

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

August 2001

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	34	171	378	552	750	703	743	927	1007 ?	808 ?	588	437	203 ?	80	2	0	0	0	0	7382 ?	
2	0	0	0	0	0	33	192	361	570	766	914	1006	896	799	814 ?	?	373 ?	240	56	1	0	0	0	0	7022 ?	
3	0	0	0	0	0	32	187	315	557	643	743	940	933	831	790 ?	625	426	231	57	2	0	0	0	0	7312	
4	0	0	0	0	0	16	171	357	465	645	662	647	791	793	692	561	410	171	44	0	0	0	0	0	6424	
5	0	0	0	0	0	24	98 ?	382 ?	509	676	752	935	855	796	727	570	376	186	39	0	0	0	0	0	6924	
6	0	0	0	0	0	29	125	232 ?	487 ?	676	807	893	876	864	737	579	457 ?	151 ?	48	0	0	0	0	0	6961 ?	
7	0	0	0	0	0	25	82 ?	350	547 ?	697	840	901	914	817	676 ?	592 ?	381	156 ?	37	0	0	0	0	0	7015 ?	
8	0	0	0	0	0	19	59 ?	365 ?	483 ?	659	783	858	875	823	725	552 ?	351	133 ?	34	0	0	0	0	0	6718 ?	
9	0	0	0	0	0	25	132	298	486	625	749	866	811	799	684	442	301	158	34	0	0	0	0	0	6408	
10	0	0	0	0	0	22	107 ?	335	509	655	806	874	864	812	654	547	362	176	17	0	0	0	0	0	6742	
11	0	0	0	0	0	14	59	219	372	481	514	648	702	84	59	205	259	100	17	0	0	0	0	0	3733	
12	0	0	0	0	0	26	134	251 ?	?	583 ?	631	616	797	831	653	555	387 ?	177	41	0	0	0	0	0	5684 ?	
13	0	0	0	0	0	12	72	141	310	505	770	836	818	747	218	25 ?	10	5	9	0	0	0	0	0	4478	
14	0	0	0	0	0	7	24	42	98	240	221	150 ?	859 ?	695 ?	427	520	352	169	30	0	0	0	0	0	3834 ?	
15	0	0	0	0	0	12	82 ?	261	401 ?	557	785	629	753	849	739	589	?	154 ?	36	0	0	0	0	0	5848 ?	
16	0	0	0	0	0	18	129 ?	285 ?	537	706	812	876	912	862 ?	730	573	349	174	33	0	0	0	0	0	6996	
17	0	0	0	0	0	21	122	312	510	694	827	889	866	827	708 ?	531 ?	355	149	38	0	0	0	0	0	6850	
18	0	0	0	0	0	2	6	44	32	84	174	254	342	299	246	44	5	16	5	0	0	0	0	0	1554	
19	0	0	0	0	0	5	45	194	444 ?	427	245	305	409 ?	488	679	461	233	126	33	0	0	0	0	0	4094	
20	0	0	0	0	0	8	72	125	290	285	758	612	519	281	104	147	129	93	7	0	0	0	0	0	3430	
21	0	0	0	0	0	5	58	173	252	505 ?	561	589	575	318	271	266	193	123	42	0	0	0	0	0	3930	
22	0	0	0	0	0	7	60	251	509	686	760	897	781	426	398	260	247	143	26	0	0	0	0	0	5451	
23	0	0	0	0	0	19	83 ?	288	495	657	767	797	796 ?	802	689	515	325	135	21	0	0	0	0	0	6390	
24	0	0	0	0	0	2	16	41	93	245	287	501	148	168	374	125	118	89	15	0	0	0	0	0	2223	
25	0	0	0	0	0	9	68	297	456	686	760	880	889 ?	787 ?	712	568	375	167	27	0	0	0	0	0	6681	
26	0	0	0	0	0	4	56	104	188	262	116	241	265	256	309	221	248	153	22	0	0	0	0	0	2446	
27	0	0	0	0	0	16	72 ?	251 ?	498	649	769	839	835	765	643 ?	?	?	91 ?	10	0	0	0	0	0	5438 ?	
28	0	0	0	0	0	7	58	256	391	294	389	631	826	684	599	343	274	95	16	0	0	0	0	0	4862	
29	0	0	0	0	0	9	77	170	131	221	256	262	487	301	498	496	252	119	15	0	0	0	0	0	3294	
30	0	0	0	0	0	11	77	216 ?	385 ?	487	543	335	480	338	301	180	138	44	11	0	0	0	0	0	3546	
31	0	0	0	0	0	8	62	127	158	154	539	725	646	534	531	458	288	124	13	0	0	0	0	0	4367	
Avg	0	0	0	0	0	16	89	239	390	523	621	683	724	635	555	419	290	137	29	0	0	0	0	0	5291	
S D	0	0	0	0	0	9	48	102	161	199	231	246	213	256	220	188	120	54	17	0	0	0	0	0	1703	
S/A	0	0	0	0	0	0.61	0.54	0.43	0.41	0.38	0.37	0.36	0.29	0.4	0.4	0.45	0.41	0.39	0.58	2.96	0	0	0	0	0	0.32
Min	0	0	0	0	0	2	6	41	32	84	116	150	148	84	59	25	5	5	5	0	0	0	0	0	1554	
Max	0	0	0	0	0	34	192	382	570	766	914	1006	933	1007	814	625	457	240	80	2	0	0	0	0	7382	
n	0	0	0	0	0	231	319	322	327	359	371	369	343	352	329	330	326	343	301	4	0	0	0	0	4626	

Daylight Data Recovery: 0.0% missing; 7.5% exceed the 15% QC threshold -- 5000 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.

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

August 2001

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	*	*	?	?	?	?	?	?	?	?	?	?	439 ?	?	?	0	0	0	0	?
2	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	?	595 ?	614	215 ?	?	0	0	0	0	1425 *?
3	0	0	0	0	0	*	*	?	?	?	?	?	?	?	840 ?	?	?	?	411 ?	?	0	0	0	0	?
4	0	0	0	0	0	618 ?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?
5	0	0	0	0	0	394	182 ?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
6	0	0	0	0	0	*	*	?	414 ?	?	?	?	?	?	?	?	?	99 ?	?	0	0	0	0	0	?
7	0	0	0	0	0	?	?	571	?	?	?	?	?	?	475 ?	634 ?	?	236 ?	?	0	0	0	0	0	1916 ?
8	0	0	0	0	0	?	?	432 ?	307 ?	?	?	?	?	?	?	472 ?	?	212 ?	?	0	0	0	0	0	?
9	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	3 ?	?	?	?	0	0	0	0	0	?
10	0	0	0	0	0	12 ?	63 ?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
11	0	0	0	0	0	?	?	?	?	?	?	?	?	*	?	?	?	?	?	0	0	0	0	0	?
12	0	0	0	0	0	*	?	?	?	296 ?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
13	0	0	0	0	0	116	190	110	33 ?	?	?	?	?	?	?	*	*	*	?	0	0	0	0	0	449 *?
14	0	0	0	0	0	601 *?	?	?	?	?	?	?	285 ?	?	?	?	?	?	?	0	0	0	0	0	?
15	0	0	0	0	0	?	322 ?	288	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
16	0	0	0	0	0	?	*	?	?	?	?	?	?	722 ?	875 ?	?	?	?	357	0	0	0	0	0	1954 ?
17	0	0	0	0	0	?	?	?	?	?	?	?	?	?	708 ?	?	?	?	444 ?	0	0	0	0	0	?
18	0	0	0	0	0	?	*	*	*	*	*	?	?	?	?	?	*	*	*	0	0	0	0	0	*
19	0	0	0	0	0	?	*	*	406 ?	148	172 ?	?	124 ?	?	?	?	?	?	?	0	0	0	0	0	850 *?
20	0	0	0	0	0	?	?	?	?	?	?	?	?	?	40 ?	?	?	?	?	0	0	0	0	0	?
21	0	0	0	0	0	?	?	?	57 ?	27 ?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
22	0	0	0	0	0	319 ?	?	?	?	?	?	?	261 ?	?	?	?	?	?	?	0	0	0	0	0	?
23	0	0	0	0	0	248 ?	?	?	?	?	?	?	695 ?	?	?	*	*	*	*	0	0	0	0	0	?
24	0	0	0	0	0	*	*	*	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
25	0	0	0	0	0	?	?	?	?	?	?	?	?	718 ?	780 ?	?	*	?	608 ?	0	0	0	0	0	2106 ?
26	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
27	0	0	0	0	0	476	582 ?	226 ?	?	?	?	?	?	?	476 ?	?	?	145 ?	?	0	0	0	0	0	1904 ?
28	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
29	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
30	0	0	0	0	0	*	*	?	412 ?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
31	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
Avg	0	0	0	0	0	348	268	325	271	157	172	N/A	341	720	599	369	595	291	407	0	0	0	0	0	1970 ?
S D	0	0	0	0	0	218	198	180	180	135	0	0	246	2	295	328	0	197	142	0	0	0	0	0	93
S/A	0	0	0	0	0	0.63	0.74	0.55	0.66	0.86	0	0	0.72	0	0.49	0.89	0	0.68	0.35	0	0	0	0	0	0.05
Min	0	0	0	0	0	12	63	110	33	27	172	N/A	124	718	40	3	595	99	215	0	0	0	0	0	1904
Max	0	0	0	0	0	618	582	571	414	296	172	N/A	695	722	875	634	595	614	608	0	0	0	0	0	2106
n	0	0	0	0	0	39	34	37	26	19	4	0	15	10	30	13	4	32	29	0	0	0	0	0	84

