

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

April 2004

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	3	62	150	277 ?	140	178	168	190	345	374 ?	105 ?	155 ?	38	3	0	0	0	0	0	2189 ?	
2	0	0	0	0	0	3	32	169	331	394 ?	488 ?	513	503	258	160	198	89	19 ?	6	0	0	0	0	0	3160 ?	
3	0	0	0	0	0	1	24	117	192 ?	324	?	468 ?	268	125	333	264	120 ?	83 ?	15	0	0	0	0	0	2336 ?	
4	0	0	0	0	0	1	10	83	156	210 ?	?	*	*	*	*	*	*	*	*	*	0	0	0	0	0	460 *?
5	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	421 *
6	0	0	0	0	0	6	114	339	553	766	903	980	990	917	779	593	350	127	32	0	0	0	0	0	7449	
7	0	0	0	0	0	8	87	260	512	706	836	915	812	724	702	537	321	120	11	0	0	0	0	0	6550	
8	0	0	0	0	0	9	102	281	536	641	618	707	843	814	703	425	225	92	13	0	0	0	0	0	6008	
9	0	0	0	0	0	11	101	306	528	720	864	939	949	866	727	539	346	128	20	0	0	0	0	0	7044	
10	0	0	0	0	0	15	54	121	318	397	618	867	634	513	566	335	171	63	7	0	0	0	0	0	4678	
11	0	0	0	0	0	8	22 ?	76	180	255	275	573	834	699	565	263	129	26	3	0	0	0	0	0	3906	
12	0	0	0	0	0	3	19	79	123	63 ?	104	167	115	80	84	164	102	27	4	0	0	0	0	0	1136	
13	0	0	0	0	0	6	28	64	214	223	205	161	121 ?	?	86 ?	335	359	127	34	0	0	0	0	0	1962 ?	
14	0	0	0	0	0	5	54	251	291	546	460	491	530	370	199	75	89	38 ?	1	0	0	0	0	0	3400	
15	0	0	0	0	0	15	56	189	465	666	912	982	986	916	790	603	391	171	29	0	0	0	0	0	7173	
16	0	0	0	0	0	22	163	373	587	772	905	977	982	916	791	614	401	173	31	0	0	0	0	0	7708	
17	0	0	0	0	0	18	144	356	568	752	887	960	963	897	770	533	336	129	31	0	0	0	0	0	7345	
18	0	0	0	0	0	21	139	344	550	732	863	934	940	864	705	551	355	132	34	0	0	0	0	0	7165	
19	0	0	0	0	0	23	164	335	559	663	734	956	899	888	753	562	319	148	28	0	0	0	0	0	7032	
20	0	0	0	0	0	27	121	225	358	591	683	893	936	880	736	570	384	115	13	0	0	0	0	0	6533	
21	0	0	0	0	0	12	122	302	520	679	782	762	845	862	745	464	332	122	18	0	0	0	0	0	6567	
22	0	0	0	0	0	14	127	334	490	626	789	783	732	716	608	581	368	167	29	0	0	0	0	0	6362	
23	0	0	0	0	0	24	152	362	571	750	877	950	963	900	782	577	360	158	29	0	0	0	0	0	7456	
24	0	0	0	0	0	10	36	106	285	315	532	741	952	878	752	573	364	171	35	0	0	0	0	0	5752	
25	0	0	0	0	0	21	164	361	585	488	775	563	519	307	621	310	141	53	22	0	0	0	0	0	4930	
26	0	0	0	0	0	19	98	327	506	636	763	928	850	773	540	348	264	66	0	0	0	0	0	0	6117	
27	0	0	0	0	0	4	27 ?	82	66 ?	108	472	789	958	493	275	222	314	165	24	0	0	0	0	0	3997	
28	0	0	0	0	0	36	198	424	638	824	954	1025	1026	953	819	634	418	199	42	0	0	0	0	0	8191	
29	0	0	0	0	0	45	198	409	622	799	931	1006	990	914	785	549	335	108	31	0	0	0	0	0	7721	
30	0	0	0	0	0	25	202	400	536	739	769	887	728	859	647	416	486	165	55	0	0	0	0	0	6914	
Avg	0	0	0	0	0	14	97	249	418	535	673	753	752	694	586	426	286	113	21	0	0	0	0	0	5599	
S D	0	0	0	0	0	11	61	119	172	236	251	266	283	272	236	171	113	52	14	0	0	0	0	0	2047	
S/A	0	0	0	0	0	0.75	0.62	0.48	0.41	0.44	0.37	0.35	0.38	0.39	0.4	0.4	0.4	0.46	0.64	0	0	0	0	0	0.37	
Min	0	0	0	0	0	1	10	64	66	63	104	161	115	80	84	75	89	19	0	0	0	0	0	0	1136	
Max	0	0	0	0	0	45	202	424	638	824	954	1025	1026	953	819	634	486	199	55	0	0	0	0	0	8191	
n	0	0	0	0	0	179	339	345	331	323	317	329	327	322	324	333	335	330	210	0	0	0	0	0	4280	

Daylight Data Recovery: 4.7% missing; 3.2% exceed the 15% QC threshold -- 4717 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31256F3 Calibration Factor: 7.561 μV/W/m² Calibration Date: 08/2003

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

April 2004

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	1	0	0?	0	0	0	0	0	0	0	1?	0	1	0	0	0	0	0	4
2	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?
3	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?
4	0	0	0	0	0	0	0	0	0	0?	?	*	*	*	*	*	*	*	*	*	0	0	0	0	0*
5	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	732*	582	235	0	0	0	0	0	1549*
6	0	0	0	0	0	94	530	805	902	967	995	1001	1008	989	796	895	647	197	144	0	0	0	0	9969	
7	0	0	0	0	0	18	175	256	633	762	810	837	539	440	628	596	419	206	3	0	0	0	0	6322	
8	0	0	0	0	0	22	239	514	630	407	246	331	619	536	633	272	63	10	0	0	0	0	0	4521	
9	0	0	0	0	0	19	243	517	686	756	805	808	831	790	702	617	434	241	46	0	0	0	0	7497	
10	0	0	0	0	0	11	18	1	44	51	184	495	161	105	167	66	43	5	0	0	0	0	0	1352	
11	0	0	0	0	0	1	2	0	28	18	13	195	445	240	172	12	0	0	0	0	0	0	0	1126	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	6	
13	0	0	0	0	0	0	0	0	11	4	0	0	0	0	0	206	309	230	62	0	0	0	0	823	
14	0	0	0	0	0	0	62	228	41	259	287	98	47	27	0	0	0	0	0	0	0	0	0	1050	
15	0	0	0	0	0	1	1	6	258	546	921	909	901	873	860	781	707	530	185	0	0	0	0	7480	
16	0	0	0	0	0	144	518	750	856	910	934	939	936	921	893	849	753	540	195	0	0	0	0	10136	
17	0	0	0	0	0	107	469	691	798	856	891	899	891	882	845	573	448	216	106	0	0	0	0	8670	
18	0	0	0	0	0	70	368	590	702	771	808	816	818	747	584	593	504	195	61	0	0	0	0	7627	
19	0	0	0	0	0	66	333	409	580	417	456	769	699	778	738	590	331	211	59	0	0	0	0	6435	
20	0	0	0	0	0	33	225	145	134	273	259	658	772	772	682	622	584	176	10	0	0	0	0	5346	
21	0	0	0	0	0	2	117	246	499	486	492	331	525	666	627	207	301	64	2	0	0	0	0	4562	
22	0	0	0	0	0	1	177	342	340	356	473	429	344	423	454	663	534	371	77	0	0	0	0	4982	
23	0	0	0	0	0	63	360	588	711	774	804	819	819	777	741	627	492	314	68	0	0	0	0	7957	
24	0	0	0	0	0	0	0	1	13	4	51	100	432	591	633	562	411	287	62	0	0	0	0	3147	
25	0	0	0	0	0	40	372	545	667	102	414	74	23	0	209	17	0	2	19	0	0	0	0	2484	
26	0	0	0	0	0	4	113	248	465	355	333	573	471	495	287	106	180	0	0?	0	0	0	0	3630	
27	0	0	0	0	0	0	0	1	0	0	73	273	553	164	70	34	371	352	33	0	0	0	0	1923	
28	0	0	0	0	0	241	617	811	890	936	952	956	936	905	857	766	567	215	0	0	0	0	0	10604	
29	0	0	0	0	0	200	581	769	845	882	900	909	847	796	698	519	319	32	7	0	0	0	0	8306	
30	0	0	0	0	0	72	474	569	496	612	528	555	300	478	411	256	658	250	91	0	0	0	0	5748	
Avg	0	0	0	0	0	42	207	312	387	397	451	492	498	479	455	376	345	192	58	0	0	0	0	4704	
S D	0	0	0	0	0	63	211	300	344	358	366	366	355	357	330	318	268	191	72	0	0	0	0	3441	
S/A	0	0	0	0	0	1.51	1.02	0.96	0.89	0.9	0.81	0.74	0.71	0.75	0.73	0.85	0.78	0.99	1.24	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	
Max	0	0	0	0	0	241	617	811	902	967	995	1001	1008	989	905	895	766	582	235	0	0	0	0	10604	
n	0	0	0	0	0	179	348	345	339	330	320	331	333	334	334	335	338	340	208	0	0	0	0	4348	

