

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

April 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	8	57	189	243	607	562	870	812	665	680	525	277	109	13	0	0	0	0	0	5619
2	0	0	0	0	0	5	74	274	480	662	800	865	874	803	701	527	324	115	12	0	0	0	0	0	6514
3	0	0	0	0	0	7	79	284	490	671	812	884	886	826	704	530	329	118	13	0	0	0	0	0	6633
4	0	0	0	0	0	6	70	274	478	660	781	838	822	762	592	390	192	69	7	0	0	0	0	0	5940
5	0	0	0	0	0	9	64	186	242	511	756	787	418	128 ?	294 ?	293	300	121	16	0	0	0	0	0	4126
6	0	0	0	0	0	10	80	266	443	574	816	901	907	685	559	352	170	121	15	0	0	0	0	0	5897
7	0	0	0	0	0	2	5 ?	?	54 ?	56 ?	60 ?	87	89	119 ?	72 ?	50 ?	50 ?	21	4	0	0	0	0	0	667 ?
8	0	0	0	0	0	1	15	58	75	103	190	235	218	170	131	75	35 ?	6 ?	2	0	0	0	0	0	1313
9	0	0	0	0	0	1	9 ?	31 ?	78	75	95	83	165	145	96	76	53	37	11	0	0	0	0	0	953
10	0	0	0	0	0	1	5 ?	45 ?	55	147	226	194	166	126	92	81	33 ?	11 ?	4	0	0	0	0	0	1186 ?
11	0	0	0	0	0	4	40	75	155	188	109	116	73	67 ?	49 ?	64	43 ?	10 ?	1	0	0	0	0	0	994 ?
12	0	0	0	0	0	6	62	194	395	698	834	907	912	852	739	565	356	135	17	0	0	0	0	0	6672
13	0	0	0	0	0	15	118	331	541	725	861	932	936	873	743	568	371 ?	156 ?	22	0	0	0	0	0	7192
14	0	0	0	0	0	16	126	333	539	722	857	927	927	864	740	564	357	141	21	0	0	0	0	0	7134
15	0	0	0	0	0	17	118	311	510	685	813	887	890	827	698	533	339	137	22	0	0	0	0	0	6788
16	0	0	0	0	0	18	121	326	533	711	839	905	904	844	726	550	342	138	20	0	0	0	0	0	6977
17	0	0	0	0	0	20	123	306	477	653	636	755	618	340	194	103	59	24	5	0	0	0	0	0	4313
18	0	0	0	0	0	6	28	71	192	258	478	543	251	404	338	135	122	47	5	0	0	0	0	0	2877
19	0	0	0	0	0	6	37	91	135	265	319	403	343	476	592	532	332	85	16	0	0	0	0	0	3633
20	0	0	0	0	0	15	134	223	500	746	882	932	891	820	613	543	227	109	23	0	0	0	0	0	6658
21	0	0	0	0	0	11	47	139	244	306	716	919	703	725	436	368	342	102	13	0	0	0	0	0	5069
22	0	0	0	0	0	12	30	117	202	527	684	696	453	520	291	149	218	54	20	0	0	0	0	0	3972
23	0	0	0	0	0	12	145	371	578	755	897	971	962	897	768	589	386	169	29	0	0	0	0	0	7529
24	0	0	0	0	0	28	169	389	597	777	915	979	963	913	777	430	271	161	23	0	0	0	0	0	7392
25	0	0	0	0	0	11	37	102	184	280	292	395	298	209	163	99	40	22 ?	4	0	0	0	0	0	2136
26	0	0	0	0	0	5	54	130	323	553	743	602	548	293	223	60 ?	71 ?	69 ?	40	0	0	0	0	0	3711 ?
27	0	0	0	0	0	3	16 ?	71	276	658	389	594	881	859	720	571	385	173	31	0	0	0	0	0	5626
28	0	0	0	0	0	38	205 ?	375	578	754	880	944	948	876	778	584	375	170	31	0	0	0	0	0	7536
29	0	0	0	0	0	31	163	370	569	724	850	915	910	848	718	546	306	87 ?	14	0	0	0	0	0	7050
30	0	0	0	0	0	16	126	359 ?	560	721	851	925	919	855	750	570	372	168	20	0	0	0	0	0	7213
Avg	0	0	0	0	0	11	79	217	357	526	631	700	656	593	499	367	236	96	16	0	0	0	0	0	4977
S D	0	0	0	0	0	9	55	119	187	240	281	299	316	305	266	213	132	55	10	0	0	0	0	0	2311
S/A	0	0	0	0	0	0.8	0.69	0.55	0.52	0.46	0.45	0.43	0.48	0.51	0.53	0.58	0.56	0.57	0.61	0	0	0	0	0	0.46
Min	0	0	0	0	0	1	5	31	54	56	60	83	73	67	49	50	33	6	1	0	0	0	0	0	667
Max	0	0	0	0	0	38	205	389	597	777	915	979	963	913	778	589	386	173	40	0	0	0	0	0	7536
n	0	0	0	0	0	176	334	330	348	352	351	358	355	348	343	343	326	318	212	0	0	0	0	0	4495

Daylight Data Recovery: 0.0% missing; 4.5% exceed the 15% QC threshold -- 4708 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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	23	97	58	49	463	132	731	599	434	708	653	448	375	81	0	0	0	0	0	4852
2	0	0	0	0	0	18	320	622	743	813	853	849	855	826	860	803	695	475	120	0	0	0	0	0	8852
3	0	0	0	0	0	35	375	662	767	826	868	881	881	866	851	800	699	477	127	0	0	0	0	0	9115
4	0	0	0	0	0	17	211	533	690	758	741	667	566	550	360	221	40	1	0	0	0	0	0	0	5356
5	0	0	0	0	0	4	101	139	37	385	654	500	81	0	20	65	368	454	121	0	0	0	0	0	2929
6	0	0	0	0	0	27	220	402	414	290	590	614	730	397	303	176	6	184	30	0	0	0	0	0	4383
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	5
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
10	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	6
11	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
12	0	0	0	0	0	0	6	15	116	647	857	870	879	877	877	825	718	504	157	0	0	0	0	0	7348
13	0	0	0	0	0	80	415	651	751	814	854	868	871	869	849	802	713 ?	503 ?	144	0	0	0	0	0	9182
14	0	0	0	0	0	35	418	661	760	816	850	861	858	845	830	781	663	394	55	0	0	0	0	0	8825
15	0	0	0	0	0	52	312	529	652	706	745	773	777	764	730	685	592	400	108	0	0	0	0	0	7826
16	0	0	0	0	0	67	344	571	697	758	787	794	794	790	779	724	602	402	94	0	0	0	0	0	8203
17	0	0	0	0	0	58	295	452	446	481	203	275	108	0	0	0	0	0	0	0	0	0	0	0	2319
18	0	0	0	0	0	0	0	0	1	1	6	86	35	31	9	0	1	0	0	0	0	0	0	0	171
19	0	0	0	0	0	0	0	0	0	2	2	2	2	23	265	476	388	0	0	0	0	0	0	0	1160
20	0	0	0	0	0	0	276	13	357	731	809	807	738	634	440	430	59	29	23	0	0	0	0	0	5348
21	0	0	0	0	0	0	0	0	2	3	225	733	410	410	103	127	434	121	0	0	0	0	0	0	2568
22	0	0	0	0	0	0	0	4	3	225	349	368	183	288	109	3	172	28	6	0	0	0	0	0	1737
