

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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	21	108 ?	284	443	448	394	419	423	333	184	61	4	0	0	0	0	0	0	3123
2	0	0	0	0	0	0	27	157	311	469	581	635	619	542	411	234	60	0	0	0	0	0	0	0	4047
3	0	0	0	0	0	0	15	108	324	460	560	619	607	525	378	148	38	0	0	0	0	0	0	0	3782
4	0	0	0	0	0	0	4	69	226	441	347	306	275	134	125	71	34	0	0	0	0	0	0	0	2033
5	0	0	0	0	0	0	15	85	239	309	348	412	172	167	53	30	7	0	0	0	0	0	0	0	1836
6	0	0	0	0	0	0	1	3 ?	55 ?	49 ?	63	83	90	74	73	65 ?	7	0	0	0	0	0	0	0	562 ?
7	0	0	0	0	0	0	12	110	206 ?	423	547	589	545	464	312	126	39	0	0	0	0	0	0	0	3373
8	0	0	0	0	0	0	18	97	245	433	543	595	582	505	375	203	42	0	0	0	0	0	0	0	3638
9	0	0	0	0	0	0	15	109	280	433	535	583	573	498	356	162	39	0	0	0	0	0	0	0	3584
10	0	0	0	0	0	0	7	60	172	391	499	552	559	455	344	187	44	0	0	0	0	0	0	0	3271
11	0	0	0	0	0	0	10	110	261	352	448	351	210 ?	?	60 ?	35	12	0	0	0	0	0	0	0	1851 ?
12	0	0	0	0	0	0	4	51	105	348	361	255	?	?	59 ?	74	35	0	0	0	0	0	0	0	1293 ?
13	0	0	0	0	0	0	1	10	26 ?	?	45 ?	?	?	102 ?	113	131	22	0	0	0	0	0	0	0	450 ?
14	0	0	0	0	0	0	11	112	247	394	511	560	543	471	344	178	21	0	0	0	0	0	0	0	3392
15	0	0	0	0	0	0	15	95	254	337	386	422	529	400	162	125	26	0	0	0	0	0	0	0	2751
16	0	0	0	0	0	0	3	34	149	160	133	65	75	49	44 ?	?	3	0	0	0	0	0	0	0	714 ?
17	0	0	0	0	0	0	1	10	43	65	49 ?	56	47 ?	51	41 ?	13 ?	3	0	0	0	0	0	0	0	379 ?
18	0	0	0	0	0	0	8	85	254	410	520	570	557	482	354	181	39	0	0	0	0	0	0	0	3458
19	0	0	0	0	0	0	9	65	236 ?	326	477	550	552	391	345	172	35	0	0	0	0	0	0	0	3158
20	0	0	0	0	0	0	5	42	146	?	?	?	?	?	?	112 ?	29	0	0	0	0	0	0	0	335 ?
21	0	0	0	0	0	0	3	29	103	177	214	150	182	167	102	23 ?	9	0	0	0	0	0	0	0	1158
22	0	0	0	0	0	0	1	26	76	159 ?	201 ?	?	200 ?	171 ?	122 ?	75	31	0	0	0	0	0	0	0	1062 ?
23	0	0	0	0	0	0	5	62	?	?	?	?	?	?	?	102 ?	36	0	0	0	0	0	0	0	205 ?
24	0	0	0	0	0	0	5	61	?	?	?	?	?	?	?	94 ?	30	0	0	0	0	0	0	0	190 ?
25	0	0	0	0	0	0	5	49	?	?	?	?	?	?	?	97 ?	26	0	0	0	0	0	0	0	177 ?
26	0	0	0	0	0	0	3	48	120	275	339 ?	315 ?	229	161	101	50	14	0	0	0	0	0	0	0	1655 ?
27	0	0	0	0	0	0	7	38	106	164 ?	?	?	?	273 ?	224 ?	105 ?	27	0	0	0	0	0	0	0	944 ?
28	0	0	0	0	0	0	4	60	?	?	?	?	?	?	?	88 ?	30	0	0	0	0	0	0	0	182 ?
29	0	0	0	0	0	0	3	61	?	?	?	?	?	?	?	91 ?	34	0	0	0	0	0	0	0	189 ?
30	0	0	0	0	0	0	1	21	116	212 ?	?	?	?	?	?	85 ?	33	0	0	0	0	0	0	0	469 ?
Avg	0	0	0	0	0	0	8	66	183	314	371	403	378	310	210	112	29	0	0	0	0	0	0	0	1775 ?
S D	0	0	0	0	0	0	7	37	89	131	178	198	208	180	137	58	15	1	0	0	0	0	0	0	1382
S/A	0	0	0	0	0	0	0.83	0.57	0.48	0.42	0.48	0.49	0.55	0.58	0.65	0.52	0.51	5.08	0	0	0	0	0	0	0.78
Min	0	0	0	0	0	0	1	3	26	49	45	56	47	49	41	13	3	0	0	0	0	0	0	0	177
Max	0	0	0	0	0	0	27	157	324	469	581	635	619	542	411	234	61	4	0	0	0	0	0	0	4047
n	0	0	0	0	0	0	111	343	278	249	242	233	221	232	241	261	318	3	0	0	0	0	0	0	2738

Daylight Data Recovery: 0.0% missing; 25.4% exceed the 15% QC threshold -- 3672 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25823F3 Calibration Factor: 9.830 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 05/1998

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.

November 2002

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	118	427 ?	659	584	239	191	288	441	339	259	238	0	0	0	0	0	0	0	3784
2	0	0	0	0	0	0	173	540	748	827	869	887	887	875	826	724	416	0	0	0	0	0	0	0	7773
3	0	0	0	0	0	0	5	291	641	516	671	804	887	859	725	167	4	0	0	0	0	0	0	0	5569
4	0	0	0	0	0	0	0	40	501	764	82	8	7	0	0	0	5	0	0	0	0	0	0	0	1407
5	0	0	0	0	0	0	40	114	224	132	91	186	0	1	0	0	0	0	0	0	0	0	0	0	789
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	8	0	0	0	0	0	0	0	0	10
7	0	0	0	0	0	0	126	459	481	694	798	745	684	646	493	171	115	0	0	0	0	0	0	0	5411
8	0	0	0	0	0	0	149	500	718	799	838	855	858	832	776	639	288	0	0	0	0	0	0	0	7250
9	0	0	0	0	0	0	161	528	733	810	832	838	827	799	688	364	74	0	0	0	0	0	0	0	6652
10	0	0	0	0	0	0	0	3	149	601	721	756	734	616	635	502	206	0	0	0	0	0	0	0	4923
11	0	0	0	0	0	0	20	275	231	302	395	109	13	0	0	0	1	0	0	0	0	0	0	0	1346
12	0	0	0	0	0	0	0	0	10	345	124	6	0	0	0	3	40	0	0	0	0	0	0	0	528
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	154	9	0	0	0	0	0	0	0	165
14	0	0	0	0	0	0	79	432	669	766	804	835	834	805	728	600	95	0	0	0	0	0	0	0	6647
15	0	0	0	0	0	0	100	334	451	447	374	390	575	335	3	67	31	0	0	0	0	0	0	0	3108
16	0	0	0	0	0	0	0	0	57	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
17	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
18	0	0	0	0	0	0	83	461	725	826	875	893	893	872	813	682	359	0	0	0	0	0	0	0	7482
19	0	0	0	0	0	0	60	388	697 ?	677	737	843	839	507	695	588	264	0	0	0	0	0	0	0	6296
20	0	0	0	0	0	0	0	1	2	?	?	?	1 ?	?	?	1 ?	0	0	0	0	0	0	0	0	6 ?
21	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
22	0	0	0	0	0	0	0	0	0	1 ?	1 ?	?	0 ?	0 ?	0 ?	0	0	0	0	0	0	0	0	0	2 ?
23	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	0 ?	0	0	0	0	0	0	0	0	1 ?
24	0	0	0	0	0	0	0	1	?	?	?	?	?	?	?	0 ?	0	0	0	0	0	0	0	0	1 ?
25	0	0	0	0	0	0	1	4	?	?	?	?	?	?	?	0 ?	0	0	0	0	0	0	0	0	5 ?
26	0	0	0	0	0	0	0	1	0	0	0 ?	0 ?	0	0	0	0	0	0	0	0	0	0	0	0	1 ?
27	0	0	0	0	0	0	0	0	1	0 ?	?	?	?	0 ?	0 ?	0	0	0	0	0	0	0	0	0	1 ?
28	0	0	0	0	0	0	0	2	?	?	?	?	?	?	?	0 ?	0	0	0	0	0	0	0	0	2 ?
29	0	0	0	0	0	0	0	2	?	?	?	?	?	?	?	0 ?	0	0	0	0	0	0	0	0	2 ?
30	0	0	0	0	0	0	0	0	0	0 ?	?	?	?	?	?	0 ?	0	0	0	0	0	0	0	0	0 ?