Daylight Data Recovery: 4.6% missing; 1.7% exceed the 15% QC threshold -- 4717 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25521E6 Calibration Factor: 8.034 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 06/2002

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

April 2004

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	4	41	128	255 ?	142	183	175	188	310	314	89	141 ?	37	3	0	0	0	0	0	2010	
2	0	0	0	0	0	3	33	154	279	323 ?	412 ?	475	451	266	161	199	91	17	6	0	0	0	0	0	2868 ?	
3	0	0	0	0	0	1	24	119	209 ?	317	370 ?	430 ?	259	130	317	244	121 ?	33 ?	8	0	0	0	0	0	2583 ?	
4	0	0	0	0	0	1	11	85	153	207 ?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	458 ?	
5	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	51 ?	45 ?	?	0	0	0	0	0	0	?
6	0	0	0	0	0	?	?	?	66 ?	75	80	81	77	73	70	65	74	86	23	0	0	0	0	0	771 ?	
7	0	0	0	0	0	9 ?	66	147	158	147	155	154	293	317	218	171	137	72	10	0	0	0	0	0	2054	
8	0	0	0	0	0	8	61	82	183	329	386	377	246	327	219	244	196	91	13	0	0	0	0	0	2763	
9	0	0	0	0	0	10	56	110	140	166	178	194	179	194	167	163	77	17	0	0	0	0	0	0	1831	
10	0	0	0	0	0	18	56	127	296	361	445	407	475	408	432	291	156	63	7	0	0	0	0	0	3542	
11	0	0	0	0	0	8	21 ?	79	169	225	274	393	409	472	419	258	134	27	3	0	0	0	0	0	2893	
12	0	0	0	0	0	3	20	84	130	60	111	178	123	86	89	175	110	27	4	0	0	0	0	0	1199	
13	0	0	0	0	0	6	29	67	212	228	216	170	115 ?	?	67	236	224	66	30	0	0	0	0	0	1667 ?	
14	0	0	0	0	0	5	36	162	266	341	222	320	478	350	206	78	93	30	0	0	0	0	0	0	2588	
15	0	0	0	0	0	18	58	189	290	232	113	128	133	136	118	113	81	48	15	0	0	0	0	0	1672	
16	0	0	0	0	0	13	45	69	81	89	93	96	99	98	98	87	72	48	17	0	0	0	0	0	1006	
17	0	0	0	0	0	15	49	78	95	106	111	115	120	112	110	155	124	75	23	0	0	0	0	0	1287	
18	0	0	0	0	0	19	61	101	128	145	154	163	162	186	227	165	126	77	29	0	0	0	0	0	1743	
19	0	0	0	0	0	22	93	155	201	333	301	218	220	182	165	173	160	94	23	0	0	0	0	0	2338	
20	0	0	0	0	0	27	65	164	262	361	433	243	187	175	186	169	119	61	12	0	0	0	0	0	2465	
21	0	0	0	0	0	14	87	193	202	294	330	423	309	239	230	314	183	104	19	0	0	0	0	0	2942	
22	0	0	0	0	0	14	77	183	266	336	346	360	372	308	240	146	121	71	22	0	0	0	0	0	2861	
23	0	0	0	0	0	21	67	105	126	142	153	159	168	185	185	165	133	78	23	0	0	0	0	0	1708	
24	0	0	0	0	0	10	37	110	281	316	479	613	493	315	227	198	168	95	29	0	0	0	0	0	3372	
25	0	0	0	0	0	16	73	120	167	413	377	486	493	316	444	299	146	55	19	0	0	0	0	0	3423	
26	0	0	0	0	0	20	72	205	219	338	424	351	364	284	285	276	167	64	0	0	0	0	0	0	3070	
27	0	0	0	0	0	4	26	87	56	117	398	485	400	327	221	203	155	66	20	0	0	0	0	0	2566	
28	0	0	0	0	0	17	48	64	75	82	89	96	97	94	87	79	63	50	21	0	0	0	0	0	963	
29	0	0	0	0	0	26	52	68	84	95	104	116	149	163	200	187	172	98	31	0	0	0	0	0	1545	
30	0	0	0	0	0	17	70	137	197	230	275	334	412	390	294	253	173	84	42	0	0	0	0	0	2910	
Avg	0	0	0	0	0	13	51	120	181	226	258	276	267	238	215	186	133	63	17	0	0	0	0	0	2176	
S D	0	0	0	0	0	8	21	43	74	108	131	150	141	110	104	71	42	24	11	0	0	0	0	0	849	
S/A	0	0	0	0	0	0.6	0.42	0.35	0.41	0.48	0.51	0.54	0.53	0.46	0.48	0.38	0.32	0.38	0.62	0	0	0	0	0	0.39	
Min	0	0	0	0	0	1	11	64	56	60	80	81	77	73	67	65	51	17	0	0	0	0	0	0	458	
Max	0	0	0	0	0	27	93	205	296	413	479	613	493	472	444	314	224	104	42	0	0	0	0	0	3542	
n	0	0	0	0	0	164	332	333	336	329	320	331	328	322	330	334	339	331	205	0	0	0	0	0	4324	

Daylight Data Recovery: 0.0% missing; 8.1% exceed the 15% QC threshold -- 4717 total daylight measurements.

Instrument: Eppley PSP Serial Number: 17880F3 Calibration Factor: 8.067 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 07/2002

