253	260	252	264	270	267	269	260	233	259	266	277	275	262
13	248	328	323	264	208	235	260	212	134	208	207	195	205	218	205	212	202	191	186	192	192	198	197	199	205
14	198	197	196	196	211	189	189	190	193	221	224	207	199	212	217	230	238	227	246	260	283	313	302	298	226
15	297	292	290	304	304	289	301	317	331	325	322	340	340	349	17	21	37	58	55	55	69	71	79	75	341
16	73	90	115	107	100	118	221	128	150	152	176	171	185	198	201	226	215	155	132	155	176	176	176	182	166
17	194	199	193	191	192	197	195	201	210	215	228	215	210	215	223	204	191	171	172	177	182	189	190	189	198
18	189	191	191	195	198	196	195	202	223	235	230	212	235	247	255	252	256	233	227	232	231	252	257	269	226
19	259	254	267	272	273	272	269	266	262	268	272	276	280	271	268	274	275	271	279	294	294	294	299	301	275
20	302	301	304	301	288	316	324	315	332	343	338	333	10	348	19	28	44	90	119	115	125	139	143	153	344
21	156	159	172	183	187	191	197	224	219	227	228	234	234	247	244	247	253	257	41	42	46	50	45	34	219
22	36	40	30	22	3	26	359	8	11	7	8	12	4	23	32	24	25	25	359	31	36	23	9	277	18
23	281	291	300	308	335	345	358	352	347	9	14	18	59	49	55	85	78	72	63	65	70	75	80	103	35
24	107	107	100	89	140	117	117	129	149	139	138	104	167	131	119	127	139	99	142	135	127	130	148	150	132
25	165	173	183	185	176	173	182	184	184	184	189	189	193	215	225	232	239	267	290	295	303	315	329	359	213
26	4	353	6	30	20	38	54	54	76	84	97	105	96	67	69	65	80	104	106	91	104	161	187	190	70
27	186	194	198	207	230	221	228	210	216	225	242	246	241	225	212	181	61	63	68	47	104	174	173	173	212
28	175	187	190	187	186	182	177	182	191	192	204	203	213	217	203	209	187	185	186	297	342	142	149	191	194

Avg	241	244	242	259	235	209	231	234	240	247	237	215	223	232	231	231	230	217	211	314	347	267	243	234	228
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 2011