Avg	0	0	0	0	0	0	37	160	308	379	384	397	362	330	292	164	72	0	0	0	0	0	0	0	2307 ?
S D	0	0	0	0	0	0	57	210	314	344	368	395	404	375	354	251	122	0	0	0	0	0	0	0	2939
S/A	0	0	0	0	0	0	1.54	1.31	1.02	0.91	0.96	0.99	1.12	1.14	1.21	1.53	1.7	0	0	0	0	0	0	0	1.27
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	173	540	748	827	875	893	893	875	826	724	416	0	0	0	0	0	0	0	7773
n	0	0	0	0	0	0	111	349	290	268	256	248	261	262	261	293	318	3	0	0	0	0	0	0	2923

Daylight Data Recovery: 0.0% missing; 20.4% exceed the 15% QC threshold -- 3672 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 μV/W/m² Calibration Date: 05/1998

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
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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	16	48 ?	77	147	286	255	218	157	162	113	32	4	0	0	0	0	0	0	1514
2	0	0	0	0	0	0	11	35	46	56	60	63	59	52	46	34	16	0	0	0	0	0	0	0	478
3	0	0	0	0	0	0	15	51	93	181	144	89	51	45	53	91	37	0	0	0	0	0	0	0	850
4	0	0	0	0	0	0	4	57	64	72	281	305	273	140	130	73	33	0	0	0	0	0	0	0	1432
5	0	0	0	0	0	0	15	60	152	236	280	272	179	173	53	31	7	0	0	0	0	0	0	0	1457
6	0	0	0	0	0	0	1	4 ?	44	33	63	86	93	77	72	52	8	0	0	0	0	0	0	0	535
7	0	0	0	0	0	0	11	37	89	92	85	120	119	109	99	76	27	0	0	0	0	0	0	0	864
8	0	0	0	0	0	0	11	32	47	58	66	68	65	60	52	41	15	0	0	0	0	0	0	0	516
9	0	0	0	0	0	0	9	28	43	54	64	70	77	74	70	61	28	0	0	0	0	0	0	0	581
10	0	0	0	0	0	0	9	58	110	101	87	88	118	124	78	62	23	0	0	0	0	0	0	0	857
11	0	0	0	0	0	0	11	65	181	196	208	270	181 ?	31 ?	55	36	12	0	0	0	0	0	0	0	1248 ?
12	0	0	0	0	0	0	4	52	101	179	288	259	?	?	57 ?	77	31	0	0	0	0	0	0	0	1048 ?
13	0	0	0	0	0	0	1	10	25	25	36	?	61 ?	88	119	103	22	0	0	0	0	0	0	0	489 ?
14	0	0	0	0	0	0	9 ?	32	53	61	72	66	59	56	55	42	11	0	0	0	0	0	0	0	514
15	0	0	0	0	0	0	11 ?	55	115	127	160	168	183	213	162	109	24	0	0	0	0	0	0	0	1326
16	0	0	0	0	0	0	3 ?	34	128	164	140	66	79	50	40	12 ?	3	0	0	0	0	0	0	0	719
17	0	0	0	0	0	0	1	11	46	69	47	57	35	52	39	14 ?	3	0	0	0	0	0	0	0	373
18	0	0	0	0	0	0	8 ?	27	47	54	57	57	57	53	46	34	13	0	0	0	0	0	0	0	453
19	0	0	0	0	0	0	7 ?	27	59 ?	75	83	70	84	127	80	46	16	0	0	0	0	0	0	0	674
20	0	0	0	0	0	0	7 ?	38	119	?	?	?	219 ?	?	?	83 ?	25	0	0	0	0	0	0	0	490 ?
21	0	0	0	0	0	0	5 ?	30	106	183	223	160	193	176	108	19	9	0	0	0	0	0	0	0	1212
22	0	0	0	0	0	0	2	27	80	151 ?	194 ?	?	191 ?	147 ?	110 ?	61	20	0	0	0	0	0	0	0	982 ?
23	0	0	0	0	0	0	4	19	?	?	?	?	?	?	?	26 ?	12	0	0	0	0	0	0	0	62 ?
24	0	0	0	0	0	0	6 ?	22	?	?	?	?	?	?	?	27 ?	11	0	0	0	0	0	0	0	66 ?
25	0	0	0	0	0	0	5 ?	23	?	?	?	?	?	?	?	58 ?	22	0	0	0	0	0	0	0	108 ?
26	0	0	0	0	0	0	4 ?	29	121	231	284 ?	305 ?	239	169	106	53	15	0	0	0	0	0	0	0	1557 ?
27	0	0	0	0	0	0	?	36	103	142 ?	?	?	?	217 ?	174 ?	90	25	0	0	0	0	0	0	0	787 ?
28	0	0	0	0	0	0	?	23	?	?	?	?	?	?	?	20 ?	8	0	0	0	0	0	0	0	51 ?
29	0	0	0	0	0	0	?	21	?	?	?	?	?	?	?	25 ?	13	0	0	0	0	0	0	0	59 ?
30	0	0	0	0	0	0	?	22	108	169 ?	?	?	?	?	?	33 ?	18	0	0	0	0	0	0	0	351 ?
Avg	0	0	0	0	0	0	7	34	86	119	146	145	129	109	86	53	18	0	0	0	0	0	0	0	722 ?
S D	0	0	0	0	0	0	4	16	39	64	93	95	73	58	42	29	9	1	0	0	0	0	0	0	465
S/A	0	0	0	0	0	0	0.6	0.46	0.45	0.54	0.64	0.66	0.57	0.54	0.49	0.54	0.51	4.9	0	0	0	0	0	0	0.64
Min	0	0	0	0	0	0	1	4	25	25	36	57	35	31	39	12	3	0	0	0	0	0	0	0	51
Max	0	0	0	0	0	0	16	65	181	236	288	305	273	217	174	113	37	4	0	0	0	0	0	0	1557
n	0	0	0	0	0	0	90	344	290	265	254	235	237	243	252	281	318	3	0	0	0	0	0	0	2815

Daylight Data Recovery: 0.0% missing; 23.3% exceed the 15% QC threshold -- 3672 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 μV/W/m² Calibration Date: 05/1998

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
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

