

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

September 2002

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	5	27 ?	48 ?	159	288	351	292	309	539	354	460	212	96	17	0	0	0	0	0	3154
2	0	0	0	0	0	7	45	93	164	236	371	396	308	312	291	291	149	56	8	0	0	0	0	0	2727
3	0	0	0	0	0	13	66	292 ?	468	640	728	834	845	781	663	488	294	104	8	0	0	0	0	0	6225
4	0	0	0	0	0	13	100	229	456	628	748	818	820	758	629	466	271	92	7	0	0	0	0	0	6036
5	0	0	0	0	0	12	109	240	488	656	738	846	842	800	671	505	318	110	10	0	0	0	0	0	6344
6	0	0	0	0	0	9	87	242	472	584	761	603	432	561	657	452	292	104	11	0	0	0	0	0	5267
7	0	0	0	0	0	9	99	297	491	661	791	853	912	862	426	150	218	76	9	0	0	0	0	0	5854
8	0	0	0	0	0	5	74	274	487	659	767	638	714	223	150	97	75	43	8	0	0	0	0	0	4216
9	0	0	0	0	0	8	88	291	496	474	685	371	350	442	322	181	178	57	23 ?	0	0	0	0	0	3967
10	0	0	0	0	0	5	32	83	58	116	184	137	111	62 ?	49 ?	48 ?	36 ?	24	10	0	0	0	0	0	956 ?
11	0	0	0	0	0	2	76	265	446	603	723	782	774	674	514	401	225	72	5	0	0	0	0	0	5562
12	0	0	0	0	0	7	89	286	486	661	786	789	780	782	599	452	269	80	4	0	0	0	0	0	6070
13	0	0	0	0	0	10	88	264	479	664	798	864	859	796	669	483	275	76	6	0	0	0	0	0	6331
14	0	0	0	0	0	7	87	163	336	562	616	459	377	221	117	109	37	12	2	0	0	0	0	0	3106
15	0	0	0	0	0	2	55	246	348	531	605	663	585	528	305	208	91	19	1	0	0	0	0	0	4186
16	0	0	0	0	0	1	27	127	132	122 ?	?	?	202 ?	120	146	190	75	41	8	0	0	0	0	0	1191 ?
17	0	0	0	0	0	6	55	197	404	590	740	768	751	710	472	248	241	45	1	0	0	0	0	0	5227
18	0	0	0	0	0	4	55	234 ?	449	487	554	708	678	642	488	287	162	42	0	0	0	0	0	0	4790
19	0	0	0	0	0	5	49	285 ?	445	633	748	810	813	733	606	429	224	50	0	0	0	0	0	0	5831
20	0	0	0	0	0	7	77	188	444	606	739	805	802	628	598	436	216	54	0	0	0	0	0	0	5601
21	0	0	0	0	0	6	64	213	414	181	594	821	478	672	606	429	228	50	0	0	0	0	0	0	4755
22	0	0	0	0	0	6	42	183	292	557	724	810	822	721	430	209	206	43	0	0	0	0	0	0	5045
23	0	0	0	0	0	4	60	153	116	247	480	675	484	189	182	188	67	6	0	0	0	0	0	0	2850
24	0	0	0	0	0	0	20	136	247	521	509	528	495	574	538	379	133	34	0	0	0	0	0	0	4115
25	0	0	0	0	0	1	26	153	269	537	483	614	471	399	250	183	50	18	0	0	0	0	0	0	3452
26	0	0	0	0	0	0	7	28 ?	74 ?	107	113	139	127	91	83	180	82	10	0	0	0	0	0	0	1041 ?
27	0	0	0	0	0	1	45	220	432	568	699	565	553	594	556	344	131	25	0	0	0	0	0	0	4732
28	0	0	0	0	0	1	34	92	243	197	371	440	481	363	335	142	86	41	0	0	0	0	0	0	2826
29	0	0	0	0	0	2	65	235	414	517	732	750	507	546	501	352	200	37	0	0	0	0	0	0	4858
30	0	0	0	0	0	0	45	203	330	516	694	729	744	682	534	377	179	34	0	0	0	0	0	0	5068
Avg	0	0	0	0	0	5	60	199	351	478	615	638	581	534	425	305	174	52	5	0	0	0	0	0	4379
S D	0	0	0	0	0	4	27	76	141	189	186	212	234	236	196	139	85	30	6	0	0	0	0	0	1573
S/A	0	0	0	0	0	0.72	0.45	0.38	0.4	0.4	0.3	0.33	0.4	0.44	0.46	0.46	0.49	0.57	1.24	0	0	0	0	0	0.36
Min	0	0	0	0	0	0	7	28	58	107	113	137	111	62	49	48	36	6	0	0	0	0	0	0	956
Max	0	0	0	0	0	13	109	297	496	664	798	864	912	862	671	505	318	110	23	0	0	0	0	0	6344
n	0	0	0	0	0	81	349	320	354	354	348	348	357	354	349	352	354	344	61	0	0	0	0	0	4325

Daylight Data Recovery: 0.0% missing; 2.8% exceed the 15% QC threshold -- 4449 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.

Prepared by: Afshin M. Andreas, NREL

September 2002

Direct Normal Solar Radiation
 Hourly Integrated and Daily Totals
 Instrument: Eppley NIP
 Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	0	2	5	9	2	4	58	19	214	74	68	10	0	0	0	0	0	466
2	0	0	0	0	0	1	0	0	1	1	4	15	2	2	1	71	2	0	0	0	0	0	0	0	101
3	0	0	0	0	0	14	130	555 ?	608	647	585	705	747	738	712	633	512	310	38	0	0	0	0	0	6934
4	0	0	0	0	0	25	225	425	524	606	649	688	697	675	622	549	400	189	13	0	0	0	0	0	6288
5	0	0	0	0	0	2	157	390	682	726	673	792	786	816	784	737	681	457	101	0	0	0	0	0	7784
6	0	0	0	0	0	9	245	522	648	569	610	326	134	325	675	588	580	415	91	0	0	0	0	0	5737
7	0	0	0	0	0	69	431	672	752	801	821	824	803	673	183	1	161	210	54	0	0	0	0	0	6454
8	0	0	0	0	0	2	124	486	721	771	594	247	495	1	1	1	1	0	0	0	0	0	0	0	3444
9	0	0	0	0	0	0	91	389	579	379	467	75	19	68	49	2	39	2	0	0	0	0	0	0	2158
10	0	0	0	0	0	1	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
11	0	0	0	0	0	0	213	477	541	565	602	595	582	499	390	337	229	146	15	0	0	0	0	0	5191
12	0	0	0	0	0	40	404	648	763	826	853	705	679	791	676	679	597	344	43	0	0	0	0	0	8049
13	0	0	0	0	0	30	314	720	813	866	903	919	913	898	869	809	679	331	44	0	0	0	0	0	9108
14	0	0	0	0	0	1	71	57	128	297	280	94	40	1	0	0	0	0	0	0	0	0	0	0	970
15	0	0	0	0	0	0	79	351	184	313	286	281	263	255	50	16	0	0	0	0	0	0	0	0	2080
16	0	0	0	0	0	0	0	12	1	0	0	5	0	2	3	1	0	0	0	0	0	0	0	0	24
17	0	0	0	0	0	0	16	174	300	525	689	653	555	554	281	96	227	42	0	0	0	0	0	0	4111
18	0	0	0	0	0	0	74	348	507	227	215	362	350	472	401	206	68	1	0	0	0	0	0	0	3232
19	0	0	0	0	0	5	202	642 ?	730	789	839	842	829	790	767	684	515	190	0	0	0	0	0	0	7823
20	0	0	0	0	0	18	191	309	584	689	657	808	819	618	779	746	564	271	0	0	0	0	0	0	7052
21	0	0	0	0	0	1	182	319	526	16	492	801	381	728	814	754	634	292	0	0	0	0	0	0	5940
22	0	0	0	0	0	2	105	267	135	531	799	802	782	803	439	185	538	193	0	0	0	0	0	0	5582
23	0	0	0	0	0	0	1	21	1	14	109	345	102	0	0	1	0	0	0	0	0	0	0	0	594
24	0	0	0	0	0	0	0	3	14	233	213	220	245	397	562	560	76	6	0	0	0	0	0	0	2530
25	0	0	0	0	0	0	1	66	73	341	216	277	150	55	9	16	0	0	0	0	0	0	0	0	1203
26	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	3	0	0	0	0	0	0	0	8
27	0	0	0	0	0	0	72	513	704	662	763	277	293	435	663	515	110	36	0	0	0	0	0	0	5042
28	0	0	0	0	0	0	22	2	122	3	27	14	34	2	9	0	15	200	0	0	0	0	0	0	450
29	0	0	0	0	0	0	238	624	632	501	790	699	375	507	579	498	476	190	0	0	0	0	0	0	6108
30	0	0	0	0	0	0	232	448	292	513	761	748	766	673	726	695	538	198	0	0	0	0	0	0	6590
Avg	0	0	0	0	0	7	127	315	386	414	464	437	395	394	369	320	257	136	14	0	0	0	0	0	4035
S/D	0	0	0	0	0	15	123	247	299	302	315	325	324	326	332	310	263	144	27	0	0	0	0	0	2938
S/A	0	0	0	0	0	2.08	0.96	0.78	0.78	0.73	0.68	0.74	0.82	0.83	0.9	0.97	1.02	1.06	1.99	0	0	0	0	0	0.73
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Max	0	0	0	0	0	69	431	720	813	866	903	919	913	898	869	809	681	457	101	0	0	0	0	0	9108
n	0	0	0	0	0	81	355	347	358	360	360	360	360	360	360	360	360	346	62	0	0	0	0	0	4429