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	4.8	4.3	4.5	4	3.3	2.6	2.8	3.3	2.7	3	1.8	1.6	2.2	2.4	3.3	2.9	1.8	1.9	3.2	4.7	4.7	3.1	3.6	5.1	3.2
2	3.9	2.8	3.9	4.8	9	9.3	9.3	9.9	9.8	9.2	10.5	10.6	11.6	9.5	10.5	10.1	10.1	9.3	8.2	6.6	5.8	6.1	6	4.6	8
3	5.7	5.3	5.4	4.5	5.4	4.7	5	4.9	5.9	5.5	5.2	5.1	5.1	4.3	3.9	3.9	3.4	3.6	3.8	3	2.6	3	2.3	1.8	4.3
4	1.5	1.3	1.7	1.5	1.9	2.5	1.3	1.3	2	3.4	3.8	4.4	3.3	3.4	2.4	2.3	2.9	3.8	3.2	2.6	3.3	3.2	3.5	4	2.7
5	4.2	4	4.8	4.5	2.6	2	2.3	0.1	1.3	2.4	1.5	2.1	2.9	4.6	6.2	7.7	10.6	11.3	8.7	9.9	8	7.6	6.5	4.9	
6	5.7	5.9	6.2	6.3	4	2.3	1.5	0.9	2	4.2	4.4	4.2	3.6	3.6	3.9	4.6	3.9	4.7	3.9	3.4	0.5	1.1	1.1	0.9	3.4
7	0.4	0.3	0.6	0.1	0.5	0.5	0.5	0.9	1.3	2.7	3.5	4.3	3.8	3.3	2.8	1.8	1.5	0.5	0.7	1.4	4	6.7	3	0.8	1.9
8	1.5	3.5	4	4.2	6.3	6.5	6	7.6	9.4	8.6	8.4	7.9	7.5	7.9	8	8.2	8.4	5.6	6	3	2	2	3.6	5.1	5.9
9	4.5	3.6	3.5	3.8	2.1	3.2	3.4	3.7	4.2	4.6	4.3	4.9	5	4.4	3.4	3.5	4	2.8	3.6	4.7	3.2	2.6	2.8	3.6	3.7
10	4.2	4.5	3.3	4.6	2.5	1.2	0.1	0.9	3.6	5.2	4.9	5.3	6.8	5.6	4.8	3.9	3.4	2.6	2.3	1.5	1.3	0.8	0.3	0.5	3.1
11	0.9	1.4	0.9	0.7	2.1	1.4	0.7	1	0.7	1.3	2.6	3.7	3.1	3.2	3.6	3.2	3.5	3.8	3.4	2.7	2.4	2.9	1.9	1.6	2.2
12	1.3	1.6	1.9	2.5	2.4	1.9	2.1	2.9	4.4	7.3	9.1	8.6	8.7	9.5	9.4	9.8	8.6	5	3.3	1.8	1.7	2.9	2.5	2.3	4.6
13	2	1.7	0.9	0.3	0.4	1	0.8	0.1	0.5	2.4	4	5.7	6.8	7.7	7.5	7.9	5.1	4	3.7	3.6	5.3	4.6	4.6	4.3	3.5
14	4.3	4.3	4.6	3.2	3.7	3.7	4.8	5	6	8.3	8.8	7.9	9.3	10.7	10.9	10.6	9.1	6.3	4.3	5	6.8	10.3	9.2	7	6.8
15	8	7.1	5.7	8.8	6.2	4.2	4.6	6.9	8.5	9.7	8.4	7.8	8	7.3	6.6	6.1	5.7	3.9	2.9	2	2.9	2.9	2.5	3	5.8
16	2.7	2.1	1.4	1.5	2.5	1.7	1	1.4	1.9	3.7	4.7	4.5	4.2	4.7	5.1	4.9	3	2.1	1.5	2.2	2.1	1.6	2	2.1	2.7
17	2.8	3.1	2.9	2.4	1.7	1.2	1	1	1.9	3.5	5.3	6.2	7.2	7	6.4	5.2	5	3.5	3.5	5	5.2	6.9	6.9	6.2	4.2
18	7.1	7	6.1	6.5	4.5	4.4	5.3	5.7	7	8.9	7.6	6.6	9.1	9.6	10.3	8.6	7.8	5.2	4	4.6	4.3	4.2	5.8	4.5	6.4
19	3.4	4.4	6	5.7	5	3.3	5.2	6	7.7	8.7	10.1	10.7	11.3	12.9	13.1	11.6	11.6	8.6	5.4	5.7	7.1	8.4	7.5	6.5	7.7
20	6.6	7.5	8	6.5	4.7	4.8	5.8	4	5.8	7.4	6.7	5.9	5.3	5.1	4.9	4.5	3	3.7	3.5	3.9	3.8	4	4.5	4.4	5.2
21	5.3	6.3	5	5	4.5	5.4	5.9	7.9	10.3	11	9.5	13.3	10.4	9.8	9.3	7.8	6.6	3.6	5.3	8.7	8.3	7.4	5.3	6.2	7.4
22	6.5	7	7.6	9.3	8.8	7.2	9	9.5	9.5	8.1	8.1	7.3	7	6.6	6.7	6.2	5.5	5.4	5	4	4.5	3.8	2.9	1.6	6.5
23	1.1	1.5	1.9	1.9	2.3	3.3	3.5	4.3	4.8	4.3	3.9	3.6	3.8	3.2	3.6	4.7	5.5	4.6	4	2.8	1.7	1.7	2.4	1.7	3.2
24	2.1	2.2	1.2	1.1	0.6	1.4	2	1.9	2.6	3.9	3.6	3.9	4.3	4	4	3.9	2.2	1.5	2.5	2.6	2.9	5	6.6	5.4	3
25	5.6	5.3	7.2	6.6	7.2	8.5	10.2	11.1	12	9.9	12.7	13.6	12.4	13.7	13	13.6	11.9	12	12.8	10.8	9	7.6	5.6	6.3	9.9
26	5.5	5	6.2	5.1	3.7	2.2	2.6	3	5.3	5.6	6.6	7.2	5.6	4.8	3.7	4.3	4.5	4.8	2.9	2.4	1.5	1.4	1.6	2.5	4.1
27	3	3.7	3.9	4.4	4.1	2.3	2.6	2	4.4	6.8	8.3	7.3	6.7	4.5	3.7	2.3	1.9	3.2	2.6	1.2	1.1	2.1	2.7	3.7	3.7
28	4.9	5.6	5.9	5.5	5.4	5.7	4.5	6.2	8.2	8.5	9	10.1	10.4	8	8.7	9.3	8.2	7.7	6.9	7.4	3.8	3.5	6	5.4	6.9

