

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

August 2003

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	150	273	405	292	717	770	761	751	558	311 ?	306	152	21	5	0	0	0	0	5506
2	0	0	0	0	0	8	60	352	558	496	532	874	794	863	733	620	355	142	22	1	0	0	0	0	6410
3	0	0	0	0	0	31	166	379	515	499	119 ?	379	111 ?	172 ?	359	221	310	146	38	4	0	0	0	0	3449
4	0	0	0	0	0	11	146	203	348	538	363	572	516	359	696	522	182	52	27	?	0	0	0	0	4535
5	0	0	0	0	0	10	22 ?	103	259	461	683	740	648	691	768	539	399	206	37	0	0	0	0	0	5566
6	0	0	0	0	0	12	34 ?	198	175	183	401	83 ?	269	786	556	155	358	69	38	0	0	0	0	0	3317
7	0	0	0	0	0	0	28 ?	92	92	180 ?	394	475	455	439	433	373	316	55	17	0	0	0	0	0	3351
8	0	0	0	0	0	15	115	153	188	186	423	413	262	327	284	362	257	193	36	0	0	0	0	0	3213
9	0	0	0	0	0	10	28 ?	78	193	239	257	486	351	269	247	330	261	124	22	0	0	0	0	0	2894
10	0	0	0	0	0	17	106	110	199	186	260	233	338	529	599	256	263	99	25	0	0	0	0	0	3221
11	0	0	0	0	0	10	77	66 ?	63 ?	468	563	573	703	777	504	369	300	162	50	0	0	0	0	0	4685 ?
12	0	0	0	0	0	11	68	218	350	456	751	705	715	607	508	268	275	121	33	0	0	0	0	0	5087
13	0	0	0	0	0	20	145	164	421	600	858	740	738	692	634	285	193	109	23	0	0	0	0	0	5622
14	0	0	0	0	0	24	99	327	513	508	602	250	73 ?	177	701	557	361	167	31	0	0	0	0	0	4388
15	0	0	0	0	0	16	109	284	434	611	577	609	819	758	626	555	210	84	30	0	0	0	0	0	5719
16	0	0	0	0	0	17	106	250	405	543	732	711	228	346	498	558	304	156	25	0	0	0	0	0	4880
17	0	0	0	0	0	14	76	147	273	355	318	644	535	364	258	299	80 ?	30 ?	2	0	0	0	0	0	3396
18	0	0	0	0	0	12	72	304	494	663	773	874	706	494	647	232	349	142	17	0	0	0	0	0	5778
19	0	0	0	0	0	17	109	278	393	666	746	952	687	807	531	269	248	111	29	0	0	0	0	0	5843
20	0	0	0	0	0	18	94	277	495	695	718	793	816	812	724	464	353	159	31	0	0	0	0	0	6449
21	0	0	0	0	0	19	120	296	412	672	673	851	836	817	673	461	343	159	34	0	0	0	0	0	6366
22	0	0	0	0	0	9	71	271	460	616	712	540	740	798	650	495	309	132	21	0	0	0	0	0	5823
23	0	0	0	0	0	18	110	238	310	440	607	382	695	733	645	494	317	136	25	0	0	0	0	0	5151
24	0	0	0	0	0	19	80	158	430	689	814	887	894	834	712	546	350	147	25	0	0	0	0	0	6586
25	0	0	0	0	0	18	114	293	478	657	792	850	875	808	673	513	319	132	22	0	0	0	0	0	6543
26	0	0	0	0	0	14	105	280	460	626	755	817	827	761	647	445	289	111	18	0	0	0	0	0	6156
27	0	0	0	0	0	8	94	270	455	613	737	798	795	758	640	440	286	113	16	0	0	0	0	0	6024
28	0	0	0	0	0	7	87	207	375	591	723	793	834	705	640	465	288	79	20	0	0	0	0	0	5815
29	0	0	0	0	0	6	65	274	458	627	761	820	854	679	606	496	307	124	14	0	0	0	0	0	6093
30	0	0	0	0	0	14	109	295	494	659	792	833	837	810	667	462	317	126	17	0	0	0	0	0	6432
31	0	0	0	0	0	11	85	203	410	507	549	384	596	258	517	283	80	37	8	0	0	0	0	0	3927
Avg	0	0	0	0	0	15	92	227	371	501	603	640	623	612	578	408	287	122	25	0	0	0	0	0	5104
S D	0	0	0	0	0	7	36	83	131	167	195	226	242	222	139	124	74	43	10	1	0	0	0	0	1204
S/A	0	0	0	0	0	0.47	0.39	0.37	0.35	0.33	0.32	0.35	0.39	0.36	0.24	0.3	0.26	0.35	0.39	3.49	0	0	0	0	0.24
Min	0	0	0	0	0	0	22	66	63	180	119	83	73	172	247	155	80	30	2	0	0	0	0	0	2894
Max	0	0	0	0	0	34	166	379	558	695	858	952	894	863	768	620	399	206	50	5	0	0	0	0	6586
n	0	0	0	0	0	233	358	362	361	368	366	362	357	368	372	368	366	366	305	4	0	0	0	0	4916

Daylight Data Recovery: 0.0% missing; 1.8% exceed the 15% QC threshold -- 5007 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.

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 2003

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	66	158	235	352	41	392	428	451	448	326	124	101	72	0	0	0	0	0	0	3195
2	0	0	0	0	0	2	2	409	571	287	266	686	475	708	640	664	390	198	1	0	0	0	0	0	5300
3	0	0	0	0	0	140	489	584	533	349	0	11	0	2	26	7	142	77	62	0	0	0	0	0	2423
4	0	0	0	0	0	3	296	115	204	224	7	130	124	19	335	282	8	0	1	0	0	0	0	0	1747
5	0	0	0	0	0	0	0	1	25	106	337	296	180	285	551	460	565	438	104	0	0	0	0	0	3347
6	0	0	0	0	0	3	1	36	20	11	100	0	28	277	239	1	307	19	16	0	0	0	0	0	1056
7	0	0	0	0	0	0	0	1	0	1	10	18	26	39	55	81	232	5	1	0	0	0	0	0	471
8	0	0	0	0	0	7	24	2	1	1	52	56	2	7	1	81	135	238	0	0	0	0	0	0	607
9	0	0	0	0	0	0	0	0	1	4	0	36	2	2	2	39	39	50	0	0	0	0	0	0	176
10	0	0	0	0	0	35	1	2	1	1	0	1	70	253	15	94	26	1	0	0	0	0	0	0	498
11	0	0	0	0	0	0	1	0	0	109	125	84	163	401	199	109	122	138	48	0	0	0	0	0	1499
12	0	0	0	0	0	6	34	59	83	171	452	277	299	280	240	4	37	11	13	0	0	0	0	0	1965
13	0	0	0	0	0	25	274	80	215	357	595	398	389	342	398	127	28	40	0	0	0	0	0	0	3268
14	0	0	0	0	0	12	44	429	552	264	311	32	0	7	558	610	513	329	74	0	0	0	0	0	3735
15	0	0	0	0	0	13	142	256	284	309	212	216	387	376	285	271	74	3	11	0	0	0	0	0	2838
16	0	0	0	0	0	17	106	163	155	243	417	285	2	17	94	464	240	227	16	0	0	0	0	0	2447
17	0	0	0	0	0	0	8	1	13	17	11	183	60	8	2	60	1	1	0	0	0	0	0	0	366
18	0	0	0	0	0	0	2	309	482	501	506	518	354	188	373	60	363	121	2	0	0	0	0	0	3781
19	0	0	0	0	0	17	142	217	215	441	395	587	242	480	224	8	101	21	13	0	0	0	0	0	3102
20	0	0	0	0	0	18	49	197	418	612	532	521	545	636	651	408	455	325	88	0	0	0	0	0	5455
21	0	0	0	0	0	40	287	494	374	553	459	578	638	684	583	418	463	302	66	0	0	0	0	0	5937
22	0	0	0	0	0	1	38	273	368	375	373	155	311	448	399	352	286	165	33	0	0	0	0	0	3578
23	0	0	0	0	0	14	72	73	64	102	170	47	284	338	370	369	309	155	18	0	0	0	0	0	2385
24	0	0	0	0	0	72	179	158	511	749	779	810	810	792	766	709	618	446	185	0	0	0	0	0	7584
25	0	0	0	0	0	72	323	490	562	651	708	706	728	700	636	580	463	279	69	0	0	0	0	0	6967
26	0	0	0	0	0	20	182	398	493	578	624	622	601	564	533	347	308	177	37	0	0	0	0	0	5485
27	0	0	0	0	0	6	171	376	491	519	585	592	574	530	499	400	364	208	40	0	0	0	0	0	5353
28	0	0	0	0	0	1	75	153	281	433	479	511	504	361	398	350	242	6	12	0	0	0	0	0	3806
29	0	0	0	0	0	1	96	398	528	612	671	638	659	500	544	585	522	400	81	0	0	0	0	0	6235
30	0	0	0	0	0	36	353	573	704	759	799	755	740	793	701	583	562	447	102	0	0	0	0	0	7909
31	0	0	0	0	0	0	105	163	364	275	226	83	242	32	233	54	13	0	0	0	0	0	0	0	1791
Avg	0	0	0	0	0	19	119	214	286	311	342	331	317	333	359	278	261	159	35	0	0	0	0	0	3365
S D	0	0	0	0	0	31	127	187	222	240	252	268	260	265	224	230	193	150	44	0	0	0	0	0	2204
S/A	0	0	0	0	0	1.61	1.07	0.87	0.78	0.77	0.74	0.81	0.82	0.79	0.62	0.83	0.74	0.94	1.24	5.57	0	0	0	0	0.65
Min	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	1	1	0	0	0	0	0	0	0	176
Max	0	0	0	0	0	140	489	584	704	759	799	810	810	793	766	709	618	447	185	0	0	0	0	0	7909
n	0	0	0	0	0	233	372	372	372	372	371	371	372	372	372	371	372	372	305	5	0	0	0	0	5004