Daylight Data Recovery: 7.3% missing; 86.6% exceed the 15% QC threshold -- 5000 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.

Prepared by: Afshin M. Andreas, NREL

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

August 2001

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	19	52	64	115	193	245	286	264	239 ?	414 ?	122	70	105	46	2	0	0	0	0	2236
2	0	0	0	0	0	18	49	62	73	119	147	179	192	179	141 ?	?	59 ?	46	22	2	0	0	0	0	1289 ?
3	0	0	0	0	0	17	46	56	61	115	196	123	124	172	83 ?	69	62	51	26	2	0	0	0	0	1203
4	0	0	0	0	0	12	60	107	168	200	393	473	414	374	311	307	230	114	38	1	0	0	0	0	3201
5	0	0	0	0	0	22	80 ?	185 ?	216	253	300	379	383	335	279	237	191	122	34	0	0	0	0	0	3014
6	0	0	0	0	0	27	95	163 ?	212 ?	236	244	272	306	260	240	186	147 ?	72 ?	31	0	0	0	0	0	2491 ?
7	0	0	0	0	0	19	67 ?	132	158 ?	174	220	277	289	306	284 ?	229 ?	163	99	29	0	0	0	0	0	2446 ?
8	0	0	0	0	0	18	73 ?	208 ?	230 ?	274	303	320	318	300	261	236	203	119 ?	29	0	0	0	0	0	2893 ?
9	0	0	0	0	0	23	103	172	235	277	335	336	327	332	308	272	186	121	30	0	0	0	0	0	3057
10	0	0	0	0	0	20	73 ?	159	194	273	248	245	259	344	332	244	163	95	15	0	0	0	0	0	2662
11	0	0	0	0	0	13	51	188	271	368	325	358	356	73	60	178	153	70	16	0	0	0	0	0	2478
12	0	0	0	0	0	23	102	165	184	334 ?	441	485	452	213	207	162	97 ?	83	31	0	0	0	0	0	2977
13	0	0	0	0	0	10	57	121	265	315	253	255	284	255	168	21	9	4	8	0	0	0	0	0	2025
14	0	0	0	0	0	6	21	36	84	206	189	143	463 ?	480 ?	304	277	187	112	26	0	0	0	0	0	2533
15	0	0	0	0	0	11	47	146	299 ?	324	353	328	273	216	186	150	?	63 ?	23	0	0	0	0	0	2417 ?
16	0	0	0	0	0	17	75 ?	118 ?	103	116	134	130	140	131 ?	140	189	140	86	26	0	0	0	0	0	1543
17	0	0	0	0	0	18	72	127	162	170	169	187	203	190	183 ?	149	122	84	33	0	0	0	0	0	1870
18	0	0	0	0	0	2	5	38	28	73	153	225	299	261	217	39	5	14	4	0	0	0	0	0	1362
19	0	0	0	0	0	5	40	139	281 ?	302	192	249	338 ?	353	327	243	148	108	30	0	0	0	0	0	2754
20	0	0	0	0	0	7	63	108	232	261	351	384	433	247	90	132	112	83	6	0	0	0	0	0	2511
21	0	0	0	0	0	4	50	156	223	382 ?	418	446	425	268	226	224	146	99	36	0	0	0	0	0	3105
22	0	0	0	0	0	6	46	96	124	146	202	211	297	255	261	191	154	82	21	0	0	0	0	0	2094
23	0	0	0	0	0	16	46 ?	107	143	166	209	236	245 ?	192	171	161	127	73	17	0	0	0	0	0	1908
24	0	0	0	0	0	2	14	36	80	211	253	416	132	147	331	109	109	77	13	0	0	0	0	0	1932
25	0	0	0	0	0	8	59	125	177	199	170	144	146 ?	150 ?	127	81	57	37	14	0	0	0	0	0	1496
26	0	0	0	0	0	4	51	89	162	225	101	208	220	224	264	189	182	47	13	0	0	0	0	0	1976
27	0	0	0	0	0	11	44	121 ?	169	190	224	248	291	298	283 ?	251 ?	?	66 ?	9	0	0	0	0	0	2203 ?
28	0	0	0	0	0	6	47	166	316	264	349	439	400	353	335	273	217	85	14	0	0	0	0	0	3264
29	0	0	0	0	0	8	69	152	115	192	221	235	394	253	329	203	196	73	13	0	0	0	0	0	2452
30	0	0	0	0	0	10	67	161 ?	196 ?	311	350	303	383	292	266	160	122	39	10	0	0	0	0	0	2669
31	0	0	0	0	0	7	55	112	140	138	351	423	331	330	316	198	151	74	11	0	0	0	0	0	2637
Avg	0	0	0	0	0	12	57	123	175	226	259	288	303	259	240	183	135	77	22	0	0	0	0	0	2345
S D	0	0	0	0	0	7	22	47	73	79	89	104	96	84	87	72	58	30	11	1	0	0	0	0	579
S/A	0	0	0	0	0	0.56	0.38	0.38	0.42	0.35	0.34	0.36	0.32	0.33	0.36	0.39	0.43	0.39	0.49	2.85	0	0	0	0	0.25
Min	0	0	0	0	0	2	5	36	28	73	101	123	124	73	60	21	5	4	4	0	0	0	0	0	1203
Max	0	0	0	0	0	27	103	208	316	382	441	485	463	480	414	307	230	122	46	2	0	0	0	0	3264
n	0	0	0	0	0	231	340	328	338	362	371	371	349	353	340	338	329	353	301	4	0	0	0	0	4708

Daylight Data Recovery: 0.0% missing; 5.8% exceed the 15% QC threshold -- 5000 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.