Avg	3.9	4	4.1	4.1	3.8	3.5	3.7	4.1	5.1	6	6.4	6.6	6.6	6.4	6.4	6.1	5.6	4.8	4.4	4.2	4	4.2	4.1	3.8	4.8
SD	2.1	2	2.2	2.4	2.3	2.3	2.7	3.1	3.3	2.8	2.8	3.1	3	3.1	3.2	3.1	3	2.7	2.7	2.4	2.5	2.5	2.2	2	2
S/A	0.53	0.5	0.53	0.58	0.59	0.66	0.74	0.74	0.66	0.47	0.45	0.47	0.45	0.49	0.5	0.51	0.54	0.56	0.6	0.59	0.62	0.6	0.55	0.51	0.42
Min	0.4	0.3	0.6	0.1	0.4	0.5	0.1	0.1	0.1	1.3	1.8	1.5	2.1	2.4	2.4	1.8	1.5	0.5	0.7	1.2	0.5	0.8	0.3	0.5	1.9
Max	8	7.5	8	9.3	9	9.3	10.2	11.1	12	11	12.7	13.6	12.4	13.7	13.1	13.6	11.9	12	12.8	10.8	9.9	10.3	9.2	7	9.9
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 2011

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	1023	1023	1022	1022	1022	1021	1022	1022	1022	1023	1023	1022	1021	1020	1019	1019	1019	1019	1018	1018	1018	1018	1017	1016	1020
2	1015	1013	1012	1012	1010	1009	1009	1009	1009	1009	1009	1008	1007	1006	1007	1007	1008	1010	1011	1012	1013	1014	1016	1018	1011
3	1019	1020	1021	1021	1022	1023	1025	1026	1027	1027	1028	1028	1027	1027	1026	1026	1027	1027	1028	1028	1028	1028	1028	1028	1026
4	1028	1027	1027	1027	1027	1027	1027	1027	1027	1026	1026	1025	1024	1023	1022	1022	1021	1021	1021	1020	1020	1019	1018	1017	1024
5	1015	1014	1013	1012	1012	1011	1010	1009	1009	1008	1008	1007	1006	1004	1003	1001	1001	1001	1002	1003	1004	1005	1006	1006	1007
6	1006	1007	1008	1009	1010	1010	1011	1012	1013	1014	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1016	1016	1016	1016	1013
7	1016	1016	1016	1015	1015	1016	1015	1016	1015	1015	1014	1014	1012	1011	1011	1009	1009	1009	1007	1007	1006	1003	1005	1004	1011
8	1004	1004	1004	1003	1004	1005	1005	1007	1008	1009	1010	1011	1011	1011	1011	1012	1013	1015	1017	1019	1020	1021	1022	1022	1011
9	1023	1023	1023	1024	1024	1025	1026	1026	1027	1027	1026	1025	1024	1023	1022	1021	1020	1020	1019	1018	1018	1017	1016	1015	1022
10	1015	1015	1014	1013	1014	1013	1014	1015	1015	1016	1017	1017	1018	1017	1017	1018	1018	1018	1019	1019	1020	1021	1022	1022	1017
11	1022	1021	1021	1021	1021	1021	1021	1022	1023	1023	1022	1021	1020	1019	1018	1017	1017	1017	1017	1017	1016	1016	1016	1016	1019
12	1016	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1016	1015	1015	1015	1015	1016	1017	1018	1019	1020	1020	1020	1017
13	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1022	1021	1020	1019	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1020
14	1016	1015	1014	1013	1013	1012	1011	1011	1010	1010	1009	1008	1006	1005	1003	1003	1004	1005	1006	1007	1008	1010	1012	1014	1009
15	1015	1016	1017	1018	1020	1021	1022	1023	1024	1025	1026	1026	1026	1026	1026	1026	1026	1027	1027	1028	1028	1028	1028	1028	1024
16	1029	1029	1029	1028	1028	1028	1029	1029	1030	1029	1029	1029	1027	1026	1026	1025	1024	1024	1024	1024	1024	1024	1024	1024	1027