Daylight Data Recovery: 0.0% missing; 0.4% exceed the 15% QC threshold -- 4449 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

September 2002

Diffuse Solar Radiation (Shadow Band) on a Horizontal Surface
Hourly Integrated and Daily Totals
Instrument: Eppley PSP
Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	6	22	37 ?	162	290	351	301	310	473	344	313	175	77	17	0	0	0	0	0	2881
2	0	0	0	0	0	9	47	96	169	242	373	384	315	319	298	232	150	57	7	0	0	0	0	0	2698
3	0	0	0	0	0	13	48	106 ?	125	166	225	189	162	145	131	118	93	48	7	0	0	0	0	0	1575
4	0	0	0	0	0	12	58	109	160	182	196	189	181	177	165	146	115	58	7	0	0	0	0	0	1752
5	0	0	0	0	0	16 ?	77	93	102	123	155	117	116	97	87	75	55	29	6	0	0	0	0	0	1148
6	0	0	0	0	0	10 ?	53	87	105	175	233	309	306	264	151	112	69	32	8	0	0	0	0	0	1915
7	0	0	0	0	0	9 ?	32	54	68	77	98	104	183	280	285	153	149	45	8	0	0	0	0	0	1543
8	0	0	0	0	0	7 ?	55	84	76	94	244	381	242	233	157	96	78	46	9	0	0	0	0	0	1802
9	0	0	0	0	0	10 ?	68	145	161	200	267	309	333	380	285	182	162	58	27 ?	0	0	0	0	0	2586
10	0	0	0	0	0	6 ?	33	86	60	123	193	145	117	59	40 ?	38	28	25	10	0	0	0	0	0	964
11	0	0	0	0	0	2	39	96	150	201	225	254	253	253	239	219	140	53	5	0	0	0	0	0	2130
12	0	0	0	0	0	6	32	61	71	76	82	157	170	129	115	84	63	31	4	0	0	0	0	0	1081
13	0	0	0	0	0	8 ?	30	48	49	57	59	59	59	60	61	52	44	28	6	0	0	0	0	0	620
14	0	0	0	0	0	10 ?	76	142	263	346	373	362	345	232	122	115	39	12	1	0	0	0	0	0	2438
15	0	0	0	0	0	2	41	124	235	293	354	399	342	308	271	202	95	20	1	0	0	0	0	0	2686
16	0	0	0	0	0	1	28	128	143	101	41	35 ?	173	114	141	195	79	42	9	0	0	0	0	0	1229
17	0	0	0	0	0	6	53	159	238	216	179	196	262	254	267	182	165	37	1	0	0	0	0	0	2215
18	0	0	0	0	0	4	48	103	180	296	348	366	341	241	188	163	135	43	1	0	0	0	0	0	2457
19	0	0	0	0	0	6 ?	29	58	72	96	81	92	107	106	93	85	67	27	0	0	0	0	0	0	918
20	0	0	0	0	0	8 ?	51	91	140	135	198	119	107	128	78	63	49	22	0	0	0	0	0	0	1191
21	0	0	0	0	0	7 ?	43	118	159	175	193	139	147	95	66	56	43	18	0	0	0	0	0	0	1259
22	0	0	0	0	0	7 ?	34	118	206	176	88	128	158	94	120	110	51	21	0	0	0	0	0	0	1310
23	0	0	0	0	0	?	62	144	122	241	381	359	382	196	191	195	70	6	0	0	0	0	0	0	2349
24	0	0	0	0	0	0	21	139	239	345	322	332	280	255	165	105	107	33	0	0	0	0	0	0	2344
25	0	0	0	0	0	1	27	129	220	293	299	356	339	349	246	180	52	18	0	0	0	0	0	0	2509
26	0	0	0	0	0	0	8	23 ?	65	107	119	147	135	96	88	187	84	11	0	0	0	0	0	0	1070
27	0	0	0	0	0	?	34	56	77	121	104	325	294	253	128	94	96	20	0	0	0	0	0	0	1601
28	0	0	0	0	0	?	30	95	182	187	344	426	428	365	330	147	86	24	0	0	0	0	0	0	2646
29	0	0	0	0	0	?	24	47	96	182	126	176	188	160	136	118	81	19	0	0	0	0	0	0	1354
30	0	0	0	0	0	0	28	79	167	162	116	119	122	183	92	68	47	18	0	0	0	0	0	0	1200
Avg	0	0	0	0	0	6	41	95	142	183	212	232	230	210	169	136	89	33	5	0	0	0	0	0	1782
S D	0	0	0	0	0	4	17	36	61	81	108	118	99	105	87	64	42	17	6	0	0	0	0	0	659
S/A	0	0	0	0	0	0.65	0.41	0.38	0.43	0.44	0.51	0.43	0.5	0.51	0.47	0.47	0.51	1.35	0	0	0	0	0	0	0.37
Min	0	0	0	0	0	0	8	23	49	57	41	35	59	40	38	28	6	0	0	0	0	0	0	0	620
Max	0	0	0	0	0	16	77	159	263	346	381	426	428	473	344	313	175	77	27	0	0	0	0	0	2881
n	0	0	0	0	0	61	354	337	358	360	360	350	359	360	356	359	360	346	60	0	0	0	0	0	4380

Daylight Data Recovery: 0.0% missing; 1.6% exceed the 15% QC threshold -- 4449 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

September 2002

Dry Bulb Temperature (Tower)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	22.8	22.9	22.7	22.6	22.5	22.6	22.5	22.4	22.9	23.9	25.1	25.9	25.6	26	25.9	26.5	26	25.1	22.9	21.3	20.7	20.4	19.9	19.1	23.3
2	18.9	18.9	19.2	19.4	19.5	19.6	19.9	20.3	21.1	21.8	22.2	23.4	24.2	24.3	24.2	25	24.3	23.8	23	22.3	21.7	21	20	19.3	21.6
3	18.5	18.3	18.2	17.8	17.7	17.4	18.3	20.7	23.4	24.4	25.3	26.1	27.2	28.1	28.8	29.5	29.4	28.5	26.6	25.2	24.5	23.7	23.6	23.3	23.5
4	23.1	23	22.9	22.9	22.8	22.7	22.9	24	25.6	27.2	28.6	29.4	30.3	31.1	31.5	31.6	31.4	30.7	29	27.9	27.2	26.6	26.1	26	26.8
5	24.1	21.9	21.8	21.8	21.9	22	21.9	22.6	24.1	25.8	26.5	27	27.3	27.2	27.7	27.5	27.1	26.2	24.4	23.4	22.7	22.1	21.8	20.9	24.2
6	19.9	19.1	18.7	18.6	18.5	18.1	19.1	21.6	23.6	25.4	26.1	26.9	26.3	26.3	26.4	25.9	25.5	24.9	23.2	22.2	21.8	21.4	21	20.8	22.6
7	20.4	19.9	19.1	18.6	18.4	18	18.6	20.3	22.2	23.7	24.6	25.4	26.2	26.6	25.8	25	25.1	24.9	24	22.9	22.1	21.7	21.1	20.7	22.3
8	21.1	21.3	21	20.9	20.7	20.9	21.4	23.4	24.9	25.9	26.7	26.6	26.4	24.7	23.4	21.5	20.9	21	21.1	21.1	21.3	21.5	21.9	22.1	22.6
9	21.8	21.6	21.3	21.3	21.1	20.9	20.9	22.2	24	24.3	25	25.1	24.8	25.1	25.5	25.1	24.9	24.6	24.5	24.3	24.4	24	24.2	24.4	23.6
10	24.5	24.4	24.4	24.4	24.4	24.8	25	25.7	25.9	25.4	25.7	25.8	25.2	24.9	24.4	24.4	24.3	24.5	24.5	24.5	24.7	24.6	24.3	23.8	24.8
11	23.1	22.9	22.7	22.4	21.9	21.6	21.3	22.6	24.8	27	28.8	30	30.9	31.5	31.5	31.7	31.1	28.1	25.7	24	22.7	21.6	20.9	19.7	25.4
12	18.2	17.1	16.8	16.2	16.2	16	16.5	19	21.4	23	23.4	23.8	24.3	24.7	24.9	24.6	23.6	22.3	20.7	19.3	18.6	17.9	18.3	17.3	20.2
13	17.3	16.4	16.3	15.5	15.4	15	15.3	18.9	22.3	23.6	24.1	24.8	25.4	25.6	26.3	26.5	26.2	24.2	22.6	21.9	21.3	21	21.1	20.6	21.2
14	20.7	20.9	21.1	21.2	21.2	21.3	21.8	23.2	24.7	26.1	27	27.1	27.3	26.7	26.2	26	25.4	24.6	23.5	23.3	23.2	23.1	22.8	22.8	23.8
15	22.8	23	23.1	23.1	23.1	23.1	23	24.5	25.8	26.5	27.3	28	28.7	28.8	28.4	28.2	27.3	26.3	25.4	24.9	24.5	24.2	24.1	24.1	25.3
16	24.2	24.3	24.3	23.9	23.8	23.5	23.2	23.6	24.3	24.5	24.3	24.3	24.7	25	23.6	24.4	24.9	24.9	24.4	23.2	22.6	22.4	22.1	21.9	23.8
17	21.6	21.2	21	20.9	20.7	20.5	20.8	22.1	23.6	25.2	26.3	27.4	28	28.3	27.8	27	26.1	24.5	23.2	21.9	20.9	20.7	19.6	19.3	23.3
18	19.2	18.8	18.5	18.2	18.1	18.4	18.9	20.7	24.1	25.2	25.6	26.5	26.6	26.9	26.7	25.7	24.6	23.3	22.5	22.1	21.5	20.3	20.6	20.4	22.2
19	20.1	19.1	18.4	17.8	17.5	17.5	18	21.4	23.4	24.6	25.6	26.2	26.7	26.7	26.9	26.7	26	24.5	23.4	22.8	22.6	22.5	22	21.1	22.6
20	21.2	21	20.7	20.8	21	20.8	21.4	23.4	24.8	26.2	27.2	28.5	28.7	28.1	27.9	27.5	26.6	25.4	24	23.2	22.9	22.4	21.4	20.7	24
21	20.5	20.5	20.4	20.4	20	20.1	19.6	21.7	25.5	25.7	26.4	27.5	27.7	28.5	28.2	27.9	27.2	26.2	24.5	23.8	23.2	22.9	22.5	21.9	23.9
22	21.3	20.6	20.9	20.5	19.6	19.9	20.1	22.4	24.1	25.5	27.3	28.4	28.6	28.6	28.2	27.7	27.6	26.6	25.4	24.8	24.5	24.2	23.6	23.5	24.3
23	23.1	22.9	22.6	22.5	22.3	22	22.1	22.8	23.5	24.3	25.3	26	25.8	25.5	24.6	24.4	23.4	22.6	22.2	22	21.8	21.5	21.4	21.1	23.2
24	21.1	20.8	20.8	20.6	20.3	20.4	19.9	20.2	21.5	23.5	24	25	25.3	26	26	25.8	24.4	23	22	21.2	20.7	20.4	20.1	19.4	22.2
25	19	19.3	19.5	19.7	19.7	20.1	20.6	21.7	22.7	23.7	24.2	24.8	24.8	24.3	24	23.5	22.8	22.3	22	21.8	21.6	20.9	20.7	20.6	21.9
26	20.6	20.5	20.3	20.1	20	20.1	20.5	21.2	21.8	22.3	22.4	22.6	23	23.1	23.3	24.1	24.4	23.7	23.1	23	23.3	23.6	23.6	23.4	22.3
27	23.4	23.4	23.4	23.5	23.7	23.8	23.8	24.9	26.3	27.4	28.4	29.2	29.2	29.3	30	29.7	28.8	27.7	26.7	26.1	26	25.8	25.7	25.6	26.3
28	25.5	25.5	25.4	25.3	25.1	23.6	23.7	23.9	24.7	24.1	23.8	24	24.4	23.8	23.7	23	22.8	22.8	21.6	21.1	20.7	20.2	19.9	19.2	23.2
29	18.5	18.9	19.1	18.7	17.5	17.2	17.4	20.3	22.2	23.3	24.4	25	24.6	24.5	24.6	24	23.5	22.3	21.2	20.4	19.7	19.2	18.8	18.5	21
30	18.3	18.3	18.1	18.2	17.9	18.2	18.9	21	22.3	23.3	24.3	24.9	25	25.3	25.1	24.8	24	22.5	21.3	20.5	20	19.5	18.5	18.3	21.2
Avg	21.2	20.9	20.8	20.6	20.4	20.3	20.6	22.1	23.7	24.8	25.5	26.2	26.4	26.5	26.4	26.2	25.7	24.7	23.6	22.9	22.4	22	21.7	21.3	23.2
S D	2.2	2.2	2.3	2.4	2.5	2.4	2.3	1.7	1.4	1.4	1.7	1.8	1.9	2.1	2.3	2.4	2.4	2.1	1.9	1.8	1.9	2	2	2.2	1.6
S/A	0.1	0.11	0.11	0.12	0.12	0.12	0.11	0.08	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.09	0.09	0.1	0.07
Min	17.3	16.4	16.3	15.5	15.4	15	15.3	18.9	21.1	21.8	22.2	22.6	23	23.1	23.3	21.5	20.9	21	20.7	19.3	18.6	17.9	18.3	17.3	20.2
Max	25.5	25.5	25.4	25.3	25.1	24.8	25	25.7	26.3	27.4	28.8	30	30.9	31.5	31.5	31.7	31.4	30.7	29	27.9	27.2	26.6	26.1	26	26.8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI 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

September 2002

Relative Humidity (Tower)
Hourly and Daily Averages
Instrument: CSI HMP-35C
Percent

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	103.9	104	104.7	105 ?	?	?	?	?	105 ?	102.9	97.2	93.4	94.4	90.6	88.1	83.8	86.7	88.3	95.5	97.5	97.6	98.9	100	101	96.9 ?
2	102.2	103.2	102.6	102.2	102.4	102.1	101.5	100.2	96.8	93.2	90.8	85.4	82.5	82.8	82.8	79.4	81.8	85.8	89.1	91.3	94.8	96.5	100.3	103	93.9
3	104.3	104.9	104.5	104.6	105 ?	105 ?	104.6 ?	99	85.5	80.4	78.6	73.9	69.6	70.4	68.2	67.7	70.2	74.5	82.9	92	95.3	98.8	99.5	102.2	89.2
4	103.4	104	104.2	104.3	104.4	104.3	103.5	99.6	92.8	85.7	79.8	78.1	75.7	73.5	71.7	71.3	72.9	77	83.2	87.1	89.2	93.3	94.1	94.7	89.5
5	97.6	104.1	104.8	104.8	104.2	100.7	94.8	89.4	86.6	81.1	79.7	75.1	72.8	68.5	63.6	62.6	60	65.6	76.8	85.3	91.3	94.6	96.7	99.2	85.8
6	102.6	104.1	104.6	104.6	104.5	104.8	102.8	97	87.2	74.6	70.1	65	71.6	72.7	70.2	74.1	70.4	71.1	81.4	88.5	93.2	94.6	94.4	93.6	87.4
7	95.2	97.3	98.3	98.9	97.9	97.4	93.9	85.9	80.8	74.1	70.1	69.2	70.8	72.7	78.1	86.3	86.9	87.2	87.8	89.2	92.5	95.1	98.2	100.7	87.7
8	100	100.3	101.4	101.8	102.6	102.8	101.8	95.1	86.7	83	81.7	80.4	77.8	81.7	90.8	100.5	101	100.6	101.6	102	103.4	104.2	104.1	104	96.2
9	104.2	104.6	104.8	104.9	104.8	104.8	104	99	89	82	80.7	85.8	90.8	91.4	91.2	94.1	95.3	96.7	98	99.5	99.7	103.2	102.7	103	97.2
10	103.1	103	103	103.2	103.5	101.9	100.8	98.1	96.6	98.5	99.6	98.4	100.9	101.9	103.3	102.4	102.3	101.4	100.9	99.3	99.1	99	99.1	100.1	100.8
11	101.8	101.3	101.7	101.5	98.3	91.9	90.3	84.1	76.2	69.5	63.5	60	57.7	56.2	55.3	53.2	54.8	60.6	61.9	59.2	61.4	65.1	64.6	70.1	73.3
12	78.2	84.7	85.2	86.1	83.9	83.7	82.5	76.2	68.4	57.9	55.3	56	55.2	54.9	54.7	58.1	60.8	66.3	74.3	83.2	85.1	88.5	85.9	91	73.2
13	99.1	101.3	103	103.8	104.6	104.5	103.5	94.7	72.3	58	49.4	47.4	49.1	43.7	38.6	46.4	51.1	60.6	78.5	88.8	92.6	96	97.2	99.3	78.5
14	100.6	101.7	103	104.1	104.7	104.7	104	100.5	94.8	87.4	82.4	81.5	79.3	78.2	79	84.5	89.3	93.7	100.4	101.8	101.9	101.2	100.5	98.3	94.9
15	98.3	98.5	98.5	99.1	99.2	98.5	99.1	95.4	89.3	85.7	80.9	78.6	75.3	74.4	75.4	73.8	79.5	86	90	92	94.9	97.4	99.6	101.6	90
16	101.8	101.4	102.1	102.6	102.4	102.1	103.8	103.1	100.8	100.1	102.1	103.7	103.6	100.4	104	103.4	102.2	103.4	103.2	103.6	104.6	104.8	104.9 ?	?	102.8
17	?	?	?	?	?	?	?	103.2 ?	98.2	87.3	73.7	65.7	62.6	59	60	60.8	72	80.4	86.5	92.9	97.7	99.1	102.2	103.1	82.6 ?
18	103.5	104.4	104.9	104.9 ?	105 ?	104.4	103.3	98.8	80.4	72	65.5	63	64.5	62.5	64	68.6	74.9	77.9	83.3	82.6	86.6	93.1	93.7	95.9	85.7
19	98.3	101.7	102.9	104.1	104.7	104.5	103.6	94.8	88.1	80.4	70.3	66.4	66	67.3	67.4	69.7	76.5	83.6	90.3	94.1	95.1	95.6	97.8	100.5	88.5
20	101.3	102	103.4	103.5	102.4	103.4	102.4	94.2	83.9	75.1	67.8	58	53.5	63.8	65.8	63.2	67.4	73	80.2	86.1	88.8	93.1	97.3	100.5	84.6
21	101.1	101.5	102.5	103.3	104.6	105 ?	104.8 ?	100.8	90.9	90.8	84.6	73.6	72	66.4	64.4	66.3	67.5	69.7	82.5	89.3	94.7	96.3	97.5	99.5	88.7
22	101	103.3	103.4	104.3	104.5	104.9 ?	104.6	100.8	97.3	92.1	79.9	76.1	78.9	78.6	80.3	82.3	85	89	96.9	99.9	102	103.3	104	104.5	94.9
23	104.8	104.9	?	?	?	?	?	?	103.4 ?	98.4	91	80.7	79.9	80.9	83.9	85	88.1	89.5	90.8	91.4	92.9	93.1	94.9	91.4	91.4 ?
24	95.3	94.8	91.4	87.6	84.8	83.5	86.4	88.1	85.3	82.1	82.2	78	73.5	68.6	70.2	69	73.1	79.1	81.7	76.7	75.6	80	84	87.3	81.6
25	91.3	96.1	97.3	97	97.1	97.5	97.3	91.8	88.1	84	82.6	78.4	78.7	81.2	83.2	86.8	91.1	93.4	94.7	95.6	97.6	102.6	104.5	105 ?	92.2
26	104.7	104.4	104	103.9	103.9	103.6	104.6	105	104.9	104.4	104.4	104.8	104.8	105	105 ?	104.4	103.7	103.4	103.8	104.1	104	103.5	103.2	103.7	104.2
27	103.7	103.6	103.4	103.6	102.6	102.1	102.3	99.5	95.2	90.5	84.1	80.8	82.3	84.8	81.6	81.5	84.7	89.5	92.9	97.6	99.1	100.3	100.7	100.9	94.5
28	100.8	100.6	100.5	100.6	100.6	103.1	103.7	103.3	100.8	93.9	86	82.8	77.1	76.8	76.7	80.2	81.9	82.2	87.4	91.5	95.8	97.9	98	99.2	92.6
29	102.4	101.4	99	98.9	102.8	104	103.7	93.4	87.3	81.3	75.5	71.3	74.1	73.9	75.1	77.3	79.5	85.8	92.2	96.4	99.6	101.4	102.2	103	90.9
30	103.8	104.3	104.5	104.8	104.5	103.4	100.1	91.5	85.1	74.8	67.9	65.6	64.1	65.8	65.1	66	72	83.1	90.7	96.3	99	101	102.8	103.5	88.3
Avg	100.3	101.4	101.6	101.7	101.5	101.1	100.3	95.8	89.9	84	79.2	75.9	75.3	75	75.3	76.7	79.4	83.3	88.6	91.8	94.1	96.4	97.4	98.7	89.9
S D	5.3	4.2	4.4	4.7	5.4	5.9	5.8	6.6	9.1	11.6	12.8	13.4	13.8	14	15.1	14.9	14	12.1	9.6	9.1	8.7	7.9	6.9	7.5	
S/A	0.05	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.1	0.14	0.16	0.18	0.18	0.19	0.2	0.19	0.18	0.15	0.11	0.1	0.09	0.08	0.08	0.07	0.08
Min	78.2	84.7	85.2	86.1	83.9	83.5	82.5	76.2	68.4	57.9	49.4	47.4	49.1	43.7	38.6	46.4	51.1	60.6	61.9	59.2	61.4	65.1	64.6	70.1	73.2
Max	104.8	104.9	104.9	105	105	105	104.8	105	105	104.4	104.4	104.8	104.8	105	105	104.4	103.7	103.4	103.8	104.1	104.6	104.8	104.9	105	104.2
n	348	346	336	326	311	305	306	330	345	360	360	360	360	360	356	359	360	360	360	360	360	356	340	8324	

Data Recovery: 0.0% missing; 3.7% failed QC -- 8640 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2002

Dry Bulb Temperature (CR10)
Hourly and Daily Averages
Instrument: CSI
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	22.7	22.6	22.6	22.6	22.5	22.5	22.6	22.6	22.7	23.4	25.1	27.4	28.4	28.5	29.1	29.5	29.8	28.5	26.4	24	22.4	21.5	20.9	20	24.5
2	19.3	18.8	19	19.3	19.4	19.5	19.6	20.2	21	22.1	23.3	24.8	26.2	26.9	27.2	27.4	27.3	26.1	24.8	23.6	22.7	21.7	20	18.9	22.5
3	18.2	17.7	17.6	17.3	16.8	16.5	16.9	18.9	22.2	25.9	28.4	30.1	30.7	31.3	31.8	32.7	33.1	32.3	29.9	26.7	25	23.7	23	22.7	24.6
4	22.6	22.5	22.4	22.4	22.4	22.3	22.4	23.3	25.6	28	30.1	31.8	32.8	33.4	34.1	34.6	34.5	33.8	31.8	29.3	27.8	26.9	26.3	26	27.8
5	25.7	23.9	22.5	21.9	21.6	21.4	21.1	21.8	23.8	26.3	28.3	29.6	30.3	30.2	30.5	31.3	31.1	30.1	27.6	24.3	22.4	21.2	20.5	19.9	25.3
6	19.3	18.7	18.3	18	17.8	17.6	17.8	19.5	22.6	25.9	28.3	30.4	30.5	29.8	29.5	29.8	29.3	28.3	26	23.1	21.6	20.8	20.1	19.7	23.4
7	19.4	18.7	18.1	17.6	17.1	16.8	16.9	18.9	21.8	24.4	26.5	28.2	29.3	30.2	30.4	29.3	27.5	26.8	25.7	23.6	22.1	21	20.3	19.9	22.9
8	19.7	19.9	20.1	20.1	20.2	20.1	20.6	22	24.7	26.9	28.8	30.1	30.1	29.1	27.1	24	22.1	21.5	21.2	20.9	20.9	21	21.2	21.5	23.1
9	21.7	21.5	21.3	21.2	21.1	20.9	20.8	21.4	23.8	26	26.7	27.8	27.2	26.9	27.5	27.5	26.8	26.3	25.5	25	24.7	24.4	24	24	24.3
10	24.2	24.2	24.1	24.1	24.1	24.1	24.3	24.9	25.6	25.6	25.2	25.3	25.2	24.9	24.6	24.4	24.2	24.1	24	23.9	24.1	24.3	24.4	24.1	24.5
11	23.4	23	22.6	22.3	21.8	21.2	20.9	21.9	24.1	26.9	29.7	31.8	33.4	34	34.2	34.5	34.4	32.5	29	25.7	23.3	21.6	20.4	19.2	26.3
12	17.4	15.7	14.8	14.4	14.1	14.1	14.2	16.6	20	23.1	25.4	26.8	27.5	28	28.4	28.5	28	26.3	23.3	19.8	17.4	16	15.1	14.6	20.4
13	14.1	14.2	14.1	14	13.6	13.4	13.7	16	19.9	23.7	26.4	27.6	28.4	28.5	28.9	29.5	29.7	28.3	25.2	22.3	20.8	19.9	19.5	19.3	21.3
14	19.1	19.4	19.7	20	20.3	20.5	20.8	21.7	23.3	26	28.5	29.7	29.8	29.3	28.2	27.3	26.6	25.7	24.3	23.3	23	22.7	22.5	22.1	23.9
15	21.8	22	22.3	22.6	22.6	22.7	22.5	23.5	26	27.9	29.5	30.7	31.8	31.9	31.6	30.9	29.7	28.2	26.7	25.6	24.9	24.4	24	23.8	26.2
16	23.8	23.8	23.9	23.8	23.6	23.4	23.2	23.3	23.8	24.7	24.6	24.3	24.4	24.7	24.5	24.3	24.7	25	24.9	24.1	23.2	22.7	22.3	22.1	23.9
17	21.9	21.6	21.4	21	20.7	20.4	20.4	21.2	23.1	25.7	28.1	30	31.2	31.7	31.7	30.8	29.3	27.8	24.9	22.4	20.5	19.5	19.1	18.7	24.3
18	18.3	18.1	17.9	17.6	17.4	17.4	17.6	18.6	21.5	25.4	27.4	28.9	30.2	30.5	30.6	29.9	28.1	25.8	23.6	22.2	21.2	19.7	18.7	18.7	22.7
19	18.5	18.2	17.8	17.2	16.7	16.5	16.7	18.5	22	25.4	28	29.9	30.7	30.7	30.8	31	30.4	28.7	25.7	23.3	22.2	21.8	21.3	20.5	23.4
20	20	20.1	19.8	19.6	19.8	19.8	20	21.3	23.8	27	29.9	32.2	33.5	33.1	32	31.7	30.8	29.1	26.2	23.6	22.4	21.7	20.7	19.8	24.9
21	19.3	19.1	18.9	18.9	19	19	19.2	20.4	23.5	27.5	28	30.4	31.6	31.1	31.5	31.6	31	29.8	26.9	24.4	23	22.1	21.6	20.9	24.5
22	20.4	19.9	19.6	19.7	19.4	19.1	19.4	20.5	22.8	25.8	28.9	31.6	33	33.2	32.7	31.3	30.4	30.1	27.7	25.6	24.5	23.9	23.5	23.2	25.3
23	22.9	22.6	22.4	22.3	22.4	22.4	22.3	22.8	23.6	24.2	25.8	27.8	28.8	28.5	27.4	26.5	25.8	24.5	23.4	22.7	22.3	21.8	21.5	21.3	24
24	21.1	20.9	20.7	20.5	20.3	20	20	19.9	20.9	23.1	25.5	27.2	28.3	28.8	29.5	29.8	28.7	26	23.5	21.8	20.8	20.2	19.7	19.3	23.2
25	18.7	18.4	18.5	19	19.2	19.4	19.5	20.3	22.1	24.1	26	27	28.1	27.6	27	26	25.1	23.9	23	22.4	22	21.4	20.9	20.8	22.5
26	20.8	20.6	20.5	20.3	20.1	20	20.1	20.5	21.2	21.8	22.4	22.7	23.1	23.3	23.5	23.8	24.3	24.4	23.7	23.1	22.9	23	23.1	23	22.2
27	22.9	22.9	22.9	22.9	22.9	23	23	23.8	26.2	28.5	30.2	31.6	32.1	32.1	32.5	32.9	32.2	30.4	28.4	26.9	26	25.6	25.4	25.3	27.1
28	25.3	25.2	25.4	25.4	25.3	24.7	23.9	23.8	24.2	25.6	25.7	26.1	26.7	27.1	26.6	26	24.7	24.2	22.9	21.4	20.7	19.8	19	18.5	24.1
29	17.8	17.6	17.6	17.5	17	16.6	16.5	17.8	21.1	24	26	28	28.4	27.6	27.4	27.5	26.8	25.6	23	20.9	19.6	18.6	18.1	17.8	21.6
30	17.6	17.5	17.6	17.5	17.4	17.2	17.3	18.6	21.2	23.5	25.7	27.5	28.4	28.6	28.9	28.7	28.1	26.3	23.1	20.8	19.6	18.9	18.1	17.5	21.9
Avg	20.6	20.3	20.2	20	19.9	19.8	19.8	20.8	22.9	25.3	27.1	28.6	29.3	29.4	29.3	29.1	28.5	27.4	25.4	23.6	22.5	21.7	21.2	20.8	23.9
S D	2.6	2.7	2.7	2.7	2.8	2.8	2.7	2.2	1.7	1.7	2	2.4	2.6	2.7	2.7	3	3.1	2.8	2.4	2	2.1	2.3	2.4	2.5	1.7