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

August 2001

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	18.6	18.3	17.9	17.6	17.3	17.5	19.3	21	22.4	23.8	24.3	24.8	25.4	25.9	25.7	25.5	25.4	24.5	23.3	21.9	21.3	20.7	20.5	20.4	21.8
2	19.8	19.7	19.7	19.6	19.5	19.7	21.4	22.8	24.5	25.8	26.3	26.4	26.3	26.6	26.6	26.4	26.3	26	25.2	23.6	22.5	22	21.8	21.5	23.3
3	21	20.5	19.8	19.3	18.7	18.4	20.2	23.1	24.4	26.4	26.7	27.2	27.9	28.1	28.3	28.6	28.5	26.8	25.6	24.8	24.3	24	23.6	23.1	24.1
4	22.7	22.2	21.8	21.4	21.2	21	22.1	24.2	25.3	26.4	27.1	27.9	28.4	29.2	29.4	29.3	28.7	27.3	26.2	25.3	24.9	24.7	24.4	24.1	25.2
5	23.5	23.2	22.9	22.7	22.4	22.3	22.8	24.3	26.6	28.8	29.7	30.7	30.7	30.8	31.1	30.3	29.7	29.2	28.4	27	26.1	25.3	24.5	24	26.5
6	23.8	23.2	22.8	22.6	22.3	22.2	22.8	24.1	26	28.2	29.6	30.2	30.7	30.6	31.1	31.3	31.1	29.1	28.2	27.4	26.7	26	25.3	24.9	26.7
7	24.7	24.3	23.9	23.5	23.3	23.2	23.6	25	27.1	29.2	30.6	31.3	32	32.4	32.4	32.9	32.4	31.8	30.7	29.2	28.4	27.6	27.3	26.6	28.1
8	25.9	25.4	25	24.8	24.5	24.5	24.9	26.5	28.1	30	31.6	32.5	33.1	33.6	33.9	34.1	33.6	33	31.7	30.5	29.3	28.5	27.9	27.4	29.2
9	27	26.6	26.3	25.9	25.8	25.7	26.1	27.1	28.6	30.6	31.5	32.7	33.7	33.6	34.2	34	33.9	33.2	31.6	30.1	29.2	28.5	27.9	27.4	29.6
10	27	26.7	26.6	26.4	26.3	26.1	26.5	27.7	28.9	29.7	30.8	31.8	32.7	33.5	33.2	32.9	32.3	31.6	30.2	29.2	28.6	28.1	27.3	26.8	29.2
11	26.4	25.4	25.2	26.1	26.6	26.4	26.5	27.4	28.3	29	29.8	31.1	32	28.3	24.2	26.2	28.3	28.8	27.8	27.3	27.2	27.2	26.8	23.4	27.3
12	22.7	22.8	22.8	22.6	22.5	22.3	23.2	24.9	25.9	27.4	28.8	29.8	31.3	32.2	32.3	32.5	32.5	31.4	30.2	28.8	28.1	27.5	27	26.7	27.3
13	26.5	26.1	25.9	25.6	25.4	25.2	25.3	26	26.8	27.7	28.9	30	30.9	31.6	30.9	24	22.6	21.8	22.4	23	23.3	23.6	22.9	22.8	25.8
14	22.8	22.7	22.7	22.5	22.3	22.2	22.3	22.5	22.9	23.6	24.3	24.3	25.9	27.5	26.9	27.1	27.3	26.5	25.4	24.1	23.3	22.7	22.3	22.3	24
15	22.2	22	21.8	21.7	21.8	21.7	22	23	24.1	25.5	26.9	27.1	27.8	27.7	27.6	27.5	26.9	26.3	24.8	23.6	22.9	22.5	22.1	21.7	24.2
16	21	20.1	19.4	18.7	18.3	18.3	19.9	21.6	24.6	25.9	26.9	28	29.6	30.4	31.1	29.9	28.2	27.6	26.5	25.4	24.6	24.2	24	23.9	24.5
17	23.6	23.2	22.7	22.7	22.2	21.9	22.5	24.2	26	27.3	28.2	29	29.8	30.7	31	31.2	31	30.5	28.7	27.6	26.8	26.4	26.3	26	26.7
18	25.8	25.7	25.5	25.2	25.1	25.1	24.2	23.9	24.4	24.5	25	26.1	26.9	28.4	28.1	27.8	23.8	23.4	23.2	22.8	23	23	22.9	23.2	24.9
19	22.7	22.1	21.8	21.5	21.5	21.7	22	22.8	25.2	26.1	26.6	25.6	27	27.9	28.9	29.2	29	28.6	28.1	26.9	26.6	26.6	26.1	25.9	25.4
20	25.6	25.5	25.5	25.4	25.1	24.9	24.9	25	24.9	25.8	27.1	27.9	28.3	28	25.7	24.6	24.9	25.2	24.6	24	23.6	23.1	22.6	21.9	25.2
21	21.7	21.3	21.2	21	21	21	21.1	22	23.4	25.3	26	27	27.7	27.7	27.6	27.2	26.4	25.9	25	24.1	23.3	22.3	21.4	21.1	23.8
22	20.8	20.3	20.1	19.9	20	19.8	19.9	21.6	25.6	26.5	28	29	29	28.5	28.8	27.6	27.2	26.8	25.6	24.3	23.6	22.7	21.5	21.4	24.1
23	20.8	20.3	20.4	20.1	19.8	19.8	20.5	22.7	24.8	26.4	27.7	28.1	28.7	29.2	29.5	29.8	29.4	28.8	27.2	25.7	25	24.5	23.9	23.5	24.8
24	23	22.7	21.7	21	21	21.1	21.2	21.3	21.6	22.3	23.8	25.4	25.3	25.1	26.1	26.1	25.5	25.1	24.3	23.3	22.3	21.5	21	20.7	23
25	20.5	20.7	20.4	20.3	20.4	20.3	20.5	21.9	24.5	26	26.6	26.8	26.8	26.7	26.4	26.1	25.5	24.7	23.2	21.9	21	20.3	19.9	19.6	23
26	19.1	18.8	18.8	19.2	19.8	20.4	20.4	21.1	21.9	22.8	22.7	22.3	22.8	23.4	24.3	24.8	24.9	24.8	24.1	23.1	22.7	22.4	21.5	21.1	22
27	20.8	20.5	20.3	20.2	20.1	20	20.2	22	24.3	26.3	27.5	28.1	29	29.9	30.2	30.2	30.1	29.3	27.9	26.4	25.6	25	24.4	24.3	25.1
28	24.2	23.8	23.3	23	22.9	22.8	22.8	23.9	25.5	26.2	26.8	28	29.3	30.1	30.5	30.5	30.2	29.6	28.5	27.6	26.5	25.6	25	24.6	26.3
29	24.4	24.1	23.9	23.5	23.2	23.4	23.5	24.8	25.4	26	26.6	26.5	27.4	27.5	28.1	28.9	28.3	27.4	25.3	24.2	23.7	23.3	23.1	22.7	25.2
30	22.4	22	21.6	21.3	21	21	21.5	24.1	26.1	26.9	27.7	27.5	27.9	28.3	28	27.4	26.8	26.1	25.7	25.5	25.2	24.9	24.5	23.7	24.9
31	23.5	23.3	23.1	23	22.8	22.6	22.8	23.5	24.4	24.2	25.4	27.2	28.6	29.1	29.6	29.9	29.6	29.2	27.7	26.6	26.2	26.4	25.3	24.2	25.8
Avg	23	22.7	22.4	22.2	22.1	22	22.5	23.7	25.2	26.5	27.4	28.1	28.8	29.1	29.1	28.8	28.4	27.8	26.7	25.7	25	24.5	24	23.6	25.4
S D	2.3	2.3	2.3	2.4	2.4	2.3	2	1.9	1.8	2	2.2	2.5	2.5	2.5	2.7	2.8	2.9	2.8	2.6	2.4	2.3	2.3	2.3	2.2	2
S/A	0.1	0.1	0.1	0.11	0.11	0.11	0.09	0.08	0.07	0.08	0.08	0.09	0.09	0.08	0.09	0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.1	0.09	0.08
Min	18.6	18.3	17.9	17.6	17.3	17.5	19.3	21	21.6	22.3	22.7	22.3	22.8	23.4	24.2	24	22.6	21.8	22.4	21.9	21	20.3	19.9	19.6	21.8
Max	27	26.7	26.6	26.4	26.6	26.4	26.5	27.7	28.9	30.6	31.6	32.7	33.7	33.6	34.2	34.1	33.9	33.2	31.7	30.5	29.3	28.5	27.9	27.4	29.6
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

