

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

June 2001

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	4	16	80	294	299	424	511	730	544	206	428	243	101	39	12	0	0	0	0	0	3931
2	0	0	0	0	1	34	85	385	516	651	700	673	779	645	484	644	444	240	68	2	0	0	0	0	6349
3	0	0	0	0	4	65	238	437	628	796	921	985	985	848	732	586 ?	361 ?	196 ?	59	1	0	0	0	0	7842
4	0	0	0	0	6	37	76	71	544	766	860	856	896	712	628	584	402	252	77	10	0	0	0	0	6776
5	0	0	0	0	2	37	202	401	601	688	779	747	663	764	756	594	414	222	63	2	0	0	0	0	6934
6	0	0	0	0	4	28	63	376	619	712	742	679	351	421	661	495	379	193	90	5	0	0	0	0	5816
7	0	0	0	0	3	22	84	234	507	490	540	772	714	658	347	245	121	99	41	5	0	0	0	0	4882
8	0	0	0	0	8	58	80	197	365	455	652	829	766	343	322	354	411	252	21	4	0	0	0	0	5117
9	0	0	0	0	6	72	166	316	385	565	465	561	888	745	819	196	85	71	110	10	0	0	0	0	5460
10	0	0	0	0	4	56	205	398	583	739	577	961	812	544	232	300	361	133	56	4	0	0	0	0	5966
11	0	0	0	0	4	62	211	384	577	747	838	711	567	874	611	368	246	143	56	6	0	0	0	0	6405
12	0	0	0	0	6	59	206	395	580	742	838	896	785	745	639	467	352	237	56	6	0	0	0	0	7007
13	0	0	0	0	2	65	153	178	201	408	420	525	682	750	278	53	142	119	53	10	0	0	0	0	4039
14	0	0	0	0	7	53	134	159	367	411	720	498	587	207	131	288	241	128	35	5	0	0	0	0	3970
15	0	0	0	0	4	15	66	151	133	387	643	671	498	158	155	201	122	49	10	1	0	0	0	0	3262
16	0	0	0	0	16 ?	39	46	82	95	210	188	181	244	146	149	252	153	67	20	4	0	0	0	0	1893
17	0	0	0	0	1	32	80	194	186	404	497	506	619	628	678	419	242	206	66	5	0	0	0	0	4763
18	0	0	0	0	4	65	235	431	624	788	912	978	985	928	817	682 ?	?	274	88	8	0	0	0	0	7820
19	0	0	0	0	5	58	205	433	629	809	905	971	942	731	661	651	331 ?	232 ?	82	10	0	0	0	0	7653
20	0	0	0	0	5	41	91	173	390	711	619	626	659	796	789	598	423	230	37	7	0	0	0	0	6193
21	0	0	0	0	5	35	110	177	244	316	377	951	822	707	517	313	100	274	115	14	0	0	0	0	5079
22	0	0	0	0	4	53	201	372	553	702	816	817	724	882	766	613	438	200	54	4	0	0	0	0	7199
23	0	0	0	0	4	13	111	352	130	72	147	456	473	760	359	128	261	148	17	1	0	0	0	0	3432
24	0	0	0	0	2	38	84	102	203	167	270	557	335	472	496	331	491	263	80	7	0	0	0	0	3898
25	0	0	0	0	4	62	222	403	468	779	826	956	969	920	836 ?	548 ?	434 ?	243	95	11	0	0	0	0	7777
26	0	0	0	0	5	55	233	407	616	783	904	813	983	878	677	415	77	191	58	4	0	0	0	0	7100
27	0	0	0	0	7	59	223	415	590	504	359	809	714	903	798	645	461	261	71	9	0	0	0	0	6828
28	0	0	0	0	4	53	201	375	552	739	857	724	627	574	511	352	277	85	101	10	0	0	0	0	6041
29	0	0	0	0	3	50	173	353	534	720	645	586	807	294	561	519	202	71	52	19	0	0	0	0	5591
30	0	0	0	0	4	47	198	389	582	748	881	948	943	884	788 ?	524	383	303 ?	55	13	0	0	0	0	7689
Avg	0	0	0	0	5	46	149	301	443	581	647	732	712	637	554	420	292	181	60	7	0	0	0	0	5757
S D	0	0	0	0	3	17	65	120	177	211	227	193	202	246	221	175	134	78	28	4	0	0	0	0	1579
S/A	0	0	0	0	0.58	0.36	0.44	0.4	0.4	0.36	0.35	0.26	0.28	0.39	0.4	0.42	0.46	0.43	0.47	0.67	0	0	0	0	0.27
Min	0	0	0	0	1	13	46	71	95	72	147	181	244	146	131	53	77	39	10	0	0	0	0	0	1893
Max	0	0	0	0	16	72	238	437	629	809	921	985	985	928	836	682	491	303	115	19	0	0	0	0	7842
n	0	0	0	0	81	359	359	360	360	360	358	360	359	357	347	340	333	346	357	116	0	0	0	0	5153

Daylight Data Recovery: 0.0% missing; 1.6% exceed the 15% QC threshold -- 5239 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.