23	0	0	0	0	0	0	361	648	739	802	838	866	865	848	825	774	684	496	163	0	0	0	0	0	8909
24	0	0	0	0	0	145	506	701	796	850	881	879	842	840	821	272	166	403	62	0	0	0	0	0	8166
25	0	0	0	0	0	0	0	1	2	4	1	9	1	1	0	0	0	0	0	0	0	0	0	0	19
26	0	0	0	0	0	0	2	1	30	215	341	85	94	14	2	0	0	3	103	0	0	0	0	0	892
27	0	0	0	0	0	0	0	0	19	439	94	293	654	694	610	723	682	488	167	0	0	0	0	0	4863
28	0	0	0	0	0	44	388 ?	628	736	783	814	813	816	755	726	718	600	421	127	0	0	0	0	0	8369
29	0	0	0	0	0	108	386	572	671	700	748	755	743	712	667	595	290	35	0	0	0	0	0	0	6983
30	0	0	0	0	0	2	151	454 ?	634	665	705	706	702	690	734	664	573	399	57	0	0	0	0	0	7135
Avg	0	0	0	0	0	24	173	277	337	439	465	503	469	439	416	377	320	220	58	0	0	0	0	0	4518
S/D	0	0	0	0	0	37	176	293	340	340	366	359	370	365	364	342	295	217	61	0	0	0	0	0	3519
S/A	0	0	0	0	0	1.53	1.02	1.06	1.01	0.77	0.79	0.71	0.79	0.83	0.87	0.91	0.92	0.99	1.05	0	0	0	0	0	0.78
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	2
Max	0	0	0	0	0	145	506	701	796	850	881	881	881	877	877	825	718	504	167	0	0	0	0	0	9182
n	0	0	0	0	0	176	357	357	359	359	360	360	360	360	360	359	357	356	211	0	0	0	0	0	4691

Daylight Data Recovery: 0.0% missing; 0.4% exceed the 15% QC threshold -- 4708 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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	9 ?	51	161	217	281	430	199	257	281	159	151	106	45	11	0	0	0	0	0	2356
2	0	0	0	0	0	6 ?	31	60	73	80	82	89	90	93	71	65	56	34	8	0	0	0	0	0	840
3	0	0	0	0	0	6	29	56	70	77	79	80	80	81	76	68	56	34	9	0	0	0	0	0	800
4	0	0	0	0	0	8 ?	39	84	95	111	148	206	274	265	292	236	172	70	8	0	0	0	0	0	2008
5	0	0	0	0	0	11 ?	48	146	224	206	187	308	337	109 ?	240 ?	262	167	40	13	0	0	0	0	0	2299
6	0	0	0	0	0	9	42	109	202	336	284	312	218	314	306	232	169	96	13	0	0	0	0	0	2641
7	0	0	0	0	0	4 ?	9	21 ?	37 ?	48	50	85	85	105	64	46	44	21	4	0	0	0	0	0	621
8	0	0	0	0	0	1	15	60	78	108	199	246	227	177	137	78	33	11 ?	2	0	0	0	0	0	1371
9	0	0	0	0	0	1	11	27	76	78	98	87	162	151	100	80	56	36	11	0	0	0	0	0	974
10	0	0	0	0	0	1	8	29	58	153	235	202	173	131	96	84	25	13 ?	4	0	0	0	0	0	1211
11	0	0	0	0	0	6	41	77	160	195	114	122	76	64	49	62	40	13	2	0	0	0	0	0	1020
12	0	0	0	0	0	7	61	190	308	180	77	80	74	73	68	67	58	38	10	0	0	0	0	0	1292
13	0	0	0	0	0	14	44	70	88	96	98	101	102	95	91	86	97 ?	84 ?	24	0	0	0	0	0	1089 ?
14	0	0	0	0	0	14	45	66	83	93	99	103	105	103	98	87	75	54	17	0	0	0	0	0	1042
15	0	0	0	0	0	16	56	94	115	138	145	143	142	135	127	112	87	52	15	0	0	0	0	0	1376
16	0	0	0	0	0	16	54	89	106	119	132	139	138	131	119	104	85	52	14	0	0	0	0	0	1298
17	0	0	0	0	0	15	60	120	191	259	427	456	494	347	199	106	61	24	5	0	0	0	0	0	2764
18	0	0	0	0	0	7	28	74	198	265	477	436	179	376	333	140	125	48	6	0	0	0	0	0	2692
19	0	0	0	0	0	8	38	94	140	270	326	411	352	452	355	220	145	86	16	0	0	0	0	0	2913
20	0	0	0	0	0	18	66	216	237	152	129	136	169	213	236	252	194	103	22	0	0	0	0	0	2141
21	0	0	0	0	0	11	49	144	252	315	467	191	280	321	351	289	150	69	13	0	0	0	0	0	2901
22	0	0	0	0	0	14	31	118	206	334	361	328	269	257	198	153	148	50	19	0	0	0	0	0	2487
23	0	0	0	0	0	13	58	83	99	109	116	112	109	104	101	91	75	50	17	0	0	0	0	0	1137
24	0	0	0	0	0	19	54	74	85	91	93	102	123	121	109	236	206	57	16	0	0	0	0	0	1386
25	0	0	0	0	0	11	36	98	176	264	286	370	290	205	159	97	38	18	4	0	0	0	0	0	2050
26	0	0	0	0	0	5	54	132	300	353	392	493	437	281	225	63 ?	72 ?	48	41 ?	0	0	0	0	0	2897 ?
27	0	0	0	0	0	3	14	75	260	284	296	292	219	200	213	101	72	53	19	0	0	0	0	0	2103
28	0	0	0	0	0	22	62 ?	90	99	113	118	127	135	171	188	118	97	65	21	0	0	0	0	0	1427
29	0	0	0	0	0	24	68	104	127	145	151	162	168	175	174	157	167	62	14	0	0	0	0	0	1697
30	0	0	0	0	0	17	81	124 ?	143	167	192	209	207	189	148	136	107	67	14	0	0	0	0	0	1802
Avg	0	0	0	0	0	10	43	96	150	181	210	211	199	191	169	133	99	50	13	0	0	0	0	0	1755
S D	0	0	0	0	0	6	19	45	76	92	131	125	107	101	90	71	52	24	8	0	0	0	0	0	720
S/A	0	0	0	0	0	0.6	0.44	0.47	0.51	0.51	0.63	0.59	0.54	0.53	0.53	0.53	0.48	0.62	0	0	0	0	0	0	0.41
Min	0	0	0	0	0	1	8	21	37	48	50	80	74	64	49	46	25	11	2	0	0	0	0	0	621
Max	0	0	0	0	0	24	81	216	308	353	477	493	494	452	355	289	206	103	41	0	0	0	0	0	2913
n	0	0	0	0	0	156	357	347	356	359	358	360	360	357	354	349	342	340	208	0	0	0	0	0	4603

Daylight Data Recovery: 0.0% missing; 2.2% exceed the 15% QC threshold -- 4708 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

April 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	4.8	4.2	4.1	3.8	3.7	3.4	4.6	6.3	8.8	11.3	12.5	14.2	15.8	16.7	17.7	18.8	19	18.8	17.7	15.3	14.5	14.6	15.3	15	11.7
2	14.9	14.9	14.7	14	13.3	12.9	12.9	14.4	16.5	18.7	21.3	23.8	24.6	25.4	25.6	25.9	25.6	24.9	23	20.4	19.3	18	17.1	16.4	19.1
3	15.8	15.1	14.4	13.7	13.4	13.3	13.2	15	17.4	19.3	21.2	23.2	24.8	26	26.7	27.1	27.2	26.5	24.6	21.8	20	18.7	18	17.3	19.7
4	16.7	15.9	15.8	15.7	15.4	14.6	14.7	16.4	17.9	19.6	21.1	22.9	24.5	25	25.8	25.8	25.2	24.1	18.4	12.9	12.1	12.2	14.7	17.7	18.5
5	17.4	16.6	16.1	15.7	15.7	15.9	16.5	17.8	18.8	20.5	23.1	24.8	25.7	22	18.3	19.7	21.1	21.7	20.5	19.1	18.8	18.4	18.5	18.1	19.2