August 2001

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	?	?	?	?	?	?	98.4 ?	94.9	84.5	78.5	76	72.8	69.9	65.5	65.5	66.8	71.2	76.3	85.8	93.9	97.4	99.6 ?	?	?	81.1 ?	
2	?	?	?	?	?	?	98.1 ?	94.8	85.1	71.3	66.5	67	66.5	65.3	63.9	64.5	63.4	63.5	70.5	82.3	93.8	97.4	98.5	99.2	78.4 ?	
3	99.9 ?	?	?	?	?	?	98.7 ?	92.9	81.3	70.9	68	61.4	60.3	57.2	51.2	48.7	55.3	68.3	80.6	85.9	85.7	88.6	93.2	96.3	76 ?	
4	97.2	98.8	?	?	?	?	99 ?	94.9	86.1	79	78.2	73.4	69.9	63.9	62	65.3	70.7	76.1	82.3	88.5	91.9	94.6	97	98.5	83.4 ?	
5	99.7 ?	?	?	?	?	?	?	96.4	85.9	76.1	70.1	64.9	66.8	61	56.2	63.9	70.6	69.5	74.1	81.5	82.9	85.5	92.8	97.8	77.5 ?	
6	99.6 ?	?	?	?	?	?	?	99.2 ?	91.7	78.8	73	69.3	64.9	62.1	50	52.5	58.7	76.2	84.6	88.9	92.9	95.8	98.9	?	78.7 ?	
7	?	?	?	?	?	?	?	98.2 ?	91.9	83.3	74.1	65.5	63.8	62.8	63.6	62.6	65.1	68.4	76	81.6	84.5	93.9	96.9	97.9	78.2 ?	
8	99.3	99.9 ?	?	?	?	?	?	98 ?	92.4	84.4	79.2	74	65.7	63.2	60.7	60.9	63.6	68.2	73.8	79.5	87.9	93	98.1	99.8 ?	81.1 ?	
9	?	?	?	?	?	?	?	?	97.6	92.3	84.1	79.2	70.1	64.5	66.4	64.5	66.1	68.4	70.9	80.8	82.3	91.2	93.4	95.1	96.5	80.2 ?
10	97.3	98.2	99.4	?	?	?	99.3 ?	96.5	91.6	88.2	84.3	79.4	74.2	71.9	73.2	74.6	74.9	77.4	80.1	85.8	91.1	94.3	89	91.6	86.3 ?	
11	96.1	93	97	99.5 ?	99	99.5	99.4	96.3	92	89.1	84.3	79.5	74	84.6	97.5	94.1	86.5	83.1	88.6	95.2	96.9	97.1	94.5	92.4 ?	92.1	
12	?	?	?	?	?	?	?	97.3 ?	94.6	88.4	83.5	81.1	74.8	70.2	68.2	65.8	66.8	75.4	80.9	86.5	88.3	91.1	93	94.7	82.4 ?	
13	96.4	97.9	98.6	99.2	99.6	?	99.3 ?	97.3	94.8	90.8	86	81.1	78.1	73.7	73.6	89.8 ?	99.2 ?	?	?	?	?	?	?	?	91 ?	
14	?	?	?	?	?	?	?	?	?	?	99.6 ?	98.9	91.8	83.6	86.6	81.1	80.9	81.6	86.3	92.5	95.7	99.1	100 ?	?	90.6 ?	
15	?	?	?	?	?	?	?	97.6	93.3	86.2	78.6	76	73.4	73	72.8	73.2	74.1	76.5	86	94.3	97.3	99.2	?	?	83.4 ?	
16	?	?	?	?	?	?	?	?	87.8	79.2	75.3	66.5	55.7	49.1	41.8	58.8	72.5	74.5	80.2	84	89.9	94.3	94.8	96.6	75.1 ?	
17	96.7	97.1	98.2	97.7	98.6	99.7	98.6	95.4	89.7	81.3	75.9	73.1	70.6	65.6	64.5	64.5	64.3	70.5	84.8	89.7	94.1	95.7	95.8	97.5	85.8	
18	99.1	99.9 ?	?	?	?	?	?	?	?	?	?	99.4 ?	97.8 ?	92.7	96.2	96.7	96.8 ?	?	?	?	?	?	?	?	97.3 ?	
19	?	?	?	?	?	?	?	?	98 ?	95.6	92.5	97.9	93.8	87.8	83	81.9	81.9	84.3	85.7	90.6	92.1	93.1	96.3	97	90.7 ?	
20	96.9	97.4	98.8	99.1	97.7	97	95.7	94.6	95.3	92.7	89.1	86.7	85.7	88.9	91.1	90.7	87.4	87.6	93.8	97.5	96.7	93.6	94.7	98.5	93.6	
21	98.4	?	?	?	?	?	?	98.8 ?	96.6	85.9	81.4	76.8	74.2	73.5	74.8	76.7	79.8	80	81.8	84.5	89.2	94.8	98.5	99.7 ?	85.8 ?	
22	?	?	?	?	?	?	?	95.3 ?	76.4	71.7	61.7	55.9	54.4	58.1	58.6	65	63.8	65.2	72.7	77.3	80	84.8	91.6	92.9	72.1 ?	
23	96.6	99.5	99.5 ?	?	?	?	?	96.8 ?	88.2	80.1	72.1	67.2	62.9	58.1	59.8	59.9	61.9	66.6	70.6	77.3	81	83.3	83.4	88	77.6 ?	
24	89.5	87.3	94.8	?	?	?	?	?	?	98.2 ?	93.1	87.4	88.6	88.1	81	79.9	85.5	87.9	91.2	94	95.6	98.1	99.8 ?	?	90.6 ?	
25	?	?	?	?	?	?	?	98.2 ?	89.8	74.3	69.4	65.4	64.6	63.1	62.9	59.1	60.3	66.2	76.4	85.2	90.4	93.4	95.5	95.8	77.1 ?	
26	96.8	98.3	98.9	99	98.1	97.1	97.3	96.7	95.4	95	97.1 ?	?	99.1 ?	95.9	91.1	89.7	90	88.6	90.7	95.4	98.5	99.9 ?	?	?	95.6 ?	
27	?	?	?	?	?	?	?	98.3 ?	88.1	76.3	74.2	72.8	70.6	68.7	68.2	69.7	71.1	74.2	80	81.7	82	84.7	88.2	90.4	78.8 ?	
28	90.9	95.6	97.7	99.5	99.4	99.7 ?	98.6	95.2	93.6	94.1	92	85.8	80.6	77.8	74.1	74.3	74.6	77.1	83.5	87.8	92.2	91.7	92.6	95.3	89.3	
29	96.3	96.8	97.4	99.3	?	?	?	97.4	97	96.7	94.8	95.1	91.4	90	85.6	76.4	81.2	83.6	87.2	92.6	95.5	98.2	99.8 ?	?	92.6 ?	
30	?	?	?	?	?	?	?	95.7 ?	89.1	85.8	83.2	84	80.1	77	79.9	85.4	86.1	88.6	91.7	94.7	97.8	99.4	93.7	95.9	88.7 ?	
31	96.6	97.4	98.1	98.3	99.1	99.6	98.8	97.8	96.4	97.5	93.9	87.3	78.9	74	71.2	69.4	72.5	76.1	83.2	87.3	87.8	86.4	87.3	89.4	88.5	
Avg	96.8	96.9	98.1	98.9	98.8	98.8	98.4	96.6	90.7	84.6	80.9	77.2	74.4	72	70.8	71.9	74.2	75.9	82.2	87.5	91	93.6	94.6	95.5	84.5 ?	
S D	2.8	3.3	1.3	0.6	0.7	1.3	1	1.5	5.1	8.3	9.9	11.5	12	12	13.7	12.3	11.2	7.5	6.3	5.8	5.4	4.9	4.2	3.4	6.8	
S/A	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.06	0.1	0.12	0.15	0.16	0.17	0.19	0.17	0.15	0.1	0.08	0.07	0.06	0.05	0.04	0.04	0.08	
Min	89.5	87.3	94.8	97.7	97.7	97	95.7	92.9	76.4	70.9	61.7	55.9	54.4	49.1	41.8	48.7	55.3	63.5	70.5	77.3	80	83.3	83.4	88	72.1	
Max	99.9	99.9	99.5	99.5	99.6	99.7	99.4	99.2	98	98.2	99.6	99.4	99.1	95.9	97.5	96.7	99.2	88.6	93.8	97.5	98.5	99.9	100	99.8	97.3	
n	190	150	124	92	84	68	100	246	330	344	350	352	358	372	372	367	358	348	348	348	348	341	282	242	6518	

Data Recovery: 0.0% missing; 27.0% failed QC -- 8928 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