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

April 2004

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	7.8	7.9	8.3	7.8	7	7	7.5	8.1	9.2	9	9.1	9.8	10.8	11.9	12.6	12.5	11.7	11.7	11.5	12.2	12.1	12.1	11.5	10.8	10
2	9.6	8.8	8.5	8.6	8.3	7.9	7.7	8.3	9.4	10	10.8	11.3	11.9	12	11.4	12	11.8	11.2	10.4	9.7	8.9	8.2	7.9	7.7	9.7
3	7.4	7.3	7.3	7.3	7.3	7.1	6.8	7.3	8.7	9.3	11	12.9	13.1	12.3	12.7	13	13.1	13.4	12.4	11.1	9.8	9.4	9.8	9.4	10
4	9.6	9.4	9.2	9.3	9.5	10.3	10.9	11.6	12	12.6	13.6	15.6	16.4	16.4	15.2	15.4	14.4	13.4	12.1	11	10.3	9.3	8	6.9	11.8
5	5.9	4.8	3.9	3.4	3.1	2.8	3	4.6	5.9	6.8	7.7	8.6	9.4	10.3	11	11.4	11.8	11.6	10.4	9.3	8.5	7.8	6.9	5.7	7.3
6	4	3.8	3.3	1.8	1.5	1.3	1.9	3.9	7.1	9.1	10.3	11.8	13	14.8	15.8	16.3	16.4	16.2	15.3	13.4	12.5	10.9	9.8	9.8	9.3
7	10.1	10.1	9.6	9.2	9	8.5	8.9	10.7	13	15.4	18.6	20.5	21.3	21.8	23.1	23.7	24.1	23.7	22.3	20.4	18.9	17.7	16.7	16	16.4
8	16.2	15.4	15.2	14.8	14.1	13.1	13.2	14	15.9	17.5	19.6	20.2	21.5	22.9	24.7	24.3	23.1	22	20.5	19.7	18.8	14.6	12.4	10.7	17.7
9	10.3	10.1	9.3	9.4	9.3	8.8	9	10.4	12.2	14.1	15.9	16.9	18.3	19.3	20.3	20.9	17.6	16.1	14.6	13.1	12	11.6	11.3	10.2	13.4
10	10.1	9.5	9	8.9	9.6	9.8	10.8	12.2	13.9	15.8	17.2	17.8	17.9	17.7	17.5	17.2	16.3	14.7	13.6	13.9	13.3	13.6	14.4	13.7	13.7
11	15.1	15.6	16	16	15.7	15.8	16.4	17.1	18.2	18.5	19.6	20.8	21.9	22.5	21.5	17.6	14.8	12.5	11.1	10	9.4	9.2	8.7	8.5	15.5
12	8.4	8.3	8.3	8	8.2	8.2	8.4	8.8	9.5	9.4	9.5	9.9	10.2	10.6	11.2	12	13	14.4	17.9	19.3	19.3	19.4	19.5	19.6	12.1
13	19.5	19.4	19.4	19.5	19.3	19.5	20	20.3	21.7	22.7	22.9	23	21.7	20.3	19.9	21.3	22.7	22.6	21.8	20.7	19.8	19.1	18	17	20.5
14	16.7	16.2	15.9	15.6	15.5	14.9	13.2	13.6	13.7	14.4	14.4	12.9	13.2	12.2	11.1	11	11.1	11.3	10.8	9.3	9.2	8.6	8.1	7.9	12.5
15	7.6	7	6.5	6.6	6.9	7.1	7.7	8.6	10.3	11.4	12.8	14	15	15.8	16.1	16.5	16.3	15.4	13	10.2	9.1	8.1	7.6	6.7	10.7
16	6.6	6.2	6.5	6.3	6.2	5.8	7.4	10.1	11.6	13.1	14.3	15.8	16.4	16	15	14.2	13.8	13.5	11.9	10.5	10	10.1	10	9.7	10.9
17	9.9	9.8	9.9	10	10.2	10.4	11.6	14.4	16.8	18.6	20.5	22.3	23.8	25	25.5	25.7	25.5	23.5	21.2	19.9	18.8	17.9	17.2	16.8	17.7
18	16.5	16.1	16	15.7	15.2	15	15.8	17.4	19.1	20.7	22.6	24.6	26.1	27.4	27.5	28.1	27.9	26.5	23.4	21.3	20.4	19.4	18.6	18.3	20.8
19	18	17.4	16.8	16.5	16.1	15.9	16.7	18.1	19.4	21.3	22.5	24.2	25.6	26.7	27.7	27.9	27.6	26.3	23.4	21.7	20.5	19.8	19.1	18.5	21.2
20	17.9	17.5	17.2	16.7	16.8	16.8	17.2	18.2	19.9	22.6	24.4	26.4	26.7	27.2	27.4	26.6	26	24.5	22.2	20.5	19.3	18.8	18.4	17.9	21.1
21	17.6	17.5	17.1	16.9	16.7	16.9	17.3	18.9	20.3	21.6	23.5	25.3	26.6	27.6	28.3	27.4	26.4	24.6	22.9	21.7	21.2	20.5	19.8	19.5	21.5
22	19.3	18.9	18.6	18.4	18.1	18	18.4	19.8	21.2	22.1	23.3	24.4	25.3	26	26.3	26.7	26	24.7	23.2	22.1	21.3	20.4	19.6	19.1	21.7
23	18.9	18.7	18.4	18.1	17.7	17.7	18.4	19.8	21.4	23.2	24.6	26.1	27.4	28	28.7	28.7	28.7	28.2	25.5	24	22.9	21.9	21.1	20.7	22.9
24	20.3	19.9	19.6	19.2	18.9	18.8	19.1	19.6	20.1	19.2	18.7	18.9	19.3	19.8	19.8	19.2	18.6	17.8	16.4	15.2	14.8	14.7	14.1	14.1	18.2
25	14.4	14.1	13.9	13.7	14.2	14.6	16.2	18	19.9	20.4	20.6	21.3	21.2	20.7	21.1	21.2	21.6	21.5	20.5	19.9	20	19.9	20	19.8	18.7
26	19.9	20.2	20.3	20.1	20	19.6	19.9	21	22.5	23.4	24.2	25.2	25.9	26.4	26.8	26.4	25.5	23.1	17.7	15.5	14.6	14.5	14.5	14.5	20.9
27	14	13.7	13.6	13.6	13.4	13.4	13.5	13.9	14.2	12.9	14.5	17.9	18.7	19.2	18.8	18.6	19.6	19.5	18.1	15.2	13.8	13.5	12.7	11.9	15.3
28	10.8	10	9	8.5	7.5	6.3	7.1	9.4	10.5	11.8	13	13.8	14.7	16.2	17.1	17.7	18.7	16.5	14.6	13.1	12.4	12.5	12.4	12.1	12.3
29	12.2	12.1	11.7	11.6	10.4	10.2	13	15.8	17.3	18.6	19.3	20.3	21.2	21.5	21	21.8	21.9	20.5	19.2	18.2	17.6	17.1	16.7	16.3	16.9
30	15.9	15.6	15.5	15	15	15.1	16.1	18.6	19.9	20.9	21.4	22.2	22.5	23	23.4	23.2	23.6	22.4	21.2	20.1	19.4	19.1	18.7	18.2	19.4
Avg	13	12.7	12.4	12.2	12	11.9	12.4	13.7	15.2	16.2	17.4	18.5	19.2	19.7	19.9	20	19.6	18.8	17.3	16.1	15.3	14.6	14.1	13.6	15.7
S D	4.9	4.9	5	5	5	5.1	5.1	5	5	5.1	5.3	5.4	5.5	5.7	5.9	5.8	5.7	5.3	4.8	4.8	4.7	4.6	4.6	4.7	4.6
S/A	0.37	0.39	0.4	0.41	0.42	0.43	0.41	0.37	0.33	0.32	0.3	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.3	0.31	0.31	0.33	0.35	0.29
Min	4	3.8	3.3	1.8	1.5	1.3	1.9	3.9	5.9	6.8	7.7	8.6	9.4	10.3	11	11	11.1	11.2	10.4	9.3	8.5	7.8	6.9	5.7	7.3
Max	20.3	20.2	20.3	20.1	20	19.6	20	21	22.5	23.4	24.6	26.4	27.4	28	28.7	28.7	28.7	28.2	25.5	24	22.9	21.9	21.1	20.7	22.9
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.