6	17.7	17.1	15.9	13.9	12.6	11.6	11.3	11.5	11.6	11.4	11.4	11.5	11.9	11.8	11.1	10.3	9.5	9.2	8.3	7.7	7.5	7.4	7.2	7.3	11.1
7	7.7	8.1	8.3	7.9	7.4	8.3	9.1	9.3	9.4	9.5	9.4	9.3	9.4	9.7	10	10	9.9	9.7	9.5	9.2	8.8	8.4	8.1	7.7	8.9
8	7.4	7.1	6.9	6.8	6.9	6.9	7.1	7.4	7.2	7.1	7.3	7.5	7.7	7.8	7.7	7.3	7.1	6.8	6.5	6.5	6.5	6.5	6.6	6.7	7
9	6.8	6.8	6.8	6.9	7.2	7.4	7.5	7.2	6.9	7	7.1	7.2	7.3	7.6	7.5	7.4	7.5	7.4	7	6.7	6.5	6.3	6.2	6.3	7
10	6.3	6.6	6.8	6.9	6.9	7	7.2	7.4	7.7	8	8.8	9	9.2	9.3	9.5	9.8	9.8	10.2	10.3	10.3	10.3	10.4	10.2	10	8.7
11	9.6	9	9.2	9.1	8.9	8.8	9	9.2	9.5	10.1	10.2	9.9	9.5	9.1	8.8	8.5	8.2	7.7	7.3	7.2	7.1	6.9	7	7.2	8.6
12	7.4	7.8	8	8.4	8.7	9	9.5	10.4	11.7	13.7	15.7	16.9	18.2	19.8	20.9	21.7	22.1	21.9	19.4	13.8	12.5	11.9	11.6	10.9	13.8
13	10.3	10.6	11.8	10.6	9.9	10.9	11.6	12.6	14.1	15.1	15.5	15.7	16	16.6	17.1	16.6	16.5	15.2	13.3	11.8	11	10.3	10	9.6	13
14	9.1	8.8	8.7	8.4	7.3	6.9	8.3	10.9	13.6	15.2	16	16.7	17.1	17.2	16.9	16.7	16.4	15.6	14	12.3	11.2	10.8	10.6	10.6	12.5
15	9.9	10.1	10.4	10	9.8	9.7	10.8	13.9	17	19.6	20.8	22	23.1	24.1	24.5	24.6	24.5	23.1	20.4	18.9	17.9	17.5	16.8	16.3	17.3
16	15.9	15.4	15	14.8	14.7	14.7	15.1	17.1	19.3	21.3	22.7	24.1	25.2	26	26.5	27.1	26.7	25.3	22.7	20.7	19.4	18.3	17.4	16.5	20.1
17	16	15.5	14.9	14.7	14.4	13.9	14.5	16.3	18.3	17.8	16	15.1	13.8	12.4	11.7	10.8	9.9	9.2	9	9.2	9.6	9.6	9.7	9.7	13
18	9.8	9.6	9.7	9.9	10	9.8	10	10.5	11.3	12.3	13.7	14.7	13.5	13.5	14	13.2	13.1	12.9	12.6	12	12.2	12.1	11.8	11.7	11.8
19	11.7	11.7	11.5	11.1	10.9	10.5	10.4	9.8	9.8	10.4	10.2	10.3	10.6	11.6	12.9	13.5	13.6	12.6	11.1	9.3	8.9	8.6	8.2	7.9	10.7
20	7.4	7.3	6.9	6.6	6.8	7	7.8	8.7	10.6	12.6	14.5	15.8	16.5	17.1	16.9	16.6	15	13.6	11.4	10.4	9.9	9.4	9	8.9	11.1
21	8.8	8.6	8.5	8.5	8.6	8.7	8.7	8.9	9.6	10.8	12.7	16.1	18	18.5	19.5	19.4	19.6	17.8	16.5	16.3	16.9	16.6	16.2	16.2	13.7
22	16.4	16.2	16.3	16.5	16.4	17.1	17.2	17.5	18.5	19.9	21.7	22.6	23	23.3	21	20.2	20.1	19.4	18.3	16.9	16.5	16.3	15.4	14.8	18.4
23	14.3	14.2	13.9	12.9	12.3	11.9	11.8	12.4	13.3	14.2	15.1	16.2	17	17.8	18.8	19.5	19.4	19.1	18	15.2	13	12	11.6	11.5	14.8
24	10.9	10.2	10.1	9.7	8.8	8.8	10.7	12.3	13.5	15.2	16.5	17.7	18.1	19.2	19.9	20	19.7	19.9	18.4	16.6	14.9	14.6	14.6	14.1	14.8
25	13.8	13.9	13.7	13.9	14.4	14.7	15.2	15.9	17	18.3	18.6	18.6	18.6	16.8	16.3	15.9	15.7	15.5	15.4	15.7	15.7	16	16.4	16.4	15.9
26	16.7	16.9	17.1	16.8	16.4	16.4	16.5	17.1	18.1	19.3	20.7	21.8	22.5	23	23	19.3	14.9	15.4	15.9	15.6	15.3	15	14.9	15.4	17.7
27	15.4	15.4	15.1	14.9	14.9	14.2	13.8	14	15	17.5	18	18.7	20.1	20.8	21.5	20.9	20.9	20.1	18.3	16.4	15.2	14.7	14.3	13.8	16.8
28	13.3	12.8	12.5	12.1	11.8	11.5	12.8	14.9	17.3	19.3	20.6	21.6	22.8	23.8	24.1	24	23.2	21.9	21	19.5	18.5	18.1	17.7	17.2	18
29	16.7	16	15.5	15.1	14.8	14.7	15.7	17.7	19.9	21.9	23.3	24.4	25.5	26.5	27.3	27.6	27.2	26.4	20.5	19.6	19.3	18.6	18.3	18.1	20.5
30	17.7	17.4	17.3	17.3	17.1	16.8	17.8	19.9	21.3	22.8	23.4	23.6	23.4	23.3	23.8	23	22.7	22.2	20.3	18.5	17.8	17.6	17.7	18.1	20
Avg	12.2	12	11.8	11.6	11.3	11.2	11.7	12.8	14	15.3	16.3	17.2	17.8	18.1	18.2	18	17.7	17.1	15.7	14.2	13.6	13.2	13	12.9	14.5
S D	4.1	4	3.8	3.7	3.7	3.6	3.5	3.8	4.3	4.7	5.1	5.5	5.9	6	6.2	6.2	6.3	6.1	5.3	4.6	4.3	4.2	4.1	4	4.2
S/A	0.33	0.33	0.32	0.32	0.32	0.32	0.3	0.3	0.31	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.34	0.32	0.32	0.32	0.31	0.31	0.29
Min	4.8	4.2	4.1	3.8	3.7	3.4	4.6	6.3	6.9	7	7.1	7.2	7.3	7.6	7.5	7.3	7.1	6.8	6.5	6.5	6.5	6.3	6.2	6.3	7
Max	17.7	17.4	17.3	17.3	17.1	17.1	17.8	19.9	21.3	22.8	23.4	24.8	25.7	26.5	27.3	27.6	27.2	26.5	24.6	21.8	20	18.7	18.5	18.1	20.5
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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	63.6	67.9	69	72.2	73.8	77.1	72	64.5	56.1	45.9	41.6	36.8	33.7	33.1	34.7	36.6	37.5	39.7	45.3	63.6	68.1	65.5	57.3	59.9	54.8
2	60.7	59.3	60.1	63.4	67.4	69.8	70.5	66.3	61.4	57	49.8	40.6	38.7	40.3	36.9	34.9	36.3	38	43.4	61.6	69.2	75.6	80.9	82.8	56.9
3	84.3	85.2	87.6	89.8	88.7	88.1	92.1	83	70	62.1	55.9	50.1	45.7	41.9	38.7	36.2	36.3	38.3	43.8	63	73.1	78.6	81.5	83.2	66.6
4	84.1	85.5	82.3	81.4	82.6	86.2	86.8	79.9	74.2	69.1	64.9	59.5	54	49.3	41.7	42.2	45.7	51.6	74.7	97.1	99.5	101.1	94.9	81.9	73.8
5	79.9	82.1	84.5	87.2	90.2	91.5	90.4	85.9	82.8	78.5	71	66	61.7	81.1	102	94.7	85.2	77.9	82.1	90.2	90.8	91.7	89.8	91.1	84.5
6	92.5	94.2	83.8	82.4	83.1	91.2	80.1	78.5	76.1	76.5	72.3	72.5	70.2	69.5	68.8	71.1	69.1	71.4	74.5	85.1	89.8	90.8	91.5	90.6	80.2
7	84.1	78.2	80.6	89.2	98.5	99.9	100.8	104.5	?	?	?	?	?	104.8	105 ?	105 ?	?	?	105 ?	104.8	104.5	104.7	104.8 ?	?	98.4 ?
8	104.5	104.1	104.1	104.7	104.4	104.8	104.6	102.8	102.6	102.5	100.1	98.8	98.4	98.6	99.2	100.9	101.7	102.6	103.8	103.8	103.3	104.4	?	?	102.5
9	?	?	?	?	?	?	?	?	?	104.8	104.6	104.4	103.6	101.3	101.5	101.3	101.2	102.7	103.8	103.5	104.2	103.5	102.6	102.4	103 ?