Dry Bulb Temperature (Tower)
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	4.5	4.2	3.8	3.3	3.1	3	2.9	4.2	6.8	9.1	10.5	11	11.8	12.5	13	12.9	12.5	10.8	9.7	8.9	8.7	8.2	7.5	7	7.9
2	6.8	6.1	5.1	4.3	3.5	2.5	2.2	3.4	6.3	7.9	8.9	9.5	10.2	10.9	11.6	12.1	11.7	9.7	8.7	7.7	7.2	7.1	6.8	6.9	7.4
3	7.1	6.3	5.2	4.5	3.8	3.5	3.1	4	7.4	10.6	11.5	12.3	13.1	14.2	14.3	13.3	11.5	10.1	9.4	9	9	9	8.9	8.9	8.7
4	9.1	9.1	8.7	8.3	7.9	7.1	6.8	7.2	8.5	10.3	11.7	11.9	12.1	12.1	12.3	12.4	12.5	12.1	11.6	10.4	9.8	9.3	9	8.5	10
5	8	8	7.9	8.3	8.6	8.5	8.6	8.7	10.4	12.4	13.3	13.7	13.4	13.2	12.7	12	11.5	11	11.2	11.9	12.8	14.4	16.4	17.7	11.4
6	18.8	20.3	20.6	20.3	20.2	18.3	16.6	15	13.9	13.9	13.6	13.2	12.6	12.5	12.7	12.8	12	11.1	10.9	10.4	9.7	9.3	8.3	7.4	13.9
7	6.3	5.8	5.5	5.2	4.8	4.3	4.5	5.1	6.4	8.8	10.5	11.6	12.3	12.9	13.1	12.7	11.9	10.5	8.9	8	6.7	5.6	5	4.6	8
8	4.5	4	4.4	5.1	5.3	5.7	5.7	6.9	9.6	12	13.4	14.7	15.6	16.4	17	17	16.1	14.2	13.1	12.5	12.2	11.8	11.5	11	10.8
9	10.8	10.6	10.5	10.3	10.1	9.8	10	11.1	13.7	16.4	18.4	19.8	20.6	21.4	22.1	21.9	20.5	18.4	17.1	16.4	15.6	15	14.6	14.5	15.4
10	14.7	15.2	16.2	16.7	16.9	17.2	17.3	18	19	20.7	22.2	23.1	23.9	24.2	24.5	24.5	23.3	21.9	21.1	20.5	20.3	20.8	21	20.9	20.2
11	21	20.9	20.7	20.5	20	19.7	20	20.9	22.5	23.8	25.4	26	26.1	19.5	19.4	19	19.1	19	18.9	18.9	18.7	18.4	18.3	18.2	20.6
12	18.2	18	17.8	17.5	17.1	16.9	16.9	17.1	17.6	19.4	21.1	22.5	21.2	19.1	19.2	19.4	19.5	19.5	18.4	14.5	13.8	13.4	12.8	12.3	17.6
13	12	11.6	11.2	10.9	10.7	10.9	10.9	10.9	10.9	10.6	10.6	10.4	9.6	8.8	8.9	9.9	9.7	9.9	9.5	8.7	7.7	7.2	7	5.6	9.7
14	4.6	4.2	3.7	3.4	3.2	3	2.9	3.9	6.5	9.4	11.2	13.2	14.8	14.9	15.1	14.8	13.3	11.6	10.9	10.7	10.3	10.3	9.5	9.5	8.9
15	9.3	9	8.7	8.3	7.9	7.4	6.9	7.8	10.2	12.7	14.5	15.8	16.6	17.6	17.4	17.4	16.3	14.8	14.1	14.4	14.3	14.8	14.6	15	12.7
16	15.4	15.5	15.4	15.2	15.1	15	14.9	14.7	15.9	16.9	17.5	17.3	17.3	17	16.9	16.7	16.4	16.5	16.3	16.6	17.2	18	18.7	16.7	16.4
17	15.6	15.4	15.3	15	14.9	14.8	14.7	14.5	14.5	14.6	14.8	14.6	14.4	14.3	13.9	12.6	10.3	9.3	9	7.9	7.4	7.2	7	7.2	12.5
18	7.3	7.3	7.3	6.9	5.7	4.8	4.3	4.4	5.7	7	8.5	9.4	10.4	11.2	12	12.1	11.5	9.8	8.6	7.6	6.8	5.3	5.1	4.9	7.7
19	4.9	4	3.6	3.2	3.4	4.1	3.7	5.3	8.1	9.6	11.4	12.9	14	14.5	15.2	15.5	14.8	12.7	12.1	11.6	10.5	10.3	10.4	9.8	9.4
20	9.5	8.8	8.5	8	7.7	7.2	6.6	6.8	8.5	11.1	13.4	15.1	15.8	16.3	16.1	15.8	14.6	13.2	12.4	12.1	12	12.5	12.5	12.4	11.5
21	11.8	11.3	11.5	11.6	11.6	11.5	11.6	11.8	12.6	13.9	15.4	16.2	16.9	17.2	17	16.5	15.8	15.4	14.8	14.8	14.8	14.4	14.6	14.8	14.1
22	14.1	13.4	13	12.8	12.4	12.1	11.8	11.7	12.1	12.5	13.3	14.8	15.4	15.4	15.2	13.1	11.9	10.5	9.5	8.1	7.3	6.7	6	5.4	11.6
23	4.8	4.6	4.2	4	3.7	3.4	2.9	2.9	3.9	5.3	6.7	7.7	8.6	9.5	10.2	10.4	9.7	8.3	7.5	6.9	6.7	6	6	5.5	6.2
24	5.1	5.4	5.6	5.1	5.1	5.2	5.3	5.8	7.6	9.8	11.7	13.7	14.6	15.7	16.1	16.4	16	13.2	11.5	10.2	9.1	9.3	9.6	9.2	9.8
25	8.6	8	7.6	6.9	6.7	6.7	6.5	7.6	9.8	12.4	15.5	17.9	18	18.7	19.4	19.4	17.9	15.8	14.8	14.2	13.1	12.7	11.9	11.2	12.6
26	11	11	10.6	10.3	9.1	8.7	8.4	8.3	8.8	10	11.1	11.8	11.8	11.8	11.7	11.6	11.4	11.2	10.9	10.4	9.9	9.3	8.4	7.1	10.2
27	6.1	5.8	5.6	5.5	4.9	4.5	4.1	4.5	6.6	7.7	8.4	8.6	8.6	8.6	8.1	7.7	6.9	5.8	5	4.4	4	3.6	3.6	2.9	5.9
28	2.2	1.9	1.3	0.7	0.1	-0.2	-0.2	0.2	1.5	2.7	3.8	4.6	5.2	6	6.2	6.2	5.2	3.7	2	1	0.3	-0.4	-0.8	-0.2	2.2
29	-0.2	-0.4	-0.4	-0.2	-1	-1.5	-2	-1.2	0.3	2.3	4	5.4	7	8.5	9.4	9.9	9.3	8.3	8.2	7.8	8	7.7	8	8.6	4.4
30	8.7	8.7	8.7	8.6	8.4	8.2	8.2	8	8.5	9.4	10.6	12	13.2	13.7	14	14.4	13.9	12.5	12.1	11.7	11.1	10.3	9.3	7.8	10.5
Avg	9.4	9.1	8.9	8.7	8.4	8.1	7.9	8.3	9.8	11.4	12.8	13.7	14.2	14.3	14.5	14.3	13.6	12.4	11.6	10.9	10.5	10.3	10	9.7	10.9
S D	5.1	5.3	5.4	5.5	5.6	5.5	5.6	5.3	4.9	4.8	4.8	4.9	4.7	4.1	4.1	4	4	4	4.1	4.2	4.3	4.6	4.8	4.9	4.3
S/A	0.55	0.58	0.61	0.64	0.67	0.69	0.71	0.64	0.5	0.42	0.38	0.35	0.33	0.29	0.28	0.28	0.3	0.33	0.35	0.38	0.41	0.45	0.48	0.5	0.39
Min	-0.2	-0.4	-0.4	-0.2	-1	-1.5	-2	-1.2	0.3	2.3	3.8	4.6	5.2	6	6.2	6.2	5.2	3.7	2	1	0.3	-0.4	-0.8	-0.2	2.2
Max	21	20.9	20.7	20.5	20.2	19.7	20	20.9	22.5	23.8	25.4	26	26.1	24.2	24.5	24.5	23.3	21.9	21.1	20.5	20.3	20.8	21	20.9	20.6
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI 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
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