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

April 2004

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	?	?	?	?	?	?	?	100.7 ?	95.7	96.6	98.1	94.4	87.6	82.9	84.1	84.1	92.6	92.7	91.2	79.1	74.4	73.5	72.6	72.2	86.6 ?	
2	78.7	78.4	78.6	77.8	78.5	81.5	83.7	82.1	74.6	65.4	63.3	62.9	61.5	61.9	64.2	63	64.3	67.8	73.6	82.3	86.5	90.6	94.3	96	75.5	
3	97.6	98.7	98.9	98.9	98.3	98.6	100	98.5	89	85.8	79.2	70.3	67.7	72.2	70	65.5	62.5	61.1	66.2	73.1	81.4	84.4	87	92.3	83.2	
4	86.1	85.8	86.5	85.1	85.9	81.9	79.9	74.7	60.6	46.9	38	35.9	34.3	33.8	34.6	32.6	33.6	36.8	39.4	40	40.4	39	43.9	43.2	54.1	
5	48.6	54.2	58.4	60.6	61.6	63.3	61.5	52.8	40.9	34.7	30.9	27	24.1	22.8	21.2	19.5	19.1	21.2	24.5	27.5	30	32.4	35	39.4	38	
6	45.4	47.2	48.7	54.9	57.1	58	55.9	49	40.1	29.6	24.9	23.5	19.9	19.4	19.8	20.4	22.1	25.6	30.4	39.3	45.3	65	78	81.4	41.7	
7	75.7	75.2	75.7	77.3	75.7	78.4	76.8	71.1	61.2	53.6	40.1	32.9	31.4	32.3	31.7	32.7	35.1	38	41.4	48.1	55.1	67.5	76.4	80.4	56.8	
8	76.8	77.9	75.4	74.4	75.6	79.3	79.9	71.1	67.1	66.9	60.8	59.8	59.6	60.2	52.8	56.6	58.9	67.7	80.7	87.2	89.4	91.5	96.9	98.8	73.6	
9	99.9	99.9	101.5	101.4	98.6	95.9	93.9	88.5	82.6	74.1	64.8	58.3	51.8	48.5	47.8	45.4	64.7	73.4	76.8	84.9	90.1	93.1	94.9	98.2	80.4	
10	97.7	99.3	102.3	101.8	100.8	100.9	101.2	95.4	83.5	69.5	60	55.2	51	52.6	53.8	56.8	59.7	66.8	72.1	76.5	86.3	87	94	100.8	80.2	
11	100.8	99.2	98.2	98.4	100.2	100	99.2	98.6	95.7	97.2	95.2	92.3	84.3	80	81.7	89	94	99.3	102.1	103	103.3	103.6	103.1	103	96.7	
12	103.6	104.7	105 ?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	100.8 ?	99.5	101.3	100.8	100.3	100.6	101.8 ?
13	101.9	103.2	104.4	104.6	104.9 ?	?	?	104.8 ?	101.9	98.4	96.7	95.7	100.2	104.2	104.5	101.4	95.5	93.2	90.1	88.5	85.1	91.2	96.2	98.6	98.4 ?	
14	98.1	98.3	99.2	100.7	100.6	87.6	83.5	82.7	81.7	72	70.6	80.4	75.9	79.7	83.7	83.3	84.4	84.5	90.7	103.6	103.7 ?	103.1	103.1	103.3	89.8	
15	102.7	102.6	100	99.4	96.6	94.1	87.5	83.8	70.1	59.7	55.3	49.2	43.7	40.3	41.8	35.8	41.7	47.3	61.6	80.1	86.2	92.7	94	97.5	73.5	
16	98.8	100.2	100.8	101.3	100.1	98.8	88.1	70.4	57.1	48.2	43.3	44.5	45.1	49.3	55.7	56.3	60.6	66	73.1	80.1	83.8	86	84.4	87.4	74.1	
17	86.2	86.6	86.7	88.6	92.6	94.7	93.5	84.1	74	68.3	62	55.8	49.3	45	44.8	43.1	44.7	59.4	71.3	76	81.2	83.3	85	87	72.6	
18	87.7	88.2	86.8	87.3	90.3	93.3	90.8	83.5	75.9	69	63.4	56.9	52.4	50.3	50.8	49.1	48.6	54.9	75.6	83.3	83.1	83.3	81.3	77.7	73.5	
19	74.8	78.9	84.5	87.2	90.7	94.8	93.4	87.1	81	73.1	69.4	62.4	56.3	51.8	48.2	45.7	45.4	54.1	72.5	78	80.1	80.9	80.9	82.5	73.1	
20	82.7	82	82	84.8	85.2	87	85.5	82.7	77.9	69.3	62.6	53.2	53.3	49	51.1	54.4	56.2	60.8	71	77	82.8	90.7	91.8	96.5	73.7	
21	100.7	103.4	104.7 ?	?	?	104.8	104.3	99	92.9	85.6	75.6	65	59.7	55.8	50.5	55.5	61.2	68.1	75.6	82.2	83.5	86.6	89.7	92.5	81.7 ?	
22	95.9	97.7	96.8	96.4	98.2	99.6	99.6	96.1	90.8	85.1	76.9	71.5	67.3	62.1	59.1	56.9	60.9	63.7	68.2	73	77.7	82.2	91.2	94.2	81.7	
23	93.9	94.9	95.9	96.8	97.8	97.6	96.1	92.7	86.8	80.3	73.8	66.6	59.4	56.2	51.3	48.1	49	54.2	76.3	81.4	83	86.9	91.5	93.9	79.3	
24	94.6	94.8	95.7	97.2	98.6	100.2	101.1	100.4	92.8	94.1	93	87.5	80.8	71.4	65.5	65.9	66	65.5	67.5	74.4	79.1	78.6	83.3	83.3	84.6	
25	82.7	84.9	93.1	97.1	99.4	100.2	94.2	80	67.8	59.7	58	62.7	65.8	70.1	71.5	76	76.2	77.6	81.9	85.8	86.4	90.2	93	96	81.3	
26	96.5	96.3	97.5	100	101.6	103.3	102.8	99	89.3	82.5	76.6	71.7	66.1	60.1	56	61.1	71.9	85.9	102.6	104.9 ?	105 ?	104.9	105 ?	?	88.7 ?	
27	?	?	?	?	?	?	?	104.8 ?	104	104.6 ?	99	77.1	70	64	73.2	72.5	53.1	46.7	51.7	66.7	71.7	69.5	71.1	69.4	74.7 ?	
28	70.5	72.5	78.9	76.7	72.5	80.6	85.1	70.2	59.3	50.9	45.6	43.3	39.6	37.8	37.8	35.7	35.1	58.3	75.2	83.8	87.1	88	87.2	89.1	65	
29	85.8	85.1	88.6	92.3	97.6	99.1	89.8	78.5	66.6	63.1	61.3	57.7	56.9	60.6	67.7	63.3	60.6	66.5	71.4	75.7	79.7	83.4	86.8	88.9	76.1	
30	91.6	94.9	96.9	99.3	100	99.9	97	85.6	75.1	68.7	62.9	61	59.8	61.2	58.7	58.2	58.4	66.3	75.2	79.8	83.9	88.3	94.1	96.8	79.7	
Avg	87.7	88.7	90.1	90	90.7	91.3	89.4	85.1	77.1	70.8	65.6	61.2	57.7	56.4	56.3	56.1	57.8	62.9	71.7	77.2	80.2	83.3	86.2	87.6	76.3	
S D	14.9	14.3	13.8	13	12.9	12	11.9	14.3	16.4	18.7	19.7	18.8	18.4	18.4	19	19.5	19.4	18.7	19.1	18.1	17.3	16.2	15.4	15.6	14.4	
S/A	0.17	0.16	0.15	0.14	0.14	0.13	0.13	0.17	0.21	0.26	0.3	0.31	0.32	0.33	0.34	0.35	0.34	0.3	0.27	0.23	0.22	0.19	0.18	0.18	0.19	
Min	45.4	47.2	48.7	54.9	57.1	58	55.9	49	40.1	29.6	24.9	23.5	19.9	19.4	19.8	19.5	19.1	21.2	24.5	27.5	30	32.4	35	39.4	38	
Max	103.6	104.7	105	104.6	104.9	104.8	104.3	104.8	104	104.6	99	95.7	100.2	104.2	104.5	101.4	95.5	99.3	102.6	104.9	105	104.9	105	103.3	101.8	
n	336	335	318	312	305	312	312	325	348	345	348	348	348	348	348	348	348	348	356	352	346	360	350	348	8145	

Data Recovery: 0.0% missing; 5.7% 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