17	1024	1024	1023	1023	1023	1023	1023	1024	1024	1024	1024	1023	1022	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1018	1022
18	1018	1017	1016	1016	1017	1016	1016	1016	1016	1015	1015	1014	1013	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1014
19	1012	1012	1013	1013	1014	1014	1015	1015	1016	1015	1015	1014	1013	1012	1012	1011	1011	1012	1013	1014	1015	1016	1017	1018	1014
20	1019	1019	1020	1020	1021	1021	1022	1023	1023	1023	1023	1023	1023	1022	1021	1021	1020	1019	1019	1019	1019	1018	1018	1017	1020
21	1015	1014	1012	1011	1010	1009	1009	1008	1007	1006	1006	1005	1004	1003	1002	1002	1002	1003	1004	1004	1005	1005	1005	1005	1007
22	1005	1004	1005	1005	1007	1007	1009	1011	1013	1014	1015	1016	1016	1017	1017	1018	1018	1019	1020	1020	1020	1020	1021	1022	1014
23	1022	1022	1022	1022	1023	1023	1024	1024	1025	1025	1025	1025	1025	1024	1024	1023	1024	1024	1024	1024	1025	1025	1025	1025	1024
24	1024	1024	1024	1023	1023	1023	1023	1023	1023	1024	1023	1023	1022	1021	1020	1020	1019	1018	1018	1017	1017	1016	1015	1014	1020
25	1012	1011	1010	1009	1008	1006	1006	1005	1005	1004	1002	1000	1000	999	999	999	1000	1003	1007	1010	1013	1014	1016	1017	1007
26	1019	1020	1019	1020	1020	1021	1021	1022	1022	1022	1022	1022	1022	1020	1019	1018	1018	1017	1016	1016	1016	1015	1015	1014	1019
27	1013	1013	1012	1012	1013	1013	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1014	1014	1014	1015	1015	1015	1014	1014
28	1014	1013	1013	1012	1012	1012	1012	1012	1012	1011	1011	1010	1009	1007	1006	1005	1004	1004	1005	1006	1008	1008	1007	1007	1009

Avg	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017	1016	1015	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1016
SD	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	7	7	7	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	
Min	1004	1004	1004	1003	1004	1005	1005	1005	1005	1004	1002	1000	1000	999	999	999	1000	1001	1002	1003	1004	1003	1005	1004	1007
Max	1029	1029	1029	1028	1028	1028	1029	1029	1030	1029	1029	1029	1027	1027	1026	1026	1027	1027	1028	1028	1028	1028	1028	1028	1027
n	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 2011

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

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

Avg	12.8	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4	13.3	13.1	12.9	12.9	12.8	12.8	12.8	12.8	13.1
SD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0	0	0	0	0	0.01	0.01
Min	12.6	12.6	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.8	13.1	12.9	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.7
Max	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13.9	14	13.9	13.9	13.9	13.8	13.8	13.9	13.8	13.8	13.3	13	12.9	12.9	12.9	12.9	12.9	13.2
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.

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