August 2001

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	17.5	17.3	17	16.8	16.5	16.6	18.2	20.9	23.4	25.9	27.5	28	28.3	29	29	29.1	28.8	27.7	25.9	22.9	21	20	19.5	19.2	22.8
2	18.9	18.7	18.7	18.7	18.6	18.6	20.1	23	25.9	28.4	29.6	30.1	29.7	29.5	29.2	29.3	29.3	28.4	27.2	24.4	22.3	21.1	20.6	20.1	24.2
3	19.7	19.3	18.8	18.2	17.8	17.6	19.3	23.1	27	30.1	30.7	31.8	32	31.8	31.7	32	31.7	30.4	28	25.6	24.2	23.6	23.1	22.6	25.4
4	22	21.3	20.8	20.5	20.1	20	21.1	24.4	27.4	28.8	30.6	30.9	31.7	31.8	32.9	32.7	32.5	30.5	28.1	25.9	24.6	24.1	23.6	23.2	26.2
5	22.8	22.5	22.1	22	21.7	21.6	22.2	24.6	28.3	32	34.2	35.6	35.8	34.9	34.8	34.2	33.3	31.8	29.9	27.6	26.1	25	24	23.1	27.9
6	22.8	22.4	22	21.6	21.5	21.5	22.4	24.3	27.7	31.5	33.9	34.7	35	34.4	34.5	34.9	34.8	32.5	30.2	27.9	26.5	25.5	24.7	24.3	28
7	24.1	23.8	23.4	23.1	22.9	22.8	23.4	25.8	28.9	32	34	35.3	35.5	35.7	35.9	36	35.4	34.1	32.3	29.9	28.3	27.5	27	26.5	29.3
8	25.7	25.2	24.7	24.4	24.1	24.2	24.6	26.8	29.9	32.8	35.2	36.5	36.6	36.5	36.8	36.9	36.4	35.4	33.5	31	29.5	28.4	27.9	27.3	30.4
9	26.7	26.3	25.9	25.6	25.2	25.1	25.6	27.8	30.5	33.6	35.4	36.5	37.4	37.1	37.6	37.5	36.6	35.5	33.5	31	29.5	28.6	27.9	27.2	31
10	26.6	26.4	26	25.9	25.8	25.6	26.4	28.6	30.9	32.8	34.1	35	35.5	36	36.3	36.2	35.2	34.1	31.9	29.8	28.6	28	27.4	26.5	30.4
11	26.1	25.6	24.8	25.1	26	26.2	26.4	27.7	29.6	31.3	32.3	33.5	34.6	32.4	25.7	25.2	27.6	29.2	28.2	27.1	26.7	26.6	26.7	24.6	27.9
12	22.7	22.4	22.3	22	22	21.9	22.8	24.9	26.2	28.1	30.5	31.7	33.2	34.4	34.9	35	35.1	34.1	32.2	29.6	28.3	27.5	26.9	26.5	28.1
13	26.3	25.9	25.6	25.2	25	24.8	24.9	26	27.5	29.2	31.1	32.9	33.5	34.3	33.7	28.4	23.9	22.2	22.1	22.4	22.7	22.9	22.9	22.5	26.5
14	22.3	22.3	22.4	22.3	22.1	22	22.1	22.2	22.6	23.4	24.1	25	27.2	29.9	29.9	30.2	29.9	28.8	26.8	24.6	23.3	22.3	21.9	21.6	24.5
15	21.4	21.4	21.2	21	21	20.9	21	22.8	25	27.1	29.3	29.7	30.6	30.7	30.8	31	30.2	29.1	26.8	24.1	22.3	21.4	21	20.5	25
16	20.1	19.4	18.8	18.4	18	17.7	19	21.9	25.6	29.1	31	32.1	33.2	33.6	34.6	34.7	32.2	30.4	28.2	25.9	24.6	23.6	23.1	22.8	25.7
17	22.5	22.1	21.6	21.3	20.9	20.5	21.4	24.3	27.1	29.6	31.1	32	32.6	32.9	33.6	33.9	33.8	32.9	30.7	28.3	27.1	26.4	26.1	25.7	27.4
18	25.5	25.3	25.2	24.8	24.7	24.7	24.5	23.8	24	24.3	24.6	25.5	27.4	29.6	29.9	29.1	25.6	23.6	23	22.8	22.6	22.7	22.7	22.6	24.9
19	22.4	21.9	21.5	21.1	21.2	21.3	21.5	22.3	25.7	28.2	29.3	26.6	28.4	29.2	31.2	32.1	31.3	30.4	29.5	27.4	26.3	26.4	25.8	25.4	26.1
20	25.2	24.9	24.8	24.8	24.7	24.5	24.6	25.1	25.6	27.2	29.1	31.2	31.3	30.6	28.4	25.2	25.4	25.7	24.8	23.8	23.2	22.9	22.5	21.9	25.7
21	21.5	20.9	20.7	20.6	20.5	20.4	20.5	21.1	23.1	26.4	28.2	29.6	31.1	30.9	30.4	29.9	28.4	27.6	26.2	24.4	22.8	21.3	20.2	19.7	24.4
22	19.6	19.1	18.8	18.7	18.8	18.7	19	20.6	25.6	29.2	31.5	32.9	33.6	32.3	32.4	30.9	29.4	28.8	26.9	24.3	22.8	21.7	19.9	19.4	24.8
23	19	18.7	18.9	18.8	18.5	18.4	19.6	22.3	25.8	28.7	31.1	31.9	31.9	31.8	32.4	32.8	32.4	31.2	28.9	26.3	24.8	24.1	23.6	23.3	25.6
24	22.8	22.4	21.8	21	20.7	20.7	20.7	20.7	21.2	22.3	24.8	27.3	28	26.6	27.5	28	26.6	26.2	25.2	23.6	22.1	21.1	20.4	20	23.4
25	19.7	19.8	19.7	19.7	19.8	19.9	20.1	21.6	25	27.5	29.1	29.6	29.6	29	29.2	28.9	28.2	27	24.8	22.1	20.6	19.6	18.9	18.5	23.7
26	18.1	17.6	17.8	18.4	19	19.7	20	20.8	22	23.2	23.5	22.7	22.7	23.8	25.3	26.2	26.7	26.6	25.7	23.3	22.4	21.7	21.1	20.8	22
27	20.5	20.1	19.8	19.7	19.7	19.6	19.8	21.8	25.3	28.6	30.6	31.9	32.3	32.8	33.3	33.4	32.8	31.6	29.2	27	25.6	24.8	24.1	23.8	26.2
28	23.6	23.3	22.8	22.5	22.4	22.4	22.3	24.1	26.6	27.7	28.3	30	32.1	32.8	33.2	33.2	32.3	31.1	29.3	27.9	26.7	25.7	24.8	24.4	27.1
29	24.1	23.8	23.5	23	22.7	22.6	23.1	24.5	25.5	26.5	27.4	27.7	29.2	29.3	29.6	30.9	30.8	29.8	27.1	24.5	23.4	22.6	22.1	21.8	25.6
30	21.6	21.1	20.8	20.6	20.3	20.2	20.5	22.7	27.2	29.6	30.8	31.2	30.2	30.8	30.5	29.3	28.3	27.1	26.2	25.6	25	24.5	24.2	23.7	25.5
31	23.3	23	22.8	22.7	22.5	22.2	22.3	23.2	24.5	24.8	26.3	29.4	30.7	31	31.5	32	31.7	30.9	28.9	27	26.2	26	25.6	24.5	26.4
Avg	22.4	22.1	21.8	21.6	21.4	21.4	21.9	23.7	26.1	28.4	30	30.9	31.6	31.8	31.8	31.6	30.9	29.8	28.1	26.1	24.8	24.1	23.6	23	26.2
S D	2.6	2.6	2.5	2.5	2.5	2.5	2.3	2.2	2.4	2.9	3.2	3.4	3.2	2.9	3.1	3.3	3.4	3.3	2.9	2.6	2.5	2.6	2.6	2.5	2.2
S/A	0.12	0.12	0.12	0.12	0.12	0.12	0.1	0.09	0.09	0.1	0.11	0.11	0.1	0.09	0.1	0.1	0.11	0.11	0.1	0.1	0.1	0.11	0.11	0.11	0.08
Min	17.5	17.3	17	16.8	16.5	16.6	18.2	20.6	21.2	22.3	23.5	22.7	22.7	23.8	25.3	25.2	23.9	22.2	22.1	22.1	20.6	19.6	18.9	18.5	22
Max	26.7	26.4	26	25.9	26	26.2	26.4	28.6	30.9	33.6	35.4	36.5	37.4	37.1	37.6	37.5	36.6	35.5	33.5	31	29.5	28.6	27.9	27.3	31
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: CSI Serial Number: TC-107 Calibration Factor: 1.00 deg C/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