Daylight Data Recovery: 0.0% missing; 0.1% exceed the 15% QC threshold -- 5007 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 $\mu\text{V}/\text{W}/\text{m}^2$ 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 2003

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	30	111	147	174	214	293	285	258	274	258	143	241	121	21	5	0	0	0	0	2575
2	0	0	0	0	0	9	56	150	162	223	236	154	268	156	158	140	136	72	22	1	0	0	0	0	1943
3	0	0	0	0	0	18	45	99	149	187	96 ?	351	90	135	322	216	223	119	30	4	0	0	0	0	2085
4	0	0	0	0	0	10	69	144	191	328	346	410	363	332	379	302	172	52	27	?	0	0	0	0	3124
5	0	0	0	0	0	9	18	102	232	347	332	412	432	377	281	208	113	72	23	0	0	0	0	0	2959
6	0	0	0	0	0	11	28	178	148	161	292	75 ?	235	474	332	157	203	62	37	0	0	0	0	0	2390
7	0	0	0	0	0	0	27	94	84	147	384	453	422	396	378	308	194	54	17	0	0	0	0	0	2958
8	0	0	0	0	0	16	111	154	190	189	367	343	261	324	288	306	184	116	36	0	0	0	0	0	2885
9	0	0	0	0	0	11	26	79	198	237	263	446	352	268	248	300	233	104	22	0	0	0	0	0	2786
10	0	0	0	0	0	18	99	110	198	187	264	238	342	450	358	246	218	93	27	0	0	0	0	0	2848
11	0	0	0	0	0	11	77	66 ?	56 ?	350	425	479	507	378	325	288	237	118	47	0	0	0	0	0	3363
12	0	0	0	0	0	11	62	189	289	305	326	411	401	332	291	268	253	117	31	0	0	0	0	0	3286
13	0	0	0	0	0	20	86	126	271	302	301	328	334	342	280	189	176	101	24	0	0	0	0	0	2878
14	0	0	0	0	0	25	80	125	159	275	303	197	56 ?	169	227	151	120	81	28	0	0	0	0	0	1995
15	0	0	0	0	0	17	84	168	257	353	377	393	432	400	370	361	161	81	29	0	0	0	0	0	3482
16	0	0	0	0	0	17	81	175	283	310	312	391	216	308	384	239	183	93	24	0	0	0	0	0	3017
17	0	0	0	0	0	14	72	140	248	323	291	425	427	336	251	249	71 ?	25	2	0	0	0	0	0	2874
18	0	0	0	0	0	12	74	163	195	253	300	361	349	312	336	191	176	107	17	0	0	0	0	0	2846
19	0	0	0	0	0	18	79	185	252	309	367	380	425	343	321	261	190	104	28	0	0	0	0	0	3262
20	0	0	0	0	0	19	83	182	223	211	237	279	263	216	192	190	134	77	24	0	0	0	0	0	2329
21	0	0	0	0	0	17	65	104	176	226	249	291	215	183	191	185	129	86	30	0	0	0	0	0	2146
22	0	0	0	0	0	11	61	160	241	322	370	388	431	382	323	266	180	95	19	0	0	0	0	0	3249
23	0	0	0	0	0	18	97	210	271	357	442	337	400	411	340	253	177	100	24	0	0	0	0	0	3436
24	0	0	0	0	0	14	56	91	110	113	120	112	113	110	98	92	76	47	15	0	0	0	0	0	1167
25	0	0	0	0	0	16	57	101	143	158	163	173	176	172	169	148	117	71	18	0	0	0	0	0	1682
26	0	0	0	0	0	15	71	127	174	193	208	230	254	251	228	229	159	75	16	0	0	0	0	0	2230
27	0	0	0	0	0	10	62	126	170	206	220	237	246	277	250	194	134	71	15	0	0	0	0	0	2219
28	0	0	0	0	0	7	75	143	208	257	294	304	350	377	328	250	189	79	20	0	0	0	0	0	2881
29	0	0	0	0	0	6	47	117	145	156	167	214	223	222	177	137	91	46	10	0	0	0	0	0	1757
30	0	0	0	0	0	14	46	74	78	81	87	115	130	98	117	102	83	38	11	0	0	0	0	0	1072
31	0	0	0	0	0	11	60	146	191	290	345	300	355	228	328	244	64	37	8	0	0	0	0	0	2607
Avg	0	0	0	0	0	14	67	135	189	244	283	307	301	291	275	220	162	81	23	0	0	0	0	0	2591
S D	0	0	0	0	0	6	23	37	60	77	90	109	115	102	79	66	53	27	9	1	0	0	0	0	637
S/A	0	0	0	0	0	0.41	0.35	0.28	0.32	0.31	0.32	0.36	0.38	0.35	0.29	0.3	0.33	0.33	0.41	3.56	0	0	0	0	0.25
Min	0	0	0	0	0	0	18	66	56	81	87	75	56	98	98	92	64	25	2	0	0	0	0	0	1072
Max	0	0	0	0	0	30	111	210	289	357	442	479	507	474	384	361	253	121	47	5	0	0	0	0	3482
n	0	0	0	0	0	217	366	362	366	372	368	364	368	371	372	370	369	370	303	4	0	0	0	0	4942

Daylight Data Recovery: 0.0% missing; 1.3% exceed the 15% QC threshold -- 5007 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 2003