April 2004

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	8.2	8.2	8.3	7.8	6.8	6.4	6.3	7.3	8.6	10.2	10.1	10.3	10.5	12	13.2	14.2	12.5	11.8	10.9	10.3	10.8	11.3	11.5	11.2	9.9
2	10.5	9.3	8.3	8	8.1	8	7.7	7.9	9.4	10.8	12.4	13.7	14.2	14.6	13.7	13.3	13.2	12.5	11.5	10.4	9.5	8.7	7.9	7.5	10.5
3	7.4	7.3	7.3	7.3	7.3	7	6.8	6.9	8.1	9.9	11.6	14.4	15.8	15	14.1	14.6	14.5	14.5	13.7	11	8.7	7.6	7.5	7.6	10.2
4	7.5	7.8	7.9	7.6	7.9	8.7	9.7	10.4	11.5	12.4	14.7	16.4	17.8	18.6	18.5	17.8	17.3	15.6	13.7	11.6	10.1	9.3	8	6.7	12
5	5.5	4.3	3.1	2.2	1.6	1.3	1.2	3.1	5.9	8.6	9.8	10.6	11.3	11.8	12.5	13.1	13.2	13.5	12.1	9.4	7.4	6.2	5.3	4.2	7.4
6	2.8	1.6	0.9	0.3	-0.4	-0.8	-0.7	2	8.2	13.8	13.8	14.3	15.1	15.9	17.8	18.4	18.9	18.1	16.7	14	11.4	10.2	9.2	8.5	9.6
7	8.5	8.8	8.6	8	7.7	7.5	7.6	9.1	12.4	16.6	20	22.9	23.8	24	24.6	25.5	25.8	25.4	23.7	21.3	19.1	17.9	16.9	15.6	16.7
8	14.6	14.6	14	13.6	13.2	12.1	11.4	13	15.9	18.8	21.6	23.2	24.5	25.3	26.7	27.5	26.4	24.6	22.7	21	19.8	17.9	15	12.7	18.8
9	11.1	10.4	9.8	9.5	9.3	8.5	8.2	9.6	12.2	15	17.3	19	20.2	21.2	22.5	23.7	23.6	21	17.8	14.9	12.7	11.3	10.3	9.4	14.5
10	8.3	7.6	7.2	6.9	7.3	8	8.7	10.1	12.4	15.5	18.1	20.1	21.1	21.1	20.6	20.5	19.4	17.7	15.7	14.6	14.1	13.9	13.5	13.5	14
11	13.8	14.1	14.5	14.7	14.8	14.9	15.4	15.8	16.4	17.8	19.3	21.2	23.1	24.9	26	24.2	20.5	17.1	14.3	12.4	11.1	10.3	9.8	9.3	16.5
12	9	8.7	8.4	8.3	8.2	8.2	8.3	8.6	9.2	9.7	9.8	10.1	10.5	11	11.3	11.9	12.7	13.5	14.7	16.9	18.2	18.5	18.6	18.7	11.8
13	19	19.1	19.2	19.3	19.4	19.4	19.7	20	20.5	21.9	23.2	23.6	23.3	21.8	20.6	20.4	22	23.9	23.5	21.9	20.8	19.7	18.7	17.3	20.8
14	16.4	16.2	15.9	15.7	15.5	15.3	14.5	14	14.9	15.7	17.1	16.3	15.7	15.4	14.3	13	12.2	11.9	11.6	10.5	9.7	9.1	8.5	8	13.6
15	7.7	7.4	6.7	6.2	6	5.9	6.2	7.4	9.5	11.9	13.8	15.5	16.5	17.1	17.8	18.6	18.9	18.5	16.6	12.7	9.5	7.2	5.6	4.7	11.2
16	4.2	4	4.1	4.3	4.2	4.1	4.4	7.3	10.9	13.9	16.6	18.5	19.7	19.8	19.3	18.5	17.8	17.2	15.3	12.1	10	9	8.7	8.3	11.3
17	7.9	7.7	7.7	7.7	8	8.3	9.3	12.3	15.9	19	21.5	23.7	25.1	26.1	27.2	28.1	28.2	27.2	24.5	21.5	19.5	18.2	17.1	16.3	17.8
18	15.8	15.4	15.1	14.9	14.6	14.1	14.4	16.5	18.9	21.1	23.3	25.6	27.4	28.5	29.7	30.5	30.9	30.2	27.3	23.9	21.3	19.9	18.7	17.8	21.5
19	17.4	17	16.5	16	15.6	15.1	15.5	17.4	19.7	22	23.8	25.4	26.8	27.7	28.9	29.9	30	29	26.8	23.7	21.6	20.3	19.5	18.6	21.8
20	17.9	17.3	16.9	16.5	16.1	16.1	16.5	17.8	19.2	22	25.4	28.6	30.2	30.6	30.9	31	30.4	29	25.7	22.6	20.5	19.1	18.3	17.6	22.3
21	17.1	17	16.9	16.6	16.4	16.3	16.5	18	20.4	23.2	25.4	27.2	28.5	29.3	30.3	30.8	29.9	28.3	25.7	23.4	21.8	20.9	19.9	19.2	22.4
22	18.9	18.5	18.2	17.9	17.5	17.2	17.3	19.1	21.3	23.3	24.7	26.2	27.3	28	28.6	29.3	29.5	28.6	26.4	23.7	21.9	20.7	19.7	19	22.6
23	18.4	18.1	17.8	17.4	17	16.8	17.3	19.3	21.7	24	26.1	27.8	29	29.8	30.7	31.5	31.4	31	29.1	26.1	24	22.8	21.6	20.7	23.7
24	20.2	19.7	19.4	18.9	18.6	18.5	18.6	19.1	20.1	21.4	21.5	22.3	23.1	23.5	23.8	23.6	23.1	21.9	19.6	16.8	14.9	13.9	13	12.3	19.5
25	12	12.2	11.8	11.6	11.6	12	13.2	16.3	19.6	22.3	22.9	24	24.5	24	23.5	23.9	23.4	22.8	22	20.7	20.2	20.1	20.1	20	18.9
26	19.6	19.8	20.1	20.1	20	19.7	19.5	20.5	22.9	24.9	26.3	27.3	28.2	28.7	29.3	29.2	28.9	26.7	23.2	18.9	16.5	15.3	14.8	14.6	22.3
27	14.4	14	13.7	13.5	13.5	13.4	13.4	13.7	14.2	14	13.8	17	21	22.5	22.1	21.2	20.6	21	19.8	17.4	13.9	12.7	12.3	11.7	16
28	10.6	9.3	8	7	6.4	5.3	5.6	8.4	11.5	13.6	15.3	16.7	17	17.6	19.2	20.5	21.7	21.7	18.8	15.2	12.8	11.6	11	10.4	13.1
29	10.1	9.9	9.4	9.1	9	8	9	13.3	17.4	20.2	22.2	23.1	23.6	24	24.2	24.5	24.8	23.8	21.4	19.4	17.9	16.9	16.1	15.5	17.2
30	14.8	14.3	14	13.7	13.3	13.2	13.9	17.1	20.2	22.4	24.3	25.2	25.7	26	26.7	26.6	26.6	26.5	24.1	21.7	19.7	18.8	18.3	17.6	20.2
Avg	12.3	12	11.7	11.3	11.1	11	11.2	12.7	15	17.2	18.9	20.3	21.4	21.9	22.3	22.5	22.3	21.5	19.6	17.3	15.7	14.6	13.8	13.2	16.3
S D	5	5.1	5.3	5.3	5.4	5.4	5.4	5.2	5	5	5.3	5.6	5.7	5.8	6.1	6.2	6.2	6	5.5	5.1	5	5	5	5	4.8
S/A	0.41	0.43	0.45	0.47	0.48	0.49	0.48	0.41	0.33	0.29	0.28	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.32	0.34	0.36	0.38	0.3
Min	2.8	1.6	0.9	0.3	-0.4	-0.8	-0.7	2	5.9	8.6	9.8	10.1	10.5	11	11.3	11.9	12.2	11.8	10.9	9.4	7.4	6.2	5.3	4.2	7.4
Max	20.2	19.8	20.1	20.1	20	19.7	19.7	20.5	22.9	24.9	26.3	28.6	30.2	30.6	30.9	31.5	31.4	31	29.1	26.1	24	22.8	21.6	20.7	23.7
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: 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.