10	104.3	104.8	104.2	103.8	104.6	104.7	104.8	104.5	103.6	102.5	100.4	99.6	99.3	100.2	101.5	103.3	104.6	104.9 ?	?	?	?	?	?	?	103.1 ?
11	?	?	?	?	?	?	?	?	?	104.5	104.2	103.8	102.8	103.4	104.4	104.7	104	104.5	105 ?	104.9 ?	104.7	104.4	104.3	104.1	104.2 ?
12	103.4	100.5	99.1	96.9	96.4	95.8	94.4	92.2	86	75.8	62.2	57.4	53.1	49.8	41.8	33.2	33.9	38.1	53.2	84.2	91.2	98.3	101	102.3	76.7
13	100.9	97.3	87.1	92.7	94.8	80.8	72.9	69	55.1	49.9	46.1	47.2	47.4	47.5	49.2	49.8	51.4	59	68.5	73.1	81.9	87.1	89.3	89.9	70.3
14	93.1	96.3	99.6	100.6	102.9	104.4	102.7	83.5	61.8	48	40.3	38.4	38.2	36.7	36.2	35.4	37.4	40.9	54.8	67.7	81.6	86	89.6	92.5	69.5
15	96.7	98.4	99.5	100.9	102.2	103.6	102.8	97.5	88.3	74.9	69.5	66.3	63.2	59.3	59.4	59.7	58.7	63.2	71	73.4	77	79.6	86	89.9	80.9
16	93.7	96.2	97.4	96.6	92.4	89.4	89.3	83.8	73.6	63.9	60.2	57.7	55.7	52.5	44.2	42.8	49.1	57	69.6	73.1	79.3	85.5	90	93.1	74.4
17	93.9	95.7	97.8	98.7	99.5	101.4	100.7	96.1	86.8	82.5	83.5	84.5	86.6	95	97.8	99.7	101.2	102.9	104.5 ?	?	?	?	?	?	95.2 ?
18	?	?	?	?	?	?	?	?	104.5 ?	102.4	99.2	97.1	101.9	101.9	99.9	103.3	104.8 ?	104.7	104.6	104.8 ?	105 ?	105 ?	?	?	102.8 ?
19	?	104.8	104.7	103.8	103.4	103.5	103.2	104.2	103.5	98.5	97.3	96.1	96.3	93.3	88.2	84.3	83.4	89.1	91.4	96	96.9	97.8	98.2	99.6	97.3
20	102	103.4	103.9	104.8	103.8	103.1	100.4	97.8	92.9	86	79.7	76.9	75.3	74.4	76.6	77.8	83.3	88.9	95.9	99.2	101.2	104 ?	?	?	92.3 ?
21	?	?	?	?	?	?	?	?	?	?	102.1 ?	90.9	84.7	85.7	78.9	78.1	75.2	82.9	93.2	97.4	92.9	93.9	97.5	99.3	89.5 ?
22	99.8	101.2	101.6	102.9	104.9 ?	104.4	104.7	104.9	102.6	95.3	83.5	77.1	71.8	62.2	82.7	73	69.6	72.8	76.2	86	91.1	89.5	80.4	81.3	88.3
23	85.9	80.7	76.7	66.5	66.8	70.8	71	66.6	61.3	58.8	55.7	49.9	45	40.8	39.5	35.6	33.3	35.7	41.6	63	90.7	96.1	93.1	80.6	62.7
24	77.8	78.3	70	65.9	66.9	61.7	49.1	39.5	32.8	28.1	25.7	23.6	23.6	22.4	23	24.4	27.6	29.4	35.2	43.8	61.6	77.5	78.5	82.7	47.9
25	87.3	89	92.2	92.3	89.5	88.9	88.6	87.2	82.8	75.9	79.3	82.7	76.3	79.6	91.2	96.7	102.8	103.8	104.9 ?	?	?	?	104.7	105 ?	90.5 ?
26	?	?	?	?	?	?	?	104.6 ?	101.6	95.7	87.4	82.6	78.6	75.9	78.5	91	104.3 ?	?	103.8	104.1	104.8 ?	?	?	?	93.3 ?
27	104.9 ?	104	103.2	102.9	102.5	103.9	?	104.8 ?	101.6	87	80.6	77.4	69	65.4	62.3	68.6	66.4	70.2	77	90.3	98.2	98.5	99.6	101.5	88.7 ?
28	103.2	104.5	?	?	?	?	?	102.1	90.5	74	71	65.9	57.8	56.6	56	55.9	63.2	64.2	69.7	76.4	76.4	73.5	77	81	74.7 ?
29	79.5	82.8	85.9	88.9	92.8	94.3	93.6	90.2	84.2	75.5	69.6	68.1	64.2	60.3	58.6	57.4	58	61.4	98.1	102.1	102.7	104	104.3	104.8	82.6
30	104.7 ?	?	?	?	?	?	103.8 ?	96.3	85.3	75.6	69	66	64.7	60.4	54.4	66.1	70.3	74.3	85.2	93.5	98.5	101.5	103.2	104	83 ?
Avg	91	91.4	90.2	90.8	91.8	92.1	90.4	88.1	81.6	76.8	73.3	70.3	67.6	68.1	68.4	68.8	68.8	70.4	78.6	85.4	90.3	92.2	91.7	91.5	83 ?
S D	12.6	12.5	12.9	13.2	12.8	12.8	14.9	16.5	18.7	20.2	21.3	21.9	22.6	24.3	26.3	27	26.6	25.4	23	17.3	13.1	11.6	11.6	11.3	15.5
S/A	0.14	0.14	0.14	0.15	0.14	0.14	0.16	0.19	0.23	0.26	0.29	0.31	0.33	0.36	0.38	0.39	0.39	0.36	0.29	0.2	0.14	0.13	0.13	0.12	0.19
Min	60.7	59.3	60.1	63.4	66.8	61.7	49.1	39.5	32.8	28.1	25.7	23.6	23.6	22.4	23	24.4	27.6	29.4	35.2	43.8	61.6	65.5	57.3	59.9	47.9
Max	104.9	104.8	104.7	104.8	104.9	104.8	104.8	104.9	104.5	104.8	104.6	104.4	103.6	104.8	105	105	104.8	104.9	105	104.9	105	105	104.8	105	104.2
n	275	287	276	275	270	273	267	293	303	334	341	348	348	360	350	350	338	327	323	316	309	298	283	265	7411

Data Recovery: 0.0% missing; 14.2% 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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.4	2.8	2.4	2.2	2	1.5	1.9	3.9	6.5	9.6	12.6	14.6	16.3	17.4	18.3	19.5	20.3	20.2	19.1	16.9	14.8	13.9	13.8	14.1	11.2
2	14	14	13.9	13.7	13.1	12.4	12.1	13.4	15.9	18.5	21.3	24.2	26.4	27.1	27.6	27.9	27.8	27.2	25.3	22.1	19.6	18.1	16.9	15.9	19.5
3	15.1	14.4	13.7	12.9	12.2	11.7	11.8	13.6	16.5	19.4	21.9	24.2	26	27.2	28.1	28.9	29.2	28.8	26.9	23.6	20.7	18.9	17.7	16.8	20
4	16.1	15.3	14.7	14.6	14.5	14.1	13.6	14.9	17.5	20	22.3	24.2	25.8	26.8	27.3	27.7	27.1	25.8	23.8	18.3	14.6	12.9	12.5	13.8	19.1
5	15.3	15.6	15.2	14.8	14.5	14.6	15	16.5	18.4	20.1	23.1	25.7	27.3	26.7	22.3	20.1	21	22.8	22.4	19.9	18.2	17.6	17.3	17.3	19.2
6	17	16.5	15.9	14.6	12.9	11.5	10.8	11.4	12.7	13.8	14.6	15.3	15.8	15.6	15.1	14.2	12.5	11	10.2	8.3	7.1	6.7	6.5	6.4	12.3
7	6.9	7.6	8.1	8.2	7.4	7.2	7.8	8.5	9.1	9.5	9.7	9.7	9.8	10	10.2	10.3	10.4	10.3	10.1	9.7	9.3	8.9	8.6	8.4	9
8	8.1	7.9	7.6	7.3	7.2	7.2	7.1	7.2	7.4	7.7	8	8.6	9.1	9.3	9.3	9	8.4	7.8	7.3	6.8	6.6	6.5	6.5	6.6	7.7