Relative Humidity (Tower)
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	103.1	103.3	103.4	104.1	104.3	104.4	104.6	103.5	96.1	83.1	73.2	71.4	67.5	63.4	56.7	58.1	60.5	69.7	76.7	82.6	84.9	87.7	89.6	89.6	85.1
2	89.3	92.2	96.4	98.7	100.1	102.3	103.1	98.1	77	60.2	55.1	52.2	47.4	43.1	40.8	40.2	43.6	53.3	60	67.1	70.9	71.1	74.8	73.6	71.3
3	72.6	76.1	81.4	81.3	84	87.5	90.4	88	71.7	60.1	58.1	50	46.5	42.8	39.8	48.3	64.5	71.4	76.6	81	83.5	85.5	86.1	89.4	71.5
4	89.1	91.4	99.3	103	97.3	100.2	103.8	103.7	98.3	91.3	84.6	82.1	81.9	83.2	83.7	84.5	84.8	86.8	90.2	96.7	99.4	100.2	101.8	102.8	93.3
5	103.8	103.6	102.3	99.4	94.9	94.1	93.4	93.2	88.6	79.3	71.4	67.1	69.3	70.9	80.7	92	96.4	101.3	102.9	104.9 ?	?	?	?	?	90.5 ?
6	?	104.5 ?	103.9	104.6	104.3	104.7	104.9 ?	?	?	?	104.7 ?	103.7	103.1	102.3	101	99.8	100.6	101.7	100.2	96.1	98.1	94.4	96	97.4	101.3 ?
7	99.7	98.1	97.2	96	96.1	97.6	96.8	92.6	86.8	76.2	69	61.4	54	51.8	50.6	52.1	56.4	66.4	75.2	80.8	89.5	96.4	99.5	100.1	80.8
8	98.1	101.3	98.9	98.2	102.3	101.2	100.9	97.9	89.8	72.8	62.3	56.8	53.5	52.9	51.9	54	61.2	70.7	77.3	88.9	94.5	96.9	98.2	99.5	82.5
9	99.6	97.5	96.4	97.3	98	99.6	99.7	98.3	91.3	77.2	73	69.2	66	61.6	57.3	59	66.6	77.1	82.9	86.1	89.8	91.2	93.5	97.1	84.4
10	98.7	99.8	98.7	98.3	102.2	104.3	103.5	101.9	100.7	95.8	90	86.4	82.3	79.2	78.9	79.6	84.5	92.8	96.1	97.8	100.1	98.9	96.3	95.8	94.3
11	96.9	99.6	102.2	103.3	104.2	104.7	104	102.2	98.7	94.6	88.1	83.8	81.3	102	103.1	102.9	102.1	102.4	102.9	102.3	103	104	104.3	104.2	99.9
12	104.3	104.8 ?	?	?	?	?	?	?	?	102.5	98.5	96.3	101	104.9 ?	104.4 ?	104.5	104.2	104.1	103.8	103.3	103.6	103	102.3	102.9	102.9 ?
13	103.7	104	104.6	104.8	104.4	103	103.3	103.4	102.9	102.9	101.8	101.6	102.5	100.4	96.8	90	87.8	84.2	85.8	88.5	92.7	92.3	90.1	97.5	97.9
14	100.1	100.3	101.6	102	102.4	102.8	102.2	98.8	90.1	80.1	71.9	62.7	56.2	55.4	55.4	60.5	68	74.3	78.9	84.1	88.9	91.3	95.8	96.4	84.2
15	97.8	98.7	100	101.4	101.6	101.5	103.1	101.2	90.8	77	65.6	62.2	55.2	41.3	55	62.5	69.4	76.9	82.3	89.5	91.6	91.6	98.5	100.3	84
16	101.9	104.3	?	?	?	?	?	?	?	104.8 ?	103.6	104.5 ?	?	?	?	?	?	?	?	?	?	?	?	?	103.8 ?
17	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	105 ?	?	104.8	104.4	103.4	100.3	100.5	100.8	102.7 ?
18	100.5	100.6	98.2	94.3	89.3	88.5	89.2	88.6	81.1	73.2	65.4	60.7	57.5	53.1	49.7	49.1	52.5	61.1	69.3	74.8	81.5	93.5	94	93.9	77.5
19	92.9	99.4	102.3	102.2	102.2	97.4	99.6	97.9	86.7	74.1	68.1	60.3	58.3	58.9	59.1	58.5	63.6	74	73.8	78.4	81.5	78.8	74.3	76.4	79.9
20	77.3	80.4	80.8	82.2	83	86.2	90.4	92.3	89.2	84.2	81.2	73.7	68.8	64.1	66.9	69.5	77.4	86.6	92.2	95	96.9	95.4	96.1	97.1	83.6
21	98.6	100.1	100.3	101.5	102.6	103.6	103.4	103.5	102.4	99.1	93.4	87.5	83.1	81.9	91.9	96.9	100.1	101	102.9	103	103.1	104.3	?	?	98.4
22	?	?	?	?	?	?	?	?	?	102.7 ?	97.6	89	82.8	77.8	70	79.3	78.9	73.4	68.6	63.2	64.4	65.7	69.8	68.7	76.8 ?
23	69.8	70	71	71.4	72.5	71.2	70.1	68	63.4	57	51	47.7	45.3	42.5	41.4	42	46.5	54.8	58.3	63.6	67.9	71.7	73.3	77.1	61.1
24	80.9	81	86.4	86.5	81.3	78.6	78	75.9	68.9	60.9	56.4	50	48.3	47.4	47.2	47	50.9	65.3	73.5	81	85.8	89.1	90.8	94.8	71.1
25	96.8	98	99.3	101.6	103.2	103.2	103.8	102.2	94.1	81.2	65	52.5	50.3	48.8	45.3	41.7	46.7	52.9	54.5	57.9	68.9	77.2	86	92	76
26	93.5	90.2	87.1	82.3	86.6	87.4	94.6	93.6	90.5	87.6	85.9	85	85.1	85.4	87.8	89.4	92.1	93.8	93.8	94.5	96.4	98.2	100.3	102.9	91
27	104.6 ?	?	105 ?	104.6	104.7	?	?	104.9 ?	100.2	83.8	59.8	55.3	55.7	54.5	56.5	56.9	59.8	64.2	67.8	69.1	67.4	64.5	60.8	63.9	74.5 ?
28	67	67.4	70.2	70	72.2	73	71.1	67.9	62.9	61	61.9	58.6	54.3	46.6	44.9	45.6	48.6	58.6	70.6	75.9	79.5	75.7	72.4	68.3	64.3
29	71.3	76.3	77.8	77.5	79.3	81.1	82	77.8	73	64.9	58	52.4	48.4	43.4	39.8	41.1	44.3	49.9	51.1	54.9	55.2	59.2	59.8	57.9	61.5
30	57.6	58.8	59	59.7	61	63.5	65.1	67.2	67	65	60.8	57.1	52.7	51.3	51.8	50.9	52.9	60.3	62.1	61.4	52.6	49.7	49.5	51.7	57.9
Avg	91.5	92.7	93.2	93.3	93.6	93.7	94.4	92.9	86.5	80.5	75	70.4	66.4	64.7	64.6	66.3	71.4	76	80.5	83.7	85.5	86.7	87.2	88.6	83.5 ?
S D	13.5	13.1	12.5	12.7	12.3	12.1	12.1	12.1	12.5	14.8	16.4	17.7	18	20.5	21.2	21.2	20.4	16.9	16	15	14.8	14.7	15	15.3	13.4
S/A	0.15	0.14	0.13	0.14	0.13	0.13	0.13	0.13	0.14	0.18	0.22	0.25	0.27	0.32	0.33	0.32	0.29	0.22	0.2	0.18	0.17	0.17	0.17	0.17	0.16
Min	57.6	58.8	59	59.7	61	63.5	65.1	67.2	62.9	57	51	47.7	45.3	41.3	39.8	40.2	43.6	49.9	51.1	54.9	52.6	49.7	49.5	51.7	57.9
Max	104.6	104.8	105	104.8	104.7	104.7	104.9	104.9	102.9	104.8	104.7	104.5	103.1	104.9	104.4	104.5	105	104.1	104.8	104.9	103.6	104.3	104.3	104.2	103.8
n	320	313	304	312	311	300	292	291	300	318	341	345	336	329	332	336	338	336	347	340	336	335	324	324	7761