S/A	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.11	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.1	0.11	0.1	0.09	0.09	0.09	0.1	0.11	0.12	0.07
Min	14.1	14.2	14.1	14	13.6	13.4	13.7	16	19.9	21.8	22.4	22.7	23.1	23.3	23.5	23.8	22.1	21.5	21.2	19.8	17.4	16	15.1	14.6	20.4
Max	25.7	25.2	25.4	25.4	25.3	24.7	24.3	24.9	26.2	28.5	30.2	32.2	33.5	34	34.2	34.6	34.5	33.8	31.8	29.3	27.8	26.9	26.3	26	27.8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI Serial Number: Internal Temp Calibration Factor: N/A Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0.7	0.3	0.2	0.1	0.3	0.5	1.6	1	1.2	0.9	0.4	0.4	2	2.3	2.2	1.7	1.7	1.7	2.4	1.8	1.6	1.4	1.7	1.3	1.2
2	1	1.3	1.9	1	0.8	1	0.8	1.4	1.1	2.3	2.7	1.3	0.6	0.8	0.7	1	1.5	1	1.1	1.3	0.6	0.3	0	0	1.1
3	0	0.2	0.1	0	0	0	0	0.2	0.9	1.2	1.4	1.9	1.8	1.9	2.2	1.7	1.6	1.2	0.8	1.6	0.9	1.1	1.2	1.2	1
4	1.5	1.4	1.6	2.2	1.8	2	2.1	2.2	3	3.6	3.7	3.7	3.5	3.4	3.7	3.6	2.9	1.8	1.3	1.4	1.5	1.8	2	1.2	2.4
5	3.3	0.9	0.2	0.9	1.2	1.8	2.1	2.8	3	3.8	3.6	3.6	3.5	3.3	2.7	3.1	2.8	2.2	1.4	1.1	0.9	0.9	0.6	0.4	2.1
6	0.1	0	0.1	0.5	0.3	0.4	0.7	1.4	2	2	2.2	2.3	2.4	3.5	3.7	3.3	3.3	2.5	1.5	1.3	1.6	1.3	1.4	1.5	1.6
7	0.9	0.7	1.1	1.6	1.4	1.8	1.9	2	2.6	3.3	3.4	3.1	3.4	3.3	3.2	2.5	3	2.4	1.8	1.4	1.2	0.6	1	1.3	2
8	1.5	1.5	1.7	1.7	1.6	1.6	1.8	2.6	4	4.5	3.8	4.1	4.9	3.7	3.3	3.4	2.4	2.2	1.5	1.7	2.3	2.1	1.7	1.6	2.5
9	1.6	1.9	2.1	2	2.4	2.4	2.7	2.8	3.6	4.5	4.4	5	5	5	4.5	5.1	5	4.6	4.2	4.7	5.2	5.1	4.5	4.1	3.9
10	3.3	2.8	3.2	3.1	3.1	3	3.4	4.4	4.7	4.6	4.4	5.3	5.6	5.8	5.4	5.7	6	6.4	5.7	4.9	4.3	3.3	2.4	2.1	4.3
11	2.9	3.4	3.2	2.2	2.6	3.1	2.9	3.4	3.4	3.2	3.1	2.7	3	3.2	3.2	2.6	2.2	3.2	3.1	2.9	2.7	2.4	2.3	0.6	2.8
12	0.2	0.4	0.7	0.7	1.3	1	1.2	1.7	2.4	2.9	3.1	2.7	2.1	2.2	2.1	2.8	3	2.6	0.8	0.3	0.1	0.1	0.1	0	1.4
13	0	0	0.1	0	0	0.2	0	0.2	1.5	1.4	2.9	2.3	2.5	2.5	2.3	1.9	2.2	2.4	1.9	1.2	0.8	0.7	0.6	0.3	1.2
14	0.7	0.9	0.8	0.6	0.8	1.2	1.2	1.5	2.4	3.6	3.4	3.8	3.8	3.7	2.5	2.9	2.5	2	1.5	1.2	1.4	0.9	1.1	1.2	1.9
15	1.4	1.4	1.6	1.3	1.4	1.3	1.3	1.7	2.3	2.9	3.1	2.8	3	3	2.8	2.7	2.3	1.9	2.3	1.7	1.3	1.2	1.2	1.4	2
16	1.3	1.4	2	1.5	1.7	1.6	1.2	1.2	1.4	1.7	1.2	0.8	1.6	2.7	3.1	3.3	2.1	1.4	1.8	1.2	1	0.8	0.9	1	1.6
17	0.5	0.9	0.2	0.1	0.1	0.3	0.3	1.2	2.4	2.6	2.6	2.2	2.6	2.7	2.6	2.6	2.2	1.7	1	0	0	0.3	0.2	0	1.2
18	0	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.7	1.5	2.5	2	2.2	2.1	2.5	3	2.6	2.4	2.6	1.9	1	0.1	1.1	0.6	1.3
19	0.1	0.4	0.5	0.2	0.4	0.6	0.5	0.7	1.8	2.1	1.8	1.9	2.5	2.5	2.6	2.8	2.8	2.7	1.9	1.5	1.3	1.3	0.5	0.1	1.4
20	0	0.1	0.1	0.6	0.3	0.5	0.6	0.7	1.9	2	1.6	1.2	2.1	2.7	3.1	3.2	3.3	2.3	1.6	2	1.8	0.8	0.2	0	1.4
21	0.2	0.1	0.1	0.1	0	0	0.1	0.3	0.2	0.6	1.4	2	2.9	3.1	3.8	3.8	3.1	2	1.8	1.8	1.4	1.4	0.6	0.7	1.3
22	0.2	0.8	0.8	0.6	0.5	0.9	0.6	0.9	1.4	1.6	2.6	2.5	2.9	3.7	3.8	2.8	2.7	2.4	1.6	0.9	1	0.3	0.1	0.1	1.5
23	0.1	0	0.1	0	0.2	0.2	0.2	0.3	2.1	3.7	3.9	4	3.9	3.4	3.9	3.9	3.8	3.2	3.1	2.6	2.2	1.7	1.7	1.4	2.1
24	1.3	1.2	2.3	2.4	1.8	1.8	1.6	2	2.5	2.6	2.6	2.4	2.3	2.4	2.7	2.5	2.8	2.4	1.4	2.1	2	1.8	1.3	0.9	2
25	1.1	0.9	1.1	0.9	1.4	1.3	1.8	2.5	3.5	4.5	4.1	4.1	3.9	4.1	4.1	3.8	3.8	3.7	3.5	3.5	3.3	2.4	2.7	2.8	2.9
26	3.3	2.8	3.1	2.8	2.2	2.6	1.5	1.3	2.2	2.7	2.8	2.1	1.8	2.3	1.7	1.6	1.5	1.1	0.9	1.2	0.9	1.6	0.5	0.3	1.9
27	0.2	0.6	0.4	0.8	1.6	1.5	1.8	2.7	3.9	4.6	5.2	4.5	4.1	4.9	4.9	4.8	3.8	3.6	3.6	3.1	3.8	3.7	3.6	3.6	3.1
28	3.2	3.1	2.8	2.1	1.6	1.4	0.8	1.1	1.5	3	3.7	3.6	3.7	4.1	3.7	3.1	2.6	1.7	1.4	1.6	1.3	1.1	0.9	0.5	2.2
29	0.6	1.2	1	0.6	0.4	0.9	0.9	1.6	1.9	3.1	3.4	3.4	3.3	3.6	3.4	4.2	3.3	2.6	2.2	1.4	0.6	0.9	1.1	1	1.9
30	1.1	1.3	0.8	1.1	0.9	0.9	1	1.4	2.5	3.7	3.3	2.9	3.1	2.9	2.8	2.8	2.6	2.4	1.8	1.4	1.2	0.5	0.2	0	1.8
Avg	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.6	2.3	2.8	2.9	2.8	3	3.2	3.1	3.1	2.8	2.5	2	1.8	1.6	1.4	1.2	1	2
S D	1.1	1	1	0.9	0.9	0.9	0.9	1	1	1.2	1.1	1.2	1.1	1	1	1	1	1.1	1.1	1.1	1.2	1.1	1	1	0.8
S/A	1.03	0.88	0.92	0.83	0.79	0.72	0.71	0.64	0.46	0.41	0.36	0.43	0.36	0.32	0.31	0.34	0.34	0.44	0.54	0.59	0.72	0.8	0.84	0.99	0.41
Min	0	0	0.1	0	0	0	0	0.2	0.2	0.6	0.4	0.4	0.6	0.8	0.7	1	1.5	1	0.8	0	0	0.1	0	0	1
Max	3.3	3.4	3.2	3.1	3.1	3.1	3.4	4.4	4.7	4.6	5.2	5.3	5.6	5.8	5.4	5.7	6	6.4	5.7	4.9	5.2	5.1	4.5	4.1	4.3
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2002