June 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?	
2	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
3	0	0	0	0	*	*	*	*	*	*	*	*	*	?	?	?	348 ?	200 ?	?	*	0	0	0	0	*	
4	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
5	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
6	0	0	0	0	?	?	?	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
7	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
8	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
9	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
10	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
11	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
12	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
13	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
14	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
15	0	0	0	0	*	*	*	*	*	?	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
16	0	0	0	0	?	188 ?	?	?	?	?	?	?	?	?	*	?	*	*	*	*	*	0	0	0	0	?
17	0	0	0	0	*	*	*	*	*	*	?	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
18	0	0	0	0	*	*	?	?	?	*	*	?	?	?	?	?	?	605 ?	336 ?	?	0	0	0	0	?	
19	0	0	0	0	*	*	*	*	*	*	*	*	?	?	?	?	460 ?	?	?	?	?	0	0	0	0	*
20	0	0	0	0	*	*	*	*	*	*	*	*	*	*	?	?	?	?	?	*	0	0	0	0	*	
21	0	0	0	0	?	?	?	?	?	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
22	0	0	0	0	?	?	?	?	?	?	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*
23	0	0	0	0	?	?	?	?	*	*	?	*	?	?	?	?	?	?	?	?	?	0	0	0	0	?
24	0	0	0	0	*	*	*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?
25	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	429 ?	?	?	?	?	?	0	0	0	0	?
26	0	0	0	0	336 ?	460 ?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?
27	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?
28	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?
29	0	0	0	0	?	?	?	?	?	?	?	?	?	*	?	?	?	?	?	?	?	0	0	0	0	?
30	0	0	0	0	?	?	?	?	?	?	?	?	?	?	650 ?	?	?	?	?	?	?	0	0	0	0	?

Avg	0	0	0	0	336	324	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	650	429	404	403	336	N/A	0	0	0	0	N/A	*?
SD	0	0	0	0	0	192	0	0	0	0	0	0	0	0	0	0	80	286	0	0	0	0	0	0	0	0
S/A	0	0	0	0	0	0.59	0	0	0	0	0	0	0	0	0	0	0.2	0.71	0	0	0	0	0	0	0	0
Min	0	0	0	0	336	188	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	650	429	348	200	336	N/A	0	0	0	0	N/A	0
Max	0	0	0	0	336	460	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	650	429	460	605	336	N/A	0	0	0	0	N/A	0
n	0	0	0	0	1	10	0	0	0	0	0	0	0	0	6	5	8	6	5	0	0	0	0	0	0	0

Daylight Data Recovery: 59.2% missing; 39.9% exceed the 15% QC threshold -- 5239 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