Data Recovery: 0.0% missing; 10.2% failed QC -- 8640 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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	3.3	3.1	2.8	2.4	2	1.7	1.7	2.5	5.1	8.3	11.2	12.7	13.3	13.8	14.5	14.2	13.8	12.1	9.8	8.3	7.4	7	6.2	5.5	7.6
2	5.2	4.8	4.2	3.4	2.6	1.9	1	1.4	3.9	7.5	10.3	12.1	12.8	13.1	13.1	13.4	13.2	11.3	8.5	6.8	5.4	4.7	4.5	4.4	7.1
3	4.7	4.9	4.2	3.2	2.7	2.6	2.4	2.4	4.7	9.2	12.9	14.8	16.1	16.8	17	16.4	14.2	11.6	9.5	8.2	7.5	7.5	7.3	7.3	8.7
4	7.5	8	8.1	8.1	7.8	7.2	6.8	6.8	7.6	10	13.5	14.7	14.6	14.5	13.9	13.7	13.3	12.8	12.2	10.7	9.1	8.3	7.6	7.4	10.2
5	7	6.6	6.5	6.6	6.6	6.6	6.7	7	8.3	11.2	13.2	14.9	15.5	15	14.4	13.1	11.9	11.2	10.9	11.2	11.8	12.7	14.2	15.9	10.8
6	17.2	18.5	19.6	20	20.1	19.8	18.5	17.2	15.7	14.9	14.5	14.1	13.6	13.1	12.9	13	12.7	11.8	10.9	10.1	9	8.3	7.6	6.7	14.2
7	5.8	4.9	4.3	3.8	3.4	3	2.7	3.3	5.4	8.2	11.2	13.4	14.6	14.9	15	14.6	13.3	11.4	8.9	6.7	5.2	4	3	2.5	7.6
8	2.2	1.8	1.5	1.6	2.2	2.8	3.2	4	6.8	10.4	13.5	15.6	17	17.9	18.4	18.6	18	15.6	12.7	11.4	10.7	10.3	9.9	9.6	9.8
9	9.3	9	8.7	8.5	8.4	8.3	8.1	8.8	11.4	15	18	20.6	22	22.7	23.3	23.3	22.3	19.9	17.7	16.4	15.3	14.4	13.7	13.2	14.9
10	13	13.3	14.2	15.4	16.1	16.5	16.7	16.9	17.6	19.8	22.7	24.6	25.9	26.6	26.8	26.7	26	23.9	21.9	20.8	20.2	20	20.1	20.2	20.2
11	20.1	20.1	20	20	19.9	19.5	19.4	19.7	21.3	23.5	25.7	27.4	27.7	25.1	21.3	19.9	19.2	18.9	18.7	18.5	18.5	18.3	18.1	18	20.8
12	17.9	17.9	17.9	17.7	17.2	16.9	16.9	17	17.4	18.4	21.2	22.8	23	21.1	19.9	19.6	19.6	19.5	19.4	17.7	15.6	14.5	13.6	13	18.2
13	12.5	12	11.6	11.3	11	10.8	10.7	10.7	10.7	10.7	10.5	10.4	10.1	9.5	8.8	8.9	9.6	9.3	9.4	8.3	6.8	5.6	5.1	4.6	9.5
14	3.8	3	2.5	2	1.7	1.5	1.3	1.8	4.1	7.7	11.5	14.4	16.6	17.8	17.6	17.2	15.8	12.6	10.3	9	8.4	7.9	7.7	7.2	8.5
15	7.1	7	6.7	6.6	6.4	6.1	5.7	5.9	7.8	10.8	13.7	15.9	17.5	19	19.1	18.6	18	16.1	14.4	13.8	13.7	13.9	14.1	14.2	12.2
16	14.6	15	15.1	15.1	15.2	15.2	15.1	15	15.3	16.4	17.6	17.9	17.9	17.7	17.5	17.3	16.9	16.7	16.6	16.6	16.8	17.3	17.9	18.1	16.4
17	17	16.2	15.9	15.6	15.4	15.2	15	14.9	14.8	15	15.1	15.2	15.1	15	14.7	14.2	12.8	11	9.9	9.2	8.2	7.5	6.6	6.5	13.2
18	6.6	6.7	6.9	6.8	5.9	4.7	3.6	3.4	5	7.2	9.4	11.1	12.2	12.9	13.2	13.5	12.9	10.6	7.8	5.9	4.7	3.5	2.4	2.1	7.5
19	1.6	1.2	0.8	0.7	0.7	0.7	0.5	1	4.4	8.4	11.7	14.2	15.7	16.3	16.4	16.7	16.2	13.9	11.5	10.9	9.4	8.4	8	7.6	8.2
20	7.5	7.2	6.7	6.1	5.6	5.1	4.5	4.4	5.6	8.5	12.5	15.9	17.8	18.6	19	18.3	16.6	14.1	12.5	11.5	11.2	11.6	12	12.1	11
21	11.8	11.2	11.1	11.3	11.1	10.8	10.9	11.1	11.6	12.7	14.4	16	17	17.9	18.3	17.9	17	15.9	15.2	14.8	14.9	14.8	14.7	14.8	14.1
22	14.8	14.3	13.7	13.2	12.9	12.5	12	11.6	11.6	12	12.9	14.7	16.6	16.8	16.8	15.9	14	11.9	9.8	8.3	7.1	6.2	5.4	4.7	12.1
23	4	3.5	3.1	2.7	2.3	2	1.6	1.5	3	5.3	7.5	9.4	10.5	11	11.3	11.5	11.1	9	6.9	5.7	5.1	4.6	4	3.8	5.9
24	3.3	3.6	4.2	4.1	3.6	3.5	3.5	3.9	6	9	12	14.4	16.2	17.1	17.6	17.6	17	14.1	10.6	8.3	7.1	6.4	6.6	7	9
25	6.8	5.9	5.1	4.6	4.4	4.4	4.5	4.9	7.3	10.6	14.6	18.1	20	20.5	20.5	20.7	19.5	16.4	14	12.5	11.6	10.9	10.5	9.8	11.6
26	9.1	8.9	8.7	8.2	7.6	6.9	6.9	7	7.9	9.4	11.4	13	13.6	13.6	13.3	12.9	12.4	11.9	11.5	11.1	10.2	9.2	8.4	7	10
27	5.7	5.1	4.9	4.6	4.3	4	3.7	3.6	4.6	6.2	8.6	10.4	11	10.9	10.3	9.5	8.2	6.3	4.7	3.5	2.6	1.8	1.6	1.5	5.7
28	0.7	0.1	-0.2	-0.8	-1.5	-2	-2.2	-2	0	2.6	5	6.9	8	8.7	8.8	8.6	7.5	4.4	1.4	-0.8	-2.1	-3.1	-3.8	-3.9	1.7
29	-3.4	-3.3	-3.1	-2.9	-2.7	-3.1	-3.6	-3.6	-1.4	1.6	4.3	6.5	7.9	9.2	10.1	10.7	10.5	8.7	7.3	6.7	6.6	6.6	6.7	7.2	3.5
30	7.7	7.9	8	8.1	8.1	8.1	8	7.8	7.9	8.8	10.3	12.3	14.2	15.2	15.4	15.4	15	13.3	11.8	10.8	10	9.2	8.5	7.6	10.4
Avg	8.2	8	7.8	7.6	7.4	7.1	6.9	7	8.4	10.6	13	14.8	15.8	16.1	16	15.7	15	13.2	11.6	10.4	9.6	9.1	8.8	8.5	10.7
SD	5.7	5.8	6	6.1	6.2	6.2	6.3	6.1	5.4	4.8	4.6	4.6	4.4	4.2	4.1	4.1	4.1	4.4	4.6	4.8	5.1	5.3	5.5	4.5	4.5
S/A	0.7	0.73	0.77	0.8	0.84	0.88	0.91	0.87	0.64	0.45	0.35	0.31	0.29	0.27	0.26	0.26	0.27	0.31	0.38	0.44	0.5	0.56	0.61	0.65	0.42
Min	-3.4	-3.3	-3.1	-2.9	-2.7	-3.1	-3.6	-3.6	-1.4	1.6	4.3	6.5	7.9	8.7	8.8	8.6	7.5	4.4	1.4	-0.8	-2.1	-3.1	-3.8	-3.9	1.7
Max	20.1	20.1	20	20	20.1	19.8	19.4	19.7	21.3	23.5	25.7	27.4	27.7	26.6	26.8	26.7	26	23.9	21.9	20.8	20.2	20	20.1	20.2	20.8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: 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
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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	0.9	0.7	0.6	0.3	1.3	0.8	0.6	1.6	2.1	2.6	3.1	3.1	2.9	3.6	3.5	3.3	2	1.4	1.9	2.3	1.7	1.7	2	1.9
2	2.3	2.2	1.8	1.7	1.5	0.8	0.6	0.7	1.2	2	2.4	2.7	3.1	3.9	3.8	3.3	2.6	1.5	1.5	1.1	1.1	1.4	1.3	1.5	1.9
3	1.7	1.6	1.3	1.4	1.1	1	0.9	0.9	1.8	2	2.2	1.9	1.5	1.1	1.1	1.3	1.8	2.2	1.4	0.9	1.1	0.5	0.1	0.2	1.3
4	0.4	0.7	0.5	0.6	1.5	1	0.6	1	1.6	1	1	1.9	1.6	1.8	1.4	1.2	0.7	0.8	0.4	0.2	0.6	0.1	0.2	0.1	0.9
5	0.1	0.7	0.9	1.8	1.7	1.8	1.4	0.6	1	3.1	2.9	3.5	2.7	2.8	1.9	1.9	2.1	2.3	3.2	3.4	1.4	3.1	4.4	3.4	2.2
6	3.3	3.7	4.6	4.1	1.9	0.4	0.3	1.9	0.9	1.7	2.2	2	2.2	2.8	2.3	2.2	2.8	1.8	2.5	2.8	2.1	2.3	1.5	0.9	2.2