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	25.1	24.9	25	24.9	24.9	25	25.7	26.5	27.2	26.5	27.8	29	30.1	30.7	30.9	29	27.8	27.8	27.5	27.1	26.8	26.4	26	25.5	27
2	25.3	25.1	24.7	24.4	24.4	24.5	24.9	26.2	27.5	28	27.7	28.8	29.8	29.9	30.2	30.3	29.9	29.1	28.1	27.3	26.8	26.4	26	25.8	27.1
3	25.6	25.4	25.1	24.8	24.6	24.5	25.5	26.8	27.7	28.2	25.4	24.8	24.6	23.8	25.8	26.3	27.2	27	26.5	25.6	25.2	25	24.9	24.8	25.6
4	24.5	24.3	24	23.9	23.9	24.1	24.7	25.5	25.8	27.1	27.4	28	27.8	27.3	28.1	28.2	27.3	26.5	25.6	25.2	24.8	24.5	24.4	24.4	25.7
5	24.5	24.5	24.3	24.2	24.1	24	23.5	22.8	23.3	24.1	25.6	26.4	26.8	27.5	28.5	28.9	29.3	29.2	27.9	26.5	26.3	25.7	25.4	25.4	25.8
6	23.4	22.2	22.3	22.5	22.7	23	23.7	25.1	26.1	25.2	25.8	23.5	23.5	25.3	26.7	26.5	27.4	27.1	26.1	25.6	25.5	25.6	25.3	25	24.8
7	24.8	24.7	24.4	24.1	23.9	23.3	22.4	23	23.4	23.2	24.4	25.4	26.2	26.8	27.1	27.1	27.2	26.6	26	25.5	25.3	24.2	23.8	23.9	24.9
8	24.2	23.7	23.4	23	22.9	22.9	23.4	24.4	25.2	25.5	26.2	27.2	26.1	25.8	26.9	27.2	27.4	27.1	26.5	25.8	25.4	25.2	25.1	25	25.2
9	25	24.9	24.8	24.7	24.7	24.8	24.8	24	24.2	24.4	24.6	25	25.4	25.7	25.9	26.7	26.6	26.5	25.8	25.1	24.8	24.6	24.6	24.4	25.1
10	24.4	24.6	24.6	24.5	24.3	24.1	24.7	25.1	25.5	25.1	24.4	23.8	24.2	24.9	26.1	26	26	25.4	24.2	23.9	23.7	23.7	24	24.1	24.6
11	24	23.9	23.9	23.9	23.7	23.8	24.1	22.6	21.6	22.7	24.9	26.7	27.7	28.7	29.1	28.5	27.9	27.9	27.2	26.6	25.8	25.1	24.8	24.5	25.4
12	24.2	23.8	23.6	23.3	23	22.8	23.2	24.1	25.4	26.4	27.9	28.8	29.5	29.1	28.9	27.5	27.9	27	26.5	25.9	25.3	24.9	24.6	24.3	25.8
13	24.1	23.9	23.7	23.7	23.8	23.7	24.5	25.5	26.6	27.7	28.9	29.2	29.4	29.7	30	28.7	27.8	27.6	26.8	26.1	25.7	25.7	25.4	25	26.4
14	24.6	24.3	24.3	24.2	24	23.8	24	25.7	27.7	29.4	29.9	29.3	24.2	24.3	27.1	29.2	29.8	29.3	27.9	26.3	25.5	25	24.6	24.2	26.2
15	24	23.8	23.7	23.2	22.9	22.6	23.2	25.5	27.6	29.4	30.4	30.9	31.5	31.7	31.8	32	30.4	28.3	28	27.2	26.6	26.2	26	26.1	27.2
16	25.4	25.2	24.7	24.5	24	23.8	24.3	25.7	27.2	28.3	29.3	30.3	29.1	28.7	26.6	26.7	26.8	26.2	25	24.5	24.2	24.1	24.2	24.5	26
17	24.3	23.9	23.6	23.4	23.2	23	23.3	23.9	24.6	25.6	25.9	26.9	28	28.3	28.4	28.6	24.8	21.8	21.4	21.6	21.6	21.2	20.9	20.5	24.1
18	20.3	20.2	20.4	20.7	20.4	20.2	20.3	22.1	25.4	26.6	27.8	28.5	28.8	28.6	28.6	24.6	25.6	25.8	24.9	24.2	23.9	24	23.8	23.7	24.2
19	23.6	23.5	23.6	23.2	22.8	22.9	23.5	24.7	25.7	27	27.4	27.6	27.8	27.8	27.6	26.7	26.4	25.7	24.9	24.2	24	24.1	23.9	23.4	25.1
20	22.9	22.6	22.9	23	22.7	22.8	23.2	24.5	25.8	27.1	28	28.3	28.8	29.1	29.4	28.6	27.9	27.1	26.4	25.5	25	24.5	24.2	23.8	25.6
21	23.2	22.9	22.9	22.4	22.3	22.1	22.9	25.2	26.6	27.7	28.6	29.3	30.2	30.9	31.1	30.3	29.2	28.6	27.7	26.9	26.3	25.6	25.4	25.2	26.4
22	24.9	24.6	24.3	23.9	23.7	23.9	24.2	25.5	27.2	28.7	29.8	30.5	31	31.5	31.7	31.7	31.3	30.6	29.2	27.9	27	26.4	25.5	25.1	27.5
23	24.7	24.7	24.2	23.8	23.4	23.1	23.3	24.5	25.6	27.1	28.6	26.8	27.1	28.7	29.1	28.8	27.8	27.3	26.1	25.1	24.5	24.2	23.3	22.4	25.6
24	21.7	20.9	20	19.2	19	18.7	19.7	21	22.5	24.8	25.6	26.4	26.9	27.1	27.8	26.8	25.6	24.6	23.2	21.6	20.9	20.8	20.1	20	22.7
25	20.1	18.8	18.9	18.9	18.6	18.3	19.2	21.7	24.1	25.4	26.5	27.2	28.3	28.9	29.2	29.4	29.3	28.6	27.2	25.8	25.2	25.1	24.5	24.2	24.3
26	24.1	23.8	23.3	22.8	22.5	22.4	22.7	24	25.7	28.3	29.6	30.7	31.6	32	32.3	32	31.9	31.3	29.9	28.5	27.7	27.1	26.6	26.1	27.4
27	25.6	25.3	25	24.9	24.9	24.6	24.7	25.9	27.7	29.3	31.2	32.4	34.3	34.3	34	33.9	33.6	32.9	31.3	29.4	28.4	27.8	27.8	27.6	29
28	26.8	26.5	26.1	25.7	25.1	24.8	25.2	26.1	27.3	28.6	30.5	32	33	33.3	33.5	33.7	33.6	32.3	31	29.2	28.7	28.1	27.5	26.8	29
29	26.1	25.6	25.2	24.9	24.6	24.3	24.4	25.6	27.4	29.1	30.3	31.5	32	32.6	32.8	32.9	32.5	31.8	30.2	28.8	28.3	27.7	27.1	26.5	28.4
30	26	25.5	25.2	25.1	25	24.8	25	26.1	27.7	29.2	30.3	31.2	32.2	32.5	32.9	32.8	32.7	31.9	30.4	29.1	28.2	27.4	26.7	26.2	28.5
31	26	25.6	25.3	24.7	24.3	24.3	24.6	25.6	27.1	29	29.5	29.7	29.4	28.5	28.3	27.8	26.6	26	25.6	22.4	22.5	22.8	22.7	22.6	25.9
Avg	24.3	24	23.8	23.6	23.4	23.3	23.6	24.7	25.9	26.9	27.7	28.3	28.6	28.8	29.2	28.9	28.6	27.9	26.9	26	25.5	25.1	24.8	24.5	26
S D	1.5	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.7	1.9	2.1	2.4	2.7	2.7	2.4	2.4	2.4	2.5	2.2	2	1.9	1.7	1.7	1.6	1.5
S/A	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0.07	0.08	0.1	0.09	0.08	0.08	0.08	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.06
Min	20.1	18.8	18.9	18.9	18.6	18.3	19.2	21	21.6	22.7	24.4	23.5	23.5	23.8	25.8	24.6	24.8	21.8	21.4	21.6	20.9	20.8	20.1	20	22.7
Max	26.8	26.5	26.1	25.7	25.1	25	25.7	26.8	27.7	29.4	31.2	32.4	34.3	34.3	34	33.9	33.6	32.9	31.3	29.4	28.7	28.1	27.8	27.6	29
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 2003

