

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

December 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	0	2	31	184	337	444	498	493	436 ?	295 ?	148	30	0	0	0	0	0	0	0	2898
2	0	0	0	0	0	0	0	22	111	320	316	331	381	275	206	72	32	0	0	0	0	0	0	0	2066
3	0	0	0	0	0	0	0	27	115	265	442	503	495	429	309	149	32	0	0	0	0	0	0	0	2766
4	0	0	0	0	0	0	0	33	137	279	496	480	491	426	304	145	31	0	0	0	0	0	0	0	2822
5	0	0	0	0	0	0	0	43	208	383	439	494	488	429	309	148	28	0	0	0	0	0	0	0	2968
6	0	0	0	0	0	0	0	46	186	334	439	493	484	439 ?	299	148 ?	30	0	0	0	0	0	0	0	2897
7	0	0	0	0	0	0	0	26	153	395	440	469	481 ?	457 ?	281	74 ?	28	0	0	0	0	0	0	0	2805 ?
8	0	0	0	0	0	0	0	18	151	268	361	449	364	300	227	86	34	0	0	0	0	0	0	0	2256
9	0	0	0	0	0	0	0	16	55	122	134	154	233	209	210	151	33	0	0	0	0	0	0	0	1316
10	0	0	0	0	0	0	0	30	100	305	407	346	280	136	132	63	6	0	0	0	0	0	0	0	1806
11	0	0	0	0	0	0	0	4	30	92	104	60	87	77	64	44	13	0	0	0	0	0	0	0	575
12	0	0	0	0	0	0	0	13	61	92	113	144	144	108	51	28	12	0	0	0	0	0	0	0	767
13	0	0	0	0	0	0	0	9	56	104	223	184	289	240	116 ?	117	32	0	0	0	0	0	0	0	1370
14	0	0	0	0	0	0	0	12	69	87 ?	108	181	336	276	186	116	13	0	0	0	0	0	0	0	1383
15	0	0	0	0	0	0	0	27	161	324	432	488	489	434	320	160	36	0	0	0	0	0	0	0	2869
16	0	0	0	0	0	0	0	40	173	326	461	495	474	416	303	157	29	0	0	0	0	0	0	0	2873
17	0	0	0	0	0	0	0	17	114	288	335	424	463	422	283	145	30	0	0	0	0	0	0	0	2520
18	0	0	0	0	0	0	0	9	42	290	410	493	494	432	299	146	33	0	0	0	0	0	0	0	2647
19	0	0	0	0	0	0	0	40	146	304	393	389	411	349	243	144	23	0	0	0	0	0	0	0	2443
20	0	0	0	0	0	0	0	34	164	321	437	499	503	444	331	172	38	0	0	0	0	0	0	0	2944
21	0	0	0	0	0	0	0	35	170	328	444	504	507	418	333	171	38	0	0	0	0	0	0	0	2948
22	0	0	0	0	0	0	0	34	166	321	438	500	501	440	326	168	34	0	0	0	0	0	0	0	2929
23	0	0	0	0	0	0	0	36	165	316	423	475	470	364	239	78	25	0	0	0	0	0	0	0	2591
24	0	0	0	0	0	0	0	9	49	228 ?	219	311	430	442	327	176	42	0	0	0	0	0	0	0	2233
25	0	0	0	0	0	0	0	32	98	191	261	200	471	365	231	139	21	0	0	0	0	0	0	0	2010
26	0	0	0	0	0	0	0	7	24	117	174	136	92	137	156 ?	116	32	0	0	0	0	0	0	0	992
27	0	0	0	0	0	0	0	33	161	319	436	500	505	450	340	181	42	0	0	0	0	0	0	0	2967
28	0	0	0	0	0	0	0	32	161	309	397	406	382	310	273	150	41	0	0	0	0	0	0	0	2460
29	0	0	0	0	0	0	0	14	59	139	332	363	329	333	313	162	38	0	0	0	0	0	0	0	2084
30	0	0	0	0	0	0	0	44	130	303	418	510	518	462	349	188	46	0	0	0	0	0	0	0	2968
31	0	0	0	0	0	0	0	16	80	272	394	450	312	324	270	151	18	0	0	0	0	0	0	0	2287
Avg	0	0	0	0	0	0	0	25	119	261	351	385	400	348	256	132	30	0	0	0	0	0	0	0	2305
S D	0	0	0	0	0	0	0	12	53	93	120	141	126	115	81	42	9	0	0	0	0	0	0	0	710
S/A	0	0	0	0	0	0	5.57	0.48	0.45	0.36	0.34	0.37	0.31	0.33	0.32	0.32	0.32	0	0	0	0	0	0	0	0.31
Min	0	0	0	0	0	0	0	4	24	87	104	60	87	77	51	28	6	0	0	0	0	0	0	0	575
Max	0	0	0	0	0	0	2	46	208	395	496	510	518	462	349	188	46	0	0	0	0	0	0	0	2968
n	0	0	0	0	0	0	1	321	370	366	371	370	363	352	357	358	301	0	0	0	0	0	0	0	3530

Daylight Data Recovery: 0.0% missing; 1.9% exceed the 15% QC threshold -- 3599 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25823F3 Calibration Factor: 9.830 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.

December 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	0	?	?	?	?	?	?	100 ?	308 ?	761 ?	?	819 ?	0	0	0	0	0	0	0	1987 ?
2	0	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	0	?
4	0	0	0	0	0	0	0	*	*	*	*	*	?	?	?	?	?	0	0	0	0	0	0	0	*
5	0	0	0	0	0	0	0	*	*	?	?	?	210 ?	786	?	?	844 ?	0	0	0	0	0	0	0	1839 *?
6	0	0	0	0	0	0	0	423 ?	?	?	?	?	496	917 ?	?	724 ?	416	0	0	0	0	0	0	0	2977 ?
7	0	0	0	0	0	0	0	619 ?	?	?	?	178 ?	508 ?	794 ?	?	571 ?	305	0	0	0	0	0	0	0	2974 ?
8	0	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	0	?
10	0	0	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	0	0	*
12	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
13	0	0	0	0	0	0	0	*	*	*	?	95 ?	107 ?	?	?	?	?	0	0	0	0	0	0	0	202 *?
14	0	0	0	0	0	0	0	?	?	46 ?	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
15	0	0	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	0	0	?
17	0	0	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
18	0	0	0	0	0	0	0	*	606 ?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
19	0	0	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	0	0	?
21	0	0	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	0	0	*
23	0	0	0	0	0	0	0	123 *?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
24	0	0	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	0	0	*
26	0	0	0	0	0	0	0	*	*	*	*	174 *?	*	*	?	?	409 ?	0	0	0	0	0	0	0	*
27	0	0	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	0	0	?
29	0	0	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
30	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
31	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
Avg	0	0	0	0	0	0	0	388	606	46	N/A	149	284	701	761	647	559	0	0	0	0	0	0	0	2646 *?
S/D	0	0	0	0	0	0	0	250	0	0	0	47	203	269	0	109	253	0	0	0	0	0	0	0	571
S/A	0	0	0	0	0	0	0	0.64	0	0	0	0.32	0.72	0.38	0	0.17	0.45	0	0	0	0	0	0	0	0.22
Min	0	0	0	0	0	0	0	123	606	46	N/A	95	100	308	761	571	305	0	0	0	0	0	0	0	1987
Max	0	0	0	0	0	0	0	619	606	46	N/A	178	508	917	761	724	844	0	0	0	0	0	0	0	2977
n	0	0	0	0	0	0	0	7	2	3	0	13	27	29	5	6	26	0	0	0	0	0	0	0	76

Daylight Data Recovery: 38.0% missing; 58.6% exceed the 15% QC threshold -- 3599 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