August 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0.8	0.7	0.7	0.4	0.7	0.5	0.8	2.3	3.3	3.6	3.6	3.2	3.4	3.4	3.5	3.3	3.1	2.8	3.2	2	1.3	1.2	1	0.9	2.1
2	0.5	0.6	0.7	0.9	0.8	0.4	1	2.3	2.7	3.5	3.9	4.4	3.9	4	4	4.1	3.3	2.6	2.1	1.9	1.4	1.4	1.1	0.5	2.2
3	0.7	0.1	0.2	0	0.1	0.1	0	0.3	0.8	0.4	1.1	1.8	1.4	2.1	2.5	2.2	2.1	3.6	2.7	2	1.8	1.9	1.1	1.4	1.3
4	1.2	0.8	0.8	0.4	0.2	0.3	0.8	1.6	2.2	2	2.6	2.2	2.8	2.7	2.9	2.5	2.7	2.6	2.1	1.7	1.5	1.5	1.4	1.1	1.7
5	1.3	1.1	1	0.9	0.6	0.6	0.8	1.4	0.9	0.8	1.1	1.6	1.9	2.7	2.5	3	2.8	2.5	1.3	1.3	1.2	1.1	0.9	0.7	1.4
6	0.7	0.2	0	0.1	0.1	0.2	0.3	1.6	1	0.9	1.3	2	2.3	2.7	2.6	1.8	1.8	3.2	1.9	1.1	0.9	0.7	0.9	1.3	1.2
7	1.4	1.5	1.2	1.1	1.4	1.5	1.3	1.9	1.8	1.8	1.9	2.5	2.3	2.6	3.1	2.5	2.8	2.1	1	0.8	1.1	1.3	2.1	2	1.8
8	2.1	2	1.7	1.3	1	1.2	1.5	1.8	1.7	1.6	1.9	2.3	3	3.2	3.2	2.8	2.3	1.4	1.1	1	1.3	1.8	2	1.5	1.9
9	1.5	1.2	1.2	0.9	0.8	0.4	1	1.7	1.4	1	1.8	2.1	2	2.9	2.3	2.7	1.8	1.5	2	2.4	2.1	2.3	2.6	2.1	1.8
10	1.7	1.9	2.2	2.2	2.3	1.8	2.1	2.2	2.4	3	3.1	3.3	4	3.6	4	4.1	4	3.2	2.5	2.2	2.6	2.2	2.3	0.9	2.7
11	0.9	0.3	1.5	2.7	3.4	1.9	0.7	1.3	2	2.5	2.7	2.6	3.2	4.4	2.3	1.8	1.1	2.6	1.3	1.1	1.5	1.7	2.5	2.6	2
12	0.5	0.8	1	1.3	0.9	0	0.6	1.9	1.8	2.9	4	3.7	3.3	3.4	3.7	3.7	3.3	2.9	2.4	2.5	3.1	2.8	3.1	3.4	2.4
13	3.4	3.1	2.9	2.7	2.8	1.9	2.2	2.4	3.1	3.6	3.3	3.4	3	3	3	3.6	3.8	1.5	1.5	1.8	1	1	4.2	2.1	2.7
14	1.9	1	0.3	1.4	0.9	0.4	0.1	0	0.2	0.6	0.5	0.7	1.7	2.4	2.4	3.4	2.9	3.1	2.2	1.6	1.9	1.8	2	1.2	1.4
15	1.3	1.9	1.8	2	2.5	2	2.1	3	3.3	3.5	3.5	3.1	2.9	3.5	3.4	3	2.9	2.6	2.5	1.7	0.8	1.2	0.7	0.3	2.3
16	0.3	0.2	0.1	0.2	0	0	0	0.3	1	0.8	1.2	1.2	1.4	1.4	1.1	2.4	3.3	2.7	2.1	2.3	1.9	1.3	1.8	1.4	1.2
17	1.1	1.2	0.8	1.1	0.4	0.7	0.8	2.2	3.2	3.1	3.1	3.3	3.1	3	3.1	2.8	2.7	1.9	2.7	2.4	2.3	2	2.2	2	2.1
18	1.7	1.5	1.8	1.5	1.1	1	1.5	0.3	0.3	0.8	1.8	1.7	1.9	1.3	2	2.6	3.2	2.4	1	0.9	0.4	0.6	1.5	1.8	1.4
19	1.5	1.5	0.2	0.1	1.8	0.1	0.1	0.7	1.2	1.8	1.8	1.9	2.8	2.3	2.7	2.5	1.8	1.5	1.2	1	1.8	3	2.5	2.7	1.6
20	2.2	2.1	1.7	2.3	2.4	2.3	2.4	2.7	3	2.3	2.7	2.5	2.5	2.6	2.7	2.3	1.4	1	1	0.6	1.2	2	1.9	2.3	2.1
21	1.4	0.9	1.5	0.6	1.1	0.3	0.9	0.3	0.5	1.6	2.3	1.8	1.5	1.3	1.4	2.3	2.2	2.5	1.8	0.6	0.3	0	0	0.2	1.1
22	0.1	0.1	0.7	0.8	1	0.5	0	0.1	0.6	1.3	1.6	1.7	1.8	1.8	1	1.8	2.3	2.2	1.1	1.1	1.6	0.2	0.2	0.2	1
23	0.4	0.8	0.5	0.6	0	0.2	0.7	1.6	2.4	2.2	1.8	2.7	2.9	3	2.7	2.3	2.4	1.6	1.8	2.1	2.3	2.4	2.7	2.3	1.8
24	1.5	1.5	3.7	1.2	1	1.7	1.6	1.7	1.4	1.1	0.8	0.8	1.1	2.2	1.7	2.1	2.1	2.6	2.6	2	1.9	2	2.3	2	1.8
25	2	2.1	2.4	2.2	2.2	2.7	2.7	2.6	2.9	4.4	4.1	4.5	4.6	4.7	4.8	4.6	4.3	3.8	2.9	2.4	2.1	1.9	2.1	1.6	3.1
26	0.9	1.5	1.9	1.4	1.9	2.7	1.7	1.9	2.2	3.4	2.8	2.5	2.9	2.9	2	1.9	2.5	2.1	0.9	1.5	1.5	0.5	0.4	0.5	1.8
27	0.5	0	0.2	0.1	1	0.4	0.4	1.4	2.3	2.2	2.2	2.6	2.8	2.6	2.7	2.8	2.1	1.7	1.9	2.2	2.1	1.9	2.1	2.3	1.7
28	1.4	2	1.2	2	1.4	1.7	1.5	2.1	3.4	2.8	2.4	2.6	2.8	2.9	3.1	2.4	2.6	2.1	0.8	0.7	1.2	1.5	1.4	1.2	2
29	1.5	1.2	0.9	0.5	0.7	0.9	0.8	1.2	2	2	1.8	1.8	2.3	3	3.3	3.3	2.3	1.8	1.7	1.2	1.1	0.7	0.2	0.4	1.5
30	0.2	0.1	0	0	0	0	0	0.1	1.1	1.3	1.6	2.6	2.3	1.8	2.5	2.5	2.9	2.4	1.8	1	0.8	0.9	1.7	1.5	1.2
31	1.7	1.2	1.7	1.6	1.5	1	1.2	1.3	1.9	2.7	2.7	3.1	3.7	4.1	3.6	3.9	3.4	2.4	2	2.1	2.7	3.4	3.5	3.1	2.5
Avg	1.2	1.1	1.2	1.1	1.2	0.9	1	1.5	1.9	2.1	2.3	2.5	2.6	2.8	2.8	2.8	2.7	2.4	1.8	1.6	1.6	1.6	1.8	1.5	1.8
S D	0.7	0.8	0.9	0.8	0.9	0.8	0.8	0.8	1	1.1	1	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.7	0.8	1	0.9	0.5
S/A	0.57	0.66	0.76	0.72	0.77	0.88	0.74	0.57	0.51	0.51	0.42	0.37	0.32	0.3	0.31	0.26	0.28	0.28	0.36	0.38	0.42	0.51	0.56	0.56	0.28
Min	0.1	0	0	0	0	0	0	0	0.2	0.4	0.5	0.7	1.1	1.3	1	1.8	1.1	1	0.8	0.6	0.3	0	0	0.2	1
Max	3.4	3.1	3.7	2.7	3.4	2.7	2.7	3	3.4	4.4	4.1	4.5	4.6	4.7	4.8	4.6	4.3	3.8	3.2	2.5	3.1	3.4	4.2	3.4	3.1
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: 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