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	100.8	102	102.6	102.7	102.9	103.3	101.2	96	89.1	92.9	88.3	82.1	79.1	75.3	76.4	85.9	90.5	87.6	91.6	95.5	94.9	95.6	95.9	98.5	92.9
2	99.8	101	102.6	103.1	103.4	103.1	102.4	96.7	89.6	86.5	89.2	83.3	78.6	76.7	76	75.5	78	82.1	88.8	93.6	95.7	95.7	98.4	99.4	91.6
3	100.6	101.6	101.8	102.5	103.8	104.5	101.3	94.1	89.4	85.2	96.5	101.6	99.4	102.7	100.8	98.2	94.1	92.7	93.8	97.7	100	101.1	101.8	101.4	98.6
4	102	102.4	103.1	103.7	104.1	103.5	102	98.9	97.6	91.9	90.4	88.2	89.9	91.5	87.5	86.9	90	92.6	97.9	100.1	100.3	101.7	101.6	100.9	97
5	101.1	101.1	102.1	102.7	103.2	103.9	104.5	104.1	101.5	95	86.9	84.3	82.5	82.4	81.1	79.1	74.6	74.4	84.3	91.3	94	96.8	97.9	97.3	92.8
6	96.2	100	98.8	99.7	100.2	101.2	102.3	102.1	99.3	101.6	100.8	102.4	103.9	99.5	94.2	94.4	94.1	94.7	96.1	96.8	100	100.6	102	102.9	99.3
7	103.2	102.2	102.4	101	102	102.8	104.9 ?	104.4 ?	104.6	105 ?	102.7	98	95.1	93.5	91.3	93.1	92.2	94.7	97.3	99.1	99.6	98.7	100.6	101.8	99.6
8	102.1	103.9	104.7	?	?	?	104.9 ?	103.7	100.6	99.4	97.6	93	96.9	98.3	89.8	89.4	90.2	91.5	93.7	96.6	98.6	100.8	101.3	101.8	98 ?
9	102.1	102.8	102.9	102.9	103.4	104.3	102.3	101.8	103.3	102.5	101.8	99.3	96.9	97.6	97.1	91.3	91.6	94	97.4	99	100.4	99.9	99.3	100.4	99.8
10	101.2	100	99.1	99.6	100.8	102.4	100.7	100.2	99.4	98.8	100.1	101.1	101.2	98.5	91.9	91.3	90.7	94.3	100.3	101	102.7	102.7	101.7	102.6	99.3
11	103.1	103	102.7	103.4	104.3	102.9	103.3	104	104.8 ?	103.2 ?	99.4	94.6	90.2	83.8	82.1	87.7	91.5	92.7	96.8	98.5	99.7	102.8	103	102.4	98.3
12	102.1	102.4	103.8	104.9 ?	?	?	?	104.6 ?	101.5	97.9	88.9	87.7	80.5	86.7	83.6	92.5	93.8	97.2	97.8	98.5	99.8	101.4	101.9	103.2	96.7 ?
13	104.4	104.9 ?	?	?	?	?	104.6 ?	102.6	98.2	91.5	85.4	82.1	84	82.8	80.9	85.8	87.4	89.3	95.3	98.3	100.6	100.6	100.2	101.2	94 ?
14	102.8	103.6	104.2	104.8	105 ?	?	104.4 ?	99.2	92.7	84.6	82.6	85	103.5	104.9 ?	96.5	85.8	80.9	86.2	92	98.3	100.1	101.6	103.3	104.5	96.8 ?
15	104.7	105 ?	104.3	104.4	?	?	?	100.5	94.7	87.1	80	76.3	73.6	72.8	73.2	72.1	83.4	90.8	92.7	96.7	99.3	100.4	101.6	100.1	91.1 ?
16	101.5	100.5	102.4	101.8	102.3	103.2	102.8	99.1	94.4	90.2	85.5	81	81.4	88.6	89.4	84	84.1	87.9	93.6	95.5	96.6	99	100.9	101	94.4
17	101	101.4	101.9	101.7	102.7	103.6	103.7	101.6	99.4	97.2	96	93	88.7	88.9	89.7	88	92.7	99.5	102.5	104.1	104.8 ?	?	?	?	98.2 ?
18	?	?	104.2	103.6	104.8	?	?	101.8 ?	92.6	89	82.5	77.7	76.2	77.9	77.8	82.4	90.4	94	97.2	99.3	101.6	101.8	102.2	102.8	93 ?
19	103.2	103.8	103.3	103.8	104.7	104.5	103.1	100.6	94.7	86.5	82.6	81.6	80.8	78	78.7	82.5	82.6	86.8	92.7	96.8	98	97.9	99.5	101.5	93.7
20	102.8	104.1	104.8 ?	?	?	?	104.7 ?	102.2	96.1	87.7	81.2	79	75.8	73.3	73	78.7	83.6	85.7	90.5	94.3	94.3	97	98.7	100.3	90.8 ?
21	102.6	104	103.6	104.6	105 ?	?	104.5 ?	99.9	92.9	84.9	80.1	75.9	66.9	63.6	63.2	71.8	81.1	85.1	91.9	93	94.3	97	97.3	98.7	89.6
22	100.9	102.2	103.3	104.3	105 ?	105 ?	104.6	100.4	94.5	87.4	83.3	82.1	77	74.3	73.1	73.2	75.9	78.8	84.7	90.1	94.6	96.9	100	100.7	91.3
23	100.7	98.3	99.1	100.6	102.2	102.9	102.4	99	96.7	92	87.5	83.6	65.8	54.5	55.8	62.5	65.5	68.6	75.3	83.5	87.6	89.8	93	95.9	85.9
24	98.1	100.4	103.1	104.7 ?	?	?	100.1	92.9	88	73.9	64.9	57.2	54.1	52	50.3	54.8	60.8	63.9	68.6	76.4	79.2	79.2	84.1	84.7	76.9
25	84.3	90.5	90.8	93.1	94.7	96.8	94.4	89	81.7	76.1	75	72.3	67.2	63.4	64.5	63.8	63.4	67.9	74.6	82.6	85.5	89.6	96.1	98.7	81.5
26	98.7	98.6	100.6	102.8	104.5	105 ?	104.7 ?	100.6	94.6	85.5	80.6	72	68.2	67.1	64.9	69.4	72.2	75.2	82	88.8	92	95	96.6	97.8	88.2
27	98.8	98.5	99	98	96.9	97.8	98.3	95.6	88.7	83.1	75.8	73.6	66.6	66.1	70.4	70.9	70.6	75.2	81.7	87.8	90.1	94.1	96.9	97	86.3
28	99	99.7	100.3	101.1	102.3	103.6	103.2	100.9	97.3	93.1	86.4	79.2	72.9	74.1	70.8	68.2	69.3	75	82.4	92.3	92.7	96.1	94.1	93.5	89.5
29	94.4	96.3	97.7	98.9	100.9	102.9	103.1	99	93.5	87.5	82.2	77	73	69.3	67	66.7	68.1	71.7	79.5	87.7	89.2	87.6	87.2	92	86.3
30	95.4	97.7	99.1	100.2	99.8	99.9	100	97.5	91.6	84.4	79.1	73.5	69.5	64.3	63.2	62.7	64.8	67.9	75.1	79.8	88.7	92.6	95.3	97.3	85
31	97.4	98.6	99.3	101.4	102.9	103.1	102.5	99.9	94	85	82.2	82.3	84.7	88.9	90.2	91.9	95.8	97.9	99.6	102.6	?	?	105 ?	?	95.5 ?
Avg	100.2	101	101.6	102	102.5	102.7	102.5	99.8	95.4	90.5	86.9	83.9	81.4	80.4	78.9	80	82.1	85	89.9	94.1	95.8	97	98.6	99.3	92.7
SD	3.9	3	2.9	2.6	2.5	2.1	2.3	3.5	5.3	7.6	8.9	10.3	12.7	14.2	12.8	11.4	10.7	10.3	8.8	6.7	5.8	5.3	4.6	4	5.7
S/A	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.04	0.06	0.08	0.1	0.12	0.16	0.18	0.16	0.14	0.13	0.12	0.1	0.07	0.06	0.05	0.05	0.04	0.06
Min	84.3	90.5	90.8	93.1	94.7	96.8	94.4	89	81.7	73.9	64.9	57.2	54.1	52	50.3	54.8	60.8	63.9	68.6	76.4	79.2	79.2	84.1	84.7	76.9
Max	104.7	105	104.8	104.9	105	105	104.9	104.6	104.8	105	102.7	102.4	103.9	104.9	100.8	98.2	95.8	99.5	102.5	104.1	104.8	102.8	105	104.5	99.8
n	360	348	357	324	272	245	277	354	363	359	371	372	372	365	372	372	372	372	372	372	356	348	354	348	8379

Data Recovery: 0.0% missing; 6.1% 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 2003

