

April 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	1	11	144	378	629	807	883	907	713	645	471	349	114	11	0	0	0	0	0	6063
2	0	0	0	0	0	6	32 ?	278 ?	475	658	797	874	885	812	704	509	323	117	15	0	0	0	0	0	6486
3	0	0	0	0	0	4	49	281	466	626	693	377	430	831	677	509	296	95	3	0	0	0	0	0	5337
4	0	0	0	0	0	4	40	223	302	530	631	726	751	768	736	553	338	128	18	0	0	0	0	0	5749
5	0	0	0	0	0	3	80	289	502	698	489	580	874	877	651	456	335	124	19	0	0	0	0	0	5980
6	0	0	0	0	0	7	87	289	497	503	491	306	509	499	662	457	345	129	23	0	0	0	0	0	4803
7	0	0	0	0	0	9	101	314	523	695	865	944	698	850	778	559	351	138	21	0	0	0	0	0	6845
8	0	0	0	0	0	10	100	303	507	686	826	882	895	836	717	540	337	128	17	0	0	0	0	0	6785
9	0	0	0	0	0	10	89	298	506	682	816	894	926	845	697	537	284	89	27	0	0	0	0	0	6701
10	0	0	0	0	0	0	11	37	100	63	111	114	177	250	98	55	129	49	12	0	0	0	0	0	1208
11	0	0	0	0	0	13	111	321	532	714	842	914	906	810	593	419	176	41	8	0	0	0	0	0	6400
12	0	0	0	0	0	10	70	219	357	637	719	834	779	732	646	390	248	94	20	0	0	0	0	0	5752
13	0	0	0	0	0	16	117	284	402	405	545	736	568	324	232	178	152	74	19	0	0	0	0	0	4052
14	0	0	0	0	0	19	127	312	508	709	752	925	784	826	564	179	200	115	13	0	0	0	0	0	6033
15	0	0	0	0	0	8	82	262	322	173	313	794	719	858	607	310	168	77	19	0	0	0	0	0	4712
16	0	0	0	0	0	27	117	314	509	677	805	871	886	836	767	640	219	21	6	0	0	0	0	0	6695
17	0	0	0	0	0	18	119	316	512	682	812	876	880	780	683	533	338	131	10	0	0	0	0	0	6690
18	0	0	0	0	0	17	126	323	518	684	803	864	865	798	687	515	330	138	23	0	0	0	0	0	6692
19	0	0	0	0	0	12	85	148	256	587	788	652	703	823	697	412	102	2 ?	0	0	0	0	0	0	5268
20	0	0	0	0	0	17	133	262	446	660	768	859	680	711	379	247	221	91	17	0	0	0	0	0	5491
21	0	0	0	0	0	13	107	326	517	640	522	250	198	168	368	347	179	73	8	0	0	0	0	0	3716
22	0	0	0	0	0	26	69	208	402	355	443	254	251	311	268	401	367	146	21	0	0	0	0	0	3522
23	0	0	0	0	0	25	147	366	586	589	703	616	530	530	425	266	347	150	29	0	0	0	0	0	5309
24	0	0	0	0	0	29	161	378	588	765	895	956	958	895	759	587	376	151	32	0	0	0	0	0	7530
25	0	0	0	0	0	2	14	52	82	63	48	120	120	419	236	292	178	114	13	0	0	0	0	0	1753
26	0	0	0	0	0	24	171	383	591	762	879	936	954	877	755	593	389	174	24	0	0	0	0	0	7513
27	0	0	0	0	0	34	174	333	543	709	836	876	717	393	381	74	80	86	14	0	0	0	0	0	5248
28	0	0	0	0	0	4	25	61	185	213	657	694	800	704	731	496	328	96	15	0	0	0	0	0	5008
29	0	0	0	0	0	30	176	396	601	774	897	956	961	900	766	582	381	179	35	0	0	0	0	0	7635
30	0	0	0	0	0	27	175	396	606	781	904	972	972	909	789	610	398	163	28	0	0	0	0	0	7731
Avg	0	0	0	0	0	14	97	271	444	578	682	718	709	696	590	424	275	108	17	0	0	0	0	0	5624
S D	0	0	0	0	0	10	50	97	141	206	223	268	253	220	194	160	95	43	8	0	0	0	0	0	1579
S/A	0	0	0	0	0	0.69	0.52	0.36	0.32	0.36	0.33	0.37	0.36	0.32	0.33	0.38	0.34	0.4	0.48	0	0	0	0	0	0.28
Min	0	0	0	0	0	0	11	37	82	63	48	114	120	168	98	55	80	2	0	0	0	0	0	0	1208
Max	0	0	0	0	0	34	176	396	606	781	904	972	972	909	789	640	398	179	35	0	0	0	0	0	7731
n	0	0	0	0	0	178	352	355	360	360	360	360	360	360	360	360	360	355	213	0	0	0	0	0	4693

Daylight Data Recovery: 0.0% missing; 0.4% exceed the 15% QC threshold -- 4711 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.

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

April 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	54	331	728	897	909	884	672	663	605	663	466	122	0	0	0	0	0	6993
2	0	0	0	0	0	8	154	647 ?	755	826	867	893	905	861	828	711	666	412	85	0	0	0	0	0	8617
3	0	0	0	0	0	0	154	589	660	670	636	111	75	807	736	717	521	239	0	0	0	0	0	0	5915
4	0	0	0	0	0	0	0	189	51	138	110	207	283	581	863	839	707	471	142	0	0	0	0	0	4582
5	0	0	0	0	0	0	244	581	736	804	221	293	730	877	654	524	621	369	88	0	0	0	0	0	6742
6	0	0	0	0	0	15	266	558	680	407	218	28	191	187	599	401	598	412	190	0	0	0	0	0	4750
7	0	0	0	0	0	72	451	719	820	852	901	919	549	838	884	827	727	512	170	0	0	0	0	0	9243
8	0	0	0	0	0	58	390	637	746	796	803	803	833	845	822	756	645	358	43	0	0	0	0	0	8536
9	0	0	0	0	0	9	153	547	728	778	827	851	765	825	741	725	439	70	20	0	0	0	0	0	7480
10	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	4
11	0	0	0	0	0	40	344	625	781	844	855	863	778	612	360	111	5	0	0	0	0	0	0	0	6218
12	0	0	0	0	0	0	1	6	37	560	525	655	500	363	422	261	93	5	3	0	0	0	0	0	3434
13	0	0	0	0	0	5	209	333	181	32	101	302	152	6	4	2	14	19	24	0	0	0	0	0	1383
14	0	0	0	0	0	50	328	557	663	710	647	776	513	700	338	34	136	219	43	0	0	0	0	0	5714
15	0	0	0	0	0	0	35	221	28	1	43	554	461	794	512	144	51	8	20	0	0	0	0	0	2872
16	0	0	0	0	0	55	316	556	658	724	773	784	796	776	700	642	257	3	4	0	0	0	0	0	7043
17	0	0	0	0	0	60	318	555	682	742	786	807	813	706	741	717	607	351	36	0	0	0	0	0	7919
18	0	0	0	0	0	69	366	573	675	728	753	765	760	703	683	623	516	337	68	0	0	0	0	0	7620
19	0	0	0	0	0	2	19	18	53	489	603	304	352	551	668	347	14	0	0	0	0	0	0	0	3421
20	0	0	0	0	0	5	135	156	348	556	582	646	230	399	125	20	104	31	3	0	0	0	0	0	3340
21	0	0	0	0	0	7	148	516	437	265	195	2	1	15	102	80	11	0	0	0	0	0	0	0	1779
22	0	0	0	0	0	4	14	32	154	26	71	2	4	8	11	251	621	336	100	0	0	0	0	0	1633
23	0	0	0	0	0	95	350	622	704	453	504	225	114	140	110	20	428	305	157	0	0	0	0	0	4227
24	0	0	0	0	0	151	508	714	816	868	896	885	899	892	811	741	638	357	114	0	0	0	0	0	9290
25	0	0	0	0	0	0	0	0	0	0	2	1	95	27	33	60	115	0	0	0	0	0	0	0	335
26	0	0	0	0	0	121	543	742	822	865	854	805	847	815	804	793	708	503	112	0	0	0	0	0	9333
27	0	0	0	0	0	153	525	511	647	607	652	599	369	18	81	0	0	6	0	0	0	0	0	0	4169
28	0	0	0	0	0	0	0	0	3	3	153	247	439	256	557	379	300	23	0	0	0	0	0	0	2361
29	0	0	0	0	0	113	526	757	838	883	898	876	881	867	802	712	585	428	126	0	0	0	0	0	9293
30	0	0	0	0	0	82	435	697	812	850	866	866	864	862	866	816	698	428	124	0	0	0	0	0	9267
Avg	0	0	0	0	0	39	231	424	495	540	541	533	500	536	517	428	381	226	60	0	0	0	0	0	5450
S D	0	0	0	0	0	48	187	273	318	324	331	344	329	332	315	317	283	194	62	0	0	0	0	0	2931
S/A	0	0	0	0	0	1.24	0.81	0.64	0.64	0.6	0.61	0.64	0.66	0.62	0.61	0.74	0.74	0.86	1.03	0	0	0	0	0	0.54
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	4
Max	0	0	0	0	0	153	543	757	838	883	901	919	905	892	884	839	727	512	190	0	0	0	0	0	9333
n	0	0	0	0	0	178	357	355	360	360	360	360	360	360	360	360	360	360	213	0	0	0	0	0	4703

Daylight Data Recovery: 0.0% missing; 0.2% exceed the 15% QC threshold -- 4711 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 μV/W/m² Calibration Date: 05/1998

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

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

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

April 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	1	11	117	199	122	88	92	138	143	167	135	104	35	7	0	0	0	0	0	1357
2	0	0	0	0	0	6	35	66 ?	82	92	96	94	94	105	114	105	72	43	12	0	0	0	0	0	1015
3	0	0	0	0	0	3	32	78	114	151	169	262	342	160	145	105	94	50	3	0	0	0	0	0	1708
4	0	0	0	0	0	3	36	157	247	405	514	491	453	266	114	78	63	42	11	0	0	0	0	0	2881
5	0	0	0	0	0	3	41	86	104	133	294	303	215	144	167	159	89	51	15	0	0	0	0	0	1802
6	0	0	0	0	0	6	45	92	130	226	287	263	305	323	210	204	105	48	14	0	0	0	0	0	2258
7	0	0	0	0	0	9 ?	36	61	76	91	117	121	182	142	139	86	68	42	13	0	0	0	0	0	1182
8	0	0	0	0	0	8	41	75	96	118	155	158	148	126	115	103	79	54	14	0	0	0	0	0	1292
9	0	0	0	0	0	9	58	88	92	113	112	120	228	141	139	107	90	76	24	0	0	0	0	0	1397
10	0	0	0	0	0	0	10	32	87	54	97	100	154	218	84	48	110	42	11	0	0	0	0	0	1046
11	0	0	0	0	0	13	50	81	87	95	112	121	179	254	293	336	158	36	7	0	0	0	0	0	1821
12	0	0	0	0	0	9	60	193	326	211	239	225	307	373	313	207	197	93	17	0	0	0	0	0	2770
13	0	0	0	0	0	14	74	153	292	364	439	413	412	288	210	157	131	65	18	0	0	0	0	0	3030
14	0	0	0	0	0	16	54	88	113	167	185	195	292	206	285	147	139	76	9	0	0	0	0	0	1973
15	0	0	0	0	0	7	71	174	296	152	250	270	275	175	211	210	136	68	18	0	0	0	0	0	2313
16	0	0	0	0	0	30 ?	57	93	122	136	137	145	152	168	246	262	96	19	5	0	0	0	0	0	1667
17	0	0	0	0	0	15	58	94	112	127	130	128	134	168	125	104	84	53	8	0	0	0	0	0	1340
18	0	0	0	0	0	14	56	93	120	138	150	154	165	189	169	136	112	64	19	0	0	0	0	0	1578
19	0	0	0	0	0	10	74	133	209	209	260	359	358	332	188	188	89	1 ?	0	0	0	0	0	0	2410
20	0	0	0	0	0	16	101	201	227	227	242	244	430	357	256	213	167	78	16	0	0	0	0	0	2776
21	0	0	0	0	0	11	67	105	246	409	325	221	175	138	280	293	152	63	7	0	0	0	0	0	2493
22	0	0	0	0	0	23	60	181	290	310	355	223	223	274	243	235	94	78	13	0	0	0	0	0	2602
23	0	0	0	0	0	18	74	98	150	225	243	378	389	391	318	235	155	76	18	0	0	0	0	0	2767
24	0	0	0	0	0	17	52	73	82	88	94	109	106	105	125	124	95	61	24	0	0	0	0	0	1154
25	0	0	0	0	0	3	12	45	72	54	41	104	104	307	205	261	143	79	13	0	0	0	0	0	1441
26	0	0	0	0	0	14	51	64	76	82	106	151	142	147	123	95	74	51	15	0	0	0	0	0	1192
27	0	0	0	0	0	19	53	110	112	213	229	269	337	336	289	64	69	76	12	0	0	0	0	0	2187
28	0	0	0	0	0	4	21	53	162	188	502	439	355	457	280	244	186	83	13	0	0	0	0	0	2987
29	0	0	0	0	0	20	49	58	67	72	81	107	114	121	131	123	111	67	23	0	0	0	0	0	1144
30	0	0	0	0	0	20	68	84	89	104	117	136	147	139	110	94	82	58	17	0	0	0	0	0	1266
Avg	0	0	0	0	0	11	50	101	149	169	206	213	235	223	193	162	112	58	13	0	0	0	0	0	1895
S D	0	0	0	0	0	7	21	44	80	97	125	113	110	99	72	74	37	20	6	0	0	0	0	0	667
S/A	0	0	0	0	0	0.63	0.41	0.44	0.53	0.57	0.61	0.53	0.47	0.44	0.37	0.46	0.33	0.35	0.44	0	0	0	0	0	0.35
Min	0	0	0	0	0	0	10	32	67	54	41	92	94	105	84	48	63	1	0	0	0	0	0	0	1015
Max	0	0	0	0	0	30	101	201	326	409	514	491	453	457	318	336	197	93	24	0	0	0	0	0	3030
n	0	0	0	0	0	173	357	355	360	360	360	360	360	360	360	360	360	356	212	0	0	0	0	0	4693

Daylight Data Recovery: 0.0% missing; 0.4% exceed the 15% QC threshold -- 4711 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 $\mu\text{V}/\text{W}/\text{m}^2$ 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

April 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	15.5	14.8	13.1	11.8	10.8	10.3	10.4	10.9	12.3	13.7	15.3	16.4	17.6	18.1	18.7	19.2	19.5	19.4	15	13.6	13.1	12.9	12.4	11.9	14.4
2	11.4	11.2	11.1	10.9	10.5	11.3	12.2	13.9	15.3	16.7	18.2	19.7	20.3	20.9	21.6	21.3	20.8	20.3	19.3	18.4	17.7	17.2	17.1	16.9	16.4
3	16.8	16.8	16.7	16.9	16.8	16.9	17.6	19.3	21	22.4	23.7	24.1	24.2	24.6	24.5	25.4	25.3	24	23	19.4	12	11.8	11.6	10.9	19.4
4	10.2	10	8.7	8.5	8.3	7.8	7.5	7.9	8.2	8.8	9.4	10	10.4	10.8	11.2	11.2	11	9.8	8.5	7.7	7.4	7.5	7.2	7	9
5	6.6	6.1	6.3	6	5.7	5.5	5.8	8	9.3	10.3	10.3	9.9	10.8	11.3	11.7	11.5	11.6	9.8	8.3	7.4	7.2	7.5	7.5	6.9	8.4
6	6.8	6.5	5.1	5.1	5.6	5.4	5.2	5.6	7.4	8.3	8.9	8.7	8.2	9.3	10	9.8	9.7	8.8	7.4	6.5	5.8	5.5	5.4	5	7.1
7	2.9	1.9	1.8	1.9	1.6	1.3	2.7	5.4	7.7	8.7	9.8	10.5	10.9	11.5	11.7	11.1	10.7	9.7	8.6	7.9	7.6	7.3	6.8	7	7
8	7.2	7.1	7	7.2	7.1	7.3	8.8	11.4	13.7	16	17.4	18.9	19.8	20.4	20.3	21.1	20.8	20	18.7	17.7	17.3	17.1	17.4	16.9	14.9
9	16.3	15.4	15.1	15.8	16.3	15.8	16.1	18.1	20.2	22	23.1	23.7	24.8	25	25	24.9	24.1	22.8	21.8	20.5	19.8	19.4	19	18.9	20.2
10	18.7	18.3	18	17.7	17.7	17.5	16.9	16.9	17.5	14.7	12.6	12	12	13.2	13.7	13.1	12.9	12.8	12.4	12	11.7	11.2	10.6	9.9	14.3
11	9.7	9.1	8.8	8.4	8.2	8.3	9.3	12.1	14.4	15.5	16.4	16.5	16.4	16.5	16.1	15.4	14.6	14	13.6	13.5	13.6	13.8	13.8	13.6	13
12	13.5	13.4	13.4	13.4	13.5	13.5	13.6	14.2	15.6	18.3	20.9	21.8	22.3	22.7	22.4	22.1	21.3	20.5	19.8	18.6	18.3	18.1	18.1	17.4	17.8
13	17.1	16.7	16.3	16.3	16.4	16.6	17.4	19.4	21.1	21.5	22	23	23.3	21.9	21.3	19.4	19.6	20	19.6	19.4	19.2	19	18.6	18.2	19.3
14	18.2	18.1	17.8	17.7	17.5	17.1	17.7	19.7	21.6	22.7	23.7	24.5	25.4	25.9	26.4	23.3	22.4	23	22.3	21.3	21	20.8	20.5	20.3	21.2
15	19.6	19.3	19.2	19.2	19.1	19.1	19.3	20.4	21.3	21.3	21.2	23.4	25.2	26.5	27.5	27.2	23.9	22.8	22.8	22.1	21.4	21	20.5	20.3	21.8
16	20	19.7	19.3	19	18.8	18.6	19.2	20.8	23.2	25.2	27.1	28.6	28.9	30	30.7	30.7	26.7	22.7	22.7	22.8	23.5	23.2	22.3	21.5	23.6
17	21	20.5	20.1	19.7	19.4	19.3	19.9	21.6	23.7	25.9	27.8	29.7	30.9	31.6	32	31.8	31.4	30.1	27.4	26	24.7	23.8	23.4	22.7	25.2
18	22.1	21.6	21.1	20.6	20.2	19.7	20.1	21.5	23.8	26	28.7	31	31.2	31.3	31	30.3	29.8	29	27.3	26	25.2	24.6	23.9	23.4	25.4
19	22.6	21.5	20.8	20.8	21.1	21.1	21.5	22.2	22.9	24.7	26.8	28.3	29.3	30.3	31	31.1	29.6	27.7	21.4	20.3	20.3	20.5	20.1	19.8	24
20	19.6	19.7	19.8	19.2	18.8	18.4	19.1	21.1	22.2	24	25.8	27	28.5	29.5	28.9	28.9	28.6	27.9	25	23.4	23.3	23.4	23.1	22.4	23.7
21	21.6	21.5	20.9	20	18.5	17.8	17.7	18.3	20	21.3	21.8	20.9	19.8	17.9	16.4	17	16.6	16.4	16	15.5	15.2	15.1	15.1	14.9	18.2
22	14.9	14.7	14.4	13.6	13.9	13.5	14.2	15.4	17.1	19.1	20.4	19.1	19.1	19.5	20.1	21.2	23	23.8	18.5	16.1	15.5	15.4	15.2	14.9	17.2
23	14.7	13.5	12.4	11.7	10.6	9.5	10.3	11.6	12.5	13.1	13.5	13.8	14.2	14.6	14.7	14.4	14.8	14.6	13.6	12.3	11.2	11.2	10.9	10.8	12.7
24	10.3	9.4	7	6	6.1	6.4	8.3	10.7	13.1	14.8	15.6	16.7	17.5	18.2	17.6	16	15.6	15.1	13.9	13.3	13.1	12.8	12.9	12.8	12.6
25	13.2	13.7	14.2	14	13.9	14.5	15.1	15.3	16.3	17	16.9	17.9	19.1	20.6	21	21.7	21.8	21.9	20.9	16.2	14.1	13.8	13.5	12.6	16.6
26	11.9	11.4	12	11.3	9.9	8	9.8	13.6	15.5	16.7	17.3	17.1	17.6	18.4	18.4	18.9	19.1	18.7	17.3	15.9	14.8	14.3	13.7	13.3	14.8
27	12.9	12.6	11.6	11	10.6	10.3	13.3	17.3	18.2	19.1	19.8	20.3	20.2	19.9	19.7	19.1	19.1	19.1	19	18.8	18.5	18.7	18.9	18.9	17
28	19	18.9	18.2	18.5	18.9	19.1	19.5	20.1	21.4	21.7	22.9	24.2	25.8	26.8	27.7	27.4	27.4	26.9	26.1	25.7	20.4	19.2	21.6	22	22.5
29	22.1	22.3	22.3	21.8	21.4	20.9	20.6	20.9	20.9	21.2	21.6	22.1	22.7	22.9	23.1	23	22.5	21.8	20.3	18.8	17.5	15.9	14.4	13.5	20.6
30	12.7	12	11.1	9.9	9.3	8.4	9.7	12	13.6	14.7	15.1	15.7	16.5	16.5	17.6	18.6	18.4	18	17.6	16.4	16.2	16.4	16.1	15.6	14.5
Avg	15	14.6	14.1	13.8	13.5	13.3	14	15.5	17	18.2	19.1	19.9	20.4	20.9	21.1	20.9	20.4	19.7	18.3	17.1	16.2	15.9	15.7	15.3	17.1
S D	5.3	5.4	5.5	5.5	5.5	5.6	5.3	5.1	5	5.2	5.7	6.1	6.4	6.4	6.4	6.4	6	5.9	5.6	5.5	5.3	5.2	5.2	5.2	5.3
S/A	0.35	0.37	0.39	0.4	0.41	0.42	0.38	0.33	0.29	0.29	0.3	0.31	0.31	0.31	0.3	0.31	0.3	0.31	0.3	0.32	0.33	0.32	0.33	0.34	0.31
Min	2.9	1.9	1.8	1.9	1.6	1.3	2.7	5.4	7.4	8.3	8.9	8.7	8.2	9.3	10	9.8	9.7	8.8	7.4	6.5	5.8	5.5	5.4	5	7
Max	22.6	22.3	22.3	21.8	21.4	21.1	21.5	22.2	23.8	26	28.7	31	31.2	31.6	32	31.8	31.4	30.1	27.4	26	25.2	24.6	23.9	23.4	25.4
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

April 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	?	?	?	?	?	?	99.5?	98	91.3	83.6	71.9	61.5	59	55.5	52.7	50.7	47.6	46.7	80.6	86.8	93.1	95.5	97.2	98.9	76.1?
2	100?	?	?	?	?	?	?	92	79.6	74.8	71.9	60.6	57.1	58.9	59	68	72.4	73.3	76	78.8	81.1	85.8	89.7	93.4	76.2?
3	97	99	?	?	?	?	?	99.3?	94.8	87.7	80.4	75.1	74.4	74	70.2	71.1	70.9	77	80.3	89.2	98.2	88.9	80.3	76.7	83.4?
4	73.7	66.5	71.2	70.1	68.5	67.5	68.4	68.8	63	60.4	59.6	57.8	58.5	55.9	52	48.2	47.7	57.2	68.2	72.7	74.1	73.7	75.5	78.2	64.9
5	84	88.6	87.3	88.5	88.2	87.4	86.6	76.9	63.5	53.4	59	65.1	47.4	43.6	44.5	46.1	46.3	59.1	65.7	69.5	70.6	64.3	61.5	66.6	67.2
6	72.9	78.7	88.9	85.6	84.1	83.5	87	86.8	74.3	68.2	58.4	53.8	50.8	42.9	37	36.3	34.7	42.1	52.4	56.8	59.9	61.6	63.9	68.2	63.7
7	78.6	83.6	80.2	76.5	75.8	78.2	71.4	61.7	54.5	50.3	45.2	43.9	44.3	44.3	48.2	51.6	54.7	60	66.5	71.6	69.6	74.9	82.5	83	64.6
8	83.4	85.9	89.6	91.4	92.1	92	89.3	83.9	79.4	68.2	62.7	54.6	49.7	46.3	53.9	53.2	58.1	62.6	68.1	79.1	80.3	78.4	76.6	78.9	73.2
9	82.3	86.8	89.1	88.3	87.4	90.8	90.9	82.4	77.1	71.2	63.9	62.8	56.6	57.1	60.2	60	62	67.4	71.3	77.6	80.5	82.6	86	87.7	75.9
10	89.8	92.4	94.9	96.8	97.6	98?	?	?	?	?	?	?	99.5?	95.9	93.6	93.1	90.8	88.5	89.8	92.5	93.4	96.3	98.5	99.8?	94.5?
11	99.5	99.8	99.1	99.4?	?	?	?	96.5	86.4	79.5	74.8	75.8	79.5	79.2	80.5	84.5	89.9	94.5	96.9	98.3	99.4	99.9	99.8?	?	90.7?
12	?	?	?	?	?	?	?	?	?	95.2?	87.8	79.2	76.2	75.8	80.5	81.7	86.6	89.4	91.4	95.8	97	97.1	96	97.7	88.5?
13	97.7	98.5	99.7?	99.9?	99.7	98.7	97.3	91.3	83.9	81.3	81.1	76.7	74.2	81.6	86.5	97.9	97.1	92.5	96.7	97.9	99.2	100?	?	?	92.2?
14	99.9?	?	?	?	?	?	?	97.7	90.2	83.9	76.6	70.4	64.9	64.4	62.2	82.4	90.7	87.1	87	93.2	94.1	93.5	95.6	96.8	85?
15	99.2?	?	?	?	?	?	?	97.2?	93.2	93.5	95.8	86.7	79	72.5	66.8	66.7	80.5	90.2	87.6	89.2	92.3	94	95.9	96.7	87.6?
16	97.4	98.3	99.2	99.4	99.6	?	98.7	94.3	84.9	77.9	72.8	67.2	69	56.8	49.2	52.1	78.1	98.5	98.6?	97.9?	89.4	86	87.6	88.9	84.4
17	88.6	88.5	89.4	91.7	93	93.1	92.3	88.6	82.2	74.2	67.2	63.1	56.8	53.6	51.2	48.5	47.5	56	71	78.5	82.5	84.2	81.6	83	75.3
18	85.6	86.3	87.4	89.4	92.3	95	94.6	91.4	84.5	77.8	65	53	53.9	53.9	56.5	55.9	55.4	60.5	68	77.1	83.5	86.8	90.5	90.9	76.5
19	91.1	94	97.1	99.7?	99.7?	100?	98.2	95.3	93	86.3	77.3	71.7	68.3	65.1	60.7	58.3	62.8	69.4	95.5	?	?	?	?	?	83.3?
20	?	97.6	95.5	97.7	?	?	?	98.1	95	89	81	77	70.1	64.7	73.1	62.8	65.6	68.5	83.7	89.5	90.4	85.9	83.4	86.3	82.7?
21	90	88.3	91.8	96.4	99.4	93.7	81.9	75.9	66.7	63	65.6	73.3	79.8	91.3	99?	95.4	95.1	96.5	98.3	98.4	98.3	99.1?	?	?	88?
22	?	?	?	?	?	?	99.7?	98.2	95	92.7	89.3	94.1	94.7	91.9	87	80.1	69.7	61.2	91.2	98.1	95.4	95.5	94.2	88.4	89.8?
23	76.1	72.7	72.7	70.8	74.7	79.8	77.3	67.6	60.4	55.4	52.5	50.3	48	47.2	46.7	47.9	47.8	49.3	55.2	65.8	73.6	69.8	71.5	77.3	62.9
24	80	84.3	96.8	?	97.6	93.5	83	75.8	60.9	49	42	42.1	40	39.1	51.2	61	62.6	65.6	72.4	75.3	75.6	72.7	72.3	73.4	68.1
25	68.7	81.5	88	91	94.3	93.9	94.4	99.5	?	?	?	?	?	96.7?	95.4	92.5	92.9	92.6	96.7	93.7	92.9	91.2	91.7	96.6	91.8?
26	98.5	95?	73.3	70	77.5	89.1	88.1	69.8	50.3	38.3	34.9	39.3	36.6	38.4	39.3	37.4	37.6	39.8	54.9	63.5	71.3	72.9	80.3	83.1	61.6
27	86.4	86.2	90.2	93.5	95.3	98.5	95.5	76.4	62.5	50.8	42.1	41.9	47.6	58	68	72.8	73.8	77.9	78.9	78.5	80.5	82.7	85.3	88.7	75.5
28	88.7	90.5	97	97.5	97.8	98.9	99.6	100?	99.5?	99.2	91.7	85.6	73	65.4	59.7	59.7	62.8	63.6	66.4	69.2	78.8?	?	98.3	95.4	84.3?
29	92.9	89.8	88.6	90.4	92	91.7	75.3	61.7	54.9	53.1	51	48.9	45.9	43.6	45.5	45.4	44.6	40.6	45.2	49.6	51.2	71.4	83.1	80.3	64
30	79.6	81.7	82.2	86.5	84.4	90.5	84.8	70.9	55.6	49.5	49.7	50.6	48.8	53.3	46.5	43.6	51.1	58.7	64.2	73.2	79.1	80.6	81.4	84.7	68
Avg	87.7	88.1	89.1	89.6	90	90.7	88.8	85.6	76.9	71.7	66.8	63.6	62.2	62.2	62.6	63.5	65.9	69.5	77.3	81.3	83.6	84.5	85.2	86.1	78?
S D	9.4	8.3	8.4	9.7	9.3	8.2	9.5	12.7	15.3	16.9	16.1	14.7	15.9	17.2	17.3	17.9	18.4	17.8	15.2	13.4	12.3	11.1	10.5	9.4	10.3
S/A	0.11	0.09	0.09	0.11	0.1	0.09	0.11	0.15	0.2	0.24	0.24	0.23	0.26	0.28	0.28	0.28	0.28	0.26	0.2	0.17	0.15	0.13	0.12	0.11	0.13
Min	68.7	66.5	71.2	70	68.5	67.5	68.4	61.7	50.3	38.3	34.9	39.3	36.6	38.4	37	36.3	34.7	39.8	45.2	49.6	51.2	61.6	61.5	66.6	61.6
Max	100	99.8	99.7	99.9	99.7	100	99.7	100	99.5	99.2	95.8	94.1	99.5	96.7	99	97.9	97.1	98.5	98.6	98.4	99.4	100	99.8	99.8	94.5
n	289	280	269	247	242	230	247	311	318	333	336	336	345	356	354	359	360	360	356	345	340	322	315	304	7559

Data Recovery: 0.0% missing; 12.5% 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 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	14.8	15.4	14.7	13.6	12.3	11.3	10.7	10.8	12.5	14.9	17.4	19.3	20.5	21.2	21.3	21.8	22.3	22.4	20	15.9	13.6	12.4	11.7	11	15.9
2	10.4	9.9	9.5	9.3	9	9.2	10.3	12.2	14.9	17.7	20	22	23.3	23.4	24	24.3	24	23.4	21.8	19.6	18.1	17.2	16.6	16.2	16.9
3	16	16	16	16	16.2	16.2	16.5	18.1	21	23.5	25.3	26.6	26.2	27	27.6	28.1	28.5	27.7	25.4	23.4	18.2	13.6	12.4	12	20.7
4	11.2	10.3	9.7	8.8	8.7	8.2	7.8	8	9.1	10	11.8	13	14.3	14.5	14.9	15.3	15.1	14	11.7	8.7	7.1	6.4	6	5.5	10.4
5	4.8	4.6	4.8	5	4.7	4.4	4.1	6.1	9.2	11.6	13.1	13.1	13.5	14.1	14.8	14.9	15.1	14.4	11.5	8.6	6.8	6	5.8	5.4	9
6	4.4	4.4	4	4	4.4	4.8	4.6	5.5	7.7	10.2	11.2	11.8	11.1	11.3	12	12.9	12.6	12.1	10	7.3	5.5	4.2	3.5	3	7.6
7	1.9	0.2	-0.6	-0.7	-1	-1.4	-0.9	2.6	6.8	10	12.5	14.8	15.7	15.2	15.6	15.7	15.3	14.1	11.8	9	7.6	6.6	5.6	4.8	7.5
8	4.9	4.8	4.6	4.2	3.9	4.2	5.2	8.7	12.7	16.3	19.3	21.3	22.5	22.9	23.3	23.7	24	23.3	21.4	18.9	17.5	16.7	16.5	16.4	14.9
9	16.2	15.3	14.5	14.5	15.3	15.3	15.1	16.6	19.8	22.8	24.8	26.2	27.2	27.8	27.9	28	27.9	26	24	22	20.4	19.4	18.8	18.6	21
10	18.8	18.7	18.3	17.9	17.8	17.8	17.4	17	17.2	17.3	15	13.5	12.8	12.9	13.8	14.1	13.9	13.9	13.5	12.9	12.4	11.9	10.7	9.6	15
11	9	8.5	8	7.6	7.3	7.2	7.7	10	13.5	16.3	18.3	19.6	20	19.8	20	19.4	18.4	16.8	15.4	14.6	14.2	14.1	14.2	14.2	13.9
12	14	13.9	13.8	13.8	13.7	13.7	13.7	14.1	15.8	18.8	22.8	25.1	26.2	26.5	26.6	26.3	25	23.4	21.7	20.1	18.7	18	17.6	17.2	19.2
13	16.5	15.9	15.5	15.2	15.3	15.4	16	18.3	20.9	22.7	23.6	25	26.5	26.2	25	22.4	20.7	20.9	20.7	20	19.5	19.2	18.8	18.3	19.9
14	18	17.9	17.6	17.4	17.3	16.9	17	19	22.3	24.9	26.8	27.9	28.8	29.1	29.6	28.7	24.7	24.3	24.2	22.4	21.2	20.8	20.4	20.2	22.4
15	19.8	19.2	19	18.9	18.9	18.9	19	20	21.8	22.7	22.3	23.3	26.4	27.9	29.6	30.3	29	26	24.3	23.1	22	21.1	20.4	20	22.7
16	19.8	19.4	19	18.7	18.4	18.1	18.4	20.4	23.2	26.5	29.7	32.3	33.4	33.1	33.9	34.8	34	27.7	23.9	22.7	22.1	22.1	22	21.5	24.8
17	20.9	20.4	20.1	19.6	19.2	18.9	19.3	21.1	23.8	26.7	29.4	32	33.8	34.6	35.2	35.6	35.5	34.6	31.8	28.2	26.1	24.5	23.6	22.9	26.6
18	22.2	21.6	21	20.5	20.1	19.6	19.7	21.4	24.1	27.3	30.6	34	36.1	36	35.9	35.3	34.1	33.3	31	28	25.9	24.8	24	23.4	27.1
19	22.5	21.4	20.5	19.9	20.3	20.4	20.6	21.6	22.6	24.6	28	30.6	31.8	32.9	33.9	34.5	33.2	30.7	26.4	22.3	20.8	20.3	19.9	19.6	25
20	19.4	19.2	19.3	19.2	18.8	18.7	18.5	20.3	22.3	24.8	27.7	30.1	32.1	33.3	33.9	32.4	31.2	30.3	28.5	25.6	24	23.2	22.7	22	24.9
21	21.3	20.7	20.5	20	19.4	18.7	18.2	18.8	20.8	23	24.8	24.3	23	21.7	19.1	18.4	19	18.5	17.7	16.8	16.2	15.9	15.7	15.5	19.5
22	15.4	15.3	15.1	14.7	14.2	14.1	14	14.9	17.3	20.2	22.2	22.6	21.6	21.2	21.4	21.9	23.5	24.8	24.1	19.6	16.9	15.5	14.9	14.3	18.3
23	13.9	13.4	12.4	11.3	10.3	9	8.7	10.9	13.5	15.6	16.5	17.3	17.5	17.9	18	17.6	17	17.3	16	13.1	10.6	8.8	8.7	8.5	13.5
24	8.3	7.6	6.4	5.2	4.5	4.3	5.1	8.6	12.6	16.2	18.9	20.4	21.4	21.8	22.5	21.4	20.1	19.1	17.1	14.5	13	12.5	11.9	11.7	13.5
25	11.7	12.4	12.9	13	12.8	13	13.7	14.2	14.8	15.8	16.5	17	17.9	19.5	21.5	22.5	23.2	23.2	22.4	20.4	16.1	13.9	13.2	12.1	16.4
26	11	10.3	10	10	9.1	7.3	7.3	11.4	15.7	18.8	21.1	22.4	21.9	21.6	22.1	22.3	22.3	21.9	20.2	19.9	19.4	19	18.8	18.9	17.1
27	11.1	10.2	9.6	8.6	7.8	7.5	9.1	13.7	18	20.9	22.6	23.6	24	23.6	23	21.9	20.7	20.2	19.9	19.4	19	18.8	18.9	18.9	17.1
28	18.9	18.9	18.2	17.8	17.9	18.5	18.9	19.5	20.5	21.7	22.9	25.2	26.7	27.9	29.2	29.9	29.6	29.2	27.7	26.4	24.8	20.6	19.8	20.4	23
29	21	21.4	21.6	21.6	21.2	20.8	20.8	21.9	23.1	24	24.9	25.5	25.8	25.8	25.9	26.2	26.2	25.1	23.2	20.2	17.9	16.2	14.8	13.6	22
30	12.6	11.8	10.8	9.6	8.1	7.1	7.3	10.5	14.2	17	19	20.2	20.6	20.3	20.1	20.9	21.6	21.4	20.1	17.7	16.1	15.5	15.3	15	15.5
Avg	14.4	14	13.6	13.2	12.9	12.6	12.8	14.5	17.1	19.4	21.3	22.7	23.4	23.7	24.1	24	23.6	22.7	20.9	18.6	16.9	15.8	15.2	14.8	18
S D	5.8	5.9	5.9	6	6.1	6.1	6	5.5	5.1	5.1	5.5	6	6.5	6.6	6.7	6.6	6.4	5.9	5.7	5.7	5.6	5.6	5.6	5.7	5.4
S/A	0.4	0.42	0.44	0.45	0.47	0.49	0.47	0.38	0.3	0.26	0.26	0.27	0.28	0.28	0.28	0.28	0.27	0.26	0.27	0.3	0.33	0.35	0.37	0.38	0.3
Min	1.9	0.2	-0.6	-0.7	-1	-1.4	-0.9	2.6	6.8	10	11.2	11.8	11.1	11.3	12	12.9	12.6	12.1	10	7.3	5.5	4.2	3.5	3	7.5
Max	22.5	21.6	21.6	21.6	21.2	20.8	20.8	21.9	24.1	27.3	30.6	34	36.1	36	35.9	35.6	35.5	34.6	31.8	28.2	26.1	24.8	24	23.4	27.1
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: 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 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	2.9	2.1	0.9	2.1	1.5	1.7	2.1	1.4	1.7	2.2	2.7	3.7	2.6	2.7	3.3	2.6	2.5	1.4	3.2	2.5	1.7	1.8	1.2	0.8	2.1
2	0.6	0.3	0.3	0	0.5	1.3	1.2	2.3	3.2	3.2	3.1	3.1	4.1	4	5.7	6	5.4	5.2	5.1	3.6	2.9	2.4	1.9	2.2	2.8
3	2.4	1.9	1.8	2	1.4	1.5	1.9	2.1	3.4	4.2	3.9	4.2	3.1	4.2	3.9	4.1	4.4	4.3	2.7	5.2	6.5	5.4	5.3	5.2	3.5
4	4.7	5.7	4.8	4	4.2	4.3	4.6	4	5	4.4	4.2	3.8	3.6	3.2	3.1	3	3.3	3.8	3	2.5	2.8	2.2	1.4	0.6	3.6
5	0.4	0.5	1.3	1.2	1.9	1.1	1.2	3.3	4.4	4	4.1	4.5	4.3	3.7	2.9	3.1	2.6	4.2	3.4	2.5	2.1	2.5	2	0.5	2.6
6	1.6	1	0.7	0.9	1.1	2.1	3	3.4	2.8	2.6	2.6	4.1	3.9	4.7	4.1	4.3	3.8	3.8	3	2.6	1.5	1.5	1.4	0.8	2.6
7	0.2	0.4	0.9	0.7	0.4	0.6	0.9	2	2.5	2.4	1.8	2.2	1.8	2.1	2.8	3.3	3.8	4.3	3.2	3.6	2.8	1.7	0.6	1.5	1.9
8	1.2	0.8	0.7	0.2	1	1.2	1.3	1.7	2.7	2.7	3.1	3.2	4	3.8	3.9	4.2	5.3	4.4	3.7	3.4	3.4	3.4	3.1	2.5	2.7
9	2.1	2	1.4	1.9	2.1	1.9	3	3.5	3.4	4.5	5	5	5.2	5.9	5.8	5.3	5.4	4.4	4.4	3.5	3.1	3.3	3.1	2.7	3.7
10	2.4	2	1.2	1.7	1.2	1.8	1.9	0.8	0.4	3.8	4.9	4.1	4	4.4	3.5	4	3.7	3.7	2.4	1.7	2.5	1.1	0.6	1.2	2.5
11	1.3	1.4	1.7	1.8	1.9	2.3	2	3.1	4.7	4.6	4.5	5	5.1	5	5.1	5.1	4.4	3.8	3.8	2.8	2.9	3.1	3	2.7	3.4
12	2.8	1.9	1.3	1	0.6	0.5	0.8	0.9	1.1	1.1	2.1	3	3.4	3.9	4.4	4.2	4.1	3.3	2.3	1.6	3.3	2.1	1.8	1	2.2
13	0.6	0.6	1	1	1.3	1.6	2	3	3.7	4.3	4.2	3.5	3.6	4.1	3.3	3.2	2.7	2.1	2.2	1.5	0.9	1.1	1	1.1	2.2
14	1.6	1.4	1.3	1.4	1.1	0.8	0.6	1.5	2.5	3.5	3.2	3.8	3.6	3.6	3.4	2.9	2.1	2.6	2.3	2.1	2.5	2.7	3.1	3.2	2.4
15	2.3	2.1	1.9	2	1.8	1.6	1.4	2.6	3.3	3.1	2.6	3	3.4	3.3	3	3	5.6	4	2.7	2.9	2.3	1.8	1.9	2.2	2.7
16	1.7	1.7	1.7	1.6	1.5	1.1	1.6	2.6	2.5	1.5	1.5	1.8	3.5	3.3	3.6	4.3	3.9	1.2	0.7	1.2	2	2.3	2.3	2.1	2.1
17	2.2	2.5	2.4	1.7	1.6	2.3	2.7	3.3	3.1	2.9	2.5	2	2.5	2.8	2.8	3.3	3.2	2.5	2.8	3.2	2.5	2.8	2.7	2.6	2.6
18	2.5	2.2	2.1	2.2	2.2	1.7	1.7	2.6	2.5	1.7	1.1	0.8	2	2.7	3.3	3.8	2.6	2.8	1.7	1.5	1.8	1.7	2.2	0.8	2.1
19	0.3	0.2	0.1	1.1	1.1	0.7	1.5	2.6	2.4	2.6	3.1	2.4	2.9	3.6	3.5	3.7	3.7	3	3.7	2	2.4	2	2	3.7	2.3
20	2.6	2.3	3.2	2	1.8	1.8	2.4	2.9	3.6	2.6	2	1.8	1.3	1.7	1.9	3	2.7	2	1.4	0.5	0.3	1.2	0.8	0.7	1.9
21	0.9	2.2	2.2	2.3	3	3.1	3.6	3.8	3.8	3.7	3.8	3.1	3.3	3.8	4.2	3.8	3.7	3.2	3.6	3.3	2.7	2.6	2.5	1.9	3.1
22	1.7	1.2	1.6	3.7	3.2	2.7	1.3	1.4	0.7	1.4	2.5	2.9	3.2	3.9	3.9	3.7	3.3	1.1	3.4	3.5	2.4	1.8	2.2	2.3	2.5
23	3.6	3.2	2.4	2.6	1.7	0.9	1.3	3.1	3.1	2.6	2.5	2.6	2.3	3.1	2.7	3	2.2	2	1.1	0.8	0.1	1	1.3	1.3	2.1
24	0.7	0.4	0.2	0.4	1.3	0.8	0.8	2.1	2	1.5	1.8	1.6	1.5	1.3	3.6	4.7	3.7	3.2	3.2	2.6	2.9	2.3	2.1	1.6	1.9
25	2.6	2.1	2.2	2.4	2.2	2.1	3.2	3.7	4.1	2.7	1.7	2	2.2	2.7	3.1	3.7	2.3	1.9	1.7	3.3	2.8	1.6	0.6	0.3	2.4
26	0.3	1	2.7	1.3	0.3	0.3	0.1	0.5	1.3	1	1	2.1	2.3	2.2	3.1	3.3	3.2	3	1.5	0.8	2.4	1.4	1.3	0.5	1.6
27	0.5	0.4	0	0	0	0.3	0.3	0.3	1.8	3	3.4	3.8	4	3.9	4.2	3.1	2.5	3.1	2.8	1.9	2.1	2.9	3.4	3.3	2.1
28	3.7	3.7	3.3	3	2	2.3	2.8	3.3	3.6	4.3	5.3	6	6.4	5.6	6.7	7.2	4.7	4.8	3.2	3.2	3.4	2.1	3.4	3.8	4.1
29	4.2	3.9	4.3	3.3	2.7	2.6	2.6	3.2	4.2	3.7	3.8	3.6	3.4	4	3.8	3.5	4.4	3.3	2.2	1.8	1.7	2.4	2.2	2.5	3.2
30	2.7	2	1.8	0.4	0.8	0.2	1	1.2	1.7	1.5	1.8	2	2.2	4	3.7	4.1	3	1.8	2.1	2.8	2.3	3	3.1	2.8	2.2
Avg	1.9	1.8	1.7	1.7	1.6	1.6	1.8	2.4	2.8	2.9	3	3.2	3.3	3.6	3.7	3.9	3.6	3.1	2.8	2.5	2.4	2.2	2.1	2	2.6
SD	1.2	1.2	1.2	1	0.9	0.9	1	1	1.2	1.1	1.2	1.2	1.1	1	1	1	1	1.1	1	1	1.1	0.9	1	1.2	0.6
S/A	0.64	0.69	0.67	0.62	0.57	0.59	0.56	0.43	0.41	0.38	0.39	0.37	0.34	0.29	0.27	0.26	0.28	0.35	0.35	0.42	0.45	0.4	0.5	0.6	0.24
Min	0.2	0.2	0	0	0	0.2	0.1	0.3	0.4	1	1	0.8	1.3	1.3	1.9	2.6	2.1	1.1	0.7	0.5	0.1	1	0.6	0.3	1.6
Max	4.7	5.7	4.8	4	4.2	4.3	4.6	4	5	4.6	5.3	6	6.4	5.9	6.7	7.2	5.6	5.2	5.1	5.2	6.5	5.4	5.3	5.2	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 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	18	67	107	108	116	122	128	120	119	119	137	163	119	107	85	86	83	86	288	300	309	310	332	328	98
2	310	318	318	325	296	283	273	277	285	297	298	321	300	296	331	333	329	336	340	347	350	339	344	341	321
3	346	351	349	346	355	21	356	27	42	47	33	40	16	356	355	359	350	345	355	148	191	185	183	183	17
4	179	175	181	187	190	187	178	171	178	190	188	184	216	194	182	196	211	232	243	241	244	240	231	220	196
5	203	155	163	158	174	157	149	177	184	187	197	200	179	207	195	208	197	227	230	239	264	260	259	269	203
6	251	217	168	160	166	182	186	186	192	179	138	185	185	161	149	160	161	181	193	187	214	213	208	200	179
7	118	108	132	135	129	133	148	166	206	215	197	248	235	280	323	323	308	291	298	302	305	327	345	325	281
8	320	321	316	328	309	297	313	302	326	354	353	9	2	350	319	348	350	353	1	349	356	3	8	3	348
9	358	347	355	353	351	341	339	350	8	23	9	8	13	0	360	4	1	1	3	350	2	6	11	14	2
10	15	17	12	10	46	80	65	79	73	182	184	188	188	197	215	225	223	220	219	218	209	206	177	172	197
11	178	176	183	197	183	178	182	217	228	223	227	230	213	217	208	207	209	214	202	194	202	198	194	186	208
12	170	185	183	169	175	181	169	173	217	215	249	270	278	281	284	292	295	295	297	285	302	304	300	286	270
13	316	290	278	283	287	293	299	304	308	328	339	336	333	337	13	330	336	321	328	337	335	345	344	21	327
14	9	19	12	358	6	22	8	5	12	358	15	348	351	3	1	0	340	345	354	346	7	7	8	14	1
15	20	22	23	17	27	35	17	28	44	45	31	31	40	37	39	6	337	350	5	359	13	27	28	41	20
16	41	43	41	48	41	31	39	54	69	59	10	18	338	356	351	335	258	165	243	311	346	13	13	24	10
17	29	34	49	42	43	49	55	64	60	69	69	36	39	25	9	5	355	358	13	14	15	21	25	28	32
18	35	37	46	52	53	47	50	68	89	78	104	220	311	268	277	294	298	304	314	14	17	14	53	86	11
19	178	75	10	35	29	17	30	52	50	38	42	44	36	39	38	33	46	88	133	265	4	354	32	54	43
20	64	63	58	81	110	37	27	41	62	70	92	80	68	68	360	77	93	104	229	300	30	88	104	104	68
21	103	156	189	198	217	229	248	246	247	248	262	266	242	217	214	227	225	228	229	241	239	230	224	232	231
22	218	189	166	162	191	237	291	344	34	11	100	83	68	66	83	81	79	90	243	229	223	206	184	190	144
23	193	182	166	161	149	135	148	172	179	173	157	137	163	139	139	144	141	157	198	214	234	207	225	243	166
24	225	217	68	101	112	111	138	176	190	151	175	166	155	33	278	292	285	278	293	291	302	297	291	307	268
25	303	311	310	314	308	318	327	326	335	4	17	16	27	28	36	30	32	30	37	198	194	192	184	168	346
26	148	170	188	180	192	50	87	309	271	226	153	71	77	45	18	40	38	41	11	341	347	341	345	1	35
27	337	356	3	0	0	162	196	244	261	271	293	293	289	285	318	326	310	321	331	327	303	315	327	336	307
28	343	340	335	334	347	341	349	354	23	40	48	51	50	55	55	60	50	43	44	39	103	325	342	349	28
29	0	3	15	22	35	65	76	76	80	88	89	86	86	67	70	82	63	76	93	89	99	183	186	170	70
30	156	153	140	103	113	66	94	124	113	171	203	308	300	330	351	347	303	300	337	339	326	348	354	352	339
Avg	7	48	73	75	99	62	33	52	57	66	73	17	357	358	357	353	336	324	309	298	305	311	332	356	355
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 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	5	3.7	2.7	4.9	3.7	4.2	4.7	3.6	3.9	4.5	5.3	5.9	5.3	5.2	5.8	4.7	4.3	3.1	4.7	3.3	2.6	2.5	1.9	1.5	4
2	1.2	0.9	0.8	0.1	0.9	1.9	2	3.6	4.7	4.8	4.5	5.2	5.8	5.9	8.2	8.9	8.2	7.6	7.8	5.7	4.6	3.6	3.1	3.3	4.3
3	3.6	2.8	2.9	3	2.5	2.5	2.8	3.4	5.2	6.8	6.1	6.7	4.7	6.3	6.3	6.5	6.7	6.5	4.3	8.8	9.7	8.3	8.2	8.1	5.5
4	7.2	8.6	7.9	6.4	7	6.9	7.1	6.6	7.8	7.3	6.9	6.3	5.7	5.7	5.3	5.1	5.4	5.9	4.8	3.8	4.3	3.2	2.3	1.2	5.8
5	1	0.9	2	2.4	3	2.2	2.4	5.1	7.3	6.4	6.6	7	7	6.5	5.2	5	4.3	6.2	5.3	4.1	3.5	3.9	3.2	1.2	4.2
6	2.6	1.7	1.3	1.7	1.9	3.6	4.8	5.7	5	4.6	5	6.4	6.5	8.2	7.2	7.2	6.2	6.1	4.8	4.2	2.6	2.6	2.3	1.7	4.3
7	0.7	0.9	1.7	1.3	1	1.2	1.7	3.4	4.1	4	3.9	3.7	3.2	3.7	4.7	5.2	5.4	6.2	4.7	4.9	3.9	2.6	1.2	2.3	3.2
8	1.8	1.3	1.1	0.4	1.4	1.4	1.8	2.5	3.9	4.3	5	5.6	6.1	6.3	5.7	6.8	7.9	7.1	5.7	5.1	5.3	5.4	5.5	4.1	4.2
9	3.4	2.9	2.3	3	3.3	2.7	4.4	5.7	5.6	7.3	7.8	8.3	8.1	9.5	8.9	8.5	8.7	7	6.8	5.4	5.1	5.4	5.2	4.3	5.8
10	4.1	3.2	2.3	2.9	1.9	2.9	3.3	1.6	1.3	6.5	7.4	7	6.4	6.8	5.9	6.2	6	5.9	4.2	3.2	4.3	2.7	1.7	2.2	4.2
11	2.3	2.6	2.8	3	3.1	3.6	3.4	4.9	7.1	7	6.8	7.7	7.6	7.8	7.8	7.7	7	6.7	5.8	4.9	4.8	4.9	4.7	4.3	5.4
12	4.1	3.3	2.3	1.9	1.4	1.2	1.6	1.9	2.1	2.3	3.4	4.4	4.8	5.5	6.5	6.2	5.9	4.7	3.5	2.4	4.5	3.2	2.5	1.4	3.4
13	1.4	1.1	1.2	1.5	1.8	2.3	2.9	4.4	5.5	6.6	6.4	5.4	5.6	6	4.9	4.8	4.3	3.6	3.5	2.6	1.9	1.9	1.8	2	3.5
14	2.8	2.6	2.2	2.3	1.9	1.7	1.5	2.8	4	5.3	5.2	5.7	5.7	5.5	5.5	4.7	3.5	3.8	3.7	3.3	4.1	4.2	5	5.1	3.8
15	3.8	3.4	3.1	3.4	3.3	2.6	2.5	4.3	5.1	4.4	4.1	4.6	5.4	5.4	5.1	4.8	8.2	6.4	4.5	4.5	3.6	2.8	2.8	3.1	4.2
16	2.5	2.4	2.6	2.4	2.2	1.7	2.5	3.9	3.9	2.7	2.7	3.1	5.1	5.3	5.4	6.6	5.9	2.1	1.6	2.2	3	3.4	3.6	3.3	3.3
17	3.2	3.6	3.4	2.5	2.4	3.1	3.9	4.8	4.5	4.5	3.9	3.3	4	4.6	4.6	5.4	4.9	4.1	4.3	4.8	4.3	4.4	4.2	4.1	4
18	3.6	3.3	3	3.1	3	2.2	2.4	3.9	4	3	2.4	1.8	3.3	4	4.8	5.2	3.8	3.7	2.5	2.5	2.9	2.9	3.6	1.5	3.2
19	0.7	0.5	0.4	1.7	1.7	1.3	2.5	3.9	3.7	4.1	4.7	4.2	4.6	5.7	5.7	5.8	5.9	4.9	6.7	3.1	3.8	3.2	3.1	5.1	3.6
20	3.7	3.6	4.6	3.4	3.4	2.7	3.6	4.5	5.5	4.4	3.7	3.4	2.6	3.3	3.2	4.5	4.6	3.8	2.6	1.3	0.8	1.8	1.4	1.1	3.2
21	1.6	3.4	3.6	3.8	4.6	4.7	5.5	5.7	5.6	5.6	5.5	4.7	5.1	5.7	6.6	5.6	5.8	4.8	5.5	5.4	4.1	4	4.1	3.3	4.8
22	2.9	2.6	3.2	6.2	5.3	4.2	2.3	2.6	2	2.7	4.4	4.9	4.9	6.1	6	5.7	5.4	2.3	5.1	5.3	3.7	2.8	3.6	3.9	4.1
23	6	5	4.1	4.1	2.9	1.7	2.7	5	5.1	4.8	4.6	4.9	4.2	5.9	4.8	4.9	4	3.6	2	1.3	0.4	1.5	2	2.1	3.7
24	1.3	0.6	0.5	0.9	2.2	1.6	1.9	3.2	3.4	2.8	3.7	3.4	3.2	2.5	5.5	6.9	5.4	4.6	4.8	4	4.1	3.3	3.1	2.4	3.1
25	3.5	3	3.2	3.6	3.4	3.3	4.7	5.9	5.9	4.7	3.4	3.8	4.1	4.8	5.2	5.9	3.8	3.1	2.8	6.2	4.7	3.1	1.6	0.8	3.9
26	1	2.1	4.3	2.1	0.8	0.7	0.4	0.9	2.4	2.4	2.6	3.7	4	4.2	4.9	5.4	5.1	5.1	2.5	1.4	3.7	2.2	2.1	1.1	2.7
27	0.8	0.9	0.1	0	0	0.5	0.7	0.9	2.7	4.4	5	5.4	6.3	5.7	6.2	4.7	3.7	4.8	4.2	3	3	4.3	5.2	4.8	3.2
28	6	5.4	5.1	4.6	3.5	3.5	4.4	5.4	6	6.9	8.6	9.6	9.7	8.9	10.1	10.7	7.3	7.2	4.9	5.2	6.3	3.3	5.5	5.8	6.4
29	6.5	6.3	6.8	4.9	4	4.4	5.3	5.9	7.6	6.8	7	6.4	6.9	7.3	7.1	6.6	7.2	5.9	4.1	3.6	3.1	4	3.6	4.3	5.6
30	4.5	3.4	2.9	1.1	1.7	0.7	2.3	2.5	3.7	3.1	3.2	3.6	3.8	6	6.2	6.5	4.8	2.8	3.5	4.5	3.6	4.7	5.1	4.5	3.7
Avg	3.1	2.9	2.8	2.7	2.6	2.6	3.1	3.9	4.6	4.8	5	5.2	5.3	5.8	6	6.1	5.7	5	4.4	4	3.9	3.5	3.4	3.1	4.1
SD	1.8	1.8	1.8	1.6	1.4	1.4	1.5	1.5	1.7	1.6	1.6	1.7	1.6	1.5	1.4	1.4	1.5	1.6	1.4	1.6	1.7	1.4	1.6	1.7	0.9
S/A	0.59	0.63	0.63	0.59	0.54	0.55	0.49	0.39	0.36	0.33	0.33	0.33	0.3	0.26	0.24	0.23	0.26	0.31	0.33	0.41	0.43	0.38	0.46	0.55	0.23
Min	0.7	0.5	0.1	0	0	0.5	0.4	0.9	1.3	2.3	2.4	1.8	2.6	2.5	3.2	4.5	3.5	2.1	1.6	1.3	0.4	1.5	1.2	0.8	2.7
Max	7.2	8.6	7.9	6.4	7	6.9	7.1	6.6	7.8	7.3	8.6	9.6	9.7	9.5	10.1	10.7	8.7	7.6	7.8	8.8	9.7	8.3	8.2	8.1	6.4
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 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	1007	1007	1006	1006	1007	1008	1010	1011	1011	1012	1012	1012	1012	1012	1012	1012	1012	1012	1013	1014	1015	1015	1015	1016	1011
2	1015	1016	1016	1016	1016	1017	1018	1019	1019	1019	1019	1018	1017	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1016
3	1014	1014	1013	1013	1013	1012	1013	1013	1013	1013	1012	1012	1011	1010	1010	1009	1009	1008	1008	1011	1014	1016	1017	1017	1012
4	1017	1017	1019	1020	1020	1021	1022	1022	1022	1023	1023	1022	1022	1022	1021	1021	1021	1021	1021	1022	1022	1022	1021	1021	1021
5	1021	1021	1020	1021	1021	1021	1021	1022	1022	1022	1022	1021	1020	1020	1019	1018	1018	1018	1019	1019	1019	1018	1018	1018	1020
6	1018	1018	1018	1018	1018	1019	1019	1020	1020	1021	1021	1021	1021	1021	1021	1021	1021	1022	1023	1024	1025	1025	1025	1026	1021
7	1026	1026	1026	1026	1027	1027	1028	1028	1029	1029	1030	1029	1029	1028	1028	1028	1027	1027	1027	1028	1028	1028	1028	1028	1028
8	1027	1027	1026	1027	1027	1027	1028	1028	1029	1029	1029	1028	1027	1026	1025	1024	1023	1023	1024	1025	1025	1025	1026	1026	1026
9	1025	1025	1024	1024	1024	1024	1024	1024	1025	1025	1025	1024	1023	1022	1021	1021	1021	1021	1022	1022	1023	1023	1023	1023	1023
10	1022	1022	1022	1021	1022	1022	1023	1023	1024	1025	1025	1026	1026	1026	1026	1026	1026	1027	1027	1027	1028	1028	1028	1028	1025
11	1028	1028	1027	1027	1027	1027	1028	1028	1029	1029	1030	1029	1029	1029	1029	1028	1028	1028	1027	1028	1027	1027	1027	1027	1028
12	1027	1027	1026	1026	1026	1026	1027	1027	1028	1028	1028	1027	1027	1026	1025	1025	1024	1024	1024	1024	1024	1024	1025	1025	1026
13	1024	1024	1024	1023	1023	1023	1024	1024	1024	1024	1024	1023	1022	1022	1022	1021	1021	1020	1020	1021	1021	1021	1021	1021	1022
14	1021	1020	1020	1019	1019	1019	1020	1020	1021	1020	1020	1019	1018	1018	1017	1017	1016	1016	1016	1016	1016	1016	1017	1017	1018
15	1016	1016	1016	1016	1016	1017	1017	1018	1018	1019	1018	1018	1017	1017	1016	1016	1016	1017	1017	1017	1017	1018	1018	1018	1017
16	1018	1018	1018	1018	1018	1019	1020	1020	1020	1021	1021	1020	1020	1019	1019	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019
17	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1018	1017	1017	1016	1016	1016	1016	1017	1017	1017	1017	1017	1018
18	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016
19	1015	1015	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1014	1013	1012	1011	1011	1012	1014	1013	1014	1013	1013	1012	1014
20	1012	1011	1011	1011	1012	1011	1011	1011	1010	1010	1010	1010	1009	1009	1008	1007	1007	1007	1008	1008	1009	1009	1009	1009	1010
21	1009	1009	1009	1010	1011	1011	1012	1012	1012	1011	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1009	1008	1010
22	1008	1007	1006	1007	1007	1006	1006	1006	1006	1006	1006	1006	1005	1005	1005	1005	1005	1005	1006	1008	1009	1010	1011	1012	1007
23	1012	1013	1014	1014	1015	1016	1017	1018	1018	1019	1019	1018	1018	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1017
24	1020	1020	1020	1021	1022	1023	1023	1023	1024	1024	1024	1023	1023	1022	1021	1021	1021	1020	1021	1021	1021	1021	1021	1021	1022
25	1020	1019	1019	1018	1018	1017	1017	1016	1015	1015	1014	1013	1012	1012	1011	1011	1011	1011	1011	1011	1013	1014	1016	1017	1015
26	1018	1018	1019	1019	1020	1021	1022	1022	1023	1023	1023	1023	1023	1022	1022	1021	1021	1021	1021	1022	1022	1023	1023	1023	1021
27	1023	1023	1023	1023	1023	1024	1024	1025	1025	1025	1025	1025	1024	1024	1023	1023	1022	1021	1022	1021	1021	1021	1020	1019	1023
28	1018	1017	1016	1015	1014	1014	1013	1013	1012	1012	1011	1009	1008	1007	1006	1005	1004	1003	1003	1004	1004	1003	1003	1003	1009
29	1002	1002	1001	1002	1002	1003	1004	1005	1005	1005	1006	1005	1005	1005	1005	1006	1006	1007	1007	1008	1009	1010	1011	1011	1006
30	1012	1012	1013	1014	1014	1015	1016	1016	1016	1016	1016	1016	1015	1014	1013	1012	1011	1011	1011	1011	1011	1010	1010	1010	1013
Avg	1018	1018	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
S/D	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6
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	1002	1002	1001	1002	1002	1003	1004	1005	1005	1005	1006	1005	1005	1005	1005	1005	1004	1003	1003	1004	1004	1003	1003	1003	1006
Max	1028	1028	1027	1027	1027	1027	1028	1028	1029	1029	1030	1029	1029	1029	1029	1028	1028	1028	1027	1028	1028	1028	1028	1028	1028
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