December 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	0	2	29	184	329 ?	?	?	?	?	254 ?	154	30	0	0	0	0	0	0	0	983 ?
2	0	0	0	0	0	0	0	21	106	263 ?	299	305	307 ?	258	196	70	31	0	0	0	0	0	0	0	1856
3	0	0	0	0	0	0	0	26	110	251	411 ?	?	?	?	300 ?	154	31	0	0	0	0	0	0	0	1283 ?
4	0	0	0	0	0	0	0	30	125	258	?	?	?	?	254 ?	153	31	0	0	0	0	0	0	0	850 ?
5	0	0	0	0	0	0	0	48	?	?	?	?	?	?	251 ?	158	29	0	0	0	0	0	0	0	486 ?
6	0	0	0	0	0	0	0	44	177	?	?	?	?	?	278 ?	151	29	0	0	0	0	0	0	0	679 ?
7	0	0	0	0	0	0	0	26	112 ?	285 ?	382 ?	379 ?	?	360 ?	272	110 ?	26	0	0	0	0	0	0	0	1951 ?
8	0	0	0	0	0	0	0	17	141	253	289	261	271	215	133	59	25	0	0	0	0	0	0	0	1664
9	0	0	0	0	0	0	0	15	52	117	127	149	223	200	144	36	14	0	0	0	0	0	0	0	1078
10	0	0	0	0	0	0	0	29	74	73	128	227	207	131	128	61	6	0	0	0	0	0	0	0	1064
11	0	0	0	0	0	0	0	5	29	90	102	59	86	76	63	43	13	0	0	0	0	0	0	0	565
12	0	0	0	0	0	0	0	12	60	91	111	141	141	107	50	28	13	0	0	0	0	0	0	0	753
13	0	0	0	0	0	0	0	9	56	101	211	182	253	181	109	71	27	0	0	0	0	0	0	0	1200
14	0	0	0	0	0	0	0	12	68	97	106	177	151	172	157	77	13	0	0	0	0	0	0	0	1030
15	0	0	0	0	0	0	0	11	32	41	45	48	52	45	39	29	12	0	0	0	0	0	0	0	354
16	0	0	0	0	0	0	0	19	68	62	103	94	69	61	60	47	17	0	0	0	0	0	0	0	600
17	0	0	0	0	0	0	0	16	108	164	150	104	133	118	74	54	20	0	0	0	0	0	0	0	940
18	0	0	0	0	0	0	0	8	36	60	89	43	43	41	42	32	11	0	0	0	0	0	0	0	405
19	0	0	0	0	0	0	0	15	39	89	193	172	202	248	175	98	18	0	0	0	0	0	0	0	1249
20	0	0	0	0	0	0	0	14	33	43	47	47	47	46	41	30	12	0	0	0	0	0	0	0	361
21	0	0	0	0	0	0	0	13	32	41	44	44	44	42	37	28	11	0	0	0	0	0	0	0	335
22	0	0	0	0	0	0	0	13	31	39	42	44	42	36	32	25	8	0	0	0	0	0	0	0	312
23	0	0	0	0	0	0	0	14	33	51	55	64	86	150	144	74	24	0	0	0	0	0	0	0	694
24	0	0	0	0	0	0	0	8	38	122	143	131	149	60	42	32	13	0	0	0	0	0	0	0	738
25	0	0	0	0	0	0	0	25	80	144	174	102	76	103	188	85	21	0	0	0	0	0	0	0	998
26	0	0	0	0	0	0	0	7	24	114	158	132	90	132	135	104	23	0	0	0	0	0	0	0	919
27	0	0	0	0	0	0	0	14	34	48	55	59	59	57	49	38	15	0	0	0	0	0	0	0	428
28	0	0	0	0	0	0	0	14	39	63	191	194	201	238	126	83	15	0	0	0	0	0	0	0	1164
29	0	0	0	0	0	0	0	14	57	127	178	230	235	231	185	46	12	0	0	0	0	0	0	0	1316
30	0	0	0	0	0	0	0	40 ?	81	77	58	47	47	45	41	30	13	0	0	0	0	0	0	0	478
31	0	0	0	0	0	0	0	15	64	91	138	168	226	246	186	118	18	0	0	0	0	0	0	0	1270
Avg	0	0	0	0	0	0	0	19	71	124	149	139	137	138	135	73	19	0	0	0	0	0	0	0	903 ?
S D	0	0	0	0	0	0	0	11	44	85	99	89	84	89	85	44	8	0	0	0	0	0	0	0	442
S/A	0	0	0	0	0	0	5.57	0.57	0.62	0.69	0.67	0.65	0.64	0.63	0.63	0.6	0.41	0	0	0	0	0	0	0	0.49
Min	0	0	0	0	0	0	0	5	24	39	42	43	42	36	32	25	6	0	0	0	0	0	0	0	312
Max	0	0	0	0	0	0	2	48	184	329	411	379	307	360	300	158	31	0	0	0	0	0	0	0	1951
n	0	0	0	0	0	0	1	318	355	321	309	302	297	305	326	367	301	0	0	0	0	0	0	0	3204

Daylight Data Recovery: 0.0% missing; 11.0% exceed the 15% QC threshold -- 3599 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