August 2001

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	200	216	193	191	175	182	221	218	242	247	239	259	252	249	249	231	245	241	265	253	236	225	225	225	240
2	192	210	219	212	222	225	233	252	260	280	286	288	291	272	288	306	297	294	282	272	263	284	283	266	278
3	260	196	159	173	135	140	130	353	40	358	2	7	347	353	6	24	30	317	304	312	347	358	17	37	351
4	47	44	35	50	7	17	343	28	46	7	348	28	9	353	352	11	337	326	327	331	335	355	22	18	1
5	41	34	51	42	40	43	65	73	71	27	0	1	19	354	350	339	351	339	342	343	337	350	31	29	7
6	18	53	57	9	33	74	93	88	85	63	298	282	267	330	314	327	334	311	317	314	7	36	42	41	333
7	52	48	58	51	62	59	60	67	75	53	79	58	46	55	65	54	62	70	47	32	31	21	44	36	55
8	49	54	52	47	52	46	56	46	49	45	25	16	43	43	46	54	56	28	36	19	3	32	30	17	41
9	29	28	45	48	39	29	54	46	74	32	64	35	27	4	27	50	27	33	28	5	1	18	28	17	30
10	39	39	17	42	42	27	38	43	24	37	13	16	353	9	13	351	21	22	0	339	2	16	91	81	20
11	99	288	33	51	49	58	41	4	26	38	32	54	19	319	358	10	356	341	0	329	358	13	55	43	22
12	60	68	76	318	22	16	27	39	33	50	51	40	18	28	27	29	10	35	17	6	14	36	44	22	30
13	41	42	43	36	50	45	51	39	59	58	53	42	12	15	39	136	63	38	6	312	356	357	90	79	47
14	95	114	133	127	112	118	122	176	184	231	241	300	270	286	248	263	280	260	278	276	251	237	240	241	254
15	241	236	223	227	238	220	225	238	248	265	260	269	295	279	292	309	273	275	299	298	296	297	296	281	266
16	226	218	160	179	194	202	241	170	290	163	165	262	305	297	198	37	32	29	16	15	23	50	61	58	23
17	97	95	106	94	88	102	87	101	114	111	125	120	115	93	88	102	84	89	66	70	71	77	74	86	96
18	92	94	108	97	101	112	125	147	298	316	4	40	11	31	354	6	18	323	310	170	52	45	84	102	45
19	139	120	135	70	104	152	49	73	60	55	55	45	23	59	51	59	80	103	65	75	69	87	88	101	74
20	93	96	108	103	109	111	103	106	99	118	90	105	80	69	106	105	80	54	100	94	127	102	142	150	103
21	125	147	133	112	134	183	156	202	235	272	255	286	318	344	349	309	309	329	317	341	360	339	188	224	299
22	170	230	237	234	248	248	25	197	277	237	270	286	332	304	4	343	352	21	41	39	42	36	109	96	328
23	135	140	118	124	79	127	135	128	130	112	91	118	98	102	104	86	101	98	96	74	96	113	127	139	109
24	131	164	168	141	113	145	176	187	144	190	216	126	123	305	286	293	299	304	288	253	252	239	240	239	225
25	238	250	235	233	244	241	239	248	263	290	286	283	296	276	288	279	271	282	261	258	260	239	241	223	266
26	212	216	203	215	225	228	215	223	239	234	239	251	264	276	267	296	313	310	307	302	317	343	173	195	253
27	179	206	169	145	162	154	112	111	144	101	89	91	86	78	100	69	79	76	82	64	79	94	85	111	93
28	92	113	94	113	106	109	111	119	111	135	160	126	119	118	132	137	126	123	140	111	102	105	88	97	119
29	101	115	130	120	123	143	123	116	86	102	125	130	147	122	125	114	70	94	100	102	97	84	69	81	112
30	109	46	63	101	85	179	15	46	36	43	27	335	22	48	34	10	25	19	17	42	79	77	91	109	33
31	106	90	103	90	96	91	99	97	96	95	88	113	132	124	134	131	127	114	111	103	112	109	126	125	113
Avg	88	94	107	90	93	114	109	96	87	57	26	20	9	1	17	18	14	351	348	350	20	48	78	82	31
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