June 2001

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	14	70	239	269	394	430	481	397	176	344	212	87	33	10	0	0	0	0	0	3160
2	0	0	0	0	1	29	53	139	225	327	384	350	396	361	260	130	109	83	38	3	0	0	0	0	2887
3	0	0	0	0	3	32	66	89	104	114	113	121	148	239	208	151 ?	145 ?	107 ?	31	1	0	0	0	0	1674
4	0	0	0	0	7 ?	31	59	61	246	192	224	293	336	449	342	210	126	76	41	8	0	0	0	0	2702
5	0	0	0	0	2	31	114	147	161	263	350	376	324	420	310	273	169	108	42	2	0	0	0	0	3090
6	0	0	0	0	4	24	55	205	265	338	374	443	243	331	241	274	201	149	67	4	331	0	0	0	3217
7	0	0	0	0	3	19	72	211	326	409	447	396	387	365	302	171	110	85	37	6	0	0	0	0	3346
8	0	0	0	0	9 ?	51	70	173	327	361	510	518	529	300	288	267	225	139	19	3	0	0	0	0	3791
9	0	0	0	0	6	67	142	240	354	443	406	484	548	399	329	146	77	63	99	9	0	0	0	0	3812
10	0	0	0	0	4	48	121	169	218	251	307	354	373	306	178	224	238	107	50	4	0	0	0	0	2952
11	0	0	0	0	3	55	146	186	237	260	349	443	442	340	332	311	183	127	52	5	0	0	0	0	3470
12	0	0	0	0	6	53	137	177	230	294	341	396	420	404	388	336	200	156	46	5	0	0	0	0	3585
13	0	0	0	0	2	58	138	159	174	361	385	476	451	343	181	48	132	105	48	8	0	0	0	0	3068
14	0	0	0	0	7 ?	46	124	138	310	360	498	414	498	184	115	259	223	104	31	4	0	0	0	0	3316
15	0	0	0	0	4	13	58	126	117	297	421	402	416	136	136	177	105	42	9	1	0	0	0	0	2461
16	0	0	0	0	13 ?	33	40	71	82	181	163	156	210	128	130	233	132	58	17	3	0	0	0	0	1650
17	0	0	0	0	1	28	70	172	162	366	465	456	518	453	408	309	212	144	52	5	0	0	0	0	3822
18	0	0	0	0	4	60	160	118	109	123	124	120	112	106	101	93 ?	?	63	40	7	0	0	0	0	1339
19	0	0	0	0	5	57	170	112	92	145	157	146	202	274	283	250	194 ?	155	67	9	0	0	0	0	2317
20	0	0	0	0	4	35	78	149	279	372	307	330	307	286	224	155	131	96	31	7	0	0	0	0	2791
21	0	0	0	0	4	31	97	156	215	289	349	458	462	459	368	171	90	184	87	13	0	0	0	0	3433
22	0	0	0	0	4	48	160	196	304	345	366	376	350	291	260	190	190	111	39	4	0	0	0	0	3233
23	0	0	0	0	4	11	98	280	107	63	121	381	409	410	299	110	226	138	16	2	0	0	0	0	2674
24	0	0	0	0	2	33	72	89	177	145	250	510	295	391	341	280	306	117	52	7	0	0	0	0	3066
25	0	0	0	0	4	56	149	140	222	220	210	214	137	121	126 ?	248 ?	140 ?	74	46	10	0	0	0	0	2115
26	0	0	0	0	5	51	110	98	96	107	103	178	220	202	187	137	68	150	50	4	0	0	0	0	1766
27	0	0	0	0	6	29	55	67	85	181	205	243	250	205	199	111	92	77	44	8	0	0	0	0	1858
28	0	0	0	0	3	38	103	164	198	211	234	293	322	288	267	216	177	74	90	9	0	0	0	0	2687
29	0	0	0	0	3	39	99	162	219	273	310	331	430	231	443	328	160	63	49	17	0	0	0	0	3155
30	0	0	0	0	3	34	96	134	150	153	137	149	207	195	172 ?	196	152	88	47	11	0	0	0	0	1925
Avg	0	0	0	0	4	38	99	152	202	261	301	343	345	293	259	207	159	103	45	6	0	0	0	0	2812
S D	0	0	0	0	2	15	38	53	81	104	123	124	121	107	93	74	57	38	22	4	0	0	0	0	701
S/A	0	0	0	0	0.57	0.39	0.38	0.35	0.4	0.4	0.41	0.36	0.35	0.36	0.36	0.36	0.37	0.48	0.64	0	0	0	0	0	0.25
Min	0	0	0	0	1	11	40	61	82	63	103	120	112	106	101	48	68	33	9	0	0	0	0	0	1339
Max	0	0	0	0	13	67	170	280	354	443	510	518	548	459	443	336	306	184	99	17	0	0	0	0	3822
n	0	0	0	0	78	360	359	360	360	360	360	360	360	358	347	342	337	354	359	116	0	0	0	0	5171

Daylight Data Recovery: 0.0% missing; 1.3% exceed the 15% QC threshold -- 5239 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 2001

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	16.8	16.5	17	17.4	17.7	18.2	18.7	20.1	20.9	21.7	22.9	25	26.2	26.1	25.8	26.6	26	25	24.6	23.5	19.5	19.3	19.3	19.5	21.4	
2	19.5	19.5	19.7	19.7	19.6	19.7	20	21	22.2	23.4	24.3	25	25.6	26.1	25.2	26	26.8	26.9	26.3	24.8	23.8	22.6	22.6	22.4	23	
3	22	21.5	21.6	21.3	21.7	21.8	21.7	22.4	24.1	24.9	25.5	25.9	26.5	26.9	27.4	27.6	27.7	27.6	26.7	24.7	23.6	22.3	21	19.6	24	
4	19	18.9	18.4	17.8	17.7	17.9	18.8	18.8	20.8	22.7	23.9	24.8	24.3	23.8	24.7	25.5	24.3	23.5	22.4	21.5	21.1	21.2	20.7	20.7	21.4	
5	21	21.2	21.9	22.5	21.6	21.4	22.2	24.4	26.4	28.3	28.1	26.6	26.3	26.7	26.3	26.8	26.5	25.1	23.5	22	21.4	21.2	21	20.7	23.9	
6	19.7	19.7	19.6	19.8	20	20.7	21.2	22	23.7	25.4	27	27.7	27.9	27.1	28.9	29.1	27.2	26.4	25.8	25	22.6	19.8	19.8	19.7	23.6	
7	19.8	20	20.2	20.6	21.1	21.6	21.7	22.5	24	25.2	25.5	27.1	27.8	28.2	27.4	23.7	23.5	22.9	21.5	20.6	20.3	20.4	20.4	20.1	22.8	
8	19.7	19.9	19.7	19.5	19.7	20	20.4	21	22.2	22.7	24.4	25.3	25.4	24.4	23.8	23.3	23.3	23.1	22.5	21.7	21.3	21.2	20.5	19.7	21.9	
9	19.3	18.7	18.5	17.8	17.1	17.3	19.1	20.9	22.9	24.2	25.1	25.4	26.4	26.8	27.3	25.3	24.4	23.6	23.8	23.1	22.4	22.1	21.2	20.5	22.2	
10	20.3	19.5	19.3	19.1	18.7	18.7	21	22.6	24.3	25.4	27.1	28	28.5	28.7	26.7	25.4	26	25.5	25	23.9	23.2	22.8	22.3	22.3	23.5	
11	22.2	22	21.6	21.4	21.3	21.4	22.9	24.3	25.7	26.8	27.7	28.3	28.5	29.1	29.4	28.8	28.5	27.3	26.1	25.6	24.9	24.5	24.2	23.5	25.2	
12	22.8	22.4	22.2	21.9	21.7	21.9	22.7	24.5	26.5	28	29.2	29.9	30.3	30.7	30.7	30.7	30.7	30.4	29.1	27.7	26.3	25.8	25.3	24.7	26.5	
13	24.3	24.1	23.9	23.6	23.2	23.4	24.1	25.1	25.5	26.7	27	27.6	28.3	28.4	27.2	26	26.5	27	26.8	26.3	25.7	25.2	25.1	24.8	25.7	
14	24.1	24.5	24.7	24.3	24.2	24.6	25	25.1	25.4	26.6	27.2	27.3	27.7	27.2	26.5	26.1	25.6	25.2	24.8	24.4	24.1	23.7	23.7	23.3	25.2	
15	23.3	23.4	23	22.7	22.9	23.1	23.4	23.7	24.2	25	26.4	26.9	26.6	25.3	25.2	25.1	24.7	24.1	23.6	23.4	23.4	23.5	23.6	23.1	24.1	
16	23	22.8	23	23.1	23.1	23.1	23	23.1	23.2	23.5	23.9	24.1	24.1	24.2	24.3	25	25.7	25.7	25.4	24.8	24.3	23.1	22.4	22.1	23.7	
17	22.1	22.1	21.8	21.7	21.3	21.2	21.1	21.5	21.9	23	24.4	25.2	26.7	27.7	28.6	28.9	28.3	28.4	27.7	25.5	23.5	23	22.4	22.1	24.2	
18	21.7	21.6	21.2	20.8	20.9	21.3	22.7	24.3	26.2	26.5	26.7	27.2	27.6	28	28.2	27.7	27.5	26.7	25.5	23.6	22.6	21.7	21.3	21.2	24.3	
19	20.7	19.6	18.5	17.8	17	17.1	20.4	23.2	25.3	26.9	28	28.5	28.8	29	28.3	29.1	28.8	27.4	26.1	25.1	24.5	23.9	23.2	22.7	24.2	
20	22.3	22	22	21.6	21.3	21.2	21.9	23	24.5	26.9	26.9	27.6	28.1	28.8	28.9	28.4	27.7	27.1	26	25.2	24.5	24.1	23.7	23.4	24.9	
21	23.4	23.1	23	22.7	22	22.1	22.8	23.6	24.6	25.9	26.7	27.9	28.4	28.6	28	27.4	25.7	25.9	25.7	25.1	24.4	24.1	23.6	23.5	24.9	
22	23.2	22.8	22.2	21.7	21.6	21.8	23.2	24.7	26.1	26.9	27.4	28.3	28.4	28.7	29.2	29.3	29.2	28.5	27.5	26.3	25.7	25.3	24.9	24.6	25.7	
23	24.5	24.7	24.6	24.6	24.5	24.4	24.6	25.9	22.1	22	22.1	23.8	25.9	27	26.5	24.6	23.9	24.9	23.9	23.3	21.7	21.5	21.4	21.3	23.9	
24	20.9	20.9	20.8	20.9	20.8	20.8	21	21.2	21.9	22.4	22.3	23.9	23.9	24.3	24.5	24.5	24.6	24.3	23.5	22.3	21.8	21.2	21	20.5	22.3	
25	20.3	19.8	19.5	19.4	19.1	19.4	20.8	22.5	23.7	25.3	25.7	26.2	26.6	26.9	26.9	26.7	26	24.9	24.3	23.1	22.4	22.1	21.6	21.3	23.1	
26	20.4	19.4	19.2	19	18.8	19.7	22.2	23.6	24.7	26.2	27.3	28.1	27.8	28	27.7	27	25.6	25.2	24.5	24	23.6	23.2	23	22.7	23.8	
27	22.5	22	21.7	21.1	20.6	20.9	23.5	25.9	27.5	29.3	29	29.5	29.4	29.6	30	30.2	29.5	29	28.1	26.7	26.1	25.9	25.5	25	26.2	
28	24.6	24.1	23.6	23.4	23.2	23.1	24.3	26.1	27.8	29.8	31.3	31.9	32.1	32.4	32.6	31.9	31.4	30.1	29	28.4	26.8	26.5	25.7	25.8	27.8	
29	25.6	25	24.4	24	23.4	23.4	24.5	26.2	28.8	30.3	33	32.9	32.2	32.4	32.6	31.9	31.7	31.2	29.9	28.8	27.6	26.7	26	25.6	25.7	27.4
30	25.4	24.9	24.4	24.1	23.9	24	25	26.7	28.1	29.5	30.3	30.9	31.3	31.7	32.1	31.8	31.7	31.2	29.9	28.8	27.8	27.4	26.8	26	28.1	
Avg	21.8	21.5	21.4	21.2	21	21.2	22.1	23.3	24.5	25.7	26.6	27.2	27.6	27.6	27.6	27.3	26.9	26.4	25.6	24.6	23.6	23.1	22.8	22.4	24.3	
S D	2.1	2.2	2.1	2.1	2.1	2	1.8	2	2.1	2.4	2.5	2.3	2.1	2.1	2.2	2.3	2.3	2.2	2.1	2	2	2	2	2	1.8	
S/A	0.1	0.1	0.1	0.1	0.1	0.1	0.08	0.08	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.07	
Min	16.8	16.5	17	17.4	17	17.1	18.7	18.8	20.8	21.7	22.1	23.8	23.9	23.8	23.8	23.3	23.3	22.9	21.5	20.6	19.5	19.3	19.3	19.5	21.4	
Max	25.6	25	24.7	24.6	24.5	24.6	25	26.7	28.8	30.3	33	32.9	32.2	32.4	32.6	31.9	31.7	31.2	29.9	28.8	27.8	27.4	26.8	26	28.1	
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 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 2001

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	85.1	82.3	82	79.8	79.9	78.8	76.1	74.7	79.8	83.1	86.1	84.3	78.5	77.3	79.5	73.9	72.7	81.7	85.9	90.2	?	?	?	?	80.6 ?
2	?	?	?	?	?	?	?	97.8 ?	93	86.4	82.5	78.3	75.2	75.1	79.1	74.5	69.7	70.6	73.5	79.9	82.7	87.7	86.4	87.3	81.2 ?
3	84.5	83.7	74.2	70.6	67.3	67.6	70.9	70.8	60.5	54.5	54.3	53.9	53.6	53.3	51.5	50.2	50.9	50.1	53.7	60.3	63.6	73.2	73.1	79.3	63.6
4	81	81.2	83.3	86.1	86.9	86.9	82.7	81.5	70.9	58	53.4	51.7	58	63.3	60.7	59.4	62.5	62.2	65	69.7	75.7	76.6	82.7	92.3	72.2
5	96.8	98.6	98.9	96.3	97.9	98.9	97.6	92.5	84.8	76.6	77.9	81.3	79.4	78.7	79.9	77.5	78.4	82.4	86.1	88.9	92.2	94.6	96.5	94.7 ?	88.6
6	?	?	?	?	?	?	?	98.8 ?	94.2	88.4	82.5	80	76.9	78.5	65.9	69	82.4	87.5	92.3	93.4	93.9 ?	?	?	?	84.5 ?
7	?	?	?	?	?	?	?	99.1 ?	94.9	87.6	84.7	77.1	72.6	69.3	71.7	86.2 ?	98.8	98.7 ?	98.1	97.5	97.9	97.5	97.4	98.2	89.8 ?
8	99.8 ?	?	?	?	?	?	?	98.8	94.1	90.2	78.4	74.4	74.8	77.2	75.9	72.7	70.9	70.7	73	77.6	84.6	88.1	92.6	96.5	82.8 ?
9	98.7	?	?	?	?	?	95.2	87.2	76	72.3	65.5	62.2	58.4	55.6	54	62.7	66.4	71.1	70.9	75.4	79.6	81.5	88.2	92.5	74.4 ?
10	93.3	95.9	95.5	95.9	96.9	97.5	92.6	88.8	82.3	75.1	62.7	53.1	51.7	53.2	68	75	71.6	69.9	66.5	72.6	81.4	86.9	90.7	94	79.6
11	96.4	98	99.5 ?	?	?	?	97.8	93.7	87.2	80.1	72.3	66.3	62.6	60.5	58.4	63.1	65.9	70.9	77.6	82.5	86.9	88.1	83.1	83.7	79.7 ?
12	89.2	94.3	98	99.9 ?	?	?	98.9 ?	92.7	80.2	73.7	66.6	62.3	61.3	58.5	57.1	61.1	61.9	62.8	72.8	79.7	85.2	86.6	91.6	94.9	78.6 ?
13	96.7	97.2	97.6	98.6	99.6	99.2	97.1	92.2	89.9	86	86.6	81.8	79.1	81.3	88.2	95.3	95	92.1	92.5	91.5	96	98.4	99.5	99.4 ?	92.9
14	?	?	?	?	?	99.5 ?	97.1	93.5	90.7	81.6	82.2	81.2	79.2	80.8	86.9	88.9	91.4	93.4	94.1	95.5	98.3	99.2 ?	?	?	90.2 ?
15	?	?	?	?	?	?	?	?	99.9 ?	97.1 ?	92.7	89.7	91.1	96.2 ?	98.5	97.5 ?	?	?	?	?	?	?	?	?	95.3 ?
16	?	?	?	?	?	?	?	?	?	?	?	99.8	99.9 ?	99.7	99.5	98.4	97.2	95.9	94.5	96	96.9	97.9	99.4 ?	?	97.9 ?
17	?	?	?	98.2	98.4	95.9	95.2	92.3	89.9	84.4	80	76.5	69.1	58.3	52.5	48.3	54	57.5	60.6	74.8	88.9	90.8	93.8	95	78.8 ?
18	96.7	97.6	99.1	98.5	93	86.5	81.4	78.3	65.6	61.7	61.3	58.7	55.6	55.3	56.5	56.8	57.9	59.9	70.4	80.5	86.2	92.6	96.8	99.5 ?	76.9
19	?	?	?	?	?	?	97.1 ?	91.6	82.8	73	59.2	49.1	56.2	56.1	62.7	54	48.9	67.4	80.5	86.2	88	90.9	94.5	96.1	74.1 ?
20	97.3	98.7	99.2	99.5 ?	?	?	?	97.1	90.7	75.5	71.6	68.5	66.6	61.4	57.2	59.8	64.6	67.3	71.7	76.4	79.2	80.8	87.9	95	79.3 ?
21	96.2	97.5	98.4	97.9	99.3	99	97.6	96	91.3	82.4	75.2	67	65.5	65.6	72.6	74.5	84.1	83.3	80.3	84.9	91.7	92.3	94.9	95.1	86.8
22	96	97.9	99.5 ?	?	?	?	96.8 ?	93.3	89	84.6	80.5	75.2	76	71	68.1	71	70.1	75.9	76.6	85.9	89.4	88.7	91.4	95.1	84.4 ?
23	96.6	97.2	97.9	98.7	99.5	99.8 ?	98.3	95.8	96.6 ?	99.8 ?	?	99.1 ?	92.7	84.6	85.4	92.2	98.7 ?	97.3	97.5	98.4 ?	99.2 ?	?	?	?	96.3 ?
24	?	?	?	?	?	?	?	99.6 ?	97.4	95.1	95.5	85.1	84.5	84.3	77.5	73	72.5	73.6	80.1	84.3	87.4	91.3	93.7	96.6	86.6 ?
25	97.8	99.8 ?	?	?	?	?	98.3 ?	91.4	84.3	74.2	71.8	68.7	66.4	61.8	65.7	66.9	74.6	78.5	80.8	87.4	93	95.6	96.7	97.7	82.6 ?
26	99 ?	?	?	?	?	?	95.5	90.7	86.3	73.3	63.4	68	76	74.9	71.9	71.5	74.6	73.4	78	82.1	87.8	90.3	90.9	91	81 ?
27	93.4	96.4	98.6	99.4 ?	?	?	96.7	91.1	82.9	74.5	74.8	72.8	75	75.6	73.9	69.2	73.1	79	81.8	90	95.4	95.4	96.3	98.5	85.6 ?
28	99.3	99.4	99.8 ?	?	?	?	97	89.7	81.2	72.7	62.4	59.1	58.6	56.2	54.9	61.3	67.2	71.6	73.3	75.3	83.2	87	92.2	91.4	77.8 ?
29	90.8	92.8	95.2	96.3	98	97.8	94.2	87.9	77.8	71.5	59.4	59.4	60.7	74.9	77.5	73.2	79.2	79	79.3	85.4	89	93.4	95.9	96	83.5
30	96.5	98	99.8	100 ?	99.3	97.6	94.1	84.9	77.3	69.9	63.8	62.5	64.1	61.9	60	60.8	62.8	64.8	70.9	75.5	78.4	86.2	88.5	90.3	79.5
Avg	94.3	94.8	95.1	94.4	93	92.7	93.1	90.8	85.2	78.7	73.1	71.6	70.6	70	70.4	71.3	73	75.5	78.6	83.4	87.6	89.7	91.8	93.8	82.8 ?
S D	5.3	6	7.6	8.7	10.1	10	7.8	7.2	9.4	10.8	11.5	13.2	12.2	12.6	13.2	13.5	13.7	12.4	11	9	8	6.5	6	4.8	7.5
S/A	0.06	0.06	0.08	0.09	0.11	0.11	0.08	0.08	0.11	0.14	0.16	0.18	0.17	0.18	0.19	0.19	0.19	0.16	0.14	0.11	0.09	0.07	0.07	0.05	0.09
Min	81	81.2	74.2	70.6	67.3	67.6	70.9	70.8	60.5	54.5	53.4	49.1	51.7	53.2	51.5	48.3	48.9	50.1	53.7	60.3	63.6	73.2	73.1	79.3	63.6
Max	99.8	99.8	99.8	100	99.6	99.8	98.9	99.6	99.9	99.8	95.5	99.8	99.9	99.7	99.5	98.4	98.8	98.7	98.1	98.4	99.2	99.2	99.5	99.5	97.9
n	236	208	182	146	144	148	237	313	329	331	336	351	355	356	360	348	343	343	348	345	322	304	292	269	6951

Data Recovery: 0.0% missing; 19.5% 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

June 2001

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	15.2	14.9	15.3	15.8	16.7	17.1	18.1	19.9	21.5	22.8	24.1	26.8	27.8	27.6	25.9	27.2	26.8	25.7	24.9	23.6	20.8	19.6	19.3	19.3	21.5
2	19.4	19.3	19.4	19.4	19.2	19.4	19.7	21.3	24.1	25.5	26.7	27.6	27.9	28.3	27.6	27.7	28.5	28.3	27.7	25.5	23.6	21.9	21.6	21.3	23.8
3	21.1	20.6	20.3	20.1	20.2	20.9	22.2	23.8	26.1	27.7	28.6	28.7	28.8	28.8	29.2	29.5	29.5	29	27.8	25	22.7	21.4	20.4	19.3	24.7
4	18.3	18.2	17.7	17.1	17	17	18.2	18.5	20.9	25.4	28	29.3	29	27.8	28.1	28.7	27.9	26.5	24.7	22.4	21.1	20.6	20.1	19.8	22.6
5	20	20.2	20.7	21.8	21.5	21.1	22.3	25.2	28.1	30.7	32	31.5	30	30.3	30.5	30.5	30.5	28.8	26.4	23.5	21.8	21.1	20.8	20.7	25.4
6	19.9	19.6	19.6	19.6	19.7	20.1	20.6	21.9	25.7	28.3	30.7	31.9	31.9	29.8	31.3	32.8	31.5	29.4	27.8	25.9	24.2	20.8	20.1	19.7	25.1
7	19.6	19.5	19.6	19.8	20.3	20.6	20.9	22.1	25	27.2	27.4	29	29.7	30.4	30.1	27	24.4	23.6	22.5	21.2	20.2	20.2	20	19.5	23.3
8	19.2	19.4	19.1	18.8	18.9	19	19.8	20.7	23.2	24.7	27.4	29.3	30.1	28.4	26.7	25.7	25.8	25.7	24.1	22.2	21.4	21	20.1	18.9	22.9
9	18	17.6	17.4	16.9	16.3	16.2	17.5	19.7	23.6	25.9	27.9	28.4	30	31	31.5	29.8	26.6	24.9	24.4	23.4	22.1	21.6	20.4	19.5	22.9
10	18.9	17.9	17.2	17	16.8	16.8	19.4	23.2	26.2	28.9	30.6	31.7	33	32.9	31	28	28	27.4	26	24.2	22.7	21.9	21.1	20.9	24.2
11	21.1	20.9	20.6	20.4	20.3	20.2	22	25	27.7	29.6	31	31.9	31.8	31.7	32.5	31.4	30.9	29.4	27.4	26	24.9	24	23.4	22.9	26.1
12	22.2	21.7	21.5	21.2	20.9	21.1	22.6	25.2	28.4	31	32.7	33	33.3	33.4	33.4	33	33	32.3	30.7	28.3	26.5	25.2	24.5	24.1	27.5
13	23.6	23.5	23.4	23	22.6	22.7	23.8	25.3	25.9	27.6	29.3	29.9	30.5	31.1	30.1	27.5	26.9	27.3	27.3	26.4	25.3	24.9	24.4	24.4	26.1
14	23.8	23.7	24.1	24	23.9	24.2	24.9	25.4	26.2	27.9	29.2	29.9	30	29.4	27.7	27.4	26.7	26.7	25.7	24.9	24.4	23.9	23.4	23.1	25.9
15	22.8	22.9	22.7	22.5	22.5	22.5	22.9	23.4	24.4	24.4	26.9	29	28.9	27.3	25.6	25.1	24.6	24.2	23.8	23.3	23.2	23.1	23.2	22.9	24.3
16	22.7	22.4	22.6	22.7	22.8	22.7	22.8	22.8	22.9	23.3	23.5	23.8	23.8	23.8	23.9	24.3	25.4	25.8	25.4	24.9	24.3	23.6	22.6	22	23.5
17	21.8	21.6	21.3	21	20.8	20.8	20.9	21.4	22.3	23.5	25.9	27.1	28.9	29.8	30.7	31.5	30.2	29.8	28.2	26	23.4	22	21	20.4	24.6
18	20.1	20.2	19.8	19.4	19.1	19.7	22	24.6	27.2	28.6	29.3	29.6	30	30.1	30.9	31.1	30.5	29.5	27.6	24.7	22.1	20.8	20	19.8	24.9
19	19.4	18.5	17.6	17	16.2	16.2	18.9	22.8	26.8	29.9	32.3	32.7	32.7	32.4	31.5	32.1	32.1	30	28	25.9	24.3	23.4	22.3	21.3	25.2
20	20.5	20.4	20.6	20.4	20	20.1	20.7	21.8	24.2	29.6	30.6	30.5	31.1	31.9	32.2	32	30.9	29.7	27.5	25.5	24.1	23.4	23	22.7	25.6