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	24.3	24.2	24.1	24.1	24.1	24.3	25	26.5	28.5	28.9	29.2	31.1	32.3	33.3	34	34	29.8	29.4	29.1	27.8	26.9	26.2	25.8	25.2	27.9
2	24.9	24.7	24.4	24	23.8	23.7	23.9	25.2	28	30.5	30.7	31.2	32.3	33	33.4	33.9	34.1	32.7	30.7	28.7	27.3	26.5	25.9	25.4	28.3
3	25	24.8	24.6	24.3	24	23.8	24.5	27	29.5	31.1	30.9	27	25.9	24.7	24.7	25.9	27.3	28.5	28.1	26.8	25.4	24.7	24.3	24.2	26.1
4	24.1	23.9	23.7	23.4	23.3	23.3	23.7	25.5	26.6	28.3	29.7	30.2	30.3	28.8	29.5	31.1	31.2	29.2	27.2	25.6	24.8	24.3	24	23.9	26.5
5	23.9	24.1	24.1	24.1	24.1	23.9	23.7	23.3	23.1	24.1	26.2	28.3	29.6	30.2	31	32.2	32.6	32.7	31.6	28.8	27	26.2	25.6	25.5	26.9
6	24.8	22.8	22	21.9	22.1	22	22.6	23.7	25.8	26.5	26.2	26.1	24.3	25.1	28.1	29.3	28.8	29.6	28	26.7	25.8	25.4	25.1	24.8	25.3
7	24.5	24.2	24	23.8	23.6	23.6	23	22.8	23.1	23.2	23.7	25.4	27.4	28.5	29.2	29.8	29.8	29.4	27.7	26.3	25.4	24.9	24	23.6	25.5
8	23.7	23.5	23.3	22.9	22.7	22.5	22.7	23.5	24.9	26.2	27.1	29	29.2	27.4	27.5	28.5	29.5	29.6	28.8	27.1	25.9	25.4	25.1	24.8	25.9
9	24.6	24.5	24.4	24.4	24.3	24.3	24.5	24.6	24.3	24.4	24.6	24.9	26.2	26.9	26.5	27.1	28.1	28.3	27.4	26.1	25	24.4	24.1	24	25.3
10	23.9	24.2	24.4	24.4	24.2	23.9	24.1	25	25.7	26.3	26.1	25	24.5	24.8	26.5	28.2	28	27.9	26.4	25	23.9	23.4	23.2	23.3	25.1
11	23.3	23.3	23.4	23.5	23.4	23.4	23.6	23.8	22.5	22.3	24.5	27.7	29.6	31.1	32.2	32.1	31.2	30.5	29.4	28.1	26.8	25.6	24.7	24.2	26.3
12	23.8	23.3	23.1	23	22.8	22.6	22.6	23.3	24.8	27.3	29.5	31.9	32.9	33.1	32.5	31.1	30	29.3	28	26.7	25.5	24.7	24.2	23.8	26.7
13	23.5	23.4	23.3	23.2	23.2	23.1	23.5	24.8	26.2	27.9	30.8	33.1	33.6	33.4	33.6	33.5	31.2	29.7	28.7	27.1	25.9	25.1	24.9	24.6	27.4
14	24.3	23.9	23.7	23.7	23.6	23.5	23.5	24.6	28.1	31.2	33.5	34.2	30.9	26.5	26.4	30.6	33.3	33.4	31.7	28.5	26.1	24.9	24.1	23.8	27.4
15	23.5	23.2	23.1	22.8	22.4	22.3	22.4	23.8	26.6	30.1	33.1	34.4	35.2	35.7	35.5	35.6	35.5	32.9	30	28.1	26.5	25.6	25.1	25	28.3
16	24.9	24.6	24.3	24	23.7	23.4	23.4	24.8	26.8	29	31.2	32.8	32.9	31.5	30.4	29.5	29.9	29.4	27.8	25.8	24.6	23.9	23.6	23.7	26.9
17	23.9	23.8	23.5	23.2	23	22.7	22.7	23.5	24.7	26	27.1	28	29.8	30.5	30.6	30.4	29.9	25	22.3	21.5	21.3	21.1	20.8	20.5	24.8
18	20.3	20.1	19.9	19.9	19.9	19.8	19.8	20.6	23.8	28	30.6	32.6	33.5	33.2	32.3	31.1	27.9	27.9	26.9	25.1	24.1	23.5	23.3	23	25.3
19	22.9	22.8	22.7	22.6	22.4	22.2	22.3	23.5	25.8	27.9	30.1	31.4	32	31.7	31.7	30.6	29.4	28.4	26.9	25.2	24.2	23.9	23.4	22.8	26.1
20	22.4	22	21.9	22.1	22.2	22.2	22.4	23.2	25.5	28.5	31	32.2	32.5	32.6	32.9	33.2	32.4	31.2	29.4	27	25.2	24.1	23.5	23	26.8
21	22.5	21.9	21.8	21.5	21.3	21.2	21.6	23.6	26.8	29.7	32.3	33.7	34.7	34.6	34.9	35	34.1	32.7	30.7	28.4	26.9	25.8	25	24.6	27.7
22	24.3	24.1	23.8	23.6	23.4	23.4	23.5	24.4	27	30.1	32.4	33.7	34.1	34.6	34.9	35.1	34.7	33.7	31.9	29.5	27.9	26.8	25.9	25.1	28.7
23	24.6	24.3	24.1	23.9	23.5	23.1	23.1	24.3	26	27.9	30.2	31.4	29.9	31	32.4	33.1	32.6	31.3	29.3	26.6	24.8	24	23.3	22.1	27
24	20.9	20.1	19.4	18.8	18.4	18	18.1	18.9	20.7	24.3	27.4	29.3	30.4	30.5	31	31.6	30.8	29.1	26.7	23.2	20.6	19.2	18.6	17.8	23.5
25	17.4	17.3	16.7	16.4	16.3	16	16.4	19.4	23.1	26.2	28.4	30.1	30.8	31.5	31.9	32.3	32.5	31.9	30.2	27.5	25.4	24.6	24.3	24	24.6
26	23.9	23.8	23.4	23	22.5	22.2	22.4	23.6	26.1	29.5	33.1	35	35.6	36.1	36.3	36.3	35.6	34.6	32.8	30.4	28.5	27.4	26.7	26.2	29
27	25.7	25.2	24.9	24.7	24.7	24.6	24.5	25.7	28	31.1	34.1	36.7	38	39.3	39.2	39	38.2	36.9	34.7	31.7	29.3	27.9	27.3	27.2	30.8
28	26.7	26.2	25.7	25.2	24.8	24.4	24.3	25.3	27.3	29.6	32.6	35	36.6	37.2	37.6	37.5	37.3	36.2	33.7	31.5	29.7	28.7	27.9	27.2	30.3
29	26.4	25.8	25.2	24.7	24.4	24.1	23.9	25.1	27.8	30.7	33	34.6	35.6	35.9	36.1	36.4	36.4	35.5	33.6	30.8	29.2	28.3	27.5	26.8	29.9
30	26.2	25.8	25.4	25.1	25	24.9	25	26.5	28.6	30.9	32.7	34.2	35	35.2	35.5	36	35.9	35.2	33.5	30.8	28.9	27.8	27	26.3	29.9
31	25.9	25.7	25.4	24.8	24.3	24.1	24.3	25.4	27.5	30.8	33.2	34.2	33.4	33	31.6	31.8	30.1	28.1	26.8	25.4	23.3	22.8	22.7	22.5	27.4
Avg	23.9	23.6	23.3	23.1	23	22.8	22.9	24	25.9	28	29.8	31.1	31.6	31.6	31.9	32.3	31.9	31	29.3	27.3	25.9	25.1	24.5	24.2	27
S D	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.8	2.1	2.5	3	3.3	3.5	3.7	3.5	3.1	3	2.9	2.7	2.3	2.1	2	1.9	1.9	1.8
S/A	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.1	0.11	0.11	0.12	0.11	0.1	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07
Min	17.4	17.3	16.7	16.4	16.3	16	16.4	18.9	20.7	22.3	23.7	24.9	24.3	24.7	24.7	25.9	27.3	25	22.3	21.5	20.6	19.2	18.6	17.8	23.5
Max	26.7	26.2	25.7	25.2	25	24.9	25	27	29.5	31.2	34.1	36.7	38	39.3	39.2	39	38.2	36.9	34.7	31.7	29.7	28.7	27.9	27.2	30.8
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: 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