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

April 2004

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	0.1	0.2	0	0.8	0.2	1	3.8	3.3	4.5	4.1	3.9	5	5.2	2.6	3.4	0.7	1.8	0.7	2.7	2.4	2.9	2.5	2.3	2.3
2	2.2	2.5	2	2.1	2.7	2.7	2.7	3	3.7	4	3.9	3.7	3	3.1	2.1	1.8	1.3	2	1.9	1.2	1.9	1.7	1.8	2.3	2.5
3	1.6	1.4	2.3	2	1.6	1.5	1.5	2	2.9	3.1	3.5	2.9	2.9	2.8	3.2	4.3	3.5	2.9	0.8	0.1	0.3	0.5	1.5	1.5	2.1
4	2.5	2.5	0.7	1.7	2	3.1	3.7	3.9	4.4	4.7	5.6	3.6	3.4	3	3.2	2.8	3.1	2.6	3.5	3.4	4.1	5.1	4.2	4.2	3.4
5	3.6	2.6	2.5	3.3	3.5	2.6	2.5	4.1	6.1	6.1	5.9	5.6	5.6	5.2	5.2	5.7	4.6	4	3.6	2.4	2.3	2.1	1.9	1.3	3.9
6	1.5	1.4	1.7	1.6	2.1	1.5	1.8	2.1	2.4	4.1	4.2	3.4	3.8	2.8	3.3	3.7	4	2.7	1.4	0.6	1.1	2.2	2.5	3	2.4
7	2.8	2.7	2.4	1.9	2.8	2.4	3.2	3.2	3.1	2.6	1.7	3	3.9	3.5	4	4.9	4.6	3.3	2.4	1.2	2.2	2.3	1.6	0.2	2.7
8	1	1.3	1.7	2	0.8	0.3	1.4	1.9	2.4	2.3	2	2.1	3.3	2.7	4.2	4.6	4.3	3.9	3.4	1.9	0.8	1.8	2.4	2.5	2.3
9	0.8	1.4	3.8	3.5	2.3	2.2	2.1	3	2.7	4	4.2	4.2	3.3	2.9	2.4	1.9	3.9	3.2	2.7	2.5	1.8	1.3	0.6	0.4	2.5
10	0	0.2	0.4	0.3	0.1	0.3	1.1	0.9	1.1	2.2	2.8	4.1	3.9	4	4	3.6	3.9	3.3	2.5	2.2	2	1.2	1.6	0.7	1.9
11	2.4	4.8	2.3	1.9	1.5	1.8	1.8	3.2	3.4	2.6	3.3	3	3.6	2.8	3.2	4.2	3.8	4.4	4.7	4.3	4.5	3.6	3.4	3.5	3.3
12	3.8	2.8	3	3.5	2.6	3.2	3.3	3.6	3.2	3.2	3	3.4	3.3	3.3	1.9	1.4	0.8	1.2	3.6	5.3	4.6	4.6	4.5	5	3.2
13	4.1	3	2.1	1.6	1.4	2.5	2.7	2.9	5.1	5.8	6.4	6.4	6.1	5.5	5.3	5.8	5.2	4.3	3.3	3.7	1	1.3	1.8	0.5	3.7
14	0.9	0.6	1.2	1.3	2.9	5	4.9	3	3.7	3.6	3.4	5.7	5.5	5.7	4.2	2.7	3.1	2.5	3	2.8	3.5	2.7	3.2	2.9	3.2
15	2.8	3.2	4	2.9	2.7	1.7	2.5	2.2	4.2	5.8	5.2	4.8	5.6	5.2	4.6	4.9	3.9	3.3	2.8	2.3	0.6	0.1	0.3	0.5	3.2
16	0.8	1.2	1.5	1.2	1.6	1.5	0.8	2.8	2.8	2.1	2.2	1.8	2.6	3.4	4.1	4	3.7	3	2.1	2.2	2.1	2.4	1.8	1.5	2.2
17	1.3	1.4	1.4	1.8	1.9	2.3	2	2.9	3.4	3.2	3.2	3.2	4.1	4.1	4.2	4.5	4	4.7	3.5	3.6	3.5	3.5	3	2.9	3.1
18	3.4	3	3.2	3	2.5	3.1	3.4	4.1	5	5	3.9	3.2	3.6	4	4.4	3.8	3.4	3.3	3.5	3.1	3.2	3.1	3.1	3.2	3.5
19	3.3	3.1	3.1	3	2.6	3	3.7	4	4	4	4.3	5.6	5.1	5.3	4.9	5.6	5.3	4.5	4.3	4.1	3.9	4.1	4.5	4.2	4.1
20	3.7	3.8	3.3	2.8	3.4	2.8	2.7	3.3	2.7	1.7	1.1	2.1	2.1	2.9	3.1	3.5	3.3	2.7	2.9	3.2	2.8	2.5	2.1	1.8	2.8
21	2	1.8	1.8	0.9	1.8	1.8	2	2.8	2.9	3.2	3.2	3.8	4.5	4.5	4.8	5.8	5.9	4.7	5.1	4.3	4.3	4.2	3.6	3.9	3.5
22	3.6	2.8	3.2	3	2.1	1.8	2.3	3.4	4.4	5.7	5.9	4.8	4.1	4.4	4.2	4.9	4.8	5.2	4	3.6	3.9	3.4	3.6	3.2	3.8
23	3.1	2.9	2.3	1.9	2.1	2.3	2.8	3.9	4.7	4.3	4.4	4.6	4.7	4.7	4.5	4.8	4.1	3.3	3.5	3.5	3.4	2.8	2.9	3.2	3.5
24	2.9	2.3	1.4	1.2	0.5	0.5	0.8	1.4	2.8	3.4	3.8	3.9	4	3.9	4.2	4.2	3.8	3.3	2.4	2.4	1.9	1.5	0.7	0.6	2.4
25	1.3	0.4	0.5	0.8	0.9	1.2	2.4	2.9	2.8	4.1	4.2	3.8	4.2	3.7	5	4.5	4.2	3.8	3.6	2.4	3.7	3.1	3	3.1	2.9
26	3.9	3.8	3.5	2.9	2.2	2.1	2.6	3.2	4.7	5.1	6.4	5.5	5.4	4.7	4.2	4.5	5.7	4.4	2.9	2.5	2.3	1.5	1.4	1.3	3.6
27	0.7	0.1	0	0.2	0.8	0.5	0	0	0.7	2.1	1.5	0.9	1.6	1.4	2.1	2.7	4.8	3.7	2.4	4.2	3.6	2	2.3	2.4	1.7
28	2.6	1.7	1.3	1.8	1.5	1.1	1.5	1.7	2.9	3	2.7	3.1	2.8	2	1.7	1.5	1	2.6	3	2.7	2.8	2	1.2	1.4	2.1
29	1.5	0.9	0.9	1.2	0.2	0	0	0.7	2.1	2.2	3	3.3	3.8	3.8	4.8	3.4	3.7	4.8	4.4	3.5	2.9	2.1	2.4	1.8	2.4
30	1.4	1.7	1.3	1	1.1	0.9	1.5	2.5	2.9	3.2	3.2	3.4	3.6	3.5	3.3	3.9	4.1	4.2	3	2.3	2.3	2.5	2.2	1.3	2.5
Avg	2.2	2	2	1.9	1.8	1.9	2.2	2.7	3.4	3.7	3.7	3.8	3.9	3.8	3.8	3.9	3.7	3.4	3	2.8	2.7	2.5	2.4	2.2	2.9
SD	1.2	1.2	1.1	1	0.9	1.1	1.1	1	1.2	1.2	1.4	1.2	1.1	1.1	1	1.2	1.3	1	1	1.1	1.2	1.2	1.1	1.3	0.7
S/A	0.56	0.58	0.55	0.52	0.49	0.61	0.51	0.38	0.34	0.34	0.37	0.33	0.27	0.28	0.27	0.31	0.35	0.28	0.34	0.4	0.45	0.47	0.46	0.58	0.23
Min	0	0.1	0	0	0.1	0	0	0	0.7	1.7	1.1	0.9	1.6	1.4	1.7	1.4	0.7	1.2	0.7	0.1	0.3	0.1	0.3	0.2	1.7
Max	4.1	4.8	4	3.5	3.5	5	4.9	4.1	6.1	6.1	6.4	6.4	6.1	5.7	5.3	5.8	5.9	5.2	5.1	5.3	4.6	5.1	4.5	5	4.1
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.