9	6.7	6.8	6.9	6.9	7	7.2	7.4	7.5	7.4	7.3	7.3	7.5	7.6	7.8	8	8.2	8.2	8.1	7.8	7.4	7	6.7	6.4	6.4	7.3
10	6.5	6.5	6.6	6.8	6.9	6.9	7	7.1	7.4	7.6	8.6	9.5	10.1	10.3	10.3	10.2	10.1	10	10.3	10.3	10.4	10.4	10.5	10.4	8.8
11	10.3	9.9	9.5	9.5	9.4	9.1	9.1	9.3	9.7	10.3	11.1	11.3	11.1	10.4	9.7	9.3	8.9	8.4	8	7.6	7.4	7.2	7	7.1	9.2
12	7.1	7.2	7.3	7.6	8.2	8.5	8.9	9.8	11.4	13.8	16.6	18.7	19.9	20.8	22.1	23.3	24.2	24.2	22.5	17.9	14.1	11.8	10.8	10.3	14.5
13	9.5	8.9	8.8	8.8	8.3	8	8.9	11.3	13.8	16	17.7	18.5	18.9	19	19.9	20.6	20.6	19.5	17	13.5	11.2	9.8	8.9	8.3	13.6
14	7.4	6.8	6.4	6.2	5.7	5.3	5.8	8.3	12	15.9	18.6	19.8	20.2	20	19.9	20	19.9	19.1	16.9	13.8	11.6	10.1	9.3	9	12.8
15	8.6	8.1	8.2	8.4	8.2	7.9	8.5	11.2	15.4	19.4	22.5	24.3	25.3	26	26.9	27.6	27.7	27	24.4	20.8	18.5	17.3	16.5	15.8	17.7
16	15.3	14.8	14.2	13.8	13.6	13.5	13.9	15.8	18.6	21.4	23.7	25.5	26.7	27.6	28.4	29.1	29.6	29	26.5	22.8	20.3	18.6	17.3	16.2	20.7
17	15.3	14.7	14.1	13.8	13.5	13	13.1	15.1	18.2	20.5	21.1	20.1	19.2	17.4	15.5	13.9	12.5	11.1	10.1	9.7	9.6	9.7	9.8	9.8	14.2
18	9.9	10	9.9	10	10.1	10.2	10.2	10.4	11.1	12.3	13.8	15.8	16.2	14.8	15	15.5	14.4	13.9	13.4	12.9	12.5	12.4	12.2	12	12.5
19	11.9	11.8	11.7	11.4	11.1	10.9	10.8	10.9	10.7	11.1	11.9	12.3	12.7	13.3	14.7	16	16.6	15.7	13.9	11.3	9.3	8.3	7.7	7.1	11.8
20	6.7	6.8	6.6	6	5.7	5.7	6.1	7.7	9.9	13.1	16	18.1	19.2	19.5	20.3	20.6	19.9	17.4	14.9	12.2	10.7	10.3	10	9.7	12.2
21	9.4	9.2	9.1	8.9	8.9	8.9	9.1	9.5	10.4	12.3	14.9	18.7	21.5	21.6	22.2	22.5	22.6	22.2	19.3	17.3	16.8	16.7	16.4	16	15.2
22	16	15.9	15.8	16.1	16.2	16.4	16.8	17.2	18.1	19.8	23.4	26.2	27.3	26.5	26.1	23.6	22.3	21.7	20.1	17.8	16.4	16	15.7	15	19.4
23	14.2	13.7	13.7	13.4	12.8	12.2	11.8	12.8	14.5	16.3	18.1	19.3	19.7	20	20.8	21.9	22.3	21.8	20.2	16.8	13.5	11.4	9.8	8.9	15.8
24	8.5	8.1	7.2	6.9	6.3	5.9	7	10.4	13.3	15.8	18.4	20.2	21	21	21.8	22.4	21.8	21.5	20.4	17.3	14.5	13.1	13.1	12.8	14.5
25	12.2	12.1	12.1	12.2	12.9	13.3	13.9	14.7	15.9	17.8	19.4	20	20.6	19.4	17.6	16.7	16	15.7	15.6	15.6	15.7	15.8	16.1	16.3	15.7
26	16.5	16.6	16.9	17	16.9	16.7	16.6	16.9	18.2	20	22.1	24.1	25.3	25.9	25.6	24.5	19.4	16.8	16.3	15.9	15.3	15.1	14.7	14.9	18.7
27	15.3	15.3	15.1	14.9	14.9	14.9	14.6	14.4	14.6	16.8	19.8	20.7	21.9	23	24.3	25.3	25.3	24.6	22.4	18.7	15.5	14.1	13.4	12.8	18
28	12.4	11.8	11.2	10.7	10.5	10.3	11.1	13.8	16.9	20.4	23.1	24.9	25.7	26.3	27.6	28.1	27.7	26.3	24.1	21.1	18.9	17.6	16.9	16.3	18.9
29	15.7	15.2	14.5	14	13.7	13.6	14.3	16.7	19.5	22.2	24.4	26	27.1	27.9	29.1	30.2	30.3	29.2	25.8	21.7	19.9	18.9	18.2	17.7	21.1
30	17.3	17.1	16.9	16.6	16.5	16.4	16.6	18.2	21.2	24.1	25.9	26.8	26.9	26.4	26.6	27	26.6	25.8	24	20.8	18.6	17.5	17.1	17.2	21.2
Avg	11.6	11.4	11.1	10.9	10.7	10.5	10.7	11.9	13.7	15.8	17.7	19.2	20	20.2	20.3	20.5	20.1	19.4	18	15.6	14	13.1	12.6	12.3	15.1
S D	4	4	3.9	3.8	3.8	3.8	3.7	3.7	4.2	4.8	5.4	5.8	6.2	6.4	6.5	6.8	6.9	6.9	6.2	5	4.4	4.1	4	3.9	4.3
S/A	0.35	0.35	0.35	0.35	0.35	0.36	0.34	0.31	0.3	0.3	0.3	0.31	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.32	0.31	0.31	0.31	0.31	0.28
Min	3.4	2.8	2.4	2.2	2	1.5	1.9	3.9	6.5	7.3	7.3	7.5	7.6	7.8	8	8.2	8.2	7.8	7.3	6.8	6.6	6.5	6.4	6.4	7.3
Max	17.3	17.1	16.9	17	16.9	16.7	16.8	18.2	21.2	24.1	25.9	26.8	27.3	27.9	29.1	30.2	30.3	29.2	26.9	23.6	20.7	18.9	18.2	17.7	21.2
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

April 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	2.2	2	2	2.3	1.6	1.3	3	3.7	3.7	5	5.5	6.7	6.7	7.1	7.6	6.5	6.7	5.8	4	3.2	3.6	4.6	5.4	4.4	4.4
2	5.5	5.1	4.7	4.4	3.7	3.2	3.2	4.3	4.6	4.3	4.1	2.8	3.3	3.8	4.7	5.5	5.3	4.2	2.5	2.4	2.9	2.9	2.8	2.2	3.8
3	2.3	2.1	1.8	1.5	1.4	1.6	1.7	3.3	3.7	3.8	3.9	3.4	3.2	3.3	4.1	4.4	4	3.4	2.2	2	2.2	2.7	2.8	2.7	2.8
4	2.6	2.5	3.5	3.7	3.3	2.5	2.9	4	4.7	4.3	4.6	4.6	4.2	5.5	5.3	4.8	4.3	3	2.4	2.3	1.5	1.2	1.7	2.4	3.4
5	2.4	2.1	1.9	2.4	2.9	2.7	2.9	3.6	3.3	3.3	5.3	5.5	5.5	5.1	2.7	2.9	2.9	3.1	1.4	0.9	2.1	2.6	3.3	3.2	3.1
6	2.6	3.1	3.5	3.2	2.5	2.9	3.4	4.4	4.7	4.8	5	4.7	4.1	4.2	4.5	4.4	4.1	3.7	4.3	4.5	3.9	4.4	4.6	4.7	4
7	4.8	5.9	5.8	6.1	5	5.6	5.5	2.5	2.3	3.3	3.4	3.3	2.9	2.5	1.5	1.3	1.3	1.6	2.4	2.1	3.7	3.2	2.4	3	3.4
8	3	2.4	2.9	2.7	3.1	3.2	2.9	2.4	3.2	3.6	3.9	4.3	3.8	3.3	3.4	3.9	3.5	3.3	3.4	4	3.7	3.2	3	2.3	3.3
9	2.8	3.3	3.9	3.3	4	3.2	3.4	4.2	3.9	4.1	3.8	3.5	3.9	4.3	4.3	4.2	3.3	3.5	4.1	4.3	5.2	5.9	5.5	5.1	4
10	6.3	6.4	6.2	6.8	6.1	6	7.2	7.3	7.7	7.9	7	6.4	6.1	6	5.3	5.1	3.6	2.3	3.1	1.5	0.7	1.1	1	0.1	4.9
11	1.9	1.1	0.8	0.7	1.7	1.6	1.6	1.4	1.9	1.9	2.7	2.7	3	2.9	2.9	3.8	3.1	2.9	2.9	3.1	3.6	3.7	4.5	3.7	2.5
12	3.6	3.5	3.8	3.9	3.5	3.7	3	3.1	3.9	4.3	4.1	4.1	3.5	3.4	3.7	3.2	2.7	1.7	0.8	2.3	1	0.9	1.1	0.6	2.9