7	1.1	1.6	1.2	1.4	1.1	1.1	1.6	1.6	2.2	2.4	2.9	2.9	3.8	3.2	2.7	2.6	1.5	0.8	0.6	0.5	0.3	0.2	0.1	0.5	1.6
8	0.3	0	0.5	0.7	0.7	0.8	0.6	1	1.7	3.4	3.9	4	3.6	3.3	3	2.5	1.5	1.1	1.5	1.5	1.9	1.7	1.7	1.5	1.8
9	1.6	1.9	1.9	1.9	2	1.6	1.5	1.8	1.8	4	3.5	4.1	5.1	4.8	4.7	3.7	1.2	2.1	2.1	2.1	1.9	1.5	1.2	1	2.5
10	1.3	1.8	1.3	2	2.3	2.1	2.9	2.9	3.1	3	4.1	3.9	4.5	4	3.7	3.6	3.3	2.7	2.7	2.5	2.9	4	4.1	3.5	3
11	3.1	3	2	2.2	1.9	2	2.5	3	3.9	4	4.1	4.1	3.3	2.3	2.8	2.1	1.9	1.7	1.6	1	0.5	0.5	0.8	0.7	2.3
12	0.8	0.7	0.7	0.2	0.1	0.1	1.6	1.4	1.5	2.5	3.4	2.8	2.4	2.3	2.9	1.1	1.5	0.7	1.8	3.1	2.4	2.5	2.3	2.9	1.7
13	2.1	3	2.5	3.1	3	2.9	2.6	3	2.4	2.7	3.3	2.7	2.9	3.8	3.4	3.4	2.3	1.9	1.2	1	0.4	1.1	1.2	0.8	2.4
14	0.9	0.6	0.2	0.4	0.1	0.2	0.4	0.7	1	1	1.9	1.1	0.8	1.3	1.8	2.1	1.4	0.7	0.8	0.7	0.7	1.3	0.6	1.3	0.9
15	1.4	1.2	1.3	1.4	1	1	0.6	0.7	1.5	1.8	1.6	1.6	2	2.6	1.9	1.3	1.6	1.5	2.2	1.5	1.7	1.7	1.8	2.6	1.6
16	2.9	2.5	1.2	1.3	2.3	1.2	1.1	1.5	0.6	1.6	1.2	0.8	1.6	1.4	1.4	1.3	1.1	2.9	2.9	3.2	2.8	2.9	2.3	1.6	1.8
17	0.3	0	0.7	0.4	0.7	0.5	0.3	0.3	0.3	0.4	0.3	0.5	0.1	1.3	1.1	1.5	1.6	1.1	1.9	3.5	3.7	3.6	2.8	2.5	1.2
18	2.1	2.7	3.4	3.7	3.1	2.5	2.3	2.6	3.3	3.7	3.7	3.9	3.8	3.6	3	2.7	1.6	0.6	0.3	0.7	0.2	0	0.3	0.1	2.2
19	0	0	0	0.2	0.1	0	0	0	0.2	1.6	1.5	2.6	3.5	3.3	2.8	2.2	1	0.6	0.7	0.3	0.7	0.9	0.9	1.1	1
20	1.5	1.2	0.9	1.1	0.7	0.6	0.8	0.6	0.8	1.2	2.4	1.6	1.2	1.4	1.5	1.4	0.8	1.8	1.5	1.8	0.9	0.7	0.5	0.3	1.1
21	0.2	0.3	0.7	0.8	0.6	0.4	0.6	0.7	0.7	1	1.7	1.4	1.7	1.9	1.6	1.2	0.8	0.6	0.9	0.4	0.3	0.2	0.1	0.1	0.8
22	1.8	1	0.6	0.7	1.4	1	0.7	0.8	1	1.9	2.5	2.8	4	4.2	4.3	3.9	4	3.3	3.6	3.8	3.9	4.3	3.9	3.7	2.6
23	3.7	3.8	3.2	3.2	3.4	3.6	3.1	2.9	3.2	3.5	3.4	3.6	4	4.6	4.1	3.8	2.3	1.5	1.6	1.8	1.6	1.1	1.3	0.9	2.9
24	1.2	1.5	2.4	2.1	2	2.2	2	2.2	2.4	2.4	2.6	2.5	2.8	2.4	2.7	2.3	0.5	0.1	0	0.3	0.4	1.1	1.7	1.3	1.7
25	0.7	0.2	0.1	0.1	0.3	0.5	0.4	0.1	0.8	1	1	1.9	2.9	2.6	3	3.1	1.1	0.5	0.5	0.8	1	1.2	1	1.1	1.1
26	1.5	1.7	1.2	1.3	1.4	2.5	2.7	2.8	3.4	3.9	4.4	4.6	3.6	3.1	3.1	2.6	2.3	2.4	3.1	2	0.9	1	0.3	0	2.3
27	0.8	1.3	1.2	0.7	0.4	0.7	0.8	1	3	4	4.8	4.2	4.3	3.9	3.6	3.3	3.4	2.8	2.3	2.2	2	2.6	2.9	2	2.4
28	1.9	2.4	2.4	2	1.9	2.2	2.4	2.5	3.1	2.8	3	2.6	2.2	1.2	1.5	1.3	0.5	0.6	0.2	0.5	0.3	0.5	0.8	1.4	1.7
29	1.2	1.4	1.6	2	2	1.8	1.5	1.6	2.7	3.3	3.4	4.8	4.3	4.3	4.8	4.5	3.6	3.1	3.3	3.7	4.2	4.4	4.9	5.5	3.2
30	4.9	4.1	5	5.1	5.1	4.5	4.1	3.8	4	4.6	4.6	4.6	4.5	5.7	5.5	5.8	4.6	2.7	2.6	2.6	2.5	3.2	3.7	4.9	4.3
Avg	1.5	1.6	1.5	1.6	1.5	1.4	1.4	1.5	1.9	2.5	2.8	2.8	2.9	2.9	2.8	2.5	2	1.6	1.7	1.7	1.6	1.7	1.7	1.7	1.9
SD	1.1	1.1	1.2	1.2	1.1	1.1	1	1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.1	0.9	1	1.1	1.1	1.3	1.4	1.4	0.8
S/A	0.75	0.72	0.8	0.77	0.75	0.75	0.75	0.68	0.58	0.46	0.42	0.42	0.41	0.41	0.45	0.55	0.56	0.6	0.66	0.73	0.76	0.82	0.86	0.86	0.41
Min	0	0	0	0.1	0.1	0	0	0	0.2	0.4	0.3	0.5	0.1	1.1	1.1	1.1	0.5	0.1	0	0.2	0.2	0	0.1	0	0.8
Max	4.9	4.1	5	5.1	5.1	4.5	4.1	3.8	4	4.6	4.8	4.8	5.1	5.7	5.5	5.8	4.6	3.3	3.6	3.8	4.2	4.4	4.9	5.5	4.3
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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	283	291	279	282	277	280	276	265	266	259	271	281	281	283	280	278	279	267	246	239	262	270	274	272	273
2	280	283	295	295	286	293	296	310	328	358	295	281	271	259	266	267	268	250	241	236	230	230	225	240	273
3	260	265	280	295	303	303	292	329	350	32	34	33	47	230	287	172	114	86	87	92	114	118	104	138	11
4	122	117	359	11	10	35	66	91	79	91	197	221	234	252	266	273	322	351	52	55	41	31	17	3	338
5	319	351	351	17	13	13	17	14	61	77	77	83	76	83	72	74	77	80	84	89	86	123	139	165	81
6	173	216	223	234	235	287	309	308	297	297	312	300	300	306	306	303	305	303	309	312	302	310	305	291	280
7	280	274	278	280	273	270	275	287	305	310	313	314	328	322	324	310	304	298	274	289	248	252	182	193	302
8	219	224	209	204	208	213	214	223	216	229	230	230	225	221	206	199	198	192	179	190	205	211	199	206	214
9	208	217	213	214	222	213	203	204	215	227	239	232	232	230	222	190	158	168	171	172	177	177	177	182	214
10	177	185	190	160	176	161	169	177	191	202	183	184	202	195	184	176	173	173	175	181	186	198	195	199	185
11	201	200	206	195	196	193	198	195	199	202	200	206	203	154	149	180	169	188	152	148	225	126	163	161	190
12	169	175	133	132	98	121	102	84	91	111	129	134	221	178	213	180	204	231	299	316	318	336	333	328	188
13	334	325	300	305	308	321	318	323	299	309	313	307	288	288	288	293	288	290	279	281	281	283	288	253	302
14	255	256	256	256	252	257	250	259	268	245	244	257	222	202	213	176	175	159	148	143	163	176	166	177	209
15	182	165	175	174	194	195	188	204	209	205	209	179	178	192	185	127	100	92	95	105	103	102	92	97	152
16	100	103	115	98	98	98	78	90	85	97	71	93	75	79	75	57	43	55	63	75	94	128	169	254	90
17	223	208	303	306	27	351	282	273	275	47	259	276	282	39	48	290	300	314	304	274	283	292	280	270	294
18	263	245	249	245	245	236	236	236	241	245	249	250	247	248	253	255	251	267	257	230	242	153	152	220	246
19	0	0	0	130	155	181	0	294	238	232	171	157	193	203	205	208	169	214	224	223	205	208	226	244	200
20	241	251	264	269	279	302	306	312	3	7	35	50	78	92	90	75	61	48	53	42	55	54	48	353	34
21	319	310	311	353	1	354	349	355	12	19	38	38	35	34	37	46	49	343	61	315	325	215	215	265	21
22	249	245	237	212	220	203	189	159	186	197	222	192	209	236	236	243	247	243	253	252	247	248	249	250	235
23	251	248	251	252	255	255	250	258	260	262	275	259	256	246	247	237	233	229	209	202	206	194	216	192	247
24	188	189	202	203	201	202	204	206	221	234	232	240	236	234	235	231	225	101	115	108	80	88	99	120	212
25	140	145	150	124	137	147	144	158	191	194	170	157	164	176	196	206	184	159	142	134	143	169	186	196	175
26	211	220	220	230	276	306	338	346	351	353	5	357	4	8	5	357	13	341	325	321	328	282	271	264	341
27	236	266	270	269	261	261	240	267	298	310	303	302	307	309	305	307	316	319	326	310	310	299	313	301	303
28	296	300	295	285	286	288	293	294	303	308	332	325	320	322	355	0	15	20	107	244	236	219	208	206	304
29	204	194	210	232	244	245	228	224	232	240	205	201	197	191	188	180	183	183	183	189	187	190	196	200	200
30	200	199	204	210	208	196	203	197	197	204	205	198	196	200	202	210	209	192	221	240	261	247	258	274	211
Avg	224	233	238	241	243	247	242	246	253	253	252	239	238	235	236	234	234	227	216	233	228	221	218	228	238
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1.8	1.8	1.5	1.5	0.8	2.3	1.6	1.2	2.6	3.5	4.5	5.1	5.8	5.1	6.8	5.7	5.4	3.1	1.9	2.6	3.4	2.7	2.7	3.2	3.2
2	3.8	3.7	3.2	3.1	2.5	1.8	1.4	1.7	2.6	3.4	4.6	4.7	5.5	5.9	6.2	5.4	4.3	2.2	2.1	1.5	1.5	1.8	1.9	2.2	3.2
3	2.6	2.3	2.2	2.3	2.2	2	1.8	1.9	3	3.4	4.2	3.3	2.6	2.4	2.5	2.3	2.9	3.4	2.1	1.4	1.6	1	0.5	0.4	2.3
4	0.9	1.1	1	1.4	2.5	2.1	1.2	1.7	2.6	1.9	2.2	3.2	2.8	2.9	2.4	2.2	1.7	1.5	0.9	0.3	0.9	0.2	0.5	0.3	1.6
5	0.2	1.3	1.4	3.2	3	3.3	2.7	1.6	2	4.8	4.6	5.2	4.4	4.4	3.1	2.9	3.3	3.7	4.6	5.6	2.6	4.9	6.5	5.8	3.5
6	5.9	5.9	7.5	6.6	3.2	1.4	1.3	3.7	2.2	3.8	4.5	4	4.5	5.6	5	4.6	5.6	4.1	5.1	5.7	4.8	4.7	3.3	2.4	4.4
7	2.3	3	2.4	2.5	2.3	2.2	3	3.3	4.1	4.6	5.2	5.6	7.1	5.9	5.2	4.7	3	1.7	1.1	1.1	0.7	0.4	0.3	1	3
8	0.6	0.1	0.9	1.2	1.2	1.5	1.1	1.7	2.9	5.4	6	6.5	6	5.1	4.9	4.4	2.6	2.2	2.6	2.7	3.3	2.8	2.8	2.4	3
9	2.6	3	2.9	2.8	2.9	2.4	2.3	2.8	3.4	6	5.8	6.3	7.8	7.7	7.6	5.8	2.1	3.2	3.3	3.2	3	2.4	2.2	1.7	3.9
10	2.1	3	2.2	3.1	3.7	3.5	4.6	5.3	5.5	5.2	7.1	6.8	7.3	6.6	6.6	6.5	5.5	4.3	4.5	4.3	5	6.6	6.8	5.9	5.1
11	5.4	4.9	3.3	4	3.3	3.7	4.1	4.9	6.5	6.4	7	6.6	5.6	3.8	4.6	3.7	3.2	2.8	2.6	2.1	1.2	1.2	1.6	1.9	3.9
12	1.9	1.8	1.6	0.7	0.3	0.3	2.3	2.3	2.8	4.3	5.5	4.6	4	4.3	4.8	2.3	2.8	1.8	3.5	5.1	4.4	4.5	4	5	3.1
13	4	5	5	6.1	5.5	5.5	4.7	5.3	5	5	6.2	5.2	5.7	7.5	6.6	6.9	5	4.2	2.9	2.7	1.4	2.8	2.7	1.9	4.7
14	2.2	1.7	1	1.3	0.7	1.1	1.3	1.9	2.4	2.3	3.2	2.5	1.7	2.6	3.2	3.5	2.4	1.5	1.5	1.2	1.4	2	1.5	2	1.9
15	2.1	2.2	2.3	2.2	1.6	1.6	1.2	1.4	2.3	2.7	2.6	2.7	3.6	4.4	3.1	2.1	2.3	2.2	3.1	2.5	2.5	2.7	2.6	4	2.5
16	4.1	3.5	1.9	1.9	3.3	1.8	1.8	2.3	1.3	2.6	2.1	1.5	2.9	2.6	2.4	2.5	2.1	4.5	4.8	5.2	4.3	4.7	4.2	3.2	3
17	0.9	0.2	1.8	1	1.4	1.4	1.1	1.1	1	1.1	0.8	1.4	0.4	2.5	2.3	3.6	3.2	2.6	3.8	6.3	6.8	6.6	5.4	5.1	2.6
18	4.4	5	6.1	6.1	5.2	4.1	3.9	4.6	6.1	6.4	6.7	6.5	6.1	6.4	5.6	5	2.8	1.4	0.7	1.1	0.5	0.2	0.6	0.3	4
19	0	0	0	0.3	0.3	0.1	0	0.1	0.5	2.4	2.7	4.2	5.6	5.1	4.5	3.6	1.8	1	1.2	0.6	0.9	1.2	1.4	1.7	1.6
20	2	1.8	1.6	1.9	1.3	0.9	1.2	1.3	1.6	2.3	3.6	2.8	2.2	2.7	2.5	2.2	1.3	2.6	2.2	2.7	1.6	1.3	1	0.7	1.9
21	0.6	0.7	1.3	1.4	1	0.8	1.1	1.3	1.4	1.6	2.6	2.4	2.8	3.1	2.5	2.1	1.5	1.1	1.6	1.1	0.7	0.5	0.4	0.2	1.4
22	3.6	1.8	1.4	1.3	2.3	1.9	1.4	1.7	2.2	3.1	4.1	4.5	6.5	6.9	7	6.8	7.1	5.3	6.6	7	6.4	7.2	6.9	6.7	4.6
23	6.7	6.3	5.8	5.4	5.8	6.2	5.7	5.2	6.1	6.3	6.2	6.3	7.4	7.6	7.2	5.7	3.7	2.2	2.2	2.6	2.4	1.7	1.9	1.4	4.9
24	1.8	2.4	3.4	2.8	2.9	3	2.7	3.2	3.6	4.2	4.2	4.6	4.6	4	4.3	3.6	1	0.3	0	0.6	0.6	1.4	2.2	1.9	2.6
25	1	0.5	0.3	0.3	0.7	0.9	0.8	0.4	1.3	1.9	2.1	3.3	4.5	4	4.8	4.4	1.9	1.1	1	1.2	1.8	1.9	1.5	1.7	1.8
26	2.1	2.2	1.6	1.8	2.2	3.6	4.3	4.6	5.4	6.3	6.8	7.3	5.8	5.2	5	4.4	4.1	4	5	3.3	1.7	1.9	0.9	0.1	3.7
27	1.2	2.4	2.2	1.4	1.1	1.6	1.3	2.2	5.4	6.9	8.3	7.3	7.1	6.9	5.9	5.6	5.6	4.4	3.5	3.6	3.3	4.4	4.8	3.3	4.2
28	3.2	4.1	4.3	3.7	3.4	3.9	4.3	4.6	5.6	5	4.9	4.7	4.1	2.6	2.8	2.5	1.1	1.1	0.5	0.9	0.8	0.7	1.1	1.8	3
29	1.6	1.9	2.1	3.2	3.2	2.8	2.3	2.5	4.3	5.3	5.4	7.4	6.6	7	7.4	7	5.7	4.7	5.4	5.8	6.4	6.6	7.1	8.5	5
30	7.5	6.4	7.3	7.9	7.7	6.8	6.3	5.7	6.1	7.2	7.1	7.3	7	8.5	8.2	8.8	6.8	4	4.1	4	4.8	5.3	6.6	9.1	6.7
Avg	2.6	2.7	2.7	2.7	2.6	2.5	2.4	2.7	3.4	4.2	4.7	4.8	4.9	5	4.8	4.4	3.4	2.7	2.8	2.9	2.7	2.9	2.9	2.9	3.3
S D	1.9	1.8	1.9	1.9	1.7	1.6	1.6	1.6	1.8	1.7	1.8	1.8	1.9	1.8	1.8	1.8	1.7	1.3	1.7	1.9	1.9	2.1	2.2	2.4	1.3
S/A	0.72	0.68	0.73	0.71	0.67	0.66	0.66	0.59	0.52	0.42	0.39	0.38	0.39	0.37	0.38	0.41	0.51	0.49	0.59	0.65	0.7	0.74	0.77	0.84	0.37
Min	0	0	0	0.3	0.3	0.1	0	0.1	0.5	1.1	0.8	1.4	0.4	2.4	2.3	2.1	1	0.3	0	0.3	0.5	0.2	0.3	0.1	1.4
Max	7.5	6.4	7.5	7.9	7.7	6.8	6.3	5.7	6.5	7.2	8.3	7.4	7.8	8.5	8.2	8.8	7.1	5.3	6.6	7	6.8	7.2	7.1	9.1	6.7
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