August 2003

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	1.6	1.2	1.3	0.9	0.5	1.8	1.8	2.6	2.8	2.1	3.1	3.7	3.2	3.3	2.6	2.4	2.6	1.8	1.4	1.8	1.6	2	1.8	1.9	2.1
2	1.8	1.5	1.3	1.1	1.1	1.2	1.3	2.4	2.5	2.6	2.9	3.5	3.7	3.7	3.3	3.6	4.2	3.1	2.9	2.6	2.4	2.3	1.3	1.3	2.4
3	1.4	1.2	1	0.3	0.1	0.2	0.8	1.8	2.3	2	3.4	3.1	3.3	1.2	1.5	2.5	2.6	3.1	2.1	0.7	0.6	0.6	1.2	2.1	1.6
4	1.5	1.8	1.6	1.1	0.8	0.8	1.1	2.2	2.1	2.7	3	3.1	3.9	3.5	4	3.2	2.8	1.7	1.8	2.2	2.1	2.2	1.8	2.2	2.2
5	2.6	2.1	2.5	1.5	0.7	1	1.3	1.4	1.8	2.6	3	2.9	3	3	3.1	3.3	2.7	2.2	1.7	2.2	2.8	1.9	2	2.7	2.3
6	1.2	0.6	0.4	0.2	0.7	0.8	0.8	0.4	0.9	1.3	1.9	3.1	0.2	2.6	2.1	1.5	2.1	1.7	1.2	0.6	0.8	2.2	2.3	1.7	1.3
7	0.6	0.7	0.5	0.6	1.2	2.5	1.6	1.8	2.4	2.3	3.4	3.8	3.2	3.3	3.1	3.1	3.1	2.4	1.1	1.5	1.8	1.2	0.6	0.8	2
8	0.6	0.7	0.5	0.1	0.1	0.2	0.3	0.6	0.9	0.9	1.9	2.3	3.4	2.3	2.3	2.4	2.9	3.2	3	3	2.5	2.4	2.6	1.8	1.7
9	2	1.8	1.2	1.2	1.1	1.1	1.8	2.6	2.3	3	3.5	3.2	3.9	3.2	2.5	2.9	2.7	2.5	2.8	2.1	1.7	1.6	1.5	2.2	2.3
10	2.6	2.9	1.8	1.4	1.2	1.2	1.8	2	2.9	4.6	2.7	2.5	4.2	4.6	3.4	2.5	2.8	3.5	3.2	2.3	1.7	2.2	1.6	1.5	2.6
11	1.3	1	0.9	1.1	1.1	1	1.9	3.3	3.1	2.7	2.6	2.2	2.9	3	2.8	3	2.6	2.2	1.6	1.8	2	1.7	1.5	1.4	2
12	1.2	1	0.5	0.3	0.4	0.3	0.1	0.3	0.9	1.9	1.8	2.8	2.2	3.7	3.6	2.7	3.1	2.6	2.3	1.8	1	1.2	0.7	0.9	1.5
13	0.9	0.6	0.5	0.8	0.1	0	0.5	1	1.3	1.9	2	2.3	2.6	3	2.7	3	1.9	0.7	0.7	0	0	0.4	0.5	0.2	1.2
14	0	0.1	0.5	0.4	0.3	0.8	0.8	1	1.1	0.8	1.2	1	3	0.7	0.8	1.2	1	1	0.6	0	0.5	0	0.4	0.6	0.7
15	0.1	0.4	0.3	0	0.1	0.1	0.1	0.8	1	1.2	1.4	1.2	2.1	3	2.9	3.1	1.9	1.6	0.8	0	0	0.2	0.6	0.9	1
16	1.3	1.4	1.4	1.2	1.3	1	1.3	2	2.4	2.5	3.1	3.5	3.4	3.8	4.7	3.7	2.8	2.5	1.6	1.6	1.9	1.7	1.8	2.3	2.2
17	3	2.8	2.5	2.2	1.6	1	1.9	2.9	2.9	2.9	2.7	3.2	3.3	3.1	2.5	2.5	4.1	1.3	0.9	1.1	0.6	0.5	0.2	0.2	2.1
18	0.4	0.8	0.6	0	0.2	0.1	0.1	0.2	0.6	1.9	1.7	1.9	2.2	2.7	3.3	3.1	2.6	3.6	2.2	3	2	2.4	1.7	1.6	1.6
19	1.4	1.4	1.5	1.5	1	0.8	1	2.1	2.8	3.3	3.6	4.4	3.8	4	3.9	3.3	3.5	2.7	2.5	2.4	2	1.7	1.1	1	2.4
20	0.8	0.7	1	1.1	1.1	0.6	0.9	2.1	2.9	2.6	2.6	3.2	3.5	3.4	3.1	3.6	3.8	3	1.9	1.2	1.1	0.8	0.9	0.6	1.9
21	0	0	0	0	0.1	0	0	0.5	0.7	1.3	1.5	1.9	2.2	2.2	2.3	2.9	3.3	3.1	2.6	2.5	2	1.5	1.4	1.3	1.4
22	1.6	1.5	1.5	1.2	0.7	0.8	1	1.9	1.7	2.1	2.6	2.3	3.4	4	3.8	3.7	3.2	2.5	1.7	1.8	1.8	1.2	0.9	1.5	2
23	2	1.6	1.7	1.6	1.2	1.9	2	1.6	1.5	1.9	2.4	4.1	3.3	3	2.6	2.8	2.7	1.7	1.5	1.1	0.6	0.7	1.3	0.4	1.9
24	0.7	0.4	0.1	0.2	0.3	0.3	1.2	2.5	2.2	3	3	2.1	2.3	2.1	1.8	2.7	2.9	2.2	1.8	0.6	0.6	0.8	0.5	0.5	1.5
25	0.9	0.5	0.4	0.2	0	0	0.2	1.4	2.6	3.1	2.9	3.5	3.2	3.7	3.7	3.5	3.3	2.8	1.3	0.5	0.8	0.9	1.6	2	1.8
26	2.4	2.2	1.9	1.3	1.3	1.2	1.3	2.1	1.5	0.6	1.4	2.1	2.2	2.4	3.1	3.3	2.9	2.1	1.2	0.6	0.3	0.9	1.3	1.5	1.7
27	1	1.2	1.6	1.9	1.7	1.5	1.7	2.3	1.8	1	1	1.3	0.9	1.8	2.5	2.2	2.2	1.3	1.2	1	0.9	1	1.7	1.4	1.5
28	0.8	0.6	0.3	0.5	0.7	0.3	0.7	1.7	2.4	2.2	1.9	2.1	2.7	2.8	3.2	2.9	2	1.2	0.8	1.3	1.6	1.8	1.6	1.4	1.6
29	1.5	1.6	1.3	1.3	1.7	1.7	0.7	2.3	2.2	2.5	3	2.9	3.2	3.1	3.1	3.2	3.2	2.4	2	2.3	2.7	2.6	3	2.8	2.3
30	2.8	2.8	2.4	2.4	2.7	2.6	2.5	3.3	3.3	3.5	3.9	3.8	3.5	4.3	3.7	3.9	3.8	3	1.9	1.3	1.7	2	1.6	1.9	2.9
31	2.1	1.6	1.2	1.4	1.4	1.3	1.1	1.5	0.9	1.2	1.6	2	2.9	3.3	3.8	3.3	3	2.8	2.1	3.3	0.9	0.5	0.5	0.5	1.8
Avg	1.4	1.3	1.1	0.9	0.9	0.9	1.1	1.8	2	2.2	2.5	2.7	2.9	3	3	2.9	2.9	2.3	1.8	1.6	1.4	1.4	1.3	1.4	1.9
S D	0.8	0.8	0.7	0.7	0.6	0.7	0.7	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.6	0.7	0.7	0.7	0.9	0.8	0.7	0.7	0.7	0.5
S/A	0.59	0.62	0.63	0.71	0.73	0.77	0.6	0.49	0.41	0.41	0.32	0.31	0.29	0.28	0.27	0.2	0.24	0.32	0.4	0.59	0.56	0.53	0.5	0.51	0.25
Min	0	0	0	0	0	0	0	0.2	0.6	0.6	1	1	0.2	0.7	0.8	1.2	1	0.7	0.6	0	0	0	0.2	0.2	0.7
Max	3	2.9	2.5	2.4	2.7	2.6	2.5	3.3	3.3	4.6	3.9	4.4	4.2	4.6	4.7	3.9	4.2	3.6	3.2	3.3	2.8	2.6	3	2.8	2.9
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

August 2003

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	99	86	77	74	65	47	65	91	90	80	70	82	88	87	80	92	85	78	49	60	78	78	76	108	80
2	96	104	107	88	77	80	83	102	89	82	84	74	80	71	77	72	56	70	59	62	62	65	70	77	76
3	71	63	65	63	57	37	60	73	59	59	24	6	32	46	37	52	46	42	43	68	58	62	82	98	49
4	103	102	104	98	86	72	99	81	90	77	61	65	46	48	52	67	89	55	40	42	57	63	83	87	69
5	100	102	119	114	109	44	134	126	140	127	115	101	94	88	89	66	77	79	66	64	79	80	102	129	97
6	151	213	279	322	2	358	321	1	145	183	321	41	22	41	49	46	59	70	39	42	69	92	113	111	61
7	84	81	39	50	26	45	45	62	75	59	57	70	84	70	89	79	76	78	81	62	84	94	91	94	70
8	95	112	119	106	108	97	75	112	77	58	57	46	41	68	72	52	32	26	41	49	58	55	58	66	54
9	79	92	91	66	50	46	11	31	50	26	25	30	31	37	70	85	88	69	54	55	93	80	66	44	53
10	46	52	71	76	55	59	63	61	57	50	65	68	52	49	69	58	53	46	42	43	48	57	74	90	56
11	101	104	90	39	38	55	21	59	19	39	64	82	68	85	78	64	67	80	68	66	67	65	80	72	64
12	80	65	72	56	41	75	62	84	67	41	43	335	52	8	21	31	33	48	49	48	42	45	45	56	36
13	67	33	39	35	43	45	47	55	55	69	67	69	12	14	37	48	57	93	121	257	39	58	65	89	49
14	88	105	129	111	120	139	152	152	213	295	356	360	306	112	109	43	94	92	96	114	124	145	137	159	96
15	161	189	195	0	153	155	207	196	177	186	174	150	130	142	140	158	340	4	26	18	63	75	112	115	144
16	118	120	124	123	120	112	119	126	128	122	120	124	118	133	132	124	115	89	101	99	90	88	91	92	116
17	110	114	113	114	112	109	132	127	144	125	120	122	118	121	132	136	238	244	183	329	159	200	167	154	131
18	182	167	209	217	203	205	71	205	273	322	310	355	15	9	13	284	311	323	314	321	317	329	325	326	327
19	321	323	317	311	308	294	293	312	318	329	328	338	330	331	325	322	324	330	320	319	324	328	319	302	323
20	297	296	315	301	293	295	293	332	331	344	346	343	333	346	337	358	348	10	18	9	356	17	41	39	344
21	3	5	17	0	235	0	225	102	140	113	85	45	89	69	65	56	31	23	22	47	64	72	77	90	59
22	97	102	108	109	103	95	99	108	108	112	123	102	110	119	121	121	121	111	107	107	124	120	94	112	112
23	124	131	121	118	138	128	153	160	187	230	254	278	278	294	273	292	316	306	303	315	298	261	250	238	255
24	232	212	195	160	185	201	241	250	262	296	296	290	303	286	272	309	318	310	318	32	12	9	52	49	294
25	44	82	102	86	98	95	100	111	108	120	128	125	127	124	115	124	117	125	115	95	89	83	93	103	115
26	109	116	121	115	113	116	127	140	147	88	61	74	82	100	126	123	123	132	116	109	101	98	106	118	113
27	116	113	115	119	110	116	115	133	157	148	158	88	68	57	70	78	70	95	62	73	81	108	108	113	102
28	106	196	155	132	96	76	89	111	132	119	112	126	117	106	126	113	82	73	134	60	76	89	105	105	109
29	100	97	95	104	118	118	103	120	116	115	124	112	103	98	92	93	96	92	86	78	86	96	101	100	101
30	110	114	111	110	120	120	118	122	128	130	127	123	110	108	109	115	115	118	105	94	77	97	98	94	114
31	124	142	132	102	123	132	132	149	144	291	316	316	325	312	312	308	309	309	304	151	291	304	316	44	307
Avg	98	103	104	96	94	88	94	102	101	79	68	63	61	66	76	73	57	54	47	54	65	69	83	92	74
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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	2.7	2.4	2.5	1.9	1.3	2.8	3.2	4.3	4.8	3.6	5.5	6.3	5.1	5.5	4.3	4.3	4.5	3	2.2	2.9	3	3.4	3.2	3	3.6
2	3	2.5	2.3	2	2	2.2	2.3	3.9	4.1	4.4	4.8	6.1	6.2	6	5.4	6	6.5	5.3	4.8	4.2	3.8	3.9	2.6	2.4	4
3	2.6	2.2	1.9	0.9	0.6	0.7	1.5	2.9	3.8	3.3	5.4	4.8	5	2.3	2.7	3.9	4.5	4.6	3.3	1.8	1.7	1.6	2.4	3.5	2.8
4	2.6	3	2.7	2.2	1.8	1.8	2	3.5	3.5	4.3	4.8	4.8	5.7	5.5	6.4	5.4	4.5	2.8	2.6	3.2	3.3	3.6	3.2	3.6	3.6
5	3.9	3.5	4	2.6	1.6	1.6	2.1	2.5	3.5	4.1	4.7	4.8	4.8	5	5.1	5.4	4.6	3.5	3	3.5	4.9	3.5	3.5	4.8	3.8
6	2.4	1.3	1	0.7	1.3	1.4	1.4	1.2	2	2.7	3.1	5.1	0.8	4	3.6	2.5	3.5	3.1	1.9	1.3	1.9	3.8	3.8	3.2	2.4
7	1.7	2	1.3	1.6	2.1	4.4	2.8	3.6	4.3	3.7	5.4	6.5	5.3	5.6	5.3	5.2	5.2	4.1	2.4	3.1	3.4	2.6	1.8	2	3.6
8	1.9	1.8	1.4	0.7	0.5	1	1.2	1.7	2	1.8	3	3.8	5.2	3.9	4	4.2	4.6	4.7	4.7	4.4	4.1	3.7	4.3	3.4	3
9	3.3	3.2	2.2	2.2	1.9	2	2.9	4.2	3.6	4.5	5.5	4.8	5.9	4.7	4.1	4.7	4.2	4.2	4.7	3.4	2.8	2.7	2.9	3.5	3.7
10	3.9	4.6	3.6	2.5	2	2.1	3.1	3.5	4.8	6.9	4.8	4.4	6.4	7.1	5.4	4.4	4.7	5.3	4.5	3.5	2.7	3.4	3	2.7	4.1
11	2.2	1.9	1.8	1.6	2	2	2.8	5.4	4.3	4.1	4.1	3.9	4.9	5.3	4.6	5	4.3	3.9	2.7	3.1	3.5	3	2.6	2.6	3.4
12	2.1	1.7	1.4	0.9	1	1	0.6	0.9	1.9	2.9	3.2	4	3.5	5.8	5.4	3.8	4.7	4.2	3.7	2.8	1.7	2.1	1.4	1.7	2.6
13	1.7	1.2	1	1.4	0.4	0.2	1.3	2	2.4	3.3	3.6	3.8	4	4.3	4.3	4.3	3.1	1.5	1.2	0.2	0.1	1.1	1.2	0.7	2
14	0.1	0.3	0.9	0.9	0.7	1.3	1.6	1.9	2.4	1.7	2.3	1.9	4.7	1.5	1.6	2.3	1.8	1.9	1.4	0.1	0.8	0.2	0.9	1.2	1.4
15	0.6	1.2	0.9	0	0.5	0.3	0.4	1.9	2.3	2.5	2.9	2.3	3.6	4.7	4.4	4.8	3.2	2.4	1.4	0.2	0.1	0.9	0.9	1.4	1.8
16	1.8	2	2.2	1.9	1.9	1.7	2	3	3.8	4.1	4.9	5.6	5.1	6.2	7.3	5.7	4.3	4	2.7	2.5	3.1	2.8	2.9	3.8	3.6
17	4.7	4.4	4.1	3.8	2.5	1.8	3	5	4.5	4.5	4.3	5	5.2	4.7	4	4.2	6.7	2.3	2.1	1.8	1.1	1	0.6	0.5	3.4
18	1.2	1.5	1.4	0.2	0.5	0.2	0.4	0.7	1.4	2.8	2.8	3.2	3.7	4	4.7	6	3.9	5.5	3.4	4.3	3.2	3.6	2.5	2.4	2.7
19	2.1	2	2.4	2.3	1.6	1.5	1.7	3.1	4.4	5	5.5	6.3	5.8	6	5.5	5.1	5.3	4.4	4.1	3.7	3.1	2.6	1.8	1.5	3.6
20	1.3	1.4	1.5	1.7	1.8	1.6	1.9	3.2	4.3	3.9	4	4.7	5	5.4	4.8	5.1	5.6	4.4	2.7	2	1.8	1.4	1.6	1.2	3
21	0	0.2	0.2	0	0.2	0	0.1	1.1	1.6	2.4	2.7	3.3	4	3.7	3.8	4.6	4.7	4.3	3.9	3.5	3.1	2.7	2.6	2.4	2.3
22	2.6	2.4	2.3	2.1	1.3	1.8	1.8	3.2	2.8	3.4	4.4	4	5.6	6.4	5.9	5.8	5	4.2	2.7	2.7	2.6	2.1	1.7	2.2	3.3
23	2.9	2.4	2.5	2.3	1.8	2.7	3.2	3.1	3	3.3	4.1	6.3	5.5	4.9	4.3	4.4	3.9	2.6	2.3	1.9	1.2	1.4	2.2	0.9	3.1
24	1.3	0.8	0.3	0.8	1	0.8	2.3	3.9	3.8	4.8	4.4	3.7	3.7	3.8	3.3	4.3	4.5	3.4	2.8	1.2	1.3	1.6	1	1	2.5
25	1.6	0.9	0.8	0.7	0.1	0	0.7	2.2	4.1	4.7	4.9	5.3	5	5.8	5.8	5.7	5.2	4.3	2	1.1	1.6	1.7	2.6	3.2	2.9
26	3.8	3.4	2.9	1.9	2	1.8	2	3.3	2.5	1.4	2.5	3.5	3.7	4	4.9	5	4.5	3.4	2	1.3	0.7	1.5	2	2.2	2.8
27	1.6	1.8	2.3	2.7	2.9	2.2	2.5	3.8	3.2	2.1	2.2	2.7	2	3.1	4.1	3.6	3.7	2.3	1.9	1.9	1.7	1.6	2.7	2.1	2.5
28	1.3	1.2	0.8	1	1.4	0.8	1.6	2.7	3.7	3.5	2.9	3.6	4.5	4.5	4.8	4.7	3.4	2.3	1.4	2.6	2.9	3.1	2.6	2.1	2.6
29	2.4	2.5	2	2.1	2.7	2.6	1.6	3.5	3.5	4.1	4.8	4.9	5.3	5.5	5.3	5.1	4.7	3.9	3.3	3.9	4.5	4.4	4.7	4.7	3.8
30	4.6	4.5	3.9	3.8	4.1	4.1	4	5.1	5.5	5.7	6.3	6.2	5.6	6.7	6.3	6.6	6.1	4.7	3.1	2.3	2.7	3.3	2.7	3.2	4.6
31	3.2	2.7	2	2.1	2.2	2.2	2	2.7	1.8	2.3	2.5	3.2	4.3	5.2	5.5	5	4.7	4.2	3.3	5.9	1.7	1	1	1.2	3
Avg	2.3	2.2	1.9	1.7	1.5	1.6	1.9	3	3.3	3.6	4.1	4.5	4.7	4.9	4.7	4.7	4.5	3.7	2.8	2.6	2.4	2.4	2.4	2.4	3.1
SD	1.2	1.1	1	1	0.9	1	0.9	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.1	0.9	1	1	1	1.4	1.2	1.1	1	1.1	0.7
S/A	0.51	0.52	0.54	0.58	0.58	0.64	0.48	0.4	0.32	0.33	0.28	0.28	0.25	0.26	0.24	0.2	0.22	0.28	0.36	0.52	0.51	0.45	0.44	0.47	0.23
Min	0	0.2	0.2	0	0.1	0	0.1	0.7	1.4	1.4	2.2	1.9	0.8	1.5	1.6	2.3	1.8	1.5	1.2	0.1	0.1	0.2	0.6	0.5	1.4
Max	4.7	4.6	4.1	3.8	4.1	4.4	4	5.4	5.5	6.9	6.3	6.5	6.4	7.1	7.3	6.6	6.7	5.5	4.8	5.9	4.9	4.4	4.7	4.8	4.6
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: 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 2003