13	0.5	1.2	0.9	1.2	0.6	1	2.2	2.7	4.1	4.2	4.6	4.3	3.8	2.7	2.5	2.8	3.3	3	2.6	1.8	1.6	1.6	1.2	0.6	2.3
14	0.4	0.2	0.1	0	0	0.1	0.5	1.7	1.8	2.4	3.3	3.4	3.5	4.1	4.3	4.2	3.8	3.1	2.2	2.4	1.5	1.1	1.4	1	1.9
15	0.1	1	0.9	0.3	0	0.2	0.7	1.9	2.3	3	3.4	3.5	3.6	3.2	3.7	4	3.8	3.7	3.1	2.7	2.8	3.4	3.1	3.2	2.4
16	2.4	2.3	2.1	2.1	2.3	2.3	2.7	3.5	4.2	4.5	4.6	4.5	4.1	3.9	4.5	3.4	3.3	3.3	3.2	2.8	2.7	2.5	2.7	2.1	3.2
17	2	1.6	1.9	2.1	1.3	0.7	0.5	1.2	2.3	3.1	3.6	4.3	5.5	5.4	5.7	5.6	5.3	5.4	4.8	4.7	4.3	4.3	4.7	3.8	3.5
18	4.1	3.8	3.7	3.6	2.8	2.8	3	2.6	2.8	2.3	3.5	3.5	3	2.9	2.6	3.2	2.4	2.2	2.4	2.1	1.2	2.2	1.8	1.4	2.7
19	1.2	2.2	2.6	3.6	2.7	3.3	3.9	4.8	4.8	4.6	4.9	4.7	4.4	3.7	3.7	4.1	4.6	3.2	2.8	2.8	2.8	2.4	1.9	2	3.4
20	2.3	2.4	2.1	1.4	1.6	1.8	2.4	3.4	3	3.5	3.5	3.5	3.7	3.4	2.8	2.9	2.2	2	2.4	1.6	2.2	3.1	1.7	1.1	2.5
21	1	0.5	0.3	0.5	0.2	0.2	0.3	0.9	0.3	0.4	0.7	0.9	2.3	2.7	2.2	2.4	2.8	2.9	2	2.8	2.8	1.6	1.9	2.3	1.4
22	2.3	1.9	2	1.8	2.2	2.4	1.4	1.6	2.3	1.5	1.1	1.2	1.5	1.7	4.1	2.9	2.4	1.6	0.5	0.1	0.6	2.1	2.4	1.6	1.8
23	1.3	1.8	2.1	3.5	2.7	2.1	2.1	2.6	3.4	2.8	3	2.9	3.3	3.5	3.1	3.3	3.4	2.7	1	0.7	1	0	0.6	0.9	2.2
24	1.3	0.6	1.2	0.7	1.1	1.7	2.9	3.1	3.9	2.9	2.4	2.3	3.3	3.2	3.2	3	2.8	2.4	1.4	0.6	1.2	1.4	1.8	1.8	2.1
25	1.3	1.3	1.4	1.7	1.3	1.5	1.1	1.2	0.9	1.4	2.6	3.5	4.7	4	4	3.8	4.1	4.2	4.2	4.2	3.6	4.3	2	0.5	2.6
26	0.7	0.5	0.9	1.6	1.1	0.5	0.7	1.5	2.4	3.8	3.6	2.7	2.4	1.2	1.2	3	0.8	2.8	2	0.5	0.4	0.3	1.1	1.4	1.5
27	1	1.4	1.9	2	2.1	1.7	1.3	1.5	2.1	2.9	3.4	2.4	3.3	2.9	2.6	2.3	2.2	2.3	1.6	0.3	0.5	0.9	0.7	0.7	1.8
28	0.2	0.1	0	0	0.1	0	0.4	1.6	1.6	2	2	2.2	2.3	1.8	2.9	3.2	3.4	3.2	1.7	1.8	2.2	2.3	2.5	2	1.7
29	1.8	1.7	1.8	1.8	1.9	2	2.7	3.8	4.1	4.6	5.1	4.3	4.4	4	3.6	3.8	3.6	3	2.6	1.9	0.9	0.5	0.1	0.3	2.7
30	0.4	0.2	0	0.1	0.3	0.2	0.9	0.9	2.1	3.6	3.9	4.3	4.6	4.2	4.1	4.2	3.7	3.3	3.1	3	2.5	1.9	1.9	1.6	2.3
Avg	2.1	2.1	2.2	2.3	2.1	2.1	2.3	2.8	3.2	3.5	3.7	3.7	3.8	3.7	3.7	3.7	3.4	3.1	2.6	2.3	2.3	2.4	2.4	2.1	2.8
SD	1.5	1.6	1.6	1.7	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.1	1.3	1.3	1.1	1.2	1	1.1	1.2	1.3	1.4	1.4	1.3	0.9
S/A	0.72	0.74	0.72	0.73	0.7	0.72	0.66	0.51	0.45	0.4	0.34	0.35	0.3	0.34	0.35	0.29	0.34	0.31	0.41	0.54	0.55	0.59	0.59	0.64	0.31
Min	0.1	0.1	0	0	0	0	0.3	0.9	0.3	0.4	0.7	0.9	1.5	1.2	1.2	1.3	0.8	1.6	0.5	0.1	0.4	0	0.1	0.1	1.4
Max	6.3	6.4	6.2	6.8	6.1	6	7.2	7.3	7.7	7.9	7	6.7	6.7	7.1	7.6	6.5	6.7	5.8	4.8	4.7	5.2	5.9	5.5	5.1	4.9
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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	257	250	250	244	236	228	245	246	245	243	238	242	241	234	209	187	197	199	199	174	184	196	208	206	220
2	210	215	215	212	214	223	222	228	244	234	242	256	206	175	183	200	197	206	191	160	173	175	180	183	208
3	182	186	182	187	193	192	195	207	225	225	222	225	198	203	198	195	198	204	198	163	165	171	177	178	198
4	178	187	195	197	195	181	187	195	196	198	198	200	195	203	208	211	206	201	1	30	36	89	158	182	195
5	183	178	177	178	172	174	169	174	185	173	198	200	197	242	240	214	187	207	186	177	197	204	217	226	196
6	241	284	338	342	346	20	24	31	38	38	42	46	45	41	28	29	35	46	54	59	54	43	40	38	32
7	33	38	39	47	45	51	52	36	346	343	335	331	327	336	335	310	288	284	292	296	306	312	298	304	2
8	307	311	326	319	315	325	339	353	354	4	9	9	6	21	10	17	358	7	21	25	30	30	29	23	0
9	20	21	30	21	29	10	12	10	325	328	340	351	334	337	331	333	340	351	358	4	11	11	15	24	360
10	16	23	29	63	104	111	119	120	139	145	143	151	153	154	152	146	151	173	147	141	92	109	98	74	121
11	19	60	88	51	76	95	115	91	91	86	84	78	83	93	87	84	56	43	45	41	33	28	22	26	60
12	25	23	23	20	16	7	14	13	15	20	41	45	38	47	37	47	40	37	215	209	205	208	205	171	28
13	141	142	150	92	82	85	99	131	140	138	139	143	151	165	184	214	213	209	192	199	199	208	208	221	162
14	223	191	201	0	108	117	150	177	184	203	209	205	211	225	225	214	212	212	210	212	216	229	235	245	212
15	252	256	241	258	260	253	256	271	292	294	304	317	303	302	283	270	277	280	278	280	281	290	290	298	287
16	304	298	301	315	313	316	325	343	342	348	337	333	325	315	329	316	288	287	288	285	292	290	287	303	315
17	307	312	325	327	320	309	311	309	139	138	128	122	131	129	138	135	142	140	135	140	136	139	145	138	136
18	134	135	131	129	113	118	131	118	123	117	124	135	115	127	120	131	128	127	113	141	122	107	116	104	125
19	127	121	129	127	134	139	133	135	133	135	128	138	134	123	119	116	116	122	133	122	94	92	98	109	125
20	108	97	89	74	83	101	110	99	103	95	94	112	104	109	137	141	139	150	151	146	152	154	131	104	116
21	102	130	66	62	69	164	184	209	229	341	314	272	202	187	214	222	222	222	228	236	267	242	233	251	226