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

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

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

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

August 2001

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	1.4	1.2	1.3	0.9	1.5	1.3	2	4	5.2	5.6	5.5	5	5.2	5.4	5.3	5.1	4.6	4.3	5.1	3.1	2.2	2	1.8	1.5	3.4
2	1.1	1.4	1.5	1.6	1.6	1.2	2	3.5	4.4	5.2	5.8	6.3	5.6	5.9	6	6	5.2	3.8	3.2	3	2.1	2.2	1.6	0.9	3.4
3	1.2	0.4	0.3	0.1	0.3	0.3	0.1	1.1	1.7	1.3	2.3	3.1	2.8	3.6	4.2	3.8	3.6	5	3.9	3	3.1	2.9	2.2	2.3	2.2
4	2	1.3	1.4	0.8	0.8	1	1.6	2.7	3.5	3.3	4.3	4	4.3	4.4	4.6	4.3	4.1	4	3	2.6	2.6	2.8	2.5	2.1	2.8
5	2.1	1.9	1.7	1.7	1.1	1.2	1.3	2.4	1.9	1.8	2.2	2.9	3.3	4.2	4.2	4.6	4.3	3.9	2.2	2.2	1.9	2	1.6	1.5	2.4
6	1.4	0.6	0	0.3	0.3	0.7	0.8	2.5	1.8	1.8	2.4	3.3	3.7	4.2	3.9	3.1	3.1	4.5	2.7	1.7	1.7	1.4	1.5	2.1	2.1
7	2.1	2.3	1.9	1.6	2	2	2.1	3.1	3	3.1	3.5	4.4	3.8	4.3	4.5	4.3	4.3	3.4	1.7	1.3	1.9	2.3	3.4	3.4	2.9
8	3.3	2.9	2.6	2.1	1.7	1.9	2.3	3	3	2.7	3.2	3.9	4.5	4.9	5.2	4.4	3.7	2.5	1.9	1.9	2.3	3.3	3.3	2.5	3
9	2.5	1.9	2	1.5	1.6	1.2	1.7	2.7	2.4	2.2	3.1	3.4	3.8	4.5	4.2	4.5	3.3	2.9	3.5	4.1	4	4.2	4.9	3.7	3.1
10	2.8	3.3	3.8	3.7	3.6	3	3.3	3.8	3.9	4.8	5.1	5.2	6.4	6	6.6	7.1	6.7	5.4	4.4	3.7	4	3.6	4	2	4.4
11	1.9	1	2.7	4.7	5.3	3.2	1.5	2.3	3.5	4.2	4.4	4.4	5.4	7.2	3.6	3.4	2.3	4.5	2.4	2	2.6	3	4.1	4.2	3.5
12	1.3	1.4	1.8	2.2	1.7	0.3	1.3	3.3	3.3	4.4	6.7	5.8	5.5	5.9	6.2	6	5.5	4.9	4.5	4.4	5.6	4.8	5.4	5.4	4.1
13	5.4	5.2	4.6	4.6	4.3	3.1	3.6	4	4.8	5.4	5.2	5.3	4.9	5.1	5	6.5	6.2	3	2.6	2.7	2.2	2.2	7.4	3.8	4.5
14	3.3	2	1.1	3	1.7	1.1	0.4	0.1	0.9	1.8	1.7	1.7	3.2	3.9	4.1	5.6	4.8	5.1	3.6	2.9	3.2	3	3.2	2.6	2.7
15	2.8	3.4	3.1	3.8	4.4	3.4	3.8	5.1	5.4	5.9	5.7	5.2	5.2	5.6	5.4	4.8	4.7	4.1	4	2.6	1.6	1.9	1.5	0.9	3.9
16	0.9	0.6	0.4	0.8	0.1	0	0.2	0.9	2	1.8	2.6	2.4	2.8	2.7	2.4	4	4.9	4	3	3.3	2.7	2.2	3	2.5	2.1
17	2.1	1.9	1.3	1.9	1	1.2	1.5	3.5	5	4.7	5	5.1	5.2	5	5	4.8	4.4	3.4	4.5	4.3	3.9	3.5	4.1	3.4	3.6
18	2.9	2.6	2.9	2.5	1.9	1.7	2.8	0.8	0.7	1.6	2.7	2.8	2.9	2.5	3.2	3.8	5.1	3.9	1.8	2.2	1.1	1.2	2.5	3.1	2.5
19	2.6	2.6	0.8	0.5	3.2	0.6	0.6	1.5	2.7	3.4	3.1	3.3	4.4	3.7	4.4	4.2	3.3	2.7	2.3	2	3.4	5.5	4.3	4.6	2.9
20	4	3.8	3.5	4.2	4	3.7	4.1	4.6	5	3.9	4.8	4.5	4.3	4.4	4.8	3.6	2.5	2	1.7	1.2	2	3.1	3.1	3.5	3.6
21	2.4	1.8	2.3	1.3	1.6	1	1.9	1.1	1.4	2.7	3.9	3.1	2.6	2.2	2.2	3.3	3.4	3.9	2.9	1.3	0.6	0	0.1	0.5	2
22	0.3	0.3	1.1	1.3	1.5	0.9	0.2	0.4	1.4	2.4	3	3.3	3.1	2.7	2	3	3.4	3	2	1.6	2.3	0.5	0.4	0.4	1.7
23	0.8	1.2	0.9	0.9	0.2	0.4	1.1	2.7	3.8	3.5	3.3	4.3	4.4	5.2	4.7	4	4.1	2.8	3	3.6	3.6	3.6	4.2	3.8	2.9
24	2.4	2.9	6.7	2.3	1.7	3	3	3.4	2.7	2.4	1.7	1.9	2	3.5	2.9	3.3	3.4	4	4.2	3.3	3.2	3.2	3.4	2.9	3.1
25	3.1	3.4	3.5	3.4	3.5	4	4.1	4.1	5.2	7.2	6.3	7.5	7.5	7.8	7.6	7.4	7	6.4	4.8	3.9	3.3	2.8	2.9	2.7	5
26	1.9	2.5	3.2	2.9	3.3	4.4	3.1	3.4	3.9	5.2	4.8	4.1	4.7	4.7	3.5	3	3.8	3.3	1.5	2.2	2.2	1	1.1	1.3	3.1
27	1.3	0.1	0.6	0.5	1.7	0.9	1	2.5	3.7	3.3	3.8	4.4	4.3	4.3	4.4	4.7	3.9	3.2	3.4	3.9	3.7	3.1	3.4	3.8	2.9
28	2.3	3.3	2	3.2	2.4	2.5	2.3	3.3	5	4.3	4	4.2	4.6	4.8	4.9	4	4.2	3.2	1.3	1.1	2	2.5	2.3	2.1	3.2
29	2.2	1.7	1.4	0.9	1.1	1.5	1.5	1.9	3.5	3.3	2.7	2.8	3.9	4.7	5	5.2	3.8	3.2	2.6	1.9	1.7	1.4	0.7	0.9	2.5
30	0.6	0.1	0.1	0.2	0	0.1	0.1	0.4	2	2.4	2.8	4	3.6	3.1	3.7	3.7	4.1	3.4	2.6	1.7	1.7	1.8	3	2.5	2
31	2.5	2.1	3	2.8	2.5	1.7	2.1	2.5	3.5	4.5	4.4	5.3	5.8	6.3	5.7	6	5.1	3.8	3.1	3.3	4.1	5.3	5.5	5	4
Avg	2.2	2	2	2	2	1.7	1.8	2.6	3.2	3.6	3.9	4.1	4.3	4.6	4.5	4.6	4.3	3.8	3	2.6	2.7	2.7	3	2.6	3.1
S D	1.1	1.2	1.4	1.3	1.4	1.2	1.2	1.3	1.4	1.5	1.4	1.3	1.2	1.3	1.2	1.2	1.1	0.9	1	1	1.1	1.3	1.6	1.3	0.8
S/A	0.49	0.61	0.71	0.67	0.69	0.73	0.64	0.5	0.42	0.42	0.35	0.31	0.28	0.28	0.28	0.26	0.25	0.25	0.34	0.37	0.4	0.48	0.54	0.49	0.26
Min	0.3	0.1	0	0.1	0	0	0.1	0.1	0.7	1.3	1.7	1.7	2	2.2	2	3	2.3	2	1.3	1.1	0.6	0	0.1	0.4	1.7
Max	5.4	5.2	6.7	4.7	5.3	4.4	4.1	5.1	5.4	7.2	6.7	7.5	7.5	7.8	7.6	7.4	7	6.4	5.1	4.4	5.6	5.5	7.4	5.4	5
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

August 2001

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	1024	1024	1023	1024	1024	1024	1025	1026	1026	1026	1026	1026	1026	1026	1026	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
2	1025	1025	1024	1024	1024	1025	1025	1025	1025	1025	1025	1025	1025	1024	1024	1023	1023	1022	1022	1022	1022	1022	1021	1021	1024
3	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1017
4	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1014
5	1015	1015	1015	1016	1016	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1021	1018
6	1020	1020	1020	1020	1020	1021	1021	1021	1021	1021	1021	1022	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1020
7	1019	1019	1019	1019	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1017
8	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014
9	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1013	1013	1013	1012	1012	1012	1012	1013	1013	1014	1014	1014
10	1014	1013	1013	1013	1013	1013	1013	1014	1014	1014	1013	1013	1013	1012	1012	1011	1011	1011	1011	1012	1012	1013	1014	1014	1013
11	1014	1014	1013	1013	1013	1014	1015	1015	1015	1016	1016	1015	1015	1015	1014	1014	1014	1014	1015	1016	1017	1017	1017	1017	1015
12	1017	1018	1017	1016	1017	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018
13	1017	1017	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016	1015	1014	1013	1013	1014	1014	1013	1013	1014	1013	1013	1012	1015
14	1012	1012	1011	1011	1011	1011	1012	1012	1011	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1011
15	1011	1011	1011	1011	1011	1012	1013	1013	1014	1014	1015	1015	1015	1014	1014	1014	1014	1015	1015	1016	1016	1017	1017	1017	1014
16	1016	1016	1016	1016	1017	1017	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1018	1018	1017	1018	1018	1018	1018	1018	1018
17	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1018	1018	1017	1017	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1017
18	1016	1015	1015	1015	1014	1015	1015	1015	1016	1016	1016	1015	1014	1014	1013	1013	1014	1013	1013	1014	1013	1012	1011	1012	1014
19	1013	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013	1012	1012	1012	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012
20	1012	1012	1012	1011	1011	1012	1013	1013	1013	1014	1014	1013	1013	1013	1012	1012	1013	1012	1012	1012	1013	1014	1014	1014	1013
21	1014	1014	1014	1014	1014	1014	1015	1016	1016	1017	1017	1017	1016	1016	1016	1015	1016	1016	1016	1016	1016	1017	1017	1017	1016
22	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1018
23	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1016	1015	1014	1014	1014	1013	1014	1014	1014	1016
24	1013	1013	1014	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1014	1014	1014	1015	1015	1015	1015	1015	1014
25	1014	1015	1014	1014	1015	1015	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1017	1017	1016	1016	1016
26	1016	1016	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1015
27	1014	1013	1013	1013	1013	1013	1013	1013	1014	1014	1013	1013	1012	1012	1011	1010	1010	1010	1010	1011	1011	1011	1011	1012	1012
28	1011	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1011	1012	1012	1013	1013	1013	1014	1012
29	1013	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1015	1015	1014	1015	1015	1014	1015	1016	1016	1016	1014
30	1016	1015	1015	1015	1015	1015	1016	1017	1017	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015
31	1014	1014	1014	1013	1013	1014	1014	1014	1014	1014	1013	1013	1012	1012	1011	1010	1011	1010	1010	1011	1011	1011	1011	1011	1012
Avg	1016	1016	1015	1015	1015	1016	1016	1016	1017	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016
S D	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	
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	
Min	1011	1011	1011	1011	1011	1011	1012	1012	1011	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	
Max	1025	1025	1024	1024	1024	1025	1025	1026	1026	1026	1026	1026	1026	1026	1026	1025	1025	1025	1025	1025	1025	1025	1025	1025	
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL