

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

June 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	5	54	148	450	631	792	852	623	673	700	489	380	271	97	41	8	0	0	0	0	6211
2	0	0	0	0	4	58	224	419	600	767	900	961	952	902	812	619	425	226	65	3	0	0	0	0	7938
3	0	0	0	0	2	40	206	383	542	645	819	902	838	616	439	444	203	125	54	3	0	0	0	0	6262
4	0	0	0	0	0	21	39	62	223	358	393	284	242	306	343	314	331	183	45	3	0	0	0	0	3147
5	0	0	0	0	2	30	134	136	359	726	606	778	551	507	526	386	184	133	36	6	0	0	0	0	5099
6	0	0	0	0	4	56	185	425	508	582	640	823	624	621	630	583	442	232	62	7	0	0	0	0	6423
7	0	0	0	0	3	34	88	114	242	465	553	287 ?	154 ?	196	191	304	152	43 ?	2 ?	0	0	0	0	0	2828
8	0	0	0	0	0	9	80	186	170	214	179	150	491	498	392	201 ?	67 ?	51 ?	11	1	0	0	0	0	2701 ?
9	0	0	0	0	1	24	89	198	482	703	824	943	899	890	799	615	372	167	75	9	0	0	0	0	7092
10	0	0	0	0	5	30	132	330	600	778	904	962	969	916	795	634	408	156 ?	19 ?	13	0	0	0	0	7651
11	0	0	0	0	4	74	194	410	564	741	888	929	941	816	690	387	323	102	78	10	0	0	0	0	7151
12	0	0	0	0	5	41	133	319	600	720	830	802	880	826	766	608	346	114	46	5	0	0	0	0	7043
13	0	0	0	0	4	59	187	176	314	483	729	968	800	650	770	663	297	191	101	13	0	0	0	0	6405
14	0	0	0	0	2	83	230	318	467	568	641	847	771	614	509	388	234	84	5	0	0	0	0	0	6402
15	0	0	0	0	8	43	102	166	285	384	815	885	573	415	175 ?	155	75	28 ?	7 ?	2	0	0	0	0	4119 ?
16	0	0	0	0	1	29	143	276	465	737	611	658	790	570	365	278	263	126	61	6	0	0	0	0	5380
17	0	0	0	0	1	4 ?	28 ?	40 ?	83	94	152	221	274	101 ?	382	174	210	109	57	6	0	0	0	0	1932 ?
18	0	0	0	0	1	22	117	135	122	519	632	919	815	825	739	567	418	203	46	6	0	0	0	0	6086
19	0	0	0	0	2	21	49	94	167	224	480	576	449	458	323	625	230	127	36	15	0	0	0	0	3876
20	0	0	0	0	3	40	182	258	365	398	261	350	222	234	214	177	108	70	41	5	0	0	0	0	2928
21	0	0	0	0	3	41	165	328	456	705	876	803	953	567	734	594	478	97	34	7	0	0	0	0	6841
22	0	0	0	0	4	66	222	433	621	716	469	450	644	438	215	170	156	96	34	6	0	0	0	0	4740
23	0	0	0	0	4	62	231	414	593	762	881	954	942	885	789	622	439	252	82	6	0	0	0	0	7917
24	0	0	0	0	3	54	204	382	556	716	829	892	880	823	736	603	424	237	71	2	0	0	0	0	7409
25	0	0	0	0	4	57	212	396	575	755	877	938	932	876	786	623	431	240	76	6	0	0	0	0	7784
26	0	0	0	0	4	53	204	388	565	733	854	916	896	844	739	574	401	209	67	5	0	0	0	0	7455
27	0	0	0	0	4	48	186	364	548	713	829	896	885	793	611	522	382	223	57	6	0	0	0	0	7067
28	0	0	0	0	3	52	206	301	308	337	755	599	820	679	397	202	56 ?	43 ?	29	4	0	0	0	0	4792
29	0	0	0	0	2	20	181	390	531	734	837	859	893	858	768	434	318	188	65	4	0	0	0	0	7082
30	0	0	0	0	3	38	144	359	545	724	631	767	563	408	338	545	372	172	48	4	0	0	0	0	5662

Avg	0	0	0	0	3	42	155	288	436	593	685	724	713	633	552	450	299	149	51	6	0	0	0	0	0	5781
S D	0	0	0	0	2	19	59	125	167	197	218	252	246	233	218	174	127	68	24	3	0	0	0	0	0	1769
S/A	0	0	0	0	0.53	0.45	0.38	0.43	0.38	0.33	0.32	0.35	0.35	0.37	0.4	0.39	0.42	0.45	0.47	0.57	0	0	0	0	0	0.31
Min	0	0	0	0	0	4	28	40	83	94	152	150	154	101	175	155	56	28	2	0	0	0	0	0	0	1932
Max	0	0	0	0	8	83	231	450	631	792	904	968	969	916	812	663	478	252	101	15	0	0	0	0	0	7938
n	0	0	0	0	82	357	352	355	358	360	357	357	357	357	355	355	347	325	346	116	0	0	0	0	0	5136

Daylight Data Recovery: 0.0% missing; 1.9% exceed the 15% QC threshold -- 5238 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

June 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	12	162	42	676	788	711	573	116	223	352	144	111	66	1	4	0	0	0	0	0	3981
2	0	0	0	0	7	169	411	548	631	681	704	717	724	684	683	629	559	399	130	0	0	0	0	0	7677
3	0	0	0	0	0	11	231	342	380	338	412	460	379	151	62	142	18	44	2	0	0	0	0	0	2971
4	0	0	0	0	0	1	1	1	9	16	14	3	2	8	6	33	185	224	40	0	0	0	0	0	542
5	0	0	0	0	0	2	27	1	34	451	179	271	110	166	268	161	34	96	10	0	0	0	0	0	1809
6	0	0	0	0	3	50	259	544	338	225	219	439	196	219	311	467	578	465	150	0	0	0	0	0	4466
7	0	0	0	0	0	0	1	1	6	71	108	10	0	1	0	9	1	0	0	0	0	0	0	0	209
8	0	0	0	0	0	0	0	6	1	2	1	1	26	43	49	4	0	0	0	0	0	0	0	0	134
9	0	0	0	0	0	2	1	5	357	532	607	751	721	750	760	680	400	165	140	0	0	0	0	0	5870
10	0	0	0	0	0	0	2	213	671	766	794	799	805	794	746	679	493	71	0	1	0	0	0	0	6834
11	0	0	0	0	1	63	166	444	514	608	729	691	640	480	427	141	158	26	67	0	0	0	0	0	5154
12	0	0	0	0	0	2	16	196	445	518	521	454	541	563	630	626	322	18	1	0	0	0	0	0	4853
13	0	0	0	0	0	31	118	1	9	69	314	650	419	326	557	606	252	128	158	0	0	0	0	0	3641
14	0	0	0	0	0	129	337	130	123	130	102	104	400	310	278	312	329	318	168	0	0	0	0	0	3169
15	0	0	0	0	3	15	1	1	11	14	327	511	217	119	1	2	0	0	119	0	0	0	0	0	1222
16	0	0	0	0	0	0	31	83	225	364	52	31	201	90	3	4	22	0	1	0	0	0	0	0	1109
17	0	0	0	0	0	0	0	0	0	0	0	2	2	0	7	1	6	22	2	0	0	0	0	0	42
18	0	0	0	0	0	0	2	2	1	196	135	528	497	539	564	508	485	232	30	0	0	0	0	0	3719
19	0	0	0	0	0	0	0	0	1	4	44	164	64	163	105	533	64	17	0	0	0	0	0	0	1159
20	0	0	0	0	0	7	94	10	39	36	3	2	1	1	1	2	0	0	0	0	0	0	0	0	197
21	0	0	0	0	0	13	65	171	239	505	558	443	661	322	548	523	564	2	0	1	0	0	0	0	4617
22	0	0	0	0	9	265	498	684	731	574	126	17	129	73	2	2	1	3	27	10	0	0	0	0	3150
23	0	0	0	0	8	233	506	638	701	747	773	782	768	738	712	645	598	492	276	6	0	0	0	0	8625
24	0	0	0	0	3	132	358	489	559	600	622	625	597	567	578	592	537	422	212	6	0	0	0	0	6897
25	0	0	0	0	5	172	409	553	647	712	743	731	745	724	704	648	556	415	218	7	0	0	0	0	7988
26	0	0	0	0	2	132	360	506	587	637	671	666	635	603	522	451	362	242	134	4	0	0	0	0	6513
27	0	0	0	0	1	76	243	381	468	527	550	564	560	456	317	356	359	292	98	1	0	0	0	0	5249
28	0	0	0	0	0	53	128	97	6	3	150	43	271	213	54	7	0	0	1	0	0	0	0	0	1026
29	0	0	0	0	0	0	240	533	533	651	628	546	624	648	587	262	223	154	105	1	0	0	0	0	5737
30	0	0	0	0	1	7	99	387	516	586	347	415	213	151	83	377	246	100	12	0	0	0	0	0	3540
Avg	0	0	0	0	2	58	155	255	319	376	367	385	379	342	324	317	247	145	66	1	0	0	0	0	3737
S/D	0	0	0	0	3	78	167	251	279	280	278	289	274	264	283	263	223	164	82	2	0	0	0	0	2588
S/A	0	0	0	0	1.68	1.36	1.08	0.98	0.88	0.74	0.76	0.75	0.72	0.77	0.87	0.83	0.9	1.13	1.24	2	0	0	0	0	0.69
Min	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	42
Max	0	0	0	0	12	265	506	684	788	766	794	799	805	794	760	680	598	492	276	10	0	0	0	0	8625
n	0	0	0	0	82	360	360	360	360	360	360	360	360	360	360	360	360	360	360	116	0	0	0	0	5238

Daylight Data Recovery: 0.0% missing; 0.0% exceed the 15% QC threshold -- 5238 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 05/1998

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

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

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

June 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	4	34	105	67	63	143	241	434	392	309	329	279	221	91	38	7	0	0	0	0	2759
2	0	0	0	0	3	30	74	101	122	144	166	184	189	210	201	161	133	97	44	3	0	0	0	0	1863
3	0	0	0	0	2	31	105	153	201	257	320	348	388	416	352	315	185	106	50	2	0	0	0	0	3233
4	0	0	0	0	0	20	38	57	198	301	339	262	224	284	319	271	213	107	36	3	0	0	0	0	2673
5	0	0	0	0	2	28	107	125	284	257	377	409	400	318	265	250	163	99	34	5	0	0	0	0	3123
6	0	0	0	0	5 ?	44	76	111	203	312	347	316	378	363	325	225	133	77	38	7	0	0	0	0	2960
7	0	0	0	0	4 ?	31	82	105	220	348	390	203	127	196	192	294	150	39 ?	2 ?	0	0	0	0	0	2383
8	0	0	0	0	0	9	81	182	172	213	156	150	448	441	332	141	60	32 ?	11	1	0	0	0	0	2429
9	0	0	0	0	1 ?	24	89	196	215	235	205	151	148	140	122	119	145	108	55	10	0	0	0	0	1963
10	0	0	0	0	6 ?	30	132	209	124	109	119	129	125	122	135	137	144	70 ?	17 ?	15 ?	0	0	0	0	1624
11	0	0	0	0	5 ?	65	134	176	193	203	167	203	261	324	297	269	235	94	69	10	0	0	0	0	2705
12	0	0	0	0	7 ?	41	127	207	280	254	304	306	304	254	203	149	163	108	46	5	0	0	0	0	2757
13	0	0	0	0	6 ?	55	151	179	304	402	384	270	328	306	264	215	161	141	81	14	0	0	0	0	3261
14	0	0	0	0	3 ?	64	118	252	365	434	513	507	398	412	344	259	209	120	56	6	0	0	0	0	4058
15	0	0	0	0	9 ?	42	103	165	273	367	462	329	328	280	133	159	67	26 ?	9	2	0	0	0	0	2754
16	0	0	0	0	2 ?	29	133	226	295	389	528	603	541	467	363	276	244	127	61	6	0	0	0	0	4291
17	0	0	0	0	1	4 ?	20	38	80	95	154	222	274	91	375	177	208	104	57	6	0	0	0	0	1905
18	0	0	0	0	1	22	118	133	122	333	460	351	280	271	238	183	148	113	43	7	0	0	0	0	2825
19	0	0	0	0	2	21	49	94	170	223	426	385	379	286	221	216	193	119	36	15	0	0	0	0	2833
20	0	0	0	0	3 ?	39	156	256	336	367	259	350	225	236	217	175	108	65	40	5	0	0	0	0	2838
21	0	0	0	0	5 ?	40	142	237	280	249	306	316	248	236	236	192	157	90	32	7	0	0	0	0	2771
22	0	0	0	0	6 ?	37	65	80	100	198	319	403	447	337	204	161	148	90	30	5	0	0	0	0	2628
23	0	0	0	0	5 ?	36	76	94	108	115	118	122	133	143	144	139	102	71	38	6	0	0	0	0	1450
24	0	0	0	0	5 ?	39	95	138	171	194	208	211	238	244	209	161	122	84	38	2	0	0	0	0	2159
25	0	0	0	0	4	41	94	117	125	130	138	155	152	159	154	143	121	89	43	6	0	0	0	0	1671
26	0	0	0	0	4	39	97	129	149	167	178	198	220	235	261	231	191	120	47	5	0	0	0	0	2271
27	0	0	0	0	4	38	109	161	202	231	261	274	283	316	310	257	179	118	41	6	0	0	0	0	2788
28	0	0	0	0	3	45	156	228	277	308	525	481	479	410	317	181	45 ?	39 ?	27	4	0	0	0	0	3524
29	0	0	0	0	2	19	92	114	149	157	206	265	230	215	238	233	179	130	48	4	0	0	0	0	2281
30	0	0	0	0	3	36	99	147	171	200	251	293	302	241	245	258	223	137	45	4	0	0	0	0	2652
Avg	0	0	0	0	4	34	101	149	198	244	294	296	275	252	207	158	94	40	6	0	0	0	0	0	2648
S D	0	0	0	0	2	14	33	59	79	94	126	119	112	96	74	56	51	31	17	4	0	0	0	0	653
S/A	0	0	0	0	0.59	0.39	0.33	0.4	0.4	0.39	0.43	0.4	0.38	0.35	0.3	0.27	0.32	0.33	0.42	0.62	0	0	0	0	0.25
Min	0	0	0	0	0	4	20	38	63	95	118	122	125	91	122	119	45	26	2	0	0	0	0	0	1450
Max	0	0	0	0	9	65	156	256	365	434	528	603	541	467	375	315	244	141	81	15	0	0	0	0	4291
n	0	0	0	0	67	357	358	360	360	360	360	360	360	360	359	358	352	336	352	115	0	0	0	0	5174

Daylight Data Recovery: 0.0% missing; 1.2% exceed the 15% QC threshold -- 5238 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

June 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	17.3	16.9	16.4	16.1	15.7	15.6	16.1	17.2	18.5	19.5	20.2	20.9	21.9	22.7	23.1	22.9	22.2	21.5	20.7	20.1	19.4	18.9	18.2	19.4	
2	16.7	15.7	16.3	15.8	14.8	14.4	15.1	16.3	17.9	18.7	20	20.9	21.2	22.2	22.8	22.6	20.2	19.5	18.3	16.9	16.4	16.1	15.7	15.6	17.9
3	15.6	15.3	15.3	15.8	15.8	16.4	17.8	19	20.3	21.5	21.9	22.2	22.4	22.7	22.7	23	23.7	24.6	23.9	22.9	22.4	22.2	22.1	22.3	20.5
4	22.4	22.4	21.6	20.5	20.4	20.5	21	21.3	22	23.4	23.7	23.8	24.1	23.9	24.1	23.8	24.5	24.2	23.8	23.3	23	22.8	22.7	22.5	22.7
5	22.5	22.6	22.3	22.4	22.1	22	22.4	22.6	22	23.1	24	24.6	25	25.8	26	26.1	24.1	23.2	22.1	21	20.2	19.3	18.8	17.9	22.6
6	17.3	16.7	16.3	16.5	16.8	17.3	17.7	20.2	22.6	24	24.8	25.6	26.2	25.7	25.9	26.3	26.8	25.9	23.8	22.5	21.7	21.5	21.4	21	21.9
7	20.8	21.3	21.6	21.8	22.2	22.5	23.4	23.9	24.9	26.1	27.2	26.6	23.5	24	23.9	24.4	24.3	24.2	23.6	23.7	23.7	23.5	23.6	23.6	23.7
8	23.6	23.7	23.3	22.9	22.5	22.4	22.6	23	23.4	23.7	23	21.4	23	24.7	25.2	23.9	21.5	20.2	20.4	20.9	20.7	20.9	21.5	22.9	22.6
9	23.2	23.3	23.2	22.8	22.7	22.5	20.8	21.2	21.9	23.5	24.2	25.7	27.1	28.2	28.8	29.6	25.6	24.2	22.7	20.6	19.8	19.6	19.5	19.6	23.3
10	19.7	19.6	19.6	19.4	19.5	19.4	19.5	20.5	24.1	27	27.6	28.2	27.8	28.5	28.2	27.7	27.2	25.8	23	22.5	23.2	23.4	23.3	23.5	23.7
11	23.7	23.6	23.3	23.2	23	22.9	23.6	24.7	26	27.2	28.6	29.5	30.3	31	31.4	31.1	31.2	30.1	29.2	27.8	26.8	26.1	25.5	25.1	26.9
12	24.7	24.4	24.2	24	23.8	23.9	24.4	25.1	26.3	27.3	28.5	29.4	30.2	30.7	31.2	31.2	31.1	29.9	28.7	27.7	27	26.5	26.1	25.6	27.2
13	25.3	25	24.9	24.6	24.4	24.7	25.4	25.8	26.4	27.4	28.1	29.4	30.2	30.6	30.2	29.5	28.4	28	26.8	26	25.9	26.1	25.9	25.1	26.8
14	25.2	25.2	24.6	24.5	24.4	24.3	25.1	25.7	26.4	27.1	27.9	28.3	29	29.7	30	30.2	30.2	29.9	29.2	28	27.1	26.5	26	25.8	27.1
15	25.4	25.3	25.1	24.6	24.2	24.3	24.5	24.9	25.4	26.2	27.5	28.9	29.4	29.8	24.3	23.6	23.4	22.9	22.3	22.3	22.3	22	21.7	21.4	24.7
16	21.1	20.8	20.7	20.3	20.1	20.2	20.4	21.1	22.6	23.9	24.7	24.6	24.4	23.8	23.3	22.9	22.8	22.2	21.6	21.2	20.9	21	20.8	20.6	21.9
17	20.3	20.2	19.7	18.9	17.9	17.5	17.6	18.3	18.6	18.6	18.3	19.1	19.5	19.3	19.9	20.6	21.3	21.2	21.1	20.6	20.3	20.7	21	21.3	19.7
18	21.5	21.1	21.3	21.2	21.3	21.3	21.9	22.4	23	24.3	25.3	26.5	27.3	28	28.8	29.1	29.1	28.9	27.8	26	25.1	24.8	24.5	24	24.8
19	23.5	23.1	22.6	22.2	22.2	22.4	22.7	23.2	23.3	23.4	24.7	25.7	26.6	26.8	27.8	28.5	26	24.5	24	23.6	23.2	22.7	22.6	22.1	24.1
20	21.6	21.2	20.9	20.8	20.9	21.1	21.8	22.5	23.6	24.7	25.1	25.2	25	24.6	24.6	24.5	24.3	24.1	23.2	22.1	21.5	21.1	20.7	20.2	22.7
21	19.4	18.4	17.7	17.5	17	16.9	17.4	18.6	19.5	20.6	21.4	22.3	23.3	23.5	24.2	24.6	24.6	23.3	22	20.4	19.5	18.5	17.9	17.5	20.3
22	16.8	16.5	16	15.3	14.7	14.8	16.2	18.3	19.9	21.3	21.8	21.8	22.7	22.5	22.8	22.6	22.6	22.7	22.4	22	21.4	20.6	20.3	19.8	19.8
23	20.1	20.1	19.6	19.7	19.5	19	20	22.1	24.3	26	27.1	28.3	29.2	29.9	30.2	30.6	30.7	30.3	28.6	26.7	25.5	24.7	23.6	22.7	24.9
24	22.2	21.7	20.9	20.2	20.3	20.4	21.6	24.1	26.4	28	29.8	31	32	32.2	32.6	32.6	32.3	31.5	30.5	28.2	25.6	24.2	23.4	22.6	26.4
25	22	21.6	21.8	21.8	21.5	21.7	23.5	26	28.4	30	30.8	32.1	32.6	33.2	33.5	33.5	33.4	32.7	31.3	29.5	28.2	27.3	26.6	25.7	27.9
26	25.4	24.6	23.6	23	22.6	22.6	23.5	25.6	27	28.7	29.9	31.4	32.3	33	33.4	33.9	33.5	32.9	31.8	30.2	29	27.9	26.9	26	28.3
27	25.4	25.7	25.3	24.7	24.5	24.2	24.7	26.2	27.4	29	30.1	31.5	32.4	32.7	32.7	32.7	32.7	32.5	31.3	29.5	28.2	27.4	26.9	26.2	28.5
28	24.5	23.6	22.5	22.1	21.8	21.9	23.4	24.7	25.2	26	27.3	27.5	28.2	29	28.7	27	24.6	21	21.8	22.1	22.3	20.7	21	21.1	24.1
29	21.5	21.9	21.8	21.6	21.2	21.5	23.3	25.2	26.3	27.6	28.8	29.8	30.2	31.5	32.4	30.6	29	28.4	28	27.1	26.3	25.9	25.4	24.9	26.3
30	24.6	24.1	23.5	23.2	22.8	22.8	23.6	25	27.4	29.4	30.8	31.7	30.9	30	29.4	29.2	29.5	28.9	27.9	27.3	26.9	26.6	25.9	24.6	26.9
Avg	21.8	21.5	21.2	20.9	20.7	20.7	21.4	22.5	23.7	24.9	25.8	26.5	26.9	27.3	27.4	27.3	26.7	26	25.1	24.1	23.5	23	22.7	22.3	23.9
S D	2.9	3	2.9	2.9	3	3	2.9	2.9	2.9	3.2	3.4	3.7	3.7	3.8	3.9	3.8	3.9	4	3.8	3.4	3.2	3.1	2.9	2.8	2.9
S/A	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.14	0.13	0.13	0.13	0.13	0.12
Min	15.6	15.3	15.3	15.3	14.7	14.4	15.1	16.3	17.9	18.6	18.3	19.1	19.5	19.3	19.9	20.6	20.2	19.5	18.3	16.9	16.4	16.1	15.7	15.6	17.9
Max	25.4	25.7	25.3	24.7	24.5	24.7	25.4	26.2	28.4	30	30.8	32.1	32.6	33.2	33.5	33.9	33.5	32.9	31.8	30.2	29	27.9	26.9	26.2	28.5
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

June 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	95.9	91.9	89.4	87	84.9	83.2	81	75.2	68.8	64.8	62.2	60.4	57.5	54.8	54.4	54.3	54.9	57.1	60	64	67.1	71	70.7	74.4	70.2
2	83.7	87.1	71.3	66.7	69.4	71.2	70.6	63.6	61.3	59.3	52.9	49.5	48.5	47.4	45.2	52.2	67.8	69.9	74.3	76.9	75.6	74.9	79.8	80.3	66.6
3	78.7	82.7	83.1	81.1	83.8	87.8	83.6	75.6	68.4	65.2	67.6	70.5	72.5	79.9	89.1	91.8	89	77.8	79.4	84.2	91.4	96.9	99.4	100.6	82.5
4	101.7	102.3	102.6	102.3	103.3	103	101.2	101.5	99.2	95.6	95	95	93.6	96.4	94.9	95.4	92.7	94.2	95.4	96.6	97.3	97.6	97.1	98.3	98
5	99.1	99.2	100.2	99.9	100.7	101.6	100.5	97.6	91.1	76.1	72.2	70.8	69.4	69.2	70.9	71.2	69	67.7	71.5	78.8	82	89.1	95.4	99.4	85.1
6	100.6	99.8	100.5	98.8	96.8	91.7	91.3	78.4	67.1	58.3	54	52	51	55.2	55.9	53.7	52.4	58.5	71	81	86.6	84.7	83.9	87.9	75.5
7	91.9	93.9	99	101.7	104	104.9 ?	104.2	102.6	99	94.1	88.7	91.9	102.8	103.9	102.2	100.3	100.5	100.2	103.2	103.3	102.1	104.6	104.3	103.8	100.3
8	102.8	100.8	101.4	103	104.2	105 ?	105 ?	104.5	102.9	102	100.9	104	101.7	97.7	97.9	102.4	105 ?	?	?	?	?	?	?	?	102.4 ?
9	?	105 ?	105	?	?	105 ?	105 ?	104 ?	98.9	91.7	88.8	80.6	71.7	66.9	59.8	58.4	89.6	92.7	95.7	101.2	103.9	104.8 ?	?	?	91 ?
10	?	?	?	?	?	?	?	?	92.4	72.3	56.6	65.5	64	57.8	66.4	73.3	82.8	90.6	101.1	92.5	102	103.3	104.6	104.9	83.1 ?
11	103	102.4	102.4	101.8	102.8	104	102.6	98.8	94.5	88.6	78.3	68.4	66.8	64.3	62.4	63.7	66.8	71.9	78.8	85	88.6	91	91.4	95.1	86.4
12	98.7	100.5	102	102.8	103.2	103.3	101.6	98.5	93.1	89.3	83.5	78	72.4	70.6	69.5	66.7	64.3	75.3	84.2	88	90.4	91.9	91.8	94.8	88.1
13	98	99.7	99.8	100.9	101.7	100.5	98.8	98.1	95.9	88.4	83.3	74.7	70.2	71	74.5	79	86.6	84.1	86.9	93.4	97.4	94.6	86.9	98.8	90.1
14	99.8	97.7	99.2	99.2	99.4	99.8	96.9	94.4	89.8	86.4	82.6	81	76.5	72.1	70.5	69.2	70.3	70.2	75.2	81.1	84.6	94.7	98.2	98.9	87
15	99.3	98.6	98	99.2	100.6	99.6	99.4	96.7	94.5	91.8	85.8	79	76.7	75.4	94.4	99.5	101.5	103.5	104.9 ?	105 ?	104.9	104.4	104.2	104.5	96.7
16	104.8	104.7	103.7	104	103.2	101.2	99.1	99.3	92	84.2	77.3	80.2	78.3	80.8	88.8	91.8	92.5	94.5	96.6	98.3	99.3	99.3	99.5	99.8	94.7
17	99.6	99.1	99.9	103.1	104.8	105 ?	104.7	104.8	105 ?	?	104.8	103	99.6	100.9	99.2	98.8	98.7	98.9	99.9	100.9	102.7	103.1	102.6	101.3	101.7
18	100.1	104.4	?	?	?	?	?	104.8 ?	103.9	99.6	95.1	88.4	84.3	81	78.7	75.4	77.2	79.7	85.4	95.1	97	99.5	98.9	97.9	91.9 ?
19	100.2	101.2	102.9	103.7	103.5	103.8	103.9	104.5	104.2	100.6	96.9	94.3	90.5	90.7	85	81.9	93.1	98.6	99.4	100.7	101.6	103.6	104.1	104.5	98.9
20	104.9 ?	?	?	?	?	?	104.7 ?	103.2	99.1	94.4	93.6	95.2	95.8	96.3	90.3	86.7	89.5	90.8	89.1	94.1	93.8	95.6	96.2	98.2	95.3 ?
21	100.1	100.5	101	102.1	103.3	104.3	103	98.2	93.4	84.9	78.4	72.9	66.3	62.1	58.8	54.9	55.3	58.9	65.8	70.7	75.2	80.7	82.6	85.2	81.6
22	89.3	91.2	94.6	97.8	99.4	98.8	94.5	87.8	79.8	76.3	72.4	72.4	70.1	71.7	71.5	73.9	74.8	75.5	79.1	82.9	85.5	88.5	89.5	92.8	83.8
23	92.3	92.3	93.6	91.3	90.5	92.7	89.3	80.7	71.6	62.7	60.7	55.6	50.6	45	42.8	43	42.1	42.5	53.9	61.1	64.4	67.6	73	76.2	68.1
24	77.7	80.2	84.8	88.3	86.4	85.7	82.1	74.9	67.4	64.6	58.9	55.7	50.8	51.3	49	40.7	41.1	46.2	53.4	62.1	72.4	80.4	83.8	87.1	67.7
25	90.1	92.4	93.8	94.6	95.4	95.3	89.1	79.6	72.2	63.9	57	48.6	44.6	44.6	44.3	43.9	45	48.8	55.5	61.6	65.3	68.4	72.1	76	68.4
26	76.6	79.8	86	88.3	89.9	90.4	87.9	80.5	77	72.7	69.2	65	61.5	58.9	57.7	56.3	55.7	57.5	62.3	67.7	73.1	79.5	85.2	90.3	73.7
27	92.9	87.3	86.3	88	88.4	89.6	89.2	84.4	80.9	76.6	73.2	66.1	59.6	57.8	59.1	58.7	55.6	54.4	59.6	68.6	76.6	82.3	86.8	86.1	75.3
28	94.6	95.9	97.8	96.1	96.2	96.2	89.4	84.7	83.7	79.8	72.6	73.8	72.3	71.5	74.9	83.5	83.3	96.1	97.6	97	95.7	99.6	98.1	97.8	88.7
29	96.9	96.8	98.3	100.3	102	102.6	99.8	96.8	92	81.1	73.6	69.1	65.3	59.6	54.6	66.1	75.7	78.4	81.7	84.1	89.2	95.8	97.7	99	85.7
30	97.9	97.8	99.2	100.7	101.9	101.9	100.2	96.5	87.5	79.9	73.1	67.2	74.5	73	76	78.6	76.1	78.2	86.2	91.5	93.4	93.1	91	85.4	87.5

Avg	95.4	95.9	96.1	96.3	96.9	97.3	95.7	92.1	87.6	80.9	77	74.3	72	70.9	71.3	72.2	75	76.3	80.9	85.1	88.2	91	91.7	93.5	85.5
S D	7.9	7.1	7.9	8.7	8.6	8.3	9	11.7	13	13.1	14.5	15.2	16.1	16.9	17.7	18.4	18.7	17.9	16	13.8	12.4	11.3	10	9.1	10.8
S/A	0.08	0.07	0.08	0.09	0.09	0.09	0.09	0.13	0.15	0.16	0.19	0.2	0.22	0.24	0.25	0.25	0.25	0.23	0.2	0.16	0.14	0.12	0.11	0.1	0.13
Min	76.6	79.8	71.3	66.7	69.4	71.2	70.6	63.6	61.3	58.3	52.9	48.6	44.6	44.6	42.8	40.7	41.1	42.5	53.4	61.1	64.4	67.6	70.7	74.4	66.6
Max	104.9	105	105	104	104.8	105	105	104.8	105	102	104.8	104	102.8	103.9	102.2	102.4	105	103.5	104.9	105	104.9	104.8	104.6	104.9	102.4
n	328	330	323	312	312	291	309	338	356	348	360	360	360	360	360	359	352	348	344	338	347	341	336	334	8147

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

June 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	16.5	16.4	16.1	15.8	15.4	15.2	15.7	17.1	19.2	21	22.4	23.3	23.9	24.6	25.3	25.5	25.4	24.6	23.2	21.9	20.7	19.8	19.2	18.5	20.3
2	17	15.1	14.4	14.4	13.9	13	13.5	15.8	18.3	20.8	22.9	24.6	25.1	25.2	25.9	27	26.2	24.1	22.1	19.1	16.8	15.5	14.6	13.9	19.1
3	13.8	13.6	13.3	13.4	13.8	14.3	15.3	17.9	20.4	22.7	24.4	25.2	25.5	25.6	25.6	25.5	25.6	25.5	25	23.9	22.8	22.2	22	22	20.8
4	22.1	22.2	22	21.3	20.5	20.2	20.2	20.7	21.5	23.4	24.9	25.6	25.8	25.6	25.6	26	26.4	26.7	26	24.5	23.4	22.7	22.5	22.4	23.4
5	22.3	22.5	22.4	22.4	22.2	22	22.2	23	23.6	24.9	26.9	28.4	29.5	29.9	30	30.1	29.1	26.6	24.7	22.5	20.4	18.9	17.9	16.9	24.1
6	16.2	15.5	14.7	14.5	14.5	14.7	15.7	18.4	22.2	25.1	26.9	28.6	29.8	29.9	29.8	29.8	30.2	30.3	28.3	25	22.7	21.3	20.6	20.2	22.7
7	20	20.1	20.8	21.1	21.4	21.8	22.6	23.7	24.9	26.6	28.5	29.8	27.3	25	24.6	24.6	25.2	25	24.3	23.7	23.4	23.3	23.4	23.4	23.9
8	23.3	23.2	23.3	23	22.7	22.5	22.5	22.8	23.4	23.9	24.9	23.9	23.4	25.8	27.8	27	24.5	22.3	21.2	21	21	20.9	21	21.7	23.2
9	22.5	22.9	23	22.9	22.7	22.7	22.3	22.1	23	25.4	27.4	28.8	30	31	32.4	33.4	33	29.6	26.7	24	21.8	20.8	20.3	20.1	25.4
10	20	20	19.9	19.9	19.8	19.8	20	21.4	24.2	28.3	30.9	31.9	31.8	31.3	31.7	31.9	31.3	30.1	26.3	23	22	22.4	22.7	22.9	25.1
11	23	22.9	22.7	22.5	22.4	22.3	22.9	24.6	26.8	29	30.8	31.9	32.4	33	33.8	34.1	33.7	33.1	31.4	29.8	28	26.6	25.8	25.1	27.9
12	24.7	24.3	24	23.7	23.5	23.5	24	25.1	27.3	29.6	31.2	32.3	33	33.3	34.1	34.9	34.9	33.6	31.2	29.3	27.9	27	26.4	25.9	28.5
13	25.4	25.1	24.9	24.5	24.2	24.2	24.9	26.2	26.9	28.3	29.6	31.1	32.3	32.9	33.5	33.9	33	31.6	29.9	28.2	26.6	26.1	26	25.6	28.1
14	25.1	25	24.8	24.5	24.4	24.3	25.1	26.4	27.4	28.7	29.9	30.7	31.4	32.1	32.6	32.9	32.8	32.7	31.8	30	28	26.7	26.1	25.7	28.3
15	25.4	25.2	25.1	24.8	24.3	24.1	24.4	25	25.8	27	28.6	31.2	32.4	32.8	31	26.8	25.3	24.4	23.4	22.7	22.5	22.2	21.9	21.5	25.7
16	21.3	21	20.8	20.7	20.5	20.3	20.5	21.4	23.1	25.2	27.7	28.3	28.4	28.4	27.4	26.3	25.6	24.7	23.6	22.5	21.6	21.3	21.2	21	23.5
17	20.8	20.7	20.3	19.5	18.8	18.1	17.8	17.8	18.3	18.6	18.8	19	19.6	20.5	20.7	21.8	22.3	22.6	22.3	21.7	21	20.6	20.7	21	20.1
18	21.2	21.2	21.1	21.2	21.3	21.3	21.6	22.3	23.1	24.6	27.6	29.4	30.8	31.2	31.9	33.3	33.4	32.9	31.1	28.7	26.4	25.3	24.8	24.4	26.3
19	23.9	23.4	22.9	22.4	22.1	22	22.3	22.8	23.2	23.5	24.6	27.2	28.8	29.3	29.6	30.2	30.4	28.1	26.2	24.8	23.8	22.9	22.4	22.1	24.9
20	21.6	21.2	20.8	20.6	20.6	20.8	21.3	22.4	24.2	26.4	27.6	27.4	27.3	26.7	26.2	26	25.8	25.3	24.7	23.5	22.4	21.7	21.2	20.7	23.6
21	19.8	18.5	17.3	16.6	16.3	16.1	16.6	18.1	20.5	22.3	24.3	25.5	26.3	26.7	26.7	27.8	28.3	27.3	24.7	22.4	20.3	18.6	17.4	16.6	21.5
22	16.1	15.6	15.1	14.6	14.1	13.7	14.8	17.6	20.6	23	24.5	24.6	25.1	25.7	25.6	24.9	24.3	24.1	23.5	22.8	21.8	20.3	19.3	18.9	20.4
23	19.2	19.5	19.4	19.1	19	18.6	19.3	21.5	24.6	27.4	29.7	31.2	32	32.4	33	33.7	34.2	33.8	32.3	29.3	26.3	24.6	23.5	22.4	26.1
24	21.6	21	20.4	19.6	19.1	19	20	22.6	26	29.1	31.9	34.2	35.4	36	36.7	37.1	36.7	35.7	33.8	30.7	26.9	24.2	22.4	21.3	27.6
25	20.4	19.8	19.8	20.1	20.1	19.9	21.3	24.5	28.3	31.5	33.7	34.9	35.7	35.9	36.6	37.2	37.3	36.6	34.8	32	29	27.2	26.2	25.4	28.7
26	24.7	24.2	23.5	22.7	22.2	21.9	22.6	24.8	27.5	30	32.3	34	35.2	35.8	36.5	37.4	37.6	36.7	34.9	32.5	29.9	28.3	27	26	29.5
27	25.1	24.9	24.9	24.6	24.1	23.9	24.3	26	28.3	30.6	33	34.6	35.6	35.9	36.2	36.1	36	35.4	34.3	31.6	29.1	27.6	26.7	26.5	29.8
28	25.5	24.2	23.1	22	21.3	20.8	21.7	24.3	26.4	27.7	29.5	31.7	32.4	33.3	33.5	31.9	29	25.4	22.3	21.5	21.7	21.7	21	20.9	25.5
29	20.9	21.1	21.3	21.3	20.9	20.8	21.5	24.4	27.6	30.1	32.2	33.9	34.5	35.1	36.2	37.4	35	32.5	30.8	29	27	25.8	25.1	24.5	27.9
30	24	23.8	23.4	22.9	22.4	22.1	22.5	24.4	27.9	31.6	34.6	36.1	36.9	35.2	33.9	32.6	32.9	32.2	30.7	28.7	27.4	26.7	26.3	25.7	28.5
Avg	21.4	21.1	20.8	20.6	20.3	20.1	20.6	22.2	24.2	26.2	28.1	29.3	29.9	30.2	30.5	30.6	30.2	29.1	27.5	25.7	24.1	23.1	22.5	22.1	25
S D	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3	3	3.4	3.7	4.1	4.3	4.2	4.4	4.5	4.5	4.5	4.3	3.8	3.3	3.1	3.1	3.1	3.1
S/A	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.15	0.14	0.14	0.14	0.14	0.12
Min	13.8	13.6	13.3	13.4	13.8	13	13.5	15.8	18.3	18.6	18.8	19	19.6	20.5	20.7	21.8	22.3	22.3	21.2	19.1	16.8	15.5	14.6	13.9	19.1
Max	25.5	25.2	25.1	24.8	24.4	24.3	25.1	26.4	28.3	31.6	34.6	36.1	36.9	36	36.7	37.4	37.6	36.7	34.9	32.5	29.9	28.3	27	26.5	29.8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

June 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	3.9	4.2	4.7	4.8	4.5	4.2	4.3	5.2	4.9	5.3	5.2	4.8	4.5	4.4	3.6	3.7	3.4	2.4	2.2	1.3	1.5	1.3	1.1	0.7	3.6
2	0.8	1.3	3.3	2.5	1.2	0.7	1.2	2.7	1.6	1.7	1.3	1.4	2	2	2	2.1	3.8	3.2	2.8	2.5	1.9	1	0.7	1.4	1.9
3	1.3	1	0.9	1	1.4	1.1	1.7	2.7	3.2	3.4	4.8	5.1	5.2	4.2	4.7	4.3	2.8	4.1	3.2	2.9	2.7	2.5	2.5	2.7	2.9
4	2.4	2.4	2.1	2.7	1.6	1.2	1.6	1.8	2.7	3.6	4.2	4	3.6	2.9	4.1	4.1	3.1	3.5	3.3	2.9	2.6	3.3	4.7	3.7	3
5	3	2.9	3	3.1	2.5	2.1	2.6	2.2	3.1	2.7	1.9	1.7	1.1	1	1.3	1.6	2.9	2.4	1.6	0.5	0.8	0.3	0.3	0.1	1.9
6	0.1	0	0.3	0.6	1	1.3	1.3	1.3	1.2	1.8	1.4	1.1	1.1	1.9	2.5	2.5	2.1	2.5	2.8	2	1.5	1.9	1.4	1.1	1.4
7	0.8	1.7	1.6	2	1.4	1.7	2.4	2.5	2.7	3.5	3.8	3.5	3.4	3.2	3.2	3.8	3.6	3.1	2.7	4.1	3.7	3.1	3.1	3.2	2.8
8	3.2	3.7	2.7	1.5	1.6	1.4	1.9	2.2	2.8	2.2	1.7	1.3	1.3	1.6	1.8	2.1	2.4	1.4	0.9	1.7	0.7	0.2	0.3	1.4	1.8
9	2.4	2.2	1.1	0.6	1.3	1.2	0.6	1	1.8	1.9	2	1.6	1.5	1	1.5	1.4	4.1	3.1	3.1	2.9	2.5	2.1	1.6	1.4	1.8
10	1.1	1.4	0.9	1.4	1.3	0.2	0	0.2	0.5	1	2.6	2.8	3.5	3.3	4	4.8	5.1	4.3	2	1.6	2.2	2.6	2	2	2.1
11	1.4	1.3	0.7	1.2	1.5	1.3	2	3.5	2.8	2.9	3.4	4.3	4.2	3.8	4	3.5	2.2	2.3	2.3	2.8	2.6	2.5	2.3	2.5	2.6
12	2.5	2.5	2.1	2.1	1.7	1.7	2.8	2.8	3.2	3.1	3.7	3.3	3.9	3.4	3.5	3.4	2.9	2.4	2.5	2.6	2.9	2.8	3	2.8	2.8
13	2.8	3.2	2.9	2.2	2.4	2.3	2.7	3.2	3.3	4.4	4.7	4.5	4.7	3.9	4	4.5	3.9	3.7	2.9	2.6	3	3.7	2.5	2.5	3.3
14	3.3	4	3.7	3.7	3.7	3.2	4	4.1	4.1	4.4	4.5	4	4	4	4.2	4.1	3.9	3.7	2.4	1.7	1	1.7	2.3	2.3	3.4
15	2.3	2.5	3	2.7	2.7	2.6	2.6	2.9	3.3	3.4	3.4	2.8	2.7	2.5	3.1	3.1	3	2.7	1.6	1.5	1.9	1.5	0.9	1.2	2.5
16	1.7	1	1	1.6	0.7	0.6	1.4	2	2.6	3.1	3.4	3.8	3.9	4	3.7	3.9	4.2	4.1	3.6	3.6	3.2	3.4	3.8	3.8	2.8
17	4.3	4.3	4.7	3.1	4.1	3.3	2.9	2.7	3.9	3.5	3.1	4	3.9	4	3.6	3.5	3.2	3	2.4	1.4	1.3	1	0.2	0.4	3
18	0.5	0	0.2	0.1	0	0	0	0.2	0.2	0.8	2.1	2.4	2.2	2.6	2	2.2	2.3	1.5	1.5	1.4	1.3	1.3	2.1	1.4	1.2
19	1.1	0.8	0.3	0.5	0.1	0.1	1	1.5	1.9	1.9	2	2.4	2.2	1.8	2.2	3.3	3.1	2.7	1.8	0.8	0.1	0.1	0.6	0.5	1.4
20	0.5	0.5	0.6	0	0.4	0.3	0.6	0.7	1.3	1.2	0.9	2	2.5	3.2	2.6	2.1	1.3	1.2	2.3	2.1	1.8	2.2	2.3	1.8	1.4
21	1.2	1.1	0.5	1	0.6	1.1	1.7	2	2	2.6	3.1	2.6	3	2.5	2.6	2.7	2.8	2.4	2.3	1.6	1.4	1.4	1.4	1.7	1.9
22	1.6	1.6	1.8	1.6	1.4	1.5	1.8	2.1	2.8	3.2	3.6	3.1	3.1	2.8	1.9	1.5	1	1.3	0.8	0.9	0.8	0.5	1.3	1.8	1.8
23	2	2.1	1.9	2.2	2.4	2	2.4	1.6	2	2.1	2	2	2.5	2.4	2.9	2.2	2.1	1.7	1.7	1.4	1.6	1.6	1.4	1.6	2
24	2	2	1.7	1.2	1.4	1.4	1.2	1.4	1.8	1.7	1.2	1.3	1.7	1.7	1.7	2.3	2.1	1.5	0.4	0	0	0	0	0	1.2
25	0	0.5	1	1.1	0.4	0.4	0.7	1.1	1.3	1.8	2.5	2.4	2.5	2.3	2.4	2.6	2.1	2.2	1.3	0.9	1	1	1.4	1.5	1.4
26	1.6	1.4	1.6	1.7	1.9	1.8	2.1	2.4	2.9	2.1	2.5	2.1	2.5	3	2.8	2.3	2.5	2.2	1.2	0.8	1.1	1	0.7	0.7	1.9
27	1.4	2.3	2.5	2.3	2.4	2.1	2.2	2.4	2.6	2	2.2	2.2	2.5	3.1	3	3.1	2.9	1.8	0.9	0.7	0.9	1.3	1.8	2.1	2.1
28	1.8	1.9	1	0.8	0.2	0.1	0.5	1.1	1.6	1.6	2	1.8	2	1.9	2.6	4	2.6	2.1	1.6	1.7	2	1.4	0.8	0.9	1.6
29	0.6	0.5	0.1	0	0.2	0.1	0.1	1.6	1.7	1.6	1.7	1.4	1.7	1.2	0.7	2.4	3	2.9	1.9	0.9	1.2	1.3	1.2	0.8	1.2
30	1.9	1.7	1.1	0.6	0.4	0.4	1.1	1.1	0.6	0.5	0.6	0.7	2.4	2.6	3.8	3.2	3.6	2.8	1.6	1.3	1.1	1.3	2.8	2.7	1.7

Avg	1.8	1.9	1.8	1.7	1.5	1.4	1.7	2.1	2.3	2.5	2.7	2.7	2.8	2.7	2.9	3	2.9	2.6	2.1	1.8	1.7	1.6	1.7	1.7	2.1
S D	1.1	1.2	1.3	1.1	1.2	1	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1	1	0.9	0.9	0.9	0.8	0.9	0.9	1	1.1	1	0.7
S/A	0.61	0.64	0.72	0.67	0.75	0.76	0.62	0.53	0.46	0.45	0.45	0.45	0.39	0.36	0.35	0.31	0.3	0.33	0.39	0.54	0.55	0.61	0.66	0.59	0.33
Min	0	0	0.1	0	0	0	0	0.2	0.2	0.5	0.6	0.7	1.1	1	0.7	1.4	1	1.2	0.4	0	0	0	0	0	1.2
Max	4.3	4.3	4.7	4.8	4.5	4.2	4.3	5.2	4.9	5.3	5.2	5.1	5.2	4.4	4.7	4.8	5.1	4.3	3.6	4.1	3.7	3.7	4.7	3.8	3.6
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

June 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	106	104	104	109	110	110	105	110	125	132	120	118	128	131	128	127	138	146	175	170	177	177	160	129	123
2	127	152	178	180	170	162	174	182	211	217	203	161	111	93	112	277	290	282	299	301	306	314	326	328	225
3	322	324	318	327	296	292	285	286	297	293	315	304	305	307	306	302	318	355	359	358	353	353	343	341	318
4	2	27	34	355	4	16	31	34	33	33	39	41	41	17	21	15	34	15	22	29	27	35	43	46	28
5	42	53	60	65	62	58	90	137	191	224	239	277	232	360	31	50	286	292	330	340	346	3	353	58	37
6	48	40	52	56	67	81	98	119	142	151	145	72	19	38	40	56	27	335	315	303	304	342	11	322	29
7	297	293	301	317	331	335	358	13	28	35	25	20	16	12	15	18	17	24	14	15	48	40	35	45	16
8	55	66	65	52	50	52	55	53	63	70	162	239	241	256	253	253	222	221	231	340	14	342	351	31	51
9	59	66	55	63	70	135	174	124	135	136	135	174	145	124	73	53	293	282	274	272	270	289	318	315	285
10	334	324	328	325	320	84	113	29	231	290	301	284	320	310	291	304	304	305	40	273	296	313	325	337	309
11	4	25	19	36	41	41	56	69	63	58	50	56	61	56	51	53	41	26	26	25	32	29	37	40	46
12	42	46	41	58	47	51	61	50	44	44	46	36	49	50	32	37	26	25	7	13	21	38	35	37	39
13	39	48	46	33	42	40	37	39	44	49	67	64	60	49	29	35	31	30	29	27	27	47	70	42	44
14	52	52	53	52	60	61	65	62	60	59	62	53	59	52	61	68	62	59	62	53	28	38	42	44	57
15	52	53	61	68	66	69	70	74	75	80	77	71	63	82	220	245	261	259	235	238	243	244	239	212	77
16	187	205	217	210	237	206	215	216	227	239	246	250	249	246	253	251	252	255	245	243	246	255	261	260	244
17	263	264	264	257	255	251	249	247	258	252	251	258	260	260	254	254	257	255	256	242	252	263	251	240	256
18	258	321	261	264	253	229	208	225	133	80	95	94	92	76	82	69	72	56	8	27	41	42	67	74	69
19	59	68	62	63	59	353	321	340	8	25	30	20	27	29	40	63	147	195	221	258	243	124	129	139	44
20	114	104	151	8	244	294	320	36	45	44	38	33	59	70	77	99	88	125	196	198	214	204	187	198	114
21	182	175	164	172	153	146	134	148	127	128	136	136	128	142	124	119	113	124	137	121	103	85	90	89	129
22	100	103	115	117	118	124	129	133	138	133	136	142	152	146	143	155	142	113	81	75	82	77	78	75	126
23	92	101	95	91	99	104	109	131	132	139	128	132	119	122	121	125	140	117	92	87	93	91	106	107	112
24	110	110	112	121	125	130	144	172	191	215	246	239	205	254	242	193	202	219	210	184	0	0	12	0	181
25	64	113	108	116	130	121	129	135	131	155	126	148	122	118	109	115	119	105	81	81	69	76	89	75	114
26	83	66	72	67	74	68	73	100	98	94	94	83	89	94	99	103	93	92	80	71	69	66	56	48	85
27	68	76	77	75	79	71	75	89	81	71	68	62	62	77	77	61	61	53	45	38	39	40	61	165	71
28	186	172	165	184	195	191	193	259	263	260	258	271	260	267	290	304	170	123	256	264	198	146	195	255	236
29	287	281	46	177	191	219	317	41	70	83	91	88	101	110	122	357	357	348	14	8	5	19	35	57	36
30	59	58	73	84	352	52	69	68	68	75	76	286	288	299	299	301	341	4	11	11	21	45	75	111	10
Avg	59	66	74	71	68	77	80	88	91	89	82	65	67	59	44	28	4	358	349	347	2	22	43	44	53
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

June 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	6.6	6.6	7.6	7.6	7.6	7.3	7.2	9	9.3	9.1	8.9	9.1	7.9	7.8	6.8	6.6	6.5	4.8	4	2.7	2.7	2.7	2.2	1.5	6.3
2	1.7	2.4	5	4.2	2.4	1.5	2.4	4.4	3.2	3.1	2.7	3	3.9	4.2	4	3.9	5.7	4.6	4.2	3.7	2.8	1.7	1.4	2	3.3
3	1.9	1.5	1.5	1.7	1.8	1.8	2.6	4	4.5	5.1	6.9	7.5	8.1	6.4	7	6.5	4.4	6.4	4.9	4.4	4	3.9	3.8	4	4.4
4	3.9	4.1	3.5	4.3	2.8	2.4	3.2	3.4	4.7	6	6.7	6.2	5.9	4.8	6.8	6.6	5.1	5.6	5.5	4.9	4.4	5.6	7.6	6.2	5
5	4.9	4.7	4.7	4.7	3.8	3.3	4.4	4.1	5.2	4.5	3.3	2.8	2.2	2.1	2.8	3.2	4.2	3.7	2.4	1	1.5	1	0.8	0.3	3.2
6	0.4	0	0.6	1	1.3	1.7	2.3	2.8	2.6	3.3	2.8	2.5	2.3	3.1	4.1	4	3.4	3.5	3.9	2.9	2.3	3	2.2	1.8	2.4
7	1.2	2.3	2.4	2.9	2.2	2.6	3.8	4.2	4.8	5.7	6	6	5.9	5.5	5.7	6.6	6.3	5.5	4.5	6.6	6.3	5.3	4.9	5.4	4.7
8	5	5.8	4.4	3.1	3.2	2.9	3.4	3.9	4.4	3.7	3.2	2.7	2.6	2.9	2.9	3.4	4.2	2.7	2	3.2	1.3	0.6	0.7	2.9	3.1
9	3.9	3.8	2.4	1.7	2.5	2.8	1.7	2.2	3.7	4	3.6	3.3	3	2.4	3	2.9	5.9	4.4	4.6	4.3	3.7	3.3	2.6	2.2	3.2
10	2	2.3	1.7	2.2	2.3	0.7	0.2	0.7	1.4	1.9	3.8	4.2	5.3	5	5.9	7	7.8	6.5	3.5	2.7	3.1	3.6	3.1	2.9	3.3
11	2.8	2.8	2.1	2.5	2.6	2.7	3.5	5.3	4.6	4.8	5.5	6.6	6.8	6.3	6.2	5.6	3.9	3.7	3.8	4.5	4.3	4.2	3.8	3.8	4.3
12	4	4	3.4	3.2	2.7	2.8	4.3	4.2	4.9	5	5.8	5.3	6.2	5.2	5.4	5.1	4.8	3.9	4.1	4.4	5	4.6	4.9	4.6	4.5
13	4.4	4.9	4.8	3.7	3.9	3.8	4.5	5.2	5.2	7.2	7.6	7.1	7.4	6	6.6	7.2	6.1	6.1	4.8	4.2	5	5.6	3.9	4	5.4
14	5.3	6.1	5.6	5.9	5.7	5.1	6	6.5	6.4	6.9	7.1	6.3	6.1	6.6	6.9	6.4	6.5	5.8	3.7	2.6	1.9	2.7	3.6	3.8	5.4
15	3.8	4	4.5	4	4.1	3.8	4.1	4.5	4.9	5.1	5.1	4.6	4.3	4.2	5.4	5.3	4.4	4.1	3	2.9	3.3	2.7	2	2.5	4
16	3.1	2.4	2.3	3.1	1.9	1.8	3	3.6	4.4	4.8	5.4	6	5.8	6.3	6	5.9	6.5	6.4	5.7	5.7	5.2	5.2	6.2	6	4.7
17	6.7	6.7	7.3	4.8	6.1	5.6	4.8	4.4	5.9	5.4	4.9	6.5	6.2	6	5.6	5.6	4.8	4.6	4	2.7	2.5	2.1	0.7	1.2	4.8
18	1.1	0.2	0.8	0.4	0.4	0.1	0.2	0.7	0.9	1.7	3.4	4.2	3.7	4	3.6	3.6	3.9	2.7	2.7	2.6	2.4	2.3	3.2	2.4	2.1
19	1.9	1.5	0.9	1.2	0.5	0.7	1.5	2.4	3.1	3.2	3.7	4.1	3.8	3.5	3.7	5	5.5	4.4	2.9	1.8	0.4	0.4	1.4	1.3	2.5
20	1.1	1.1	1.4	0	0.9	0.9	1.3	1.6	2.3	2.3	1.9	3.2	3.9	4.8	4.2	3.8	2.2	2.2	4	3.5	3.1	3.7	3.8	3.2	2.5
21	2.3	2.1	1.4	1.8	1.4	2.4	3.3	3.7	3.6	4.8	5.1	5	5.6	4.9	5	4.9	5	4.6	4.5	3	2.4	2.1	2.3	2.5	3.5
22	2.5	2.7	3.2	2.9	2.6	3.1	3.7	4.1	5.1	5.8	6.8	6	6.1	5	3.9	2.8	2	2.4	1.4	1.4	1.3	1	1.8	2.5	3.3
23	2.9	3.2	2.8	3.3	3.6	3.1	3.8	3.1	3.5	3.8	3.7	3.9	4.4	4.4	5	4.4	3.7	3	2.6	2	2.2	2.3	2	2.2	3.3
24	2.9	2.9	2.6	2	2.5	2.5	2.4	3	3.2	3	2.5	2.8	3.2	2.9	2.8	4.2	3.8	3.1	1.2	0.2	0	0	0	0	2.2
25	0.1	1	1.7	1.7	1.1	1.1	1.4	2.4	2.7	3.4	4.5	4.6	4.9	4	4.4	4.6	3.6	3.7	2.1	1.5	1.4	1.5	1.9	2	2.6
26	2.2	2	2.2	2.2	2.5	2.5	3	3.7	4.3	3.8	4	3.6	4.5	4.9	4.6	4.3	4	3.5	1.9	1.3	1.5	1.4	1.2	1.3	2.9
27	2.2	3.3	3.7	3.5	3.7	2.9	3.4	3.7	3.9	3.2	3.7	3.6	4.2	4.8	4.8	4.9	4.7	3	1.7	1.5	1.8	2.3	3.1	3.5	3.4
28	3.1	3.5	2	1.7	0.8	0.5	1	2	2.5	2.7	3.4	3	3.1	3.3	4	6.4	4.6	3.9	2.7	2.6	3.6	2.6	1.7	1.7	2.8
29	1	1	0.5	0.2	0.6	0.4	0.4	2.7	2.8	2.8	3	3	3.1	2.7	2	4.1	4.4	4.4	3.2	1.9	2.2	2.4	2.2	1.4	2.2
30	2.9	2.5	1.8	1.2	1.1	0.9	1.8	1.9	1.4	1.5	1.5	1.6	3.7	3.8	5.5	4.8	5.5	4.2	2.8	2.5	2.3	2.4	4.3	4.6	2.8

Avg	2.9	3	3	2.8	2.6	2.5	3	3.6	4	4.3	4.6	4.6	4.8	4.6	4.8	5	4.8	4.3	3.4	3	2.8	2.7	2.8	2.8	3.6
S/D	1.7	1.8	1.9	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.6	1.4	1.4	1.3	1.3	1.2	1.2	1.4	1.5	1.5	1.7	1.6	1.1
S/A	0.58	0.58	0.63	0.61	0.65	0.66	0.56	0.46	0.42	0.41	0.4	0.39	0.34	0.3	0.29	0.26	0.27	0.29	0.35	0.48	0.53	0.56	0.61	0.56	0.31
Min	0.1	0	0.5	0	0.4	0.1	0.2	0.7	0.9	1.5	1.5	1.6	2.2	2.1	2	2.8	2	2.2	1.2	0.2	0	0	0	0	2.1
Max	6.7	6.7	7.6	7.6	7.6	7.3	7.2	9	9.3	9.1	8.9	9.1	8.1	7.8	7	7.2	7.8	6.5	5.7	6.6	6.3	5.6	7.6	6.2	6.3
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

June 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	995	995	995	996	997	998	999	999	1000	1000	1001	1002	1002	1003	1003	1004	1005	1006	1007	1008	1009	1010	1010	1010	1002	
2	1010	1010	1010	1011	1012	1013	1014	1015	1015	1015	1015	1015	1015	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1014
3	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1015	1015	1014	1013	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1010	1013
4	1010	1010	1009	1009	1008	1008	1009	1009	1010	1009	1009	1009	1009	1009	1008	1008	1008	1007	1008	1008	1008	1008	1008	1008	1008	1009
5	1008	1008	1007	1007	1007	1008	1008	1009	1010	1010	1011	1011	1011	1010	1010	1010	1010	1010	1011	1011	1012	1013	1013	1012	1010	1010
6	1012	1012	1013	1013	1014	1014	1015	1015	1016	1016	1016	1016	1016	1015	1015	1015	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015
7	1014	1013	1013	1012	1012	1012	1012	1012	1012	1011	1011	1010	1010	1010	1009	1008	1008	1008	1008	1008	1007	1008	1009	1009	1008	1010
8	1008	1008	1008	1008	1008	1009	1009	1009	1010	1010	1010	1010	1009	1009	1008	1008	1008	1008	1009	1009	1009	1009	1009	1009	1008	1009
9	1008	1007	1007	1007	1007	1008	1009	1010	1010	1011	1011	1011	1011	1011	1011	1011	1011	1011	1012	1013	1013	1014	1014	1014	1010	1010
10	1014	1014	1014	1015	1015	1015	1016	1017	1017	1017	1017	1016	1016	1016	1015	1014	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015
11	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1012	1012	1012	1012	1012	1013	1013	1014	1014	1014	1014
12	1014	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1014	1014	1013	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013
13	1013	1013	1012	1012	1012	1013	1013	1014	1014	1013	1013	1013	1013	1012	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1012	1012
14	1013	1012	1012	1012	1013	1013	1014	1014	1014	1014	1014	1014	1013	1013	1012	1011	1011	1011	1011	1011	1011	1012	1012	1012	1013	1013
15	1013	1012	1012	1012	1012	1012	1013	1013	1013	1013	1014	1013	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1014	1014	1014	1013
16	1014	1015	1014	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1020	1020	1019	1017	1017
17	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1018
18	1015	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1010	1010	1009	1009	1009	1010	1010	1010	1010	1010	1010	1012
19	1010	1009	1009	1009	1008	1008	1008	1008	1008	1008	1008	1007	1007	1006	1005	1004	1005	1005	1005	1005	1006	1006	1007	1007	1007	1007
20	1006	1006	1006	1007	1007	1008	1008	1009	1009	1009	1009	1009	1009	1008	1008	1008	1008	1008	1008	1008	1008	1009	1009	1009	1009	1008
21	1009	1008	1009	1008	1009	1009	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010
22	1009	1008	1008	1008	1009	1009	1010	1010	1010	1010	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1011	1011
23	1010	1010	1009	1009	1010	1010	1010	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1011
24	1012	1012	1012	1012	1012	1013	1013	1014	1015	1015	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1014
25	1016	1015	1016	1016	1016	1016	1017	1018	1018	1018	1017	1017	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1016
26	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1012	1012	1011	1011	1011	1010	1010	1010	1010	1010	1011	1011	1010	1012	1012
27	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1010	1011	1012	1012	1013	1011	1011
28	1013	1013	1013	1013	1014	1014	1015	1016	1016	1016	1017	1017	1017	1017	1016	1016	1017	1018	1017	1018	1019	1019	1019	1019	1019	1016
29	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1021	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1019
30	1020	1020	1019	1019	1019	1019	1020	1020	1020	1021	1020	1020	1019	1019	1018	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	1019
Avg	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1012	1012
S D	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
S/A	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	0
Min	995	995	995	996	997	998	999	999	1000	1000	1001	1002	1002	1003	1003	1004	1005	1005	1005	1006	1006	1007	1007	1007	1007	1002
Max	1020	1020	1019	1019	1019	1019	1020	1020	1020	1021	1020	1021	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1020	1019
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