22	265	264	262	284	316	328	326	338	5	36	35	4	111	127	182	169	166	145	144	84	105	100	88	76	128
23	61	65	103	92	75	76	72	72	65	52	48	32	43	60	41	48	42	34	28	240	231	260	52	25	57
24	41	53	62	71	69	81	91	95	97	81	49	45	6	11	351	353	349	355	328	318	233	264	270	286	30
25	284	265	262	268	274	272	281	265	282	225	200	207	218	226	227	224	225	218	210	203	190	210	209	222	224
26	251	301	329	352	349	331	306	313	318	343	328	316	352	335	190	155	232	258	270	175	104	119	163	192	307
27	198	180	176	184	190	225	223	189	172	185	180	184	207	213	216	253	259	271	296	340	328	317	333	335	212
28	329	339	348	24	69	0	78	81	41	46	41	48	37	6	360	357	348	318	331	3	3	16	20	27	13
29	31	34	27	33	40	43	46	57	55	50	54	45	47	46	47	52	46	55	216	308	349	71	173	71	45
30	207	224	277	203	275	212	253	285	265	277	290	293	296	291	281	297	290	278	276	269	273	272	293	318	284
Avg	353	25	37	56	65	73	92	104	110	99	116	139	162	180	197	181	201	219	215	181	175	155	177	339	130
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.

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

April 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3	2.7	2.7	3	2.4	2	4.2	5.4	5.6	7.6	8.4	10.1	10	10.3	11.9	9.8	9.9	8.8	6.3	5	5.5	7	7.9	6.5	6.5
2	7.7	7	6.6	6.2	5.3	4.7	5	6.6	7.4	6.9	6.8	5.1	5.2	6	6.9	8.5	7.8	6.3	4	3.8	4.3	4.3	4.2	3.4	5.8
3	3.4	3.1	2.6	2.2	2	2.4	2.7	4.8	5.6	5.5	5.8	5.4	5.2	5.1	6.2	6.7	6.2	5.1	3.5	3.3	3.6	4.1	4.2	4.1	4.3
4	4	3.8	5.1	5.6	4.8	3.7	4.2	6.1	7.1	6.9	6.8	6.9	6.5	8.5	8.2	7.4	6.3	4.6	3.8	3.6	2.4	1.9	2.8	3.7	5.2
5	3.5	3.2	3	3.5	4.4	4.1	4.6	5.7	5.2	5.6	8.5	8.7	8.4	8.8	4.7	4.7	4.8	4.9	2.3	1.9	3	3.7	5.1	5	4.9
6	4.2	5.1	6	5.2	3.9	4.7	5.5	6.9	7.3	7.2	7.5	6.9	6.4	6.6	6.8	6.6	6.3	5.9	6.5	7.2	5.9	6.6	7	7.2	6.2
7	7.5	8.7	9.3	9	7.5	8.5	8.3	4.4	3.9	5.7	5.9	5.3	4.9	4.3	3.1	3.1	3.2	3.4	4.8	3.9	5.7	6	4.5	5.7	5.7
8	5.6	4.4	4.8	5	5.1	5.4	5.1	4.4	5.3	6	6.9	7.2	6.2	5.5	5.8	6.2	5.9	5.8	6.1	6.4	5.9	5.3	4.9	3.8	5.6
9	4.7	5.6	6.2	5.6	6.4	5.8	5.4	6.9	6.6	7	6.5	6	6.9	6.9	7	6.9	5.3	6.1	7	7.1	8.2	10.3	9.6	8.9	6.8
10	9.8	11	10.4	11.3	10	9.8	12.1	12	12.7	12.1	11.3	11	10	9.6	8.2	8.7	6.8	5.2	5.6	2.9	1.4	2.5	2.5	0.6	8.2
11	3.3	2.6	2.1	2.1	3.5	3.3	3.4	3.1	3.6	3.7	4.8	4.7	5.4	5.3	5.2	6.7	6.3	5.9	5.9	5.5	6.3	6.6	7.5	6.5	4.7
12	6.4	6.1	6.4	6.6	5.7	5.3	5.1	5.2	6.5	7.2	7.6	7.4	6.3	6.6	6.8	6.1	5.3	3.2	1.6	3.6	1.9	1.7	1.8	1.4	5.1
13	1	1.8	1.4	1.7	1.2	1.7	3.7	4.7	6.9	6.7	7.1	6.6	5.9	4.3	4.2	4	4.6	4.5	3.9	2.8	2.5	2.5	1.9	1.3	3.6
14	1.1	0.5	0.5	0	0.2	0.3	1	2.8	2.9	4	4.9	5.2	5.4	6	6.1	6	5.4	4.7	3.3	3.4	2.4	1.8	2.2	1.7	3
15	0.3	1.5	1.5	0.6	0.2	0.4	1.4	3	3.6	4.6	5.1	5.5	5.8	5.1	5.8	6.2	6	5.7	5.5	4.4	4.5	5.2	4.6	5	3.8
16	3.7	3.4	3.3	3.3	3.4	3.5	4.2	5.4	6.4	6.6	6.7	6.9	6.3	6.1	6.6	5.2	5.4	5.2	5.2	4.5	4.4	3.7	3.9	2.8	4.8
17	2.9	2.4	2.9	3.1	2.1	1.2	1.1	2.2	4	5	5.7	7.1	8.6	8.4	9	8.4	8.2	8.5	7.3	7.3	6.7	7.2	7.4	6.3	5.5
18	6.7	6.4	6	5.6	5	4.7	5.1	4.9	5.4	4.7	5.5	5.8	4.7	5.1	4.6	5.1	4.3	4	3.9	3.9	2.5	3.9	3.5	2.8	4.8
19	2.4	4	4.5	5.4	4.6	5	6.8	8	8.4	7.7	8.1	7.4	7.3	5.8	6	6.6	7.5	5.6	4.9	4.6	4.6	4.5	3.7	3.7	5.7
20	4.5	4.3	3.6	3	3.1	3.5	4.7	5.4	5.2	5.6	6.1	5.8	5.9	5.8	4.7	4.7	3.9	3.2	3.8	2.9	3.7	5	3.2	2.2	4.3
21	2.1	1.5	1.2	1.7	0.9	0.5	0.8	1.8	0.9	1	1.8	1.9	3.6	4	3.4	3.5	4.1	4.1	3	4.1	4.4	2.5	2.7	3.5	2.5
22	3.5	2.8	2.8	3.2	3.4	3.6	2.7	2.7	3.7	3.2	2.4	2.5	2.8	3.2	6.1	4.4	3.7	2.8	1	0.4	1.4	3.5	3.9	3	3
23	2.8	3.4	3.6	5.5	4.8	4.1	4	5.1	5.9	5.2	5.7	5.6	6.1	5.8	6.1	6.3	6.1	5	2.1	1.3	1.8	0.2	1.3	1.6	4.1
24	2	1.2	2	1.3	1.7	2.5	4.6	5.2	6.2	5.4	4.9	4.5	5.7	5.3	5.3	4.9	4.3	3.8	2.1	1.1	1.9	2.2	2.8	2.7	3.5
25	2.1	2.1	2	2.9	1.9	2.4	1.9	1.9	1.9	2.6	3.8	5.3	6.9	5.9	5.8	5.6	6	6.2	6.5	6.7	5.6	6.9	3.5	1.4	4.1
26	1.6	1.5	2	2.8	2.1	1.4	1.7	2.7	3.9	5.9	5.4	4.3	3.9	2.4	2.1	5.4	1.7	4	3	1.3	1.1	0.8	2.1	2.8	2.7
27	2.4	2.7	3.5	3.9	4	3.2	2.8	3.1	3.9	5	6	4.3	5.7	5	4.8	3.8	3.4	3.6	2.6	0.9	1.1	1.4	1.3	1.3	3.3
28	0.5	0.4	0.1	0.1	0.3	0	0.7	2.7	2.7	3.3	3.8	4	4	3.5	4.6	5.1	5	4.4	2.9	2.9	3.7	3.9	3.9	3.2	2.7
29	2.7	2.5	2.7	2.6	3	3	4.2	5.8	6.2	6.8	8.1	7.1	6.8	6.1	5.8	5.8	5.5	4.9	3.9	2.8	1.6	0.9	0.4	0.5	4.2
30	0.8	0.6	0.2	0.3	0.6	0.5	1.9	1.9	3.4	5.2	5.6	6.3	6.6	6	6	6	5.5	4.8	4.5	4.5	3.7	3	2.7	2.4	3.5
Avg	3.5	3.6	3.6	3.7	3.4	3.4	4	4.7	5.3	5.7	6.1	6	6.1	5.9	5.9	6	5.5	5	4.2	3.8	3.7	4	3.9	3.5	4.6
SD	2.3	2.5	2.5	2.6	2.3	2.3	2.4	2.2	2.3	2	1.9	1.9	1.6	1.8	1.9	1.6	1.6	1.4	1.7	1.9	1.9	2.3	2.2	2.1	1.4
S/A	0.65	0.69	0.69	0.69	0.67	0.68	0.6	0.47	0.43	0.35	0.31	0.32	0.27	0.31	0.32	0.26	0.3	0.28	0.4	0.5	0.51	0.58	0.55	0.6	0.3
Min	0.3	0.4	0.1	0	0.2	0	0.7	1.8	0.9	1	1.8	1.9	2.8	2.4	2.1	3.1	1.7	2.8	1	0.4	1.1	0.2	0.4	0.5	2.5