Wind Direction
Hourly and Daily Averages
Instrument: NRG Vane
Degrees from North

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	41	32	344	330	328	339	327	2	344	338	335	219	287	318	342	355	338	322	308	301	305	293	289	298	321
2	296	297	307	298	301	307	302	319	323	342	345	343	323	302	240	302	331	314	312	314	5	11	5	0	319
3	0	311	307	312	0	0	0	128	139	162	156	185	183	235	249	228	208	186	177	141	144	184	192	201	191
4	207	209	210	211	210	214	225	230	232	235	243	219	228	221	219	226	224	216	212	209	208	204	208	154	220
5	40	319	262	293	330	341	345	349	7	32	21	36	45	42	51	59	64	51	65	89	70	70	55	8	32
6	335	0	294	308	308	307	334	0	359	32	28	40	47	58	49	49	40	35	21	9	43	49	48	50	35
7	31	11	336	350	345	352	351	360	21	31	37	35	57	59	55	46	51	54	57	43	35	22	355	3	31
8	21	13	353	356	353	7	9	43	51	45	51	41	37	25	25	14	355	348	343	345	358	358	4	4	20
9	354	2	1	4	3	5	356	8	28	17	27	30	36	25	30	33	24	33	27	29	32	37	43	42	25
10	47	42	44	35	36	38	39	47	50	53	44	42	32	33	28	9	2	358	340	332	329	310	296	291	19
11	275	274	269	270	263	263	269	269	270	270	291	303	293	285	285	302	320	19	16	9	348	353	354	348	298
12	309	288	303	301	311	307	318	352	28	40	45	66	56	66	58	67	63	73	100	158	120	97	103	104	44
13	104	0	39	0	0	354	338	117	113	128	88	92	85	125	185	214	154	127	113	99	154	149	144	144	125
14	145	156	145	155	146	129	117	124	150	154	174	148	153	154	162	160	157	148	160	173	157	162	162	167	154
15	166	165	166	164	165	162	161	166	190	190	188	191	177	176	169	169	162	160	158	147	139	146	154	159	170
16	171	191	193	183	172	193	186	200	171	169	118	93	122	154	165	157	173	216	320	308	296	301	285	290	180
17	287	301	293	290	304	300	304	354	359	13	15	3	342	342	350	347	67	74	89	116	102	111	230	0	3
18	0	274	311	279	283	354	350	358	8	36	67	65	84	69	77	71	75	91	96	101	109	95	74	82	75
19	4	328	335	337	328	354	359	49	70	79	86	100	106	93	98	97	84	79	83	87	85	88	87	79	83
20	53	131	122	105	84	68	71	84	95	88	67	63	88	85	99	112	116	121	107	109	108	125	149	164	99
21	128	112	112	325	350	11	282	311	149	290	104	115	110	106	109	114	108	103	105	104	97	90	90	89	106
22	0	49	47	69	351	23	356	44	56	32	66	72	76	95	91	94	85	95	92	88	90	97	86	119	75
23	360	352	28	0	291	317	331	305	343	355	4	9	10	9	3	5	359	8	358	3	3	354	358	1	2
24	340	340	351	351	5	8	338	342	355	23	16	48	39	44	48	45	52	52	21	14	12	7	9	345	18
25	354	20	0	17	26	37	37	49	54	61	54	60	54	49	50	46	44	42	47	46	48	43	47	50	47
26	58	57	55	52	56	63	62	62	71	76	74	75	96	108	104	113	108	165	118	129	141	149	152	155	81
27	161	151	150	165	149	149	135	148	162	167	172	174	178	174	174	172	177	175	184	188	190	192	198	207	175
28	213	220	224	219	258	219	221	239	253	5	3	13	8	16	11	14	21	25	8	16	40	50	41	352	351
29	332	358	31	5	304	310	334	12	24	32	51	39	25	46	56	59	49	41	33	36	16	349	357	351	33
30	352	0	8	8	357	17	51	53	65	67	65	62	65	63	63	70	71	73	67	59	43	2	325	350	55
Avg	12	338	342	345	344	356	355	17	41	46	49	56	58	62	64	63	60	59	46	42	40	36	24	21	43
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1.5	1.1	0.6	0.6	1	1.2	3.2	2.3	2.3	2.3	1.5	1.2	3.8	4.1	3.8	3.4	3	3.1	4.2	3.9	3.7	3.1	4.1	3.4	2.6
2	2.6	3.3	3.9	2.6	2.5	2.8	2.3	3.4	3.1	4.1	4.3	2.8	1.7	1.9	1.6	2.3	2.8	2.1	2.4	2.4	1.5	0.8	0	0	2.4
3	0	0.5	0.3	0	0	0	0	0.4	1.8	2.4	3	3.3	3.2	3.7	3.7	3	2.8	2.4	1.6	2.2	1.5	2.1	2.2	2.1	1.8
4	2.4	2.1	2.5	3.4	2.7	2.8	3.1	3.8	4.8	5.4	5.5	5.6	5.4	5.4	5.7	5.7	4.4	2.8	2.1	2.1	2.3	2.7	3.4	2.2	3.7
5	5.3	1.9	0.8	1.8	2.3	3	3.5	4.2	5.1	6.4	6.1	5.9	5.7	5.3	4.4	4.7	4.5	3.5	2.2	1.5	1.3	1.4	0.9	0.7	3.4
6	0.2	0	0.3	0.9	0.8	1	1.4	2.4	3.3	3.5	3.8	3.6	3.9	5.7	5.8	5.3	5.6	4.3	3	2.4	2.5	2.2	2.4	2.4	2.8
7	1.8	1.4	1.8	2.3	2.1	2.6	2.9	3.2	4.1	5.1	5.5	5	5.4	5.1	5	4.3	4.8	3.9	3	2.4	2.3	1.2	1.7	2.3	3.3
8	2.5	2.5	2.6	2.7	2.5	2.6	2.9	4.2	6.5	6.9	6.1	6.6	7.7	6.8	5.8	5.3	3.9	3.7	2.5	2.8	3.7	3.5	3.2	3.1	4.2
9	2.8	3.3	3.9	3.7	4.1	4.2	4.6	4.9	6	7.1	6.8	8.4	8.5	8	7.7	8.5	8.1	7.5	7.2	8	8.8	8.1	7.6	6.8	6.4
10	5.6	5	5.3	5.1	5.4	5.4	6	7.3	7.9	7.3	7.3	8.6	8.9	9.5	9	9.6	9.2	10.7	10.1	8.4	7.5	6.5	4.7	4.3	7.3
11	5.6	5.8	5.4	4	4.4	4.9	4.8	5.2	5.4	5.4	5.7	4.9	5.5	5.9	6	5	4.1	5.6	5.1	5	4.1	3.6	3.4	1.3	4.8
12	0.5	1	1.4	1.5	2.3	1.9	2.2	2.9	4	4.8	5.2	4.4	3.7	3.8	3.7	4.2	4.5	4.3	1.5	0.7	0.5	0.3	0.3	0.2	2.5
13	0.1	0	0.4	0	0	0.4	0.1	0.4	2.4	2.7	4.4	3.7	3.9	3.7	4	3.5	3.4	3.5	2.7	1.8	1.4	1.2	1.1	0.6	1.9
14	1.1	1.3	1.2	1.1	1.2	1.5	1.7	2.3	3.8	5.8	5.9	5.9	6.2	5.5	4	4.6	4.1	3	2.4	2.1	2.3	1.9	1.9	2.2	3
15	2.2	2.2	2.6	2.3	2.3	2.3	2.1	2.8	4	4.9	5.1	4.6	5	4.9	4.7	4.4	3.9	3.3	3.6	2.6	2	1.9	1.8	2.3	3.2
16	2.3	2.5	3.5	2.6	2.9	2.8	2.5	2.5	2.6	2.8	1.8	1.5	2.5	4.2	5	5.7	4.1	2.5	3	2.6	2.6	2.3	2.1	2.5	2.9
17	1.6	2.8	1.1	0.7	0.4	1.1	1.4	2.7	4.2	4.5	4.2	4.3	4.3	4.9	4.6	4.3	3.2	2.7	1.5	0.1	0.1	0.6	0.6	0	2.3
18	0	0.3	0.2	0.9	0.6	0.5	0.7	0.8	1.6	2.6	4	3.3	3.7	3.5	4	4.4	4	3.9	4	2.9	1.5	0.2	1.7	1.1	2.1
19	0.4	0.8	0.9	0.6	0.8	1	1	1.4	3	3.3	3.1	3.5	3.8	4	4	4.1	4.4	4.2	3.1	2.4	2	1.9	1	0.2	2.3
20	0.1	0.2	0.2	1	0.7	0.8	1	1.5	2.9	3.1	2.7	2.3	3.5	4.2	4.7	4.8	5	3.6	2.3	2.8	2.4	1.4	0.5	0.2	2.2
21	0.4	0.2	0.2	0.2	0.1	0.1	0.3	0.8	0.7	1.3	2.5	3.5	4.7	4.9	5.2	5.5	4.5	3	2.6	2.8	2.1	2.2	1.2	1.1	2.1
22	0.5	1.3	1.1	0.9	0.9	1.4	1.1	1.8	2.4	3	3.9	3.9	4.6	5.6	5.5	4.3	3.9	3.7	2.6	1.5	1.5	0.5	0.3	0.3	2.3
23	0.3	0.3	0.3	0	0.5	1	0.6	1	4	6.3	6.5	6.7	6.1	5.8	6.2	6.3	6.2	5	5	4.3	3.6	3	3	2.5	3.5
24	2.4	2.4	3.9	4	2.9	3	2.6	3.3	4.1	4.5	4.2	3.9	3.9	3.8	4.3	4.3	4.7	4	2.4	3.6	3.3	3.1	2.3	1.6	3.4
25	1.9	1.7	2	1.8	2.3	2.2	3	3.9	5.6	6.8	6.2	6.2	6.4	6.5	6.5	6.3	6.2	6.3	5.8	5.6	5.2	4	4.5	4.6	4.6
26	5.1	4.8	5.1	4.5	3.6	4.2	2.8	2.5	3.7	4.4	4.4	3.2	3.3	3.9	2.8	2.7	2.5	2.3	1.6	2.1	1.8	2.6	1.4	1.2	3.2
27	1.1	1.7	1.3	1.9	2.9	3	3.4	5	6.7	7.7	9	7.6	7.2	8.4	8.5	8.2	6.7	6.3	6.2	5.6	6.4	6.6	5.7	6.2	5.6
28	5.3	5.1	4.1	3.3	2.8	2.4	1.5	2	2.8	5	5.7	6	5.8	6.3	6.1	5.2	4.3	3.2	2.5	2.7	2.3	1.9	1.4	0.9	3.7
29	1.2	1.7	1.9	1	0.9	1.4	1.5	2.9	3.5	4.9	5.2	5.5	5.3	5.7	5.7	6.4	5.4	4.7	3.7	2.5	1.2	1.4	1.6	1.6	3.2
30	1.7	1.8	1.3	1.5	1.4	1.7	1.7	2.4	4.2	5.7	4.8	4.7	4.7	4.7	4.2	4.3	3.9	3.8	2.8	2.3	1.8	1.1	0.6	0.1	2.8
Avg	1.9	2	2	1.9	1.9	2.1	2.2	2.8	3.9	4.7	4.8	4.7	4.9	5.2	5.1	5	4.6	4.1	3.4	3.1	2.8	2.4	2.2	1.9	3.3
S D	1.8	1.6	1.6	1.4	1.4	1.4	1.4	1.6	1.6	1.7	1.7	1.8	1.7	1.6	1.6	1.6	1.5	1.8	1.9	1.9	2	1.9	1.7	1.8	1.3
S/A	0.92	0.8	0.82	0.75	0.72	0.65	0.65	0.56	0.42	0.36	0.34	0.39	0.34	0.3	0.31	0.32	0.33	0.43	0.56	0.6	0.71	0.76	0.79	0.91	0.4
Min	0	0	0.2	0	0	0	0	0.4	0.7	1.3	1.5	1.2	1.7	1.9	1.6	2.3	2.5	2.1	1.5	0.1	0.1	0.2	0	0	1.8
Max	5.6	5.8	5.4	5.1	5.4	5.4	6	7.3	7.9	7.7	9	8.6	8.9	9.5	9	9.6	9.2	10.7	10.1	8.4	8.8	8.1	7.6	6.8	7.3
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2002

Station Pressure
Hourly and Daily Averages
Instrument: Viasala PTA-427
Millibars

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1018	1018	1017	1017	1018	1018	1018	1018	1018	1018	1018	1019
2	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1015	1015	1015	1015	1016	1016	1017	1017	1016	1016	1017
3	1016	1016	1016	1016	1017	1017	1017	1017	1017	1018	1018	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1016	1015	1016
4	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1015	1015	1014	1014	1013	1013	1012	1012	1012	1013	1013	1013	1013	1012	1014	
5	1013	1013	1012	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1014	1014	1015	1015	1015	1016	1016	1016	1014	
6	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1020	1018
7	1020	1020	1020	1020	1020	1020	1021	1021	1022	1022	1023	1023	1022	1022	1022	1022	1021	1021	1021	1022	1022	1022	1022	1022	1022	1021
8	1022	1022	1021	1021	1021	1021	1021	1022	1021	1022	1022	1022	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1021
9	1018	1017	1017	1016	1016	1016	1016	1015	1016	1015	1015	1014	1014	1013	1012	1011	1011	1011	1010	1010	1010	1009	1009	1008	1013	
10	1008	1008	1007	1006	1006	1006	1006	1005	1005	1004	1003	1002	1001	1000	999	998	998	998	998	998	999	999	999	999	1002	
11	1000	1000	1000	1000	1000	1000	1001	1001	1002	1002	1002	1002	1002	1002	1002	1003	1003	1005	1006	1007	1008	1009	1010	1010	1003	
12	1011	1011	1011	1011	1012	1012	1013	1014	1015	1016	1016	1016	1016	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1015	
13	1018	1018	1018	1018	1018	1018	1019	1020	1020	1021	1020	1020	1019	1019	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1019	
14	1019	1019	1019	1019	1020	1020	1020	1021	1021	1021	1021	1021	1021	1020	1020	1020	1020	1021	1020	1021	1021	1021	1021	1021	1020	
15	1021	1020	1020	1020	1020	1020	1021	1021	1022	1022	1021	1021	1020	1019	1018	1018	1018	1018	1018	1018	1018	1018	1017	1017	1019	
16	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1013	1013	1012	1011	1011	1011	1011	1011	1011	1012	1012	1012	1014	
17	1012	1012	1012	1013	1013	1013	1014	1014	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1015	1015	1014	
18	1015	1014	1014	1014	1015	1015	1015	1016	1016	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1015	1015	
19	1015	1015	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	
20	1016	1016	1016	1015	1015	1015	1016	1016	1017	1017	1017	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015	
21	1014	1014	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1014	1014	1014	1014	1015	1015	1015	1015	1014	
22	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1014	1014	1013	1012	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012	1013	
23	1012	1011	1011	1011	1012	1012	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1018	1017	1015	
24	1018	1017	1017	1017	1018	1018	1019	1019	1020	1020	1020	1021	1020	1020	1019	1020	1020	1020	1020	1021	1021	1021	1021	1021	1020	
25	1021	1020	1020	1020	1020	1020	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1018	1020	
26	1017	1017	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1014	1014	1013	1012	1012	1012	1012	1012	1012	1012	1011	1011	1014	
27	1011	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1008	1007	1006	1006	1006	1006	1006	1006	1007	1007	1007	1007	1007	1008	
28	1007	1007	1008	1008	1009	1009	1010	1011	1012	1013	1013	1014	1014	1014	1014	1014	1015	1015	1016	1016	1017	1017	1017	1017	1013	
29	1017	1017	1017	1017	1018	1018	1019	1020	1020	1020	1020	1020	1020	1020	1019	1019	1020	1020	1020	1021	1021	1021	1021	1021	1019	
30	1021	1020	1020	1020	1021	1021	1022	1022	1023	1023	1023	1023	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	
Avg	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1015	1015	
SD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	
Min	1000	1000	1000	1000	1000	1000	1001	1001	1002	1002	1002	1002	1001	1000	999	998	998	998	998	998	998	999	999	999	1002	
Max	1022	1022	1021	1021	1021	1021	1022	1022	1023	1023	1023	1023	1022	1022	1022	1022	1021	1021	1021	1022	1022	1022	1022	1022	1021	
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640	

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

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

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

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

Prepared by: Afshin M. Andreas, NREL