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	1017	1017	1016	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1015	1015	1015	1016	1016	1016	1017	1017	1017	1016	
2	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1018	1017	1017	1017	1017	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017
3	1018	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1016	1016	1015	1015	1014	1015	1015	1015	1015	1015	1015	1017
4	1015	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1014
5	1012	1012	1011	1011	1010	1010	1010	1012	1012	1012	1012	1012	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1011	1011	1011	1011
6	1011	1011	1010	1010	1010	1010	1011	1011	1011	1011	1011	1011	1011	1010	1010	1009	1010	1009	1010	1010	1010	1010	1010	1010	1010	1010
7	1010	1010	1009	1009	1009	1009	1009	1009	1010	1010	1009	1009	1009	1009	1008	1008	1008	1008	1008	1008	1009	1009	1010	1010	1010	1009
8	1010	1010	1010	1010	1010	1011	1011	1011	1011	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1013	1011
9	1012	1012	1012	1012	1012	1013	1013	1014	1014	1014	1014	1013	1013	1013	1012	1012	1012	1012	1012	1013	1013	1013	1014	1014	1014	1013
10	1014	1014	1014	1014	1014	1015	1015	1015	1016	1016	1016	1016	1016	1015	1014	1014	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014
11	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1012	1012	1012	1012	1013	1014	1014	1014	1015	1013
12	1015	1015	1015	1015	1015	1016	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1021	1021	1021	1022	1018
13	1022	1022	1022	1022	1022	1023	1023	1024	1024	1024	1025	1025	1025	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1025	1024
14	1025	1025	1025	1025	1025	1025	1025	1026	1025	1025	1025	1025	1025	1024	1024	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1024
15	1022	1022	1022	1021	1021	1021	1021	1021	1021	1021	1022	1021	1021	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1017	1016	1020
16	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1012	1011	1010	1010	1010	1011	1011	1010	1010	1010	1012
17	1009	1009	1010	1009	1009	1010	1010	1010	1010	1010	1010	1010	1010	1010	1009	1009	1010	1009	1010	1011	1011	1011	1011	1011	1011	1010
18	1011	1011	1012	1012	1012	1013	1013	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1015
19	1017	1017	1017	1017	1017	1018	1019	1019	1020	1020	1020	1020	1020	1020	1020	1019	1019	1020	1019	1019	1020	1020	1020	1020	1020	1019
20	1019	1019	1019	1019	1020	1020	1020	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020
21	1019	1019	1019	1019	1019	1019	1020	1020	1019	1019	1019	1018	1018	1017	1016	1016	1015	1015	1015	1015	1016	1016	1015	1015	1015	1017
22	1015	1015	1014	1015	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1011	1011	1010	1010	1010	1011	1011	1011	1011	1011	1011	1013
23	1010	1010	1010	1010	1010	1010	1011	1011	1012	1012	1013	1013	1013	1013	1012	1012	1012	1012	1013	1013	1014	1014	1014	1014	1014	1012
24	1015	1014	1014	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1017	1017
25	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016
26	1015	1015	1015	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1013	1012	1012	1012	1014
27	1012	1012	1012	1012	1012	1012	1013	1013	1014	1015	1015	1014	1014	1014	1013	1013	1012	1012	1012	1012	1013	1013	1014	1014	1015	1013
28	1015	1015	1015	1016	1016	1016	1017	1017	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1019	1017
29	1018	1018	1018	1018	1018	1018	1019	1019	1019	1020	1020	1019	1019	1018	1017	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1018
30	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1019	1019	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1019
31	1020	1020	1020	1020	1020	1021	1021	1022	1022	1022	1022	1022	1022	1022	1021	1021	1021	1022	1022	1023	1022	1022	1022	1022	1022	1022
Avg	1016	1015	1015	1015	1015	1016	1016	1016	1016	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
StA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Min	1009	1009	1009	1009	1009	1009	1009	1009	1010	1010	1009	1009	1009	1009	1008	1008	1008	1008	1008	1009	1009	1010	1010	1010	1009	
Max	1025	1025	1025	1025	1025	1025	1025	1026	1025	1025	1025	1025	1025	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1025	1024	
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: 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