Elizabeth City State University
36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5

November 2002

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	1018	1018	1017	1017	1017	1018	1018	1019	1019	1019	1019	1018	1017	1016	1016	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016	1017
2	1016	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1018	1017	1016	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016	1016	1017
3	1017	1017	1017	1017	1018	1018	1019	1020	1020	1021	1021	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1019
4	1018	1017	1017	1017	1017	1017	1017	1016	1017	1017	1017	1016	1015	1015	1015	1015	1015	1016	1016	1016	1017	1018	1018	1018	1018	1017
5	1018	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1017	1017	1016	1016	1014	1013	1012	1010	1009	1007	1005	1003	1003	1016
6	1002	1001	1000	999	998	998	997	998	997	997	997	996	996	996	997	999	1001	1003	1005	1006	1007	1008	1010	1010	1001	
7	1011	1012	1012	1013	1013	1014	1015	1016	1017	1018	1018	1018	1018	1018	1018	1018	1019	1020	1021	1021	1022	1022	1022	1022	1017	
8	1022	1022	1022	1022	1022	1022	1023	1024	1024	1024	1024	1023	1022	1021	1021	1020	1020	1020	1020	1020	1021	1021	1020	1021	1022	
9	1020	1021	1021	1020	1020	1021	1021	1021	1021	1021	1021	1020	1019	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1016	1019	
10	1016	1015	1015	1014	1015	1014	1014	1014	1015	1015	1015	1014	1013	1012	1012	1011	1010	1010	1011	1010	1009	1009	1009	1009	1012	
11	1008	1009	1009	1009	1010	1010	1010	1010	1011	1011	1011	1011	1010	1011	1012	1013	1012	1014	1014	1014	1015	1015	1016	1016	1012	
12	1016	1017	1016	1015	1015	1015	1016	1015	1015	1013	1013	1012	1011	1011	1010	1009	1009	1010	1011	1011	1011	1011	1011	1011	1013	
13	1011	1011	1011	1011	1011	1011	1012	1011	1013	1013	1012	1012	1013	1013	1014	1014	1015	1016	1016	1017	1017	1017	1017	1017	1014	
14	1017	1018	1018	1018	1018	1019	1019	1020	1021	1021	1021	1020	1020	1019	1018	1018	1018	1019	1019	1019	1018	1019	1018	1018	1019	
15	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1017	1017	1016	1016	1016	1016	1016	1016	1016	1015	1015	1014	1017	
16	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1010	1009	1008	1008	1007	1006	1005	1004	1003	1003	1002	1001	1009	
17	1001	1001	1001	1000	1000	1000	1001	1002	1002	1002	1002	1002	1002	1001	1000	1001	1001	1001	1002	1003	1004	1005	1006	1008	1002	
18	1009	1010	1012	1013	1014	1016	1018	1019	1020	1021	1022	1022	1022	1022	1022	1023	1023	1024	1024	1025	1025	1026	1026	1026	1020	
19	1026	1026	1025	1025	1025	1025	1025	1025	1025	1025	1025	1024	1023	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1024	
20	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023	1023	1022	1022	1021	1021	1020	1020	1020	1019	1019	1019	1018	1021	
21	1018	1017	1017	1016	1016	1015	1014	1014	1014	1014	1013	1012	1011	1010	1009	1008	1008	1007	1006	1006	1005	1004	1004	1003	1011	
22	1003	1002	1002	1002	1001	1002	1001	1001	1001	1001	1001	1000	999	999	999	999	1000	1001	1002	1004	1005	1005	1006	1006	1002	
23	1007	1007	1008	1009	1010	1011	1012	1013	1014	1015	1015	1014	1014	1014	1015	1015	1016	1017	1017	1018	1018	1018	1018	1018	1014	
24	1018	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1019	1018	1018	1017	1018	1018	1018	1018	1019	1019	1020	1020	1019	1018	
25	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1019	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	
26	1018	1018	1018	1018	1018	1019	1020	1020	1021	1021	1021	1021	1020	1020	1019	1019	1018	1018	1018	1018	1017	1016	1015	1014	1018	
27	1014	1014	1014	1013	1013	1014	1014	1014	1015	1016	1016	1016	1015	1015	1016	1017	1018	1018	1019	1020	1020	1020	1020	1020	1016	
28	1021	1020	1021	1021	1021	1021	1022	1022	1023	1023	1023	1022	1020	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1018	1020	
29	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1016	1014	1012	1010	1009	1009	1008	1008	1007	1008	1007	1006	1006	1005	1012	
30	1005	1004	1004	1004	1003	1003	1003	1003	1003	1003	1002	1001	1000	998	997	996	997	997	998	999	1000	1002	1002	1003	1001	
Avg	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1015	1014	1014	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1015	
SD	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	7	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	1001	1001	1000	999	998	998	997	998	997	997	997	996	996	996	996	997	997	998	999	1000	1002	1002	1002	1001	1001	
Max	1026	1026	1025	1025	1025	1025	1025	1025	1025	1025	1025	1024	1023	1022	1022	1023	1023	1024	1024	1025	1025	1026	1026	1026	1024	
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640	

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

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

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

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

Prepared by: Afshin M. Andreas, NREL