December 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	19.9	19.9	19.7	19.6	19.3	18.9	18.2	18.1	19.4	21.1	22.4	23.2	24	24.9	25.3	25.2	24.3	22.4	20.8	19.6	18.5	17.9	16.8	16.4	20.7
2	15.5	15	14.5	14.2	13.6	13.1	13.1	12.5	12.3	13.6	14.7	15	15.1	15	14.5	13.9	13.2	12.2	11.3	10.8	10.4	10.2	9.9	9.7	13.1
3	9.3	8.7	8.6	8.2	7.8	7.5	7.4	8.1	9.8	11.9	14.7	16.1	16.7	17	17	16.3	14.7	13	12.2	11.6	11.1	10.1	8.6	7.6	11.4
4	6.7	6.4	5.7	5.6	5.3	4.7	4.1	4	5.7	8.1	11.7	15	16.9	18.2	18.6	18.3	16.3	14.3	12.9	12.1	11.5	9.9	9	8.4	10.4
5	7.7	6.9	6.2	5.7	6.1	6.2	5.8	6.4	8.8	12.9	16.8	19.4	21.4	22.6	22.5	22.5	21.3	19	17.6	16.1	14.9	14.9	14.8	14.1	13.8
6	14.1	14	14	13.9	13.5	12.5	12.4	12.9	15	18	19.9	21.3	22	22.6	22.8	22.7	21.8	20.2	19.1	18	16.7	15.5	15.6	15.2	17.2
7	14.9	14.6	14.3	14.2	14.1	14.2	14.2	14.8	15.9	18.7	21	22.2	22.6	23.5	23.9	23.6	21.1	17.8	16.7	15.9	15.4	14.8	14.4	14.1	17.4
8	13.6	13.2	13.6	13.9	14	14.1	14.6	15.1	15.8	17.3	18.7	20	20.5	21.1	21.9	22	21.4	19.4	18.1	17.7	17.5	17.4	17.2	17.3	17.3
9	17.4	17.7	17.6	17.3	16.4	14.8	13.4	12.5	12.2	12.1	12	12	12.2	12.4	12.4	12.4	11.6	10.3	9.4	9.1	9	8.4	8.5	8.3	12.5
10	8.3	8.3	8.4	8.2	7.5	7.3	7.7	7.9	8.6	10.6	13.5	13.7	13.9	13.8	13.2	13	12.8	12.7	12.6	12.4	11.6	11.3	11.7	12.6	10.9
11	13	13.4	13.7	13.8	13.9	13.8	13.4	13.3	13.2	13.7	14.3	14.4	14.3	14.2	14.1	14	14	13.6	13.3	12.9	12.6	12.4	12.4	12.3	13.5
12	12.1	12.3	12.4	12.5	12.6	12.7	12.9	13	13.4	14	14.5	15.1	15.2	15.4	15.1	14.9	14.6	14.3	13.9	13.8	13.8	13.5	13.4	13.2	13.7
13	13	12.8	12.6	12.6	12.7	12.7	12.4	12.8	13.1	13.5	14.5	15.7	16.5	17.7	17.3	17.8	17	16	15.6	15.8	16.2	16.3	16.3	16.2	14.9
14	16.3	16.2	16.7	17.1	17	17	17	16.9	16.8	17.4	18	19.3	20.7	21.9	21.7	21.5	20.8	20.2	19.5	19.3	19.3	19.1	18.9	18.7	18.6
15	18.6	18.5	18.2	17.6	16.7	15.7	14.4	13.6	14	14.5	15.5	16	15.6	15.6	15.9	15	14	12.4	11	10.2	9.5	8.8	8.3	8.2	14.1
16	8.2	7.4	6.8	5.8	5.4	4.9	4.9	4.9	6.4	8	9.4	10.7	11.6	12.1	11.9	11.3	9.6	8.5	8.3	7.8	7.3	7	6.5	6	8
17	5.8	5.4	5.2	5.9	6	6.4	7	7	8.5	12.2	14.8	16.2	17.5	18.6	19.6	20.1	19.1	17.7	16.7	16.1	16.7	17.5	17.7	18	13.2
18	18.4	17.8	17.3	17.3	17	16.9	16.8	16.3	15.3	15.9	16.3	16.5	16.9	17.2	17.4	17.1	16.1	14.3	13.3	12.2	11.3	10.3	9.4	8.7	15.3
19	7.8	7.2	6.5	5.1	4.7	5.3	5.5	4.6	6.4	10.3	12.4	13.1	13.6	14.1	15	15.4	14.4	13.6	12.9	12.1	11.8	12.3	12.4	13.2	10.4
20	12.4	11.7	10.7	9.8	9.1	8.7	7.9	7.9	8.9	9.9	10.9	11.3	11.5	11.5	10.9	10.3	9.2	7.5	6.1	5.3	4.7	4.5	4	3.3	8.7
21	2.7	2.5	2.5	2.6	2.2	1.6	1.1	1	2.3	4.8	6.8	8.4	9.3	9.8	10	9.9	9.1	7.4	5.9	4.8	4.2	3.6	3.4	2.5	4.9
22	0.8	0.1	-0.2	-0.4	-1.3	-2.3	-2.2	-1.1	1.5	4	5.6	6.4	7.6	8.5	9	9	8.4	6.1	5	4.2	4.1	3.6	2.9	2.2	3.4
23	1.8	2.1	2.2	2.9	2.2	2.6	2.8	3.3	5.1	7.8	10.2	11.5	12.8	14.1	15.1	14.8	14.5	14.4	14.5	14.7	15.6	15.8	16.1	16.4	9.7
24	16.6	16.3	16.1	16	16.1	15.2	12.8	11.3	10.8	11.7	12.1	12.6	13.3	13.6	13.8	13.1	11.8	9.9	8.5	7.2	6.2	5.6	4.8	3.8	11.6
25	2.6	2.4	2	1	0.1	-0.6	-1	-1	0.1	1.7	4.3	5.1	7.8	8.7	8.6	8.7	8	7.3	7	7	7	6.6	6.1	5.8	4.4
26	5.3	5.2	5.5	5.6	5.8	5.6	5.6	5.6	5.7	6.4	7.2	7.3	6.4	5.8	5.9	6	5.1	3.9	3.1	2.4	0.8	-0.1	-0.1	-0.6	4.6
27	-0.9	-1.3	-1.3	-1.7	-2.2	-2.2	-2.5	-2.3	-1.1	0.9	2.4	3.3	4.2	4.9	5.6	5.8	5.4	4.3	3.4	2.6	2.3	1.9	1.9	2	1.5
28	2.2	1.8	1.9	1.9	1.6	1.2	0.6	0.1	1.5	4.2	6.5	8	8.5	9.7	10.4	10.7	10.4	9.4	8.8	7.2	6.7	7.3	8.3	7	5.7
29	6.3	5.4	5.7	6.3	5.7	5.3	5.6	5.6	5.5	5.8	8.3	10.6	11.9	12.1	12.8	13	12.7	10.8	9.6	9.1	9	7.9	7.2	6.3	8.3
30	4.9	3.7	2.1	0.6	-0.5	-1.1	-1.6	-1.9	-1	-0.5	0.5	1.6	2.2	2.9	3.6	3.9	3.1	1.7	0.8	0.2	-0.7	-1.2	-1	-0.6	0.9
31	-0.7	-0.9	-1	-1.2	-1	-1	-0.9	-1	-0.5	0.9	2.1	3.4	4.2	5.2	5.9	5.9	5.5	5.1	4.7	4.5	4.4	4.2	4.4	4.2	2.3
Avg	9.5	9.2	9	8.8	8.4	8.1	7.9	7.8	8.7	10.4	12	13	13.8	14.3	14.6	14.5	13.6	12.3	11.4	10.7	10.3	9.9	9.7	9.4	10.7
S D	6.2	6.3	6.3	6.4	6.5	6.4	6.3	6.2	5.9	5.7	5.6	5.7	5.8	5.7	5.7	5.5	5.3	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.3
S/A	0.65	0.68	0.71	0.73	0.77	0.79	0.81	0.8	0.67	0.55	0.47	0.44	0.41	0.4	0.39	0.39	0.41	0.44	0.47	0.5	0.53	0.56	0.58	0.61	0.5
Min	-0.9	-1.3	-1.3	-1.7	-2.2	-2.3	-2.5	-2.3	-1.1	-0.5	0.5	1.6	2.2	2.9	3.6	3.9	3.1	1.7	0.8	0.2	-0.7	-1.2	-1	-0.6	0.9
Max	19.9	19.9	19.7	19.6	19.3	18.9	18.2	18.1	19.4	21.1	22.4	23.2	24	24.9	25.3	25.2	24.3	22.4	20.8	19.6	19.3	19.1	18.9	18.7	20.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI 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