Max	9.8	11	10.4	11.3	10	9.8	12.1	12	12.7	12.1	11.3	11	10	10.3	11.9	9.8	9.9	8.8	7.3	7.3	8.2	10.3	9.6	8.9	8.2
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 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	1022	1022	1022	1023	1023	1023	1024	1024	1024	1023	1022	1021	1019	1018	1016	1015	1014	1014	1014	1014	1015	1015	1016	1016	1019	
2	1016	1016	1016	1016	1016	1017	1018	1018	1018	1018	1018	1018	1017	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1016
3	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1013	1013	1012	1011	1011	1011	1011	1012	1012	1012	1012	1013	
4	1012	1011	1010	1010	1010	1010	1011	1011	1011	1011	1011	1010	1010	1009	1009	1008	1008	1008	1009	1009	1010	1009	1009	1009	1010	
5	1009	1009	1009	1009	1009	1010	1010	1010	1009	1010	1010	1009	1008	1009	1009	1008	1009	1010	1010	1011	1011	1012	1012	1013	1010	
6	1014	1015	1016	1017	1018	1019	1020	1022	1024	1025	1025	1026	1025	1025	1025	1025	1026	1027	1027	1027	1027	1026	1026	1026	1023	
7	1026	1025	1024	1023	1022	1021	1020	1020	1020	1019	1019	1018	1018	1017	1017	1016	1017	1017	1017	1018	1019	1019	1019	1019	1020	
8	1019	1020	1020	1020	1020	1020	1021	1022	1022	1022	1023	1022	1022	1021	1020	1020	1020	1020	1020	1019	1019	1019	1018	1017	1020	
9	1016	1015	1014	1013	1012	1012	1011	1011	1012	1012	1012	1011	1011	1012	1011	1011	1012	1012	1012	1013	1013	1012	1012	1012	1012	
10	1012	1010	1010	1010	1009	1010	1009	1008	1007	1007	1007	1006	1005	1005	1004	1004	1003	1004	1003	1004	1005	1005	1004	1004	1007	
11	1004	1003	1003	1003	1003	1003	1003	1003	1003	1002	1002	1001	1000	1000	999	998	998	998	999	1000	1000	1000	1000	1000	1001	
12	1000	1000	1001	1001	1001	1002	1003	1004	1004	1004	1004	1005	1005	1005	1005	1005	1006	1006	1007	1008	1009	1009	1010	1010	1005	
13	1011	1011	1011	1012	1013	1013	1014	1016	1017	1018	1018	1019	1019	1019	1019	1019	1019	1019	1020	1020	1021	1022	1023	1023	1017	
14	1023	1023	1023	1024	1024	1025	1026	1026	1027	1028	1028	1028	1027	1027	1027	1027	1026	1026	1026	1026	1026	1026	1026	1025	1026	
15	1025	1024	1024	1024	1024	1024	1024	1025	1025	1025	1024	1023	1022	1021	1020	1019	1019	1019	1018	1018	1018	1018	1017	1017	1022	
16	1017	1017	1016	1017	1016	1017	1017	1017	1017	1016	1016	1015	1014	1013	1013	1012	1012	1012	1012	1012	1013	1013	1013	1013	1015	
17	1013	1012	1012	1012	1012	1013	1013	1014	1015	1016	1016	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1020	1019	1019	1016	
18	1019	1019	1019	1019	1019	1019	1020	1020	1021	1021	1021	1021	1021	1021	1021	1020	1020	1021	1021	1022	1022	1022	1022	1022	1020	
19	1022	1021	1021	1021	1021	1022	1023	1023	1024	1024	1024	1024	1023	1023	1023	1023	1022	1022	1022	1022	1023	1023	1023	1023	1023	
20	1022	1021	1021	1021	1020	1020	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1019	1018	1018	1018	1017	1020	
21	1017	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1014	1013	1012	1011	1010	1009	1009	1009	1008	1008	1008	1007	1007	1012	
22	1006	1006	1005	1004	1004	1004	1005	1005	1005	1005	1004	1004	1004	1003	1003	1003	1003	1003	1004	1004	1005	1006	1007	1007	1005	
23	1007	1008	1008	1009	1009	1010	1011	1011	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1011	
24	1013	1013	1014	1014	1014	1015	1016	1016	1016	1016	1016	1015	1015	1014	1013	1013	1012	1012	1013	1013	1012	1013	1012	1012	1014	
25	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1010	1009	1009	1008	1007	1007	1006	1006	1005	1004	1003	1002	1001	1008	
26	1001	1001	1000	1000	1000	1001	1002	1002	1002	1002	1003	1002	1002	1002	1001	1001	1003	1003	1002	1003	1004	1004	1005	1006	1002	
27	1006	1006	1006	1007	1008	1009	1010	1011	1011	1012	1012	1013	1013	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1012	
28	1015	1015	1015	1015	1016	1016	1017	1018	1018	1018	1017	1017	1016	1016	1015	1014	1014	1013	1013	1013	1014	1014	1013	1013	1015	
29	1013	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1012	1011	1011	1010	1009	1009	1009	1011	1011	1012	1012	1012	1012	1012	
30	1013	1012	1012	1013	1013	1014	1015	1015	1016	1017	1017	1018	1017	1017	1017	1016	1016	1016	1015	1016	1017	1017	1017	1018	1016	
Avg	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	
S D	7	7	7	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	1000	1000	1000	1000	1000	1001	1002	1002	1002	1002	1002	1001	1000	1000	999	998	998	998	999	1000	1000	1000	1000	1000	1001	
Max	1026	1025	1024	1024	1024	1025	1026	1026	1027	1028	1028	1028	1028	1027	1027	1027	1026	1026	1027	1027	1027	1026	1026	1026	1026	
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