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

April 2004

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	264	102	120	355	205	185	199	213	209	216	239	241	261	255	279	246	189	207	214	225	217	244	260	268	237
2	267	258	260	259	267	239	232	239	261	265	254	245	250	275	288	293	302	303	302	295	286	283	278	283	266
3	277	288	289	294	295	290	286	285	298	298	302	315	300	295	287	277	277	279	284	185	160	149	155	199	287
4	228	226	212	212	209	218	226	254	282	284	302	356	53	67	84	80	87	13	313	320	320	322	326	327	307
5	319	314	304	313	314	309	314	321	314	358	360	360	360	360	360	360	360	360	360	360	360	360	360	360	345
6	360	360	0	0	360	360	360	0	353	310	306	305	306	310	285	278	275	279	241	208	186	187	199	208	301
7	208	211	213	233	250	247	250	275	287	279	280	275	247	223	252	255	255	255	244	211	204	206	222	250	246
8	245	229	237	256	352	155	67	86	102	112	77	114	97	94	192	201	204	198	188	189	84	32	37	18	153
9	8	9	12	22	24	2	352	8	12	15	18	15	2	14	13	351	126	116	107	131	154	123	70	226	31
10	289	262	239	286	310	80	80	34	64	84	103	102	110	118	115	109	110	109	95	108	89	65	114	117	103
11	140	152	150	160	161	161	171	178	197	242	237	256	294	312	355	15	18	14	20	46	58	49	34	44	46
12	33	29	29	59	39	65	67	75	62	68	73	78	78	75	69	78	86	101	164	170	172	170	175	171	96
13	168	168	163	148	139	145	168	176	180	189	188	185	182	172	159	199	204	199	213	223	270	215	206	193	184
14	163	157	161	198	250	280	272	254	242	217	242	265	264	279	293	291	280	286	286	287	332	319	311	315	273
15	308	307	315	320	322	319	324	321	345	349	339	345	349	5	5	353	31	38	62	85	94	221	234	256	349
16	275	279	298	304	303	309	343	24	48	59	48	34	78	100	131	139	133	125	126	141	141	159	160	164	107
17	167	171	179	184	184	182	194	210	215	225	228	228	204	195	204	196	197	188	192	199	199	203	210	212	201
18	216	217	221	213	212	208	220	238	246	253	244	234	231	200	192	198	200	194	187	186	202	203	204	211	215
19	218	216	221	218	212	213	214	221	222	216	215	218	222	225	228	223	232	219	201	202	209	208	221	223	218
20	216	219	222	223	246	249	257	269	285	310	328	84	131	119	110	127	129	134	124	122	127	133	140	128	173
21	126	143	141	150	151	174	188	195	204	196	196	214	207	202	201	182	184	191	189	191	197	201	205	209	191
22	210	206	202	205	212	203	198	219	225	234	235	237	222	208	193	202	200	195	194	194	197	197	205	208	210
23	211	218	220	216	215	213	224	244	245	241	242	224	222	230	229	238	235	205	200	197	204	205	211	214	223
24	224	246	250	253	203	354	326	11	42	56	70	55	70	71	84	88	91	101	103	121	125	143	145	152	85
25	160	98	48	77	86	96	109	113	110	128	137	114	112	114	139	132	158	170	147	152	146	149	162	162	134
26	173	178	182	193	195	197	193	213	218	221	227	221	220	219	199	199	202	213	340	33	14	22	9	352	210
27	22	323	93	269	265	267	233	0	77	86	164	230	200	202	220	212	280	285	279	285	303	304	285	293	270
28	297	302	314	346	325	255	275	302	316	314	305	284	287	301	277	252	287	106	105	119	130	151	157	156	292
29	171	178	197	221	244	296	311	133	176	179	181	195	176	148	110	127	166	160	162	164	157	147	159	173	162
30	178	175	184	182	164	156	158	169	178	185	192	180	169	153	171	165	179	164	150	155	166	165	176	186	171
Avg	216	218	232	237	247	233	231	240	249	249	247	244	226	203	192	202	198	188	177	177	181	191	205	216	215
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

April 2004

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	0.1	0.4	0.7	0	1.9	0.8	2.3	6.1	5.4	7	6.4	6.8	8.2	8.5	5	5.9	1.8	3.5	1.4	4.1	4	5.1	4.6	4.4	3.9
2	4.5	4	3.5	4	5.1	4.2	4.1	4.9	6.2	6.7	6.3	6.1	5.5	5.4	4.4	3.9	3.4	4	4	3	4	3.9	3.7	4.3	4.5
3	3.5	3.2	4.5	4.3	4	3.7	3.6	4.2	5.7	5.9	6.4	5.4	5.2	5.1	5.9	7.8	6.6	5.4	2	0.3	0.6	0.8	2.2	2.5	4.1
4	3.8	3.6	1.6	2.8	3.2	4.4	5.6	6.4	8.1	8.8	9.9	7.8	7.2	6	6.7	6	6.2	6.1	6.6	6.3	7.7	9	7.8	7.9	6.2
5	6.4	4.9	4.4	5.7	5.9	4.7	4.7	7.5	11.9	11.5	9.9	10.2	10.1	9.1	8.9	10.1	8.5	6.7	6.5	4.4	3.9	3.5	3.5	2.4	6.9
6	2	2.4	2.3	2.2	2.8	2.1	3.1	3.9	4.5	7.6	7.2	6.4	6.3	5.5	5.6	6.1	6	4	2.1	1.1	1.8	3.1	3.4	4.1	4
7	3.7	3.9	3.3	2.7	3.8	3.1	4.3	4.5	4.8	4	2.9	4.6	6.1	5.2	6.5	7.6	6.9	5	3.3	1.6	3.2	3.2	2.2	0.5	4
8	1.5	1.9	2.4	2.9	1.2	0.6	2.1	2.9	3.4	3.4	2.8	3.3	4.6	4	6.4	7	6.4	5.8	5.1	3.5	1.7	2.8	3.5	3.9	3.5
9	1.4	2.6	6.9	5.8	3.6	3.6	3.6	4.8	4.6	6.3	7.1	7	6.1	5.3	4.5	3.8	5.5	4.9	3.9	3.6	2.8	1.9	1	0.8	4.2
10	0.2	0.4	0.6	0.7	0.4	0.5	1.6	1.4	2	3.1	4.1	5.9	5.6	6.3	5.9	5.3	6	5	3.8	3.4	2.8	1.9	2.4	1.2	2.9
11	3.7	7.1	3.7	3.3	2.6	3.1	3.4	4.9	5.2	4.3	4.9	5	5.9	5.4	5.7	6.5	6.2	6.9	7.1	7.1	7.2	5.7	5.5	5.4	5.2
12	6	4.8	5	5.3	4.9	5.2	5.2	5.8	5	5.3	5	5.6	5.2	5.7	3.4	2.9	1.9	2.3	5.6	8.3	6.8	6.7	6.9	7.7	5.3
13	6.2	4.9	3.6	3	2.9	4	4.4	4.8	7.7	9.1	9.6	9.9	9.2	8.6	8.6	9	8.1	6.6	5.2	5.7	2	2.5	3.2	1.4	5.8
14	1.7	1.5	2	2.3	4.5	7.5	7.2	4.6	5.7	5.6	5.3	8	8.1	9.1	6.8	4.6	4.7	3.9	4.7	4.8	6.4	5.4	6.2	5.7	5.3
15	5.6	5.9	7.2	5.9	5.7	3.7	5	4.8	7.4	9.2	8.7	8.1	9.2	8.8	7.5	8.2	6.1	5.3	4.6	3.4	1.3	0.2	0.7	0.8	5.6
16	1.1	1.7	2.2	2	2.5	2.5	1.7	4.5	4.3	3.4	3.9	3.5	4.1	5.1	6.1	6	5.3	4.4	3.1	3	3.1	3.3	2.6	2.2	3.4
17	1.9	2	2	2.5	2.7	3.1	2.8	4.5	5.1	5	4.8	4.9	6.1	6.2	6.4	6.9	6.1	6.8	5.2	5.6	5.3	5.4	4.6	4.4	4.6
18	5	4.4	4.7	4.2	3.6	4.5	4.9	5.8	7.2	7.3	5.7	5.2	5.4	5.9	6.8	5.7	5.5	5	5.4	4.7	5	4.7	4.5	4.8	5.2
19	4.8	4.5	4.5	4.3	3.7	4.1	5.1	6	6.1	6	6.9	8.1	7.6	7.8	7.6	8.4	8	6.6	6.8	6.3	5.9	6	6.6	6.4	6.2
20	5.2	5.2	4.6	4.2	4.6	3.9	3.9	4.9	4.6	3.1	2.2	3.4	3.5	4.3	4.6	5.2	4.9	4	4.1	4.5	3.9	3.5	2.9	2.5	4.1
21	2.9	2.7	2.5	1.5	2.5	2.8	3.1	4.4	4.7	4.4	5	5.5	6.6	6.5	7	8.6	9	7.3	7.4	7.1	6.7	6.3	5.3	5.7	5.2
22	5.5	4.3	5.1	4.6	3.5	2.9	3.7	5.2	6.9	8.5	8.6	6.8	6.3	6.6	6.4	7.3	7.5	8.2	6.4	5.4	5.9	5.4	5.9	4.9	5.9
23	5	4.2	3.6	3	3.2	3.4	4.4	6.2	7.1	6.5	6.3	6.7	7	7.5	7.2	7.1	6.4	5.1	5.3	5.5	5.4	4.4	4.4	4.8	5.4
24	4.3	3.8	2	1.7	1	0.9	1.8	2.6	4.8	5.5	5.6	6.2	6.2	6	6.3	6.1	5.5	5	3.7	3.4	2.8	2.3	1.1	1.2	3.7
25	2	0.7	0.9	1.2	1.2	1.6	3.5	4.4	4.3	5.8	6.2	5.9	6.4	5.8	7.8	7	6.5	5.7	5.4	3.7	5.3	4.8	4.4	4.7	4.4
26	5.9	5.9	5.6	4.5	3.4	3.4	4	4.9	7	7.9	10.2	8.7	8.3	7.1	6.5	7	8.1	6.8	5.3	4.2	3.8	2.7	2.8	2.6	5.7
27	1.7	0.7	0.1	0.5	1.6	1.3	0.2	0	1.4	3.6	2.5	2	2.9	3	3.5	4.3	7.6	5.9	3.8	7.7	6.3	3.8	4.1	4.2	3
28	4.6	3.2	2.6	3.2	2.8	1.5	2.5	3.2	5	5.6	5.8	5.6	4.9	4	3.3	2.8	2.1	4	4.4	3.9	4.1	3	2	2.2	3.6
29	2.4	1.6	1.5	1.6	0.5	0.2	0.1	1.3	3.3	3.9	5.2	5.6	5.8	5.9	6.9	5.2	5.5	7.1	6.7	5.5	4.4	3.1	3.6	2.7	3.7
30	2.3	2.7	2.1	1.7	1.6	1.3	2.3	4	4.7	5	5.4	5.2	5.6	5.4	5.9	6.1	6.5	6.4	4.8	3.8	3.6	4.1	3.5	2.1	4
Avg	3.5	3.3	3.2	3.1	3	3	3.5	4.4	5.5	6	6	6.1	6.3	6.2	6.1	6.3	5.9	5.5	4.8	4.5	4.2	4	3.8	3.6	4.7
SD	1.9	1.8	1.8	1.6	1.4	1.6	1.6	1.6	2	2.1	2.2	1.9	1.7	1.6	1.4	1.8	1.8	1.3	1.5	1.9	1.9	1.8	1.8	2	1
S/A	0.54	0.53	0.56	0.53	0.48	0.55	0.45	0.36	0.36	0.35	0.36	0.31	0.26	0.25	0.23	0.28	0.31	0.25	0.32	0.41	0.44	0.47	0.46	0.56	0.22
Min	0.1	0.4	0.1	0	0.4	0.2	0.1	0	1.4	3.1	2.2	2	2.9	3	3.3	2.8	1.8	2.3	1.4	0.3	0.6	0.2	0.7	0.5	2.9
Max	6.4	7.1	7.2	5.9	5.9	7.5	7.2	7.5	11.9	11.5	10.2	10.2	10.1	9.1	8.9	10.1	9	8.2	7.4	8.3	7.7	9	7.8	7.9	6.9
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