December 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	95.7	96.6	96.9	96.8	96.9	98	98.8	98	92.7	83.5	76.6	71.6	66.8	62.3	60.4	58	60.1	67.4	74.7	80	89.2	97.2	99.8 ?	?	83.4	
2	?	?	?	?	96.5 ?	99	97.3	95.1	90.4	87.2	82.4	77.7	74	72.4	73.9	75.7	77.2	81.1	84.4	86	87.4	87.8	87	85.2	84.9 ?	
3	85.4	86.2	88.9	93.4	96.5	99	?	99.5 ?	97.1	90	78.5	71.5	68.2	67.4	68.5	73	83	94.6	98.6	?	?	?	?	?	85.5 ?	
4	?	?	?	?	?	?	?	?	?	?	96.8 ?	81.5	69.6	56.3	58.2	64	78.8	87	95.4	99.6 ?	?	?	?	?	78.7 ?	
5	?	?	?	?	?	?	?	?	?	88.9 ?	68.1	50.4	34.9	24.4	25.6	27.5	30.4	37.6	46.4	52	61.7	66.9	67.3	72	50.3 ?	
6	76.2	78.3	83.2	87.8	92.8	96.4	97.8	98.2	96.4	88.7	77	65.1	58.9	56.9	56.6	56.3	58.7	63.3	68.2	73	78.2	85.2	89.3	91.2	78.1	
7	95.1	97.1	98	98.4	99.3	98.5	96.9	94.7	89.3	77.7	67.9	62.1	60.4	56.4	54.5	56.3	65.7	68	71.5	79.4	84	88.5	91.8	95.6	81.1	
8	98.7	99.9 ?	99.7 ?	98.9 ?	97.2	96.7	95.9	91.5	85.8	82.1	80.4	77.2	77.4	76.7	72.6	70.7	71.3	80	85.3	86.4	89	90.2	91.2	93.9	87	
9	96.7	98	99.3 ?	?	97.1 ?	93.4	95.3	91.3	83.8	75.4	71.6	67.1	62	57.8	50.6	51	58	68.5	73.5	70.7	65.1	66.9	65.7	66.9	75	
10	70.5	75.2	78.1	79.9	82.3	86	87.2	88.1	88.6	83	74.7	77.4	78	80.4	84	86.4	89.2	90.8	91.9	94.3	98.7 ?	?	?	?	84 ?	
11	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
12	?	?	?	?	?	?	?	?	?	?	99.6 ?	98.3	97.8	97.4	97.9	98.8	99.8 ?	?	?	?	?	?	?	?	98.5 ?	
13	?	?	?	?	?	?	?	?	?	?	?	99.1 ?	97.4	94.9	96.7	95.8	98.2	?	?	?	?	?	?	?	97 ?	
14	?	?	?	?	?	?	?	?	?	?	?	98.7 ?	94.5	85.8	85.9	88.8	93.4	97.7	99.5 ?	?	?	?	?	?	93 ?	
15	?	?	?	?	?	94.7	92.3	86.2	72.8	63.3	57.3	52.1	50.2	44.7	41.8	45.4	48.6	57.2	66.6	72.4	77.5	82	84.5	83.2	67 ?	
16	77.8	76.3	75.9	78.1	77.3	76.1	75.3	77.5	77.4	76	74.8	71.4	66.7	64.6	67.4	68.6	78.9	84.6	87.6	91.3	95.8	97.1	99.2	99.8 ?	79.8	
17	?	?	?	?	?	?	?	?	98.3 ?	90.1	73.8	68.1	69.3	69	72.7	72.1	76.6	83.5	89.2	94.7	95.4	95	96.6	97.5	83.9 ?	
18	96.9	99 ?	?	99.5 ?	99.7 ?	97.3	92.3	85.2	77.5	64.3	56.7	51.2	46.4	43.6	40.4	41.7	42.3	49.2	54.9	59.7	62.7	66.7	68.7	73.3	68.2 ?	
19	81.2	85.1	87.2	93.2	94.6	93.8	93.6	97.7	90.9	80.8	75.4	68.4	68.1	68.4	66.9	64.4	70.6	67.4	79.9	91.9	91.4	89.3	93.5	93.3	82.8	
20	88.9	81.3	79.1	76.7	76.6	77.3	80.3	79.3	75.1	66.4	56	51.3	47	41.2	37.1	33	34.5	35.6	41.2	42.1	43.5	42.3	41.9	43.6	57.1	
21	46	46.4	48.4	47.9	49.3	51.2	53.8	54.6	51.8	45.5	39.6	34.5	31.6	28.7	27.4	25.8	28.6	31.9	34.5	37.9	40	43.2	45.8	50.1	41.4	
22	57.9	60.5	63.3	65.5	69.3	74.1	74.5	70.6	63.5	58.1	46.8	44.2	39.7	37.7	36.3	35.6	37.9	48.2	67.4	75.9	81.3	85.7	86.4	92.3	61.4	
23	94	93.7	91.9	84.1	85.3	83.3	81.9	85.3	84	77.8	65.1	59.3	56	53.2	53.4	65.2	70.6	73.6	75.1	78.5	81	82.3	83.9	87.6	76.9	
24	92.4	98.5	99.3	99.8 ?	?	97.5	98.4	98.7 ?	?	96.6	88.1	81.1	74.6	60.6	52.4	42.3	42.5	50.1	54.7	59.1	61.4	61.4	61.2	62.7	74.3 ?	
25	66.8	65	65.4	69.4	72.3	74.7	76	74.3	70.1	66.5	63.8	64.4	59.1	63.5	67.2	65.1	69.7	79.3	81.1	81.2	82.9	89.7	95.7	99.1 ?	73.4	
26	99.9 ?	?	?	?	?	?	?	?	99.1	97.7	95.7	89.5	89.2	87.9	81	73.8	76.1	80.9	82.7	84.8	92.3	96.4	96.5	97.1	89.4 ?	
27	97.8	94.9	85.8	76.9	70	63.5	61.6	60.1	61.3	55.9	48.9	43.2	41.2	39.3	36.8	36.5	38.3	42	46.5	52.2	54.2	56.5	58.6	64.6	57.8	
28	63.9	69.1	69.6	68.8	69	67.7	67.8	70.9	68.2	63.4	54.9	46.1	47.9	44.1	41.9	41.5	42.3	46.7	48.6	55.2	60.6	63.7	62.3	65.9	58.3	
29	67.1	69.8	69.1	66	69.4	71.3	70.3	69.6	70	72.9	65.2	55.6	45.9	42	43.5	48.6	50.9	58.1	66.5	67.5	54.5	49.3	43.6	59.2	60.2	
30	58.2	57.4	62.9	59	63.3	65.3	69.3	70.3	63.6	57.5	48.9	40.4	38	36	34.3	33.2	35.3	39.6	43.3	44.9	50	53	54.6	54.5	51.4	
31	55.9	59.2	62.6	66	63.9	59.7	54.2	54.6	51.4	45.1	38.4	34.5	33.6	32.4	31.8	32.9	35.5	37.4	42.9	51.7	51.3	52.8	50.1	56.4	48.1	
Avg	80.1	80.4	80.2	80.3	81.8	83.2	82.3	82.2	79.1	74.4	68.7	65.1	61.5	58.2	57.2	57.6	61.4	64.3	69.7	71.6	73.2	74.5	75.6	77.6	73.6 ?	
S D	16.9	16.4	15.2	15.4	15	15	14.8	14.4	14.4	14.8	16.4	18.4	19	19.6	20.2	20.5	21.4	19.9	19.2	17.9	18	18.3	19.6	17.9	15.2	
S/A	0.21	0.2	0.19	0.19	0.18	0.18	0.18	0.17	0.18	0.2	0.24	0.28	0.31	0.34	0.35	0.36	0.35	0.31	0.28	0.25	0.25	0.25	0.26	0.23	0.21	
Min	46	46.4	48.4	47.9	49.3	51.2	53.8	54.6	51.4	45.1	38.4	34.5	31.6	24.4	25.6	25.8	28.6	31.9	34.5	37.9	40	42.3	41.9	43.6	41.4	
Max	99.9	99.9	99.7	99.8	99.7	99	98.8	99.5	99.1	97.7	99.6	99.1	97.8	97.4	97.9	98.8	99.8	97.7	99.5	99.6	98.7	97.2	99.8	99.8	98.5	
n	255	239	226	220	233	274	264	260	279	302	318	346	360	360	360	360	352	336	330	302	294	287	278	264	7101	

Data Recovery: 0.0% missing; 20.5% 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

December 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	19.3	19.4	19.5	19.4	19.1	18.5	17.6	17.3	19.1	22.2	24.4	25.9	26.5	26.9	27.1	26.6	25.2	22.1	19.6	18	16.8	16.2	15.6	14.9	20.7
2	14.4	14	13.5	13.1	12.7	12.1	12	12	12.2	14.1	15.7	16.4	17.3	17	16.2	15.3	14.1	12.6	11.2	10.1	9.3	8.9	8.6	8.2	13
3	7.7	7.2	6.9	6.4	6.1	5.7	5.8	6.6	8.4	11.2	15.6	18.5	19.7	19.9	19.6	18.7	16.5	13.2	11.4	10.4	9.9	8.9	7.6	6.9	11.2
4	6.4	6	5.2	4.6	4.6	4.5	4.1	3.6	5.1	8.4	13.4	17.4	19.8	21.1	21.2	20.6	18.1	14.5	11.9	10.9	10.4	9.1	8.3	7.8	10.7
5	7.4	6.5	5.4	4.5	4.3	4.7	4.9	5.4	9	13.4	18.1	21	23	24.2	24.2	23.7	22.1	18.4	16.5	15.2	13.6	13	12.8	12.2	13.5
6	12.2	12.3	12.3	12.3	12.1	11.3	11	11.3	14.3	18.1	21	22.9	24	24.5	24.3	24	22.6	20	18.1	16.8	15.4	14.1	13.8	13.6	16.8
7	13.3	13.3	13.1	13	13	13	13	13.6	14.9	18.8	21.5	23.8	24.6	25.5	25.8	25.5	23.4	19.2	16.8	15.4	14.7	14.1	13.6	13.1	17.3
8	12.7	12.2	12.3	12.8	13.1	13.3	13.8	14.2	15.3	17.1	19.4	21.4	22.6	22.7	22.9	22.8	21.6	19.4	17.5	16.5	16.3	16.1	16	16	17
9	16.2	16.6	16.8	16.7	16.6	15.5	14.1	13	12.6	12.7	12.8	12.7	13	13.5	13.4	13.6	12.4	9.8	8.3	7.2	7.1	7.1	7.3	7.1	12.3
10	7.3	7.4	7.5	7.5	6.6	6	6.2	6.6	7.6	10.7	14.7	16.1	15.9	15.2	14.5	13.9	13.3	12.8	12.3	12.2	11.4	11.1	11.2	11.8	10.8
11	12.4	13	13.3	13.5	13.7	13.7	13.5	13.2	13.1	13.4	14	14.2	14.3	14.5	14.5	14.3	14.1	13.8	13.4	13	12.6	12.4	12.3	12.2	13.4
12	12.1	12.1	12.2	12.3	12.4	12.5	12.6	12.6	12.9	13.8	14.7	15.5	16.1	16.3	16	15.6	15.1	14.7	14.3	14	13.9	13.7	13.6	13.4	13.8
13	13.2	13	12.8	12.7	12.8	12.8	12.6	12.6	13	13.7	15.4	16.7	17.7	19.2	18.7	18.8	18	16.1	15.3	15.5	15.9	16.1	16.2	16.2	15.2
14	16.3	16.2	16.4	16.8	16.9	16.8	16.9	16.9	16.9	17.4	18.1	19.3	21	22.8	22.6	22.4	21.4	20.4	19.3	18.8	18.8	18.8	18.5	18.2	18.7
15	18	17.7	17.5	17	16.3	14.7	13	12	13.6	15.7	17.5	18.5	18.6	17.9	17.7	16.9	15.1	12.3	10.1	8.9	8.1	7.3	6.6	6.2	14
16	6	5.7	5	4.1	3.4	2.9	2.7	3.2	6	8.9	11.6	14.2	15.5	15.7	15.1	14	11.5	8.4	7.1	6.2	5.4	4.8	4.3	4.5	7.8
17	4.2	3.9	3.6	4.1	4.8	5.4	6	6.1	7.1	11	15.1	17.2	19.1	20.3	20.7	21.1	20	17.9	16.5	15.6	15.5	16.2	16.7	16.9	12.7
18	17.5	17.2	17	16.8	16.4	16.1	16.4	16.3	15.7	16.4	18.3	19	19.4	19.3	19.1	18.2	16.9	13.8	11.9	10.7	9.7	8.6	7.1	5.9	15.1
19	5	4.5	4.2	2.8	1.9	1.9	2.4	2.4	5.2	9.6	13.2	14.7	15.3	15.6	16.3	16.1	14.8	13.3	12.1	11.5	10.6	10.8	10.9	11	9.4
20	11.2	10.5	9.7	8.8	8	7.4	6.7	6.5	8.7	11.1	12.9	14.2	14.4	14	13.2	12	10.3	7.2	4.7	3.5	2.7	2.2	2	1.6	8.5
21	0.9	0.5	0.4	0.5	0.2	-0.3	-0.7	-0.7	1.8	5.2	8.2	10.5	11.7	11.9	11.7	11.2	9.8	6.6	4.2	2.5	1.4	0.8	0.7	0	4.1
22	-1.4	-2.5	-3.2	-3.5	-4.2	-4.4	-4.7	-4.3	0	4.3	7.5	9.3	10.5	11.6	11.6	11	9.4	5	2.4	1.5	1.3	0.2	-0.3	-1	2.3
23	-1.2	-1.2	-1	-0.9	-1.1	-0.9	-0.7	0.3	3.7	7.7	11.3	13.6	15	15.7	16	15.4	14.5	13.9	13.9	14.1	14.5	15	15.4	15.7	8.7
24	15.9	15.4	15.2	15.3	15.5	15.5	13.7	12.1	10.8	11.8	12.8	14.3	15.2	16.2	15.9	14.9	13	9.8	7.4	5.7	4.5	3.4	2.5	1.2	11.6
25	0.3	0.2	-0.3	-1	-1.8	-2.3	-2.9	-2.9	-1.6	0.5	3.8	5.1	8.2	11.1	10.9	10.3	8.6	7.3	6.8	6.7	6.7	6.4	5.5	5.2	3.8
26	5.1	4.7	4.8	4.8	5.2	5.3	5.2	5.1	5.1	5.9	7	8.1	7.6	6.9	6.9	6.8	5.5	3.3	1.6	0.2	-1.5	-2	-2.4	-2.8	4
27	-3	-3.2	-3.6	-4.1	-4.6	-4.5	-4.9	-4.7	-1.7	1.4	3.8	5.4	6.4	6.6	6.8	6.7	5.9	3.8	2.3	1.1	0.5	-0.1	-0.3	-0.2	0.7
28	0	-0.1	-0.3	-0.4	-0.5	-0.7	-1	-1.5	1.1	4.6	7.4	9.8	10.3	10.7	10.9	11.3	10.7	8.6	7.4	5.9	4.5	4.6	5.7	5.8	4.8
29	4.3	3.7	2.9	4.2	4.2	4	3.9	4	4.3	5	7.8	11.5	13	13.6	14.1	14	13.2	10.2	8	6.9	7.1	6.5	6.3	6.1	7.5
30	4.9	3.5	1.9	0.1	-1.5	-2.6	-3.1	-3.5	-1.3	0.5	2.7	4.8	5.6	5.9	5.8	5.5	4.2	1.2	-1	-2.3	-3.1	-4	-4.1	-2.9	0.7
31	-2.3	-2.4	-2.2	-2.4	-2.8	-2.5	-2.1	-2	-1.6	1	3.8	6.2	6.6	6.4	7.2	7	5.9	5	4.3	4.1	3.7	3.6	3.6	3.7	2.2
Avg	8.3	8	7.7	7.5	7.2	7	6.7	6.7	8.1	10.5	13	14.8	15.7	16.2	16.2	15.8	14.4	12.1	10.5	9.6	9	8.5	8.2	8	10.4
S D	6.7	6.8	6.9	7.1	7.2	7.1	7	6.8	6.2	5.8	5.6	5.6	5.8	5.7	5.7	5.6	5.6	5.7	5.8	5.9	6.1	6.2	6.2	6.2	5.5
S/A	0.81	0.85	0.9	0.94	1	1.03	1.04	1.02	0.76	0.55	0.43	0.38	0.36	0.36	0.36	0.36	0.39	0.46	0.54	0.61	0.66	0.72	0.75	0.77	0.53
Min	-3	-3.2	-3.6	-4.1	-4.6	-4.5	-4.9	-4.7	-1.7	0.5	2.7	4.8	5.6	5.9	5.8	5.5	4.2	1.2	-1	-2.3	-3.1	-4	-4.1	-2.9	0.7
Max	19.3	19.4	19.5	19.4	19.1	18.5	17.6	17.3	19.1	22.2	24.4	25.9	26.5	26.9	27.1	26.6	25.2	22.1	19.6	18.8	18.8	18.8	18.5	18.2	20.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI Serial Number: 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

December 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	2.6	3.2	2.7	2.4	1.8	1.5	1.4	1.4	2.1	3	3	3.9	4.4	3.8	3.7	3.1	2.1	0.8	0.6	0.6	0.6	0.6	0.2	0.2	2.1
2	0	0	0	0.6	2.7	3.1	2.8	3.6	3.6	4.1	4.2	4.1	4.1	4.1	4.2	4.1	4.1	3.9	3.4	2.3	2.3	2.4	2.5	2.4	2.9
3	2.1	2.3	1.9	2.2	1.5	1.3	1.3	1.2	1.4	2.1	2.4	2.7	2.8	2.9	2.5	2.4	2.8	2.3	1.5	1.4	0.9	0.1	0.3	0.3	1.8
4	0.3	0.1	0	0	0.1	0.2	0	0	0	0.2	0.6	0.9	0.8	0.9	1.1	1.7	1.9	1	0.7	1.1	0.4	0	0	0	0.5
5	0	0	0.1	0	0.1	0.1	0	0	0.1	0.7	1.5	2.2	2.4	2.8	2.9	2.1	1.2	0.8	1	1	1.1	0.9	0.8	1	0.9
6	1.4	1.5	1.8	1.5	1.1	1	1.3	1.7	2.3	3.1	4.4	4.4	5	5	4.5	3.7	2.5	1.3	1.1	0.7	0.7	1.2	1.3	1.3	2.2
7	2	2.1	2.3	2.6	2.4	2.1	2.3	2.3	2.7	4.5	4.7	4.8	3.5	2.9	2.6	1.8	2.4	2.6	1.8	1.4	1.9	1.6	1.5	1.8	2.5
8	1.6	1.4	2	2.2	1.9	1.9	2.8	2.7	3.3	3.3	3.6	3.8	3.9	2.8	2.6	1.7	1.4	0.7	0.7	1.2	2	2.1	2.3	3	2.3
9	2.7	2.9	2.3	1.8	2.8	3.6	4.2	4.1	4.8	5.6	5.9	5.4	4.7	4.7	5.3	4.5	3.3	2.6	1.9	2.2	2.8	2.1	2.8	2.6	3.6
10	2.7	2.6	1.8	0.8	1.4	1.7	1.9	2.9	2.7	2.5	3	3.5	3.6	3.3	3.5	3.2	3	2.4	2	1.7	2.6	2.1	2.5	2.2	2.5
11	1.7	2.4	2.6	2.5	2.4	3.1	4.1	3.7	3.5	3.3	3.6	3.7	3.6	3.5	3.1	2.8	2.6	2.6	2.8	3.1	2.8	2.4	2.7	3.2	3
12	2	1.9	2.4	3.1	3	2.9	2	0.7	0.6	0.6	0.8	1.4	2	1.9	1.6	1.5	1.8	1.7	1.3	0.6	0.5	0.6	0.3	0.3	1.5
13	0.2	0.2	0.1	0.5	0.5	0.5	0.7	1.2	1.7	1.5	1.5	2	2.5	2.1	1.7	1.7	1.9	1.2	1.7	1.7	2.7	1.9	1.4	2.3	1.4
14	2.4	2.1	1.5	1.9	0.6	0.5	0.1	0.2	0.9	1.4	2.2	2.3	3.9	4.4	6.4	4.2	2.4	3.3	2.8	2.8	2.9	3.3	2.7	2.3	2.4
15	3.1	3.1	2.1	1.5	1.7	1	0.9	1.1	3.6	3.7	4.5	4.6	5.3	5.5	4.8	4.5	3.5	2.2	1.9	2	2	1.8	1.9	2	2.8
16	2.3	2	1.7	1.3	1.5	1.7	2	1.6	1.4	2.6	2.3	1.9	1.6	2	2.4	2.8	2.6	1.4	1.4	0.8	0.6	0.2	0.3	0.7	1.6
17	0.1	0.3	0.6	0.3	0.2	0.1	0.1	0.3	0.1	1.2	3.1	3.3	4.3	4.5	3.6	3.5	2.6	3	2.9	2.9	2.9	3.9	3.7	3.7	2.1
18	4.1	4.1	4.3	4.3	5.6	6.3	6.6	6.2	5.4	5.8	5.5	5.4	4.8	4.5	4.3	3.7	2.3	1.4	1.9	1.7	1.9	1.3	0.6	0.9	3.9
19	0.7	1.2	0.4	0.3	0.8	0.5	0.7	0.2	0.1	1.1	2.4	3.6	3.4	2.9	2.8	2.5	2.4	2.1	1.9	2.4	1.5	1	1.3	3.4	1.6
20	3.5	3.5	3.2	3.2	3.5	3	2.6	3	3.1	3.9	4.1	4.4	4.5	4.6	4.6	4.2	3.3	2	1.5	2	1.6	2.2	2.5	2.6	3.2
21	2.3	2.7	2.7	2.8	2.2	2.1	2.2	2.3	2.7	2.5	3	3.2	3.2	3.6	4	3.4	2.3	1.1	0.7	0.8	1	1.1	1.3	0.5	2.2
22	0.2	0.3	0.2	0.3	0.1	0.7	0.5	0.6	1	1.3	2.3	2.9	1.4	1	1.1	0.8	0.1	0	0.1	0.4	0.5	0	0.1	0	0.7
23	0.1	0.3	0.2	0.1	0.3	0.5	0.7	0.6	0.6	1.6	2.2	3.1	3.1	3.4	2.6	2	2.6	2.9	3.9	3.5	3.5	4.1	4.1	3.5	2.1
24	3.6	3.3	3.3	3.6	3.8	3.7	2.8	1.8	0.2	1.4	2.5	2.3	2.8	3	3	4.7	3.6	2	1.3	1.6	1.8	1.3	1.3	0.7	2.5
25	1.5	1.8	1.1	1.3	1.5	1.1	1	1.4	0.9	1.2	1	0.5	0.6	1.2	1.3	0.8	1	1.9	0.9	1	1.1	1.1	2.2	2.3	1.2
26	2	2	1.8	1	1.1	1.5	1.3	2	1.5	2.3	3.1	3.8	4	3.6	3.2	3	2.6	1.6	0.8	0.3	0.2	0.9	0.7	0.6	1.9
27	1.1	1.7	1.7	1.4	2.1	1.9	1.8	1.6	2.1	3.4	4.6	5.2	4.8	5.8	5.7	5.1	3.4	2.5	2.1	1.9	1.8	1.6	1.9	1.8	2.8
28	2.3	2	2	1.7	2.1	2	1.6	1.3	1.8	2.3	2.6	3.8	3.7	4.6	4.8	4.4	3.7	2.1	1.5	0.8	1	2.4	3.1	1	2.4
29	1	0.8	1.8	1.8	1.3	0.5	1.4	1.3	1.2	0.5	0.7	1.7	2	2.9	3.2	2.5	1.2	0.9	0.9	1.6	2.6	3	2.7	3.3	1.7
30	2.6	2.9	3.4	2.4	1.2	0.9	0.6	1.5	2.9	3.2	2.8	2.4	2.9	2.9	2.4	2.2	2.4	1.1	0.4	0.9	0.5	0.7	0.9	0.9	1.9
31	0.6	0.3	0.8	1.3	0.7	0.7	1	1.1	1	1.9	1.9	1.9	2.2	2.7	2.4	2.4	1.3	0.8	0.6	0.2	0	0.3	0.2	0.9	1.1
Avg	1.7	1.8	1.7	1.6	1.7	1.7	1.7	1.7	1.9	2.4	2.9	3.2	3.3	3.3	3.3	2.9	2.4	1.8	1.6	1.5	1.6	1.6	1.6	1.7	2.1
S D	1.2	1.2	1.1	1.1	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.3	1.2	0.9	0.9	0.9	0.9	1	1.1	1.1	1.1	0.8
S/A	0.69	0.67	0.67	0.68	0.74	0.81	0.84	0.79	0.74	0.59	0.47	0.4	0.38	0.37	0.41	0.4	0.37	0.49	0.58	0.58	0.62	0.69	0.7	0.69	0.38
Min	0	0	0	0	0.1	0.1	0	0	0	0.2	0.6	0.5	0.6	0.9	1.1	0.8	0.1	0	0.1	0.2	0	0	0	0	0.5
Max	4.1	4.1	4.3	4.3	5.6	6.3	6.6	6.2	5.4	5.8	5.9	5.4	5.3	5.8	6.4	5.1	4.1	3.9	3.9	3.5	3.5	4.1	4.1	3.7	3.9
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

December 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	82	83	90	105	96	90	81	85	94	106	107	118	119	114	98	120	118	94	98	86	118	111	126	107	103
2	100	170	189	201	234	253	267	256	257	278	276	275	247	245	246	236	250	241	238	257	251	253	244	257	253
3	244	235	243	246	244	247	226	219	219	240	259	307	295	289	281	277	285	304	283	270	261	259	197	212	265
4	219	221	206	236	206	219	186	232	223	241	253	274	307	292	336	354	19	22	43	42	33	56	195	174	346
5	154	50	187	28	57	133	86	100	109	149	122	116	105	83	87	86	80	53	31	39	73	79	91	85	88
6	82	88	80	94	109	118	95	85	91	104	116	118	124	110	126	131	119	110	113	104	83	69	84	56	108
7	75	88	96	85	98	105	102	96	105	122	128	153	155	171	174	206	267	293	309	295	290	295	302	301	132
8	294	283	315	296	299	295	325	312	327	324	338	356	18	41	63	98	61	71	63	62	68	88	81	87	2
9	105	111	120	122	179	209	230	232	246	231	239	233	252	246	242	240	250	267	256	258	251	248	252	239	233
10	236	248	230	209	213	224	236	250	256	260	283	291	282	279	279	282	268	269	261	240	231	282	307	288	264
11	280	301	305	306	240	269	279	281	280	264	280	273	272	275	275	277	254	239	247	256	251	252	256	265	270
12	267	259	277	279	284	281	274	267	251	241	268	273	284	269	272	283	278	269	274	285	273	278	264	253	274
13	178	176	158	355	347	73	88	51	56	83	80	98	86	84	80	76	84	82	80	86	93	118	88	85	83
14	88	93	96	123	161	129	153	61	94	90	133	102	110	90	55	61	98	88	88	98	91	93	108	115	93
15	106	119	126	142	159	172	189	196	237	231	232	235	223	238	210	241	234	248	274	264	249	250	256	252	223
16	249	261	238	219	213	197	219	220	222	266	264	260	283	302	307	296	288	320	314	302	330	329	249	238	265
17	260	228	245	255	233	230	11	118	100	40	54	59	55	47	58	93	73	60	57	57	79	77	78	78	66
18	91	106	123	107	112	133	142	164	189	200	215	180	174	176	191	163	191	162	166	145	165	218	195	224	159
19	232	239	234	173	217	270	286	146	127	15	18	28	30	54	61	64	34	26	11	13	29	58	79	109	40
20	136	136	143	154	140	163	157	161	173	161	168	171	169	184	170	181	172	183	153	139	131	145	146	146	160
21	158	160	154	157	152	152	156	162	147	159	164	167	150	160	178	182	178	161	164	172	211	204	203	183	165
22	185	187	201	200	158	158	170	205	189	221	226	230	250	231	177	207	227	307	338	3	354	7	17	82	217
23	60	56	64	41	45	40	40	53	46	49	63	72	68	57	51	30	57	46	48	46	53	56	55	61	54
24	63	69	72	71	98	154	209	221	186	184	182	156	162	200	172	149	154	156	160	183	182	192	186	145	147
25	152	146	166	162	175	181	175	185	185	208	222	192	217	340	351	320	356	328	268	208	258	240	213	247	213
26	236	245	239	254	240	215	203	226	224	216	216	232	229	214	231	240	256	245	239	232	149	157	152	142	227
27	138	154	164	165	152	157	150	140	146	146	157	133	130	143	145	133	127	130	112	106	113	101	96	103	136
28	118	85	77	91	112	122	111	98	117	108	92	86	87	108	96	93	115	135	130	72	70	91	108	173	102
29	165	96	122	111	124	190	146	154	152	67	82	52	74	58	72	39	76	81	87	183	202	207	206	239	126
30	216	225	235	217	196	215	175	202	220	216	211	221	184	165	147	164	141	166	159	137	109	94	114	140	193
31	140	144	119	106	157	161	149	158	160	190	181	135	126	148	144	151	133	107	72	69	56	44	192	196	147
Avg	138	141	145	141	160	181	190	197	202	197	195	174	158	158	150	163	175	202	104	115	154	135	142	158	167
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	370	371	372	372	372	8925

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.

Prepared by: Afshin M. Andreas, NREL

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

December 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	4.6	5	4.2	3.8	2.9	2.6	2.2	2.3	3.7	4.9	4.7	6	6.7	6	6	4.5	3	1.3	1	1.2	1	0.9	0.4	0.4	3.3
2	0	0	0.1	0.9	4	4.8	4.3	5.8	5.8	6.4	6.5	6.3	6.5	6.2	6.7	6.4	6.2	6.1	5.1	3.7	3.8	3.8	4	3.8	4.5
3	3.3	3.6	3	3.4	2.5	2.2	2.1	2.1	2.9	3.4	3.8	4.2	4.2	4.4	4.1	3.8	4.3	3.6	2.3	2.3	1.6	0.3	0.6	0.9	2.9
4	0.9	0.3	0	0.2	0.3	0.5	0	0.1	0.2	0.6	1.4	1.9	2	1.9	2.3	2.5	2.6	1.6	1.2	1.7	0.9	0.2	0	0	1
5	0	0	0.2	0.1	0.3	0.3	0	0	0.2	1.5	2.4	3.5	4	4.5	4.5	3.5	2.1	1.4	1.5	1.6	1.8	1.8	1.6	2	1.6
6	2.2	2.3	2.8	2.4	1.9	1.8	2.1	2.6	3.8	4.8	6.6	6.9	7.6	7.3	6.9	5.3	3.7	2	1.6	1.2	1.3	2	2.1	1.9	3.5
7	3	3.2	3.3	3.8	3.6	3.1	3.4	3.6	4.4	7	7.3	7.4	5.5	5.1	5.2	3.3	4.1	3.9	2.7	2.1	2.7	2.4	2.1	2.5	3.9
8	2.3	2	2.9	3.2	2.8	2.9	3.9	3.9	5	5.2	5.3	5.7	5.9	4.5	4.5	2.8	2.6	1.5	1.4	2	3.2	3.5	4	5	3.6
9	4.3	4.5	3.6	3	4.9	6.4	6.7	6.3	7.7	8.9	8.9	8.5	7.4	7.3	8.3	7.3	5.5	4.1	3.5	3.8	4.6	3.5	4.7	4.1	5.7
10	4.6	4.4	3	1.6	2.6	2.7	3	4.5	4.5	4.3	5	5.4	5.6	5.3	5.6	5.1	4.8	3.7	3.1	2.9	4.1	3.4	3.8	3.3	4
11	2.7	3.6	4.2	3.9	3.7	5.1	6.1	6	5.5	5.4	6	6	6.1	5.9	5.3	5	4.7	4.4	4.8	5	4.8	4.4	4.8	5.4	4.9
12	4	3.7	4.1	5	4.8	4.3	3.6	1.9	1.4	1.9	2.1	2.8	3.3	3.6	3.3	2.9	3.2	3	2.8	1.5	1.5	1.8	1.1	1.1	2.9
13	0.7	0.8	0.2	1.3	1.3	1.2	1.5	2.2	3.1	2.8	2.9	3.3	3.9	3.5	2.9	2.9	3.3	2	2.8	3.2	4.4	3.2	2.7	3.9	2.5
14	4.1	3.8	2.9	3.1	1.7	1.2	0.5	0.6	2	2.8	3.9	4.3	6.7	7	9.8	6.6	4	5.5	4.7	4.9	4.8	5.6	4.9	3.9	4.1
15	4.7	4.7	3.4	2.9	2.8	2.6	2.6	3	5.8	5.8	7	7.6	8.9	8.9	8.3	7.1	5.6	3.4	3.2	3.3	3.3	2.9	3.1	3.2	4.8
16	3.7	3.6	2.7	2.3	2.6	2.9	3.6	3	3	4.3	3.7	3.2	2.9	3.2	3.6	4.1	4	2.3	2.1	1.3	1	0.4	0.5	1.2	2.7
17	0.4	0.6	0.9	0.7	0.5	0.3	0.4	0.7	0.4	2	4.5	4.6	6.2	6.6	5.8	5.5	4.5	4.6	4.4	4.5	4.7	6.1	5.9	5.8	3.4
18	6.4	6.6	6.5	6.8	8.3	9.8	9.7	10.4	9.9	10.4	10.1	9.4	8.7	7.9	8.3	6.9	4.4	2.6	3	2.7	3	2.3	1.4	1.3	6.5
19	1.2	1.7	0.8	0.5	1.1	0.8	1	0.3	0.2	1.8	3.8	5.2	5.4	4.6	4.5	3.9	3.5	3.4	2.9	3.2	2.4	2	2.2	5	2.5
20	5.5	5.3	4.5	5.2	5	4.9	4.1	5.4	6.4	6.9	7.1	7.4	7.9	8.1	8.3	8	6.1	3.8	2.5	2.9	2.5	3.3	3.9	3.9	5.4
21	3.7	4.2	4.2	4.4	3.4	3.1	3.4	3.8	4.4	4.7	5.5	6	6	6.8	7.3	7	4.9	2.4	1.4	1.7	1.8	2.1	2.7	1.6	4
22	0.9	0.9	0.9	1	0.4	1.4	1.3	1.5	2.6	3	4.4	4.9	3.6	2.7	2.9	2.1	0.5	0.2	0.2	0.9	1	0.1	0.3	0.1	1.6
23	0.3	0.7	0.8	0.3	0.5	1	1.1	1.4	1.7	3.1	4	4.9	4.9	5.3	4.4	3.2	4.2	4.5	5.9	5.5	5.7	6.4	6.7	5.6	3.4
24	5.7	5.2	5.3	6	5.7	6.7	5.2	3.4	0.9	3.2	4.6	4.3	5.3	5.3	5.5	7.1	6	3.7	2.8	2.9	3.3	2.5	2.4	1.2	4.3
25	2	2.4	1.8	2.2	2.5	2.1	2	2.2	2	2.7	2.5	1.4	1.8	2.3	2.5	1.7	1.7	2.9	1.5	1.8	2	2	3.5	3.8	2.2
26	3.3	3.1	2.9	2.1	2.1	2.9	2.6	3.2	3.4	4.4	5	6	6.3	6.1	5.3	4.8	4.3	2.7	1.5	0.8	0.4	1.4	1.2	1.1	3.2
27	1.6	2.4	2.6	2.5	3.1	3.3	2.8	2.3	3.2	5.1	7.3	7.8	8	9.2	8.7	7.5	5	3.6	3	2.8	2.6	3.1	2.9	4.3	4.3
28	3.6	2.9	3	2.6	3.3	3	2.3	2	2.8	3.6	4.2	5.8	5.6	7	7.5	7.1	5.7	3	2.1	1.2	1.7	3.7	5	2	3.8
29	1.7	1.4	2.4	2.5	2	0.9	2	1.9	1.9	1.1	1.5	2.8	3.4	4.7	5	4	2.3	1.5	1.7	3.2	4.6	5.6	5.2	5.3	2.9
30	4.5	5.1	5.4	4.4	2.5	2.1	1.4	2.8	4.8	5.5	5	4.8	5.2	5.2	4.5	4.5	4.1	2.1	1	1.3	0.9	1.1	1.1	1.4	3.4
31	1	0.7	1.3	1.8	1.3	1.7	1.7	1.7	2	3.6	3.4	3.6	3.6	4.4	4.4	3.7	2.1	1.4	1.3	0.7	0	0.6	0.7	2.1	2
Avg	2.8	2.9	2.7	2.7	2.7	2.9	2.8	2.9	3.4	4.2	4.8	5.2	5.5	5.5	5.6	4.8	4	3	2.6	2.5	2.6	2.6	2.8	2.8	3.5
SD	1.8	1.8	1.7	1.7	1.8	2.1	2.1	2.2	2.3	2.2	2.1	1.9	1.9	2	1.8	1.4	1.3	1.3	1.3	1.5	1.7	1.8	1.7	1.2	1.2
S/A	0.65	0.63	0.62	0.64	0.66	0.74	0.74	0.74	0.67	0.52	0.43	0.37	0.34	0.34	0.36	0.37	0.35	0.45	0.53	0.52	0.58	0.66	0.66	0.63	0.35
Min	0	0	0	0.1	0.3	0.3	0	0	0.2	0.6	1.4	1.4	1.8	1.9	2.3	1.7	0.5	0.2	0.2	0.7	0	0.1	0	0	1
Max	6.4	6.6	6.5	6.8	8.3	9.8	9.7	10.4	9.9	10.4	10.1	9.4	8.9	9.2	9.8	8	6.2	6.1	5.9	5.5	5.7	6.4	6.7	5.8	6.5
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

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

Data & Flag	Hour Column	Day Column
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<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

December 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	1016	1016	1016	1016	1017	1017	1018	1018	1018	1019	1019	1018	1017	1017	1016	1016	1017	1017	1017	1018	1018	1018	1018	1018	1017
2	1018	1018	1018	1018	1018	1018	1019	1020	1020	1021	1021	1021	1021	1020	1020	1021	1022	1022	1022	1023	1023	1023	1023	1023	1021
3	1023	1023	1023	1023	1022	1023	1024	1024	1025	1025	1025	1025	1024	1024	1023	1024	1024	1024	1024	1025	1025	1024	1024	1025	1024
4	1025	1025	1025	1025	1025	1025	1025	1026	1027	1027	1027	1027	1027	1026	1026	1026	1026	1026	1026	1026	1026	1026	1027	1027	1026
5	1027	1027	1027	1027	1027	1027	1028	1028	1029	1029	1029	1028	1027	1026	1025	1025	1025	1025	1026	1026	1026	1025	1025	1025	1027
6	1024	1024	1024	1024	1023	1023	1023	1023	1022	1023	1022	1021	1020	1019	1018	1018	1018	1018	1019	1018	1018	1018	1017	1017	1021
7	1016	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1015	1014	1014	1014	1014	1015	1016	1016	1016	1017	1017	1017	1017	1015
8	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1015	1014	1013	1012	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1013
9	1009	1009	1009	1009	1010	1011	1012	1013	1014	1016	1016	1017	1017	1017	1018	1019	1020	1021	1022	1022	1023	1023	1024	1024	1016
10	1024	1024	1024	1024	1024	1024	1024	1025	1024	1025	1025	1024	1024	1023	1022	1022	1022	1022	1022	1022	1022	1021	1020	1020	1023
11	1019	1018	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1020	1020	1021	1022	1023	1023	1024	1024	1024	1025	1020
12	1025	1024	1025	1025	1025	1025	1025	1026	1026	1026	1026	1026	1026	1025	1024	1024	1024	1023	1023	1023	1023	1023	1023	1022	1024
13	1022	1022	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1018	1017	1017	1016	1016	1016	1016	1016	1016	1016	1015	1015	1018
14	1014	1014	1014	1014	1014	1015	1015	1015	1016	1016	1016	1015	1014	1013	1012	1009	1009	1010	1011	1011	1011	1011	1012	1012	1013
15	1012	1013	1013	1014	1014	1015	1016	1017	1019	1020	1021	1022	1022	1022	1023	1023	1024	1024	1025	1026	1027	1028	1028	1027	1021
16	1028	1027	1027	1027	1027	1028	1030	1030	1030	1030	1029	1029	1028	1027	1027	1027	1027	1027	1027	1027	1026	1025	1025	1025	1027
17	1024	1023	1022	1021	1021	1020	1020	1020	1019	1019	1018	1016	1014	1013	1011	1011	1010	1008	1008	1006	1006	1004	1003	1001	1014
18	999	998	996	995	994	993	994	995	997	999	1000	1001	1001	1001	1002	1004	1004	1006	1007	1008	1009	1009	1010	1010	1001
19	1011	1011	1011	1012	1012	1012	1013	1013	1014	1015	1014	1013	1012	1011	1011	1010	1010	1009	1008	1008	1007	1007	1006	1006	1011
20	1006	1006	1006	1006	1007	1008	1009	1010	1011	1012	1012	1012	1012	1012	1013	1013	1014	1015	1016	1017	1017	1017	1017	1017	1012
21	1017	1018	1018	1018	1018	1018	1018	1019	1020	1020	1020	1020	1019	1019	1019	1020	1021	1021	1022	1023	1024	1024	1025	1025	1020
22	1025	1026	1026	1026	1026	1027	1028	1028	1029	1030	1029	1029	1028	1027	1027	1027	1027	1027	1026	1026	1026	1026	1026	1026	1027
23	1025	1025	1025	1024	1024	1023	1023	1023	1023	1023	1022	1021	1019	1018	1017	1017	1016	1014	1014	1014	1013	1012	1012	1010	1019
24	1009	1008	1007	1006	1005	1005	1007	1007	1007	1008	1008	1007	1006	1006	1006	1007	1007	1009	1010	1011	1012	1012	1012	1012	1008
25	1012	1013	1013	1014	1014	1015	1015	1016	1017	1017	1017	1016	1015	1015	1014	1013	1013	1013	1013	1013	1013	1012	1011	1010	1014
26	1010	1009	1009	1008	1007	1007	1007	1007	1007	1007	1006	1005	1004	1004	1004	1004	1004	1004	1005	1005	1006	1006	1006	1006	1006
27	1007	1007	1007	1007	1007	1008	1009	1009	1010	1010	1009	1008	1007	1006	1006	1007	1007	1007	1008	1009	1009	1009	1009	1010	1008
28	1010	1010	1010	1009	1008	1009	1009	1009	1010	1010	1009	1008	1006	1005	1005	1004	1004	1005	1005	1006	1006	1006	1006	1007	1007
29	1007	1007	1008	1008	1008	1008	1008	1009	1010	1010	1010	1008	1007	1006	1005	1005	1005	1006	1006	1007	1008	1009	1010	1011	1008
30	1012	1013	1014	1014	1015	1015	1016	1017	1018	1018	1018	1017	1017	1016	1016	1016	1017	1017	1018	1018	1018	1019	1018	1018	1017
31	1018	1018	1018	1019	1018	1018	1019	1019	1020	1020	1020	1019	1018	1017	1016	1016	1017	1017	1017	1017	1017	1016	1016	1016	1018
Avg	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1017	1017	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1017
SD	7	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
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	999	998	996	995	994	993	994	995	997	999	1000	1001	1001	1001	1002	1004	1004	1004	1005	1005	1006	1004	1003	1001	
Max	1028	1027	1027	1027	1027	1028	1030	1030	1030	1030	1029	1029	1028	1027	1027	1027	1027	1027	1027	1027	1027	1028	1028	1027	
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