April 2004

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	1002	1000	1000	1000	999	999	999	1000	999	999	999	999	999	999	999	998	999	999	999	1000	1000	1000	1001	1001	1000
2	1001	1001	1000	1000	1001	1001	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1003	1003	1004	1004	1003	1003	1002
3	1003	1003	1002	1002	1002	1003	1003	1003	1004	1004	1004	1004	1004	1003	1003	1003	1003	1003	1004	1004	1004	1004	1003	1003	1003
4	1002	1002	1000	999	999	999	999	999	999	1000	1000	1000	1000	1000	1000	1000	1001	1002	1003	1004	1005	1006	1007	1001	
5	1007	1007	1007	1007	1007	1008	1009	1009	1009	1010	1010	1010	1010	1009	1009	1009	1010	1010	1010	1011	1012	1013	1013	1014	1010
6	1014	1014	1014	1014	1015	1016	1017	1017	1017	1017	1017	1016	1015	1014	1012	1012	1012	1011	1011	1012	1012	1012	1011	1011	1014
7	1011	1010	1009	1008	1009	1009	1009	1010	1009	1010	1009	1008	1007	1007	1005	1005	1004	1004	1004	1004	1005	1005	1005	1005	1007
8	1005	1004	1004	1003	1004	1004	1004	1004	1004	1004	1004	1003	1002	1001	1000	999	999	999	999	1000	1000	1000	1000	1001	1002
9	1000	1001	1002	1003	1003	1005	1006	1007	1008	1009	1009	1009	1009	1009	1008	1009	1009	1010	1010	1011	1012	1012	1012	1013	1008
10	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1014
11	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1010	1010	1010	1011	1012	1013	1014	1014	1015	1015	1015	1015	1012
12	1015	1015	1015	1014	1015	1015	1014	1014	1014	1014	1014	1014	1013	1011	1011	1011	1010	1009	1009	1009	1010	1010	1009	1009	1012
13	1009	1008	1008	1008	1007	1007	1007	1007	1007	1006	1006	1005	1004	1003	1002	1001	999	1000	1000	1000	1001	1003	1003	1003	1004
14	1002	1001	1000	1000	1001	1001	1002	1003	1003	1003	1003	1002	1002	1003	1003	1003	1003	1004	1004	1005	1006	1007	1007	1008	1003
15	1008	1008	1009	1009	1010	1011	1011	1012	1013	1014	1014	1015	1015	1015	1015	1015	1016	1017	1018	1019	1019	1020	1020	1020	1014
16	1020	1021	1021	1022	1022	1023	1024	1024	1025	1025	1025	1025	1025	1024	1024	1024	1024	1024	1024	1024	1025	1025	1025	1025	1024
17	1025	1025	1024	1024	1025	1025	1026	1026	1026	1027	1026	1026	1025	1025	1024	1023	1023	1023	1023	1024	1024	1025	1025	1026	1025
18	1026	1025	1025	1025	1025	1025	1025	1026	1026	1026	1026	1026	1025	1025	1024	1024	1024	1024	1024	1024	1025	1025	1025	1025	1025
19	1025	1025	1024	1024	1024	1025	1025	1025	1025	1025	1024	1023	1022	1021	1020	1019	1018	1018	1018	1017	1018	1017	1017	1017	1021
20	1016	1016	1015	1015	1015	1016	1016	1016	1016	1016	1017	1016	1015	1015	1014	1014	1014	1013	1014	1014	1015	1015	1015	1014	1015
21	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1014	1014	1015	1015	1016	1016	1017	1015
22	1017	1016	1016	1016	1017	1017	1018	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017
23	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1017	1016	1016	1015	1014	1014	1014	1014	1015	1015	1015	1015	1015	1016
24	1015	1015	1015	1015	1016	1017	1018	1019	1019	1020	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022	1019
25	1022	1022	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023	1023	1022	1021	1020	1020	1020	1019	1019	1020	1020	1020	1019	1021
26	1018	1017	1017	1016	1016	1016	1016	1016	1016	1015	1014	1014	1013	1011	1010	1009	1008	1008	1010	1010	1010	1010	1010	1010	1013
27	1009	1009	1008	1008	1008	1008	1009	1009	1009	1008	1008	1007	1007	1006	1005	1005	1005	1005	1006	1008	1010	1011	1012	1013	1008
28	1013	1014	1015	1016	1018	1019	1020	1021	1022	1023	1023	1023	1023	1023	1023	1023	1023	1024	1024	1025	1026	1026	1027	1027	1022
29	1027	1027	1027	1027	1027	1028	1029	1029	1029	1030	1030	1030	1029	1029	1028	1027	1027	1026	1026	1026	1026	1026	1026	1026	1027
30	1026	1025	1025	1025	1025	1025	1026	1026	1026	1026	1025	1025	1024	1023	1022	1022	1021	1021	1021	1021	1021	1021	1021	1021	1024
Avg	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1012	1012	1012	1012	1012	1013	1014	1014	1014	1014	1013
S D	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Min	1000	1000	1000	999	999	999	999	999	999	999	999	999	999	999	999	999	998	999	999	1000	1000	1000	1000	1001	1000
Max	1027	1027	1027	1027	1027	1028	1029	1029	1029	1030	1030	1030	1029	1029	1028	1027	1027	1026	1026	1026	1026	1026	1027	1027	1027
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