21	22.4	22.2	22.1	21.9	21.3	21.2	21.8	23.2	24.8	26.9	28.3	30.1	31.8	32.4	31.5	30.5	27.8	27.1	27.3	25.9	24.5	23.7	22.9	22.6	25.6
22	22.4	21.9	21.3	20.7	20.5	20.8	22.2	25.3	28.3	30.2	31.1	31.9	31.8	31.3	31.8	32	31.7	30.8	29	27	25.9	25	24.5	24.1	26.7
23	24	24.1	24	24.1	24	23.9	24	26.1	24.6	22.2	21.9	22.9	25.7	28	28.9	27.1	25.3	25.3	24.6	23.9	22.3	21.2	20.8	20.8	24.2
24	20.4	20.3	20.4	20.4	20.5	20.4	20.7	20.8	21.7	22.9	22.5	24.7	25.7	26.4	26.6	27.2	26.7	26.9	25.4	23.1	21.6	20.6	20	19.5	22.7
25	19.2	18.8	18.5	18.3	18.1	18.4	20.3	23.2	25.1	27.5	28.9	29.5	29.5	29.6	30.1	30	29.6	28	26.4	24.2	22.2	21.3	20.7	20	24.1
26	19.3	18.5	18.2	17.9	17.7	18.3	20.6	24.1	26.7	29.2	30.7	31.7	31.4	31.5	31.1	30.5	27.7	26.5	26.1	24.6	23.4	22.6	22.2	21.6	24.7
27	21.3	20.7	20.2	20.1	19.7	20	23.1	27.4	30.5	33.2	32.5	32	33.1	32.8	33.3	33.9	33.1	32	30.4	27.9	26.3	25.6	24.9	24.4	27.4
28	24	23.5	23.1	22.7	22.6	22.6	24.2	27.1	29.7	32.3	34.8	35.7	35.6	35.6	35.6	35.1	33.7	32.3	30.6	28.9	26.9	25.9	24.9	24.7	28.8
29	24.6	24.4	23.8	23.4	22.8	22.8	24.2	27	30.6	33.9	36.6	37.4	36.2	34	29.4	33	31.7	30.5	28.7	27.4	26.1	25.1	24.7	24.8	28.5
30	24.7	24.3	23.9	23.6	23.2	23.3	24.9	27.5	29.8	31.9	33.2	33.6	33.6	33.8	34.4	34.4	33.8	33.2	31	29.3	27.7	26.8	26.5	25.9	28.9
Avg	21	20.7	20.5	20.4	20.2	20.3	21.5	23.5	25.7	27.7	29.2	30	30.5	30.4	30.1	29.9	29.1	28.2	26.9	25.2	23.7	22.7	22.1	21.7	25.1
S D	2.2	2.3	2.3	2.3	2.3	2.2	2	2.4	2.7	3.2	3.5	3.2	2.8	2.6	2.7	2.9	2.8	2.5	2.2	2	1.9	2	2	2	1.9
S/A	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.1	0.1	0.12	0.12	0.1	0.09	0.08	0.09	0.1	0.1	0.09	0.08	0.08	0.08	0.09	0.09	0.09	0.07
Min	15.2	14.9	15.3	15.8	16.2	16.2	17.5	18.5	20.9	22.2	21.9	22.9	23.8	23.8	23.9	24.3	24.4	23.6	22.5	21.2	20.2	19.6	19.3	18.9	21.5
Max	24.7	24.4	24.1	24.1	24	24.2	24.9	27.5	30.6	33.9	36.6	37.4	36.2	35.6	35.6	35.1	33.8	33.2	31	29.3	27.7	26.8	26.5	25.9	28.9
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI Serial Number: TC-107 Calibration Factor: 1.00 deg C/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 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0.4	1.4	2	2.3	2.3	2.9	3.3	3.6	4.1	4.6	3.9	4.2	4.5	4.3	4.2	4.9	5.2	4.6	3.9	3.7	2.8	2.1	2.9	2.8	3.4
2	2	1.7	1.2	1	0.2	0.1	1.3	2.8	3.5	4	4	4	4.5	3.9	4.3	4.4	3.8	3	2.1	1.4	1	1.2	1.5	2.3	2.5
3	2.9	2.7	3.1	2.6	2.8	3.6	3.7	3.3	3.2	3.8	3.6	4.5	4.3	4.9	4.3	4.2	3.5	3.1	1.5	0.9	0.7	1.3	2.8	2.2	3.1
4	1.8	1.8	1.2	0.8	0.7	0.2	1	0.5	1.5	1.4	1.3	1.1	2.5	3	2	2.6	3.3	3.9	3.7	3.1	2	2.1	1.9	2.1	1.9
5	1.7	1.6	2.4	3.1	2	1.7	1.9	3.1	3.3	2.5	3.3	3.3	2.7	2.9	3.5	2.6	2.6	2.8	2.9	2.6	2.3	2.1	2.8	3.1	2.6
6	0.5	1.3	2.3	1.6	1	1.8	2.2	2.8	2.2	2.2	1.3	1.4	1.7	1.9	1	1.6	2.9	2.6	1.9	1	2.4	0.7	0.6	0.4	1.6
7	0.8	1	0.8	0.9	1.9	1	0.1	0.7	2.1	3.7	3.8	4	4.1	4.5	3	2.4	0.8	1.6	2.2	2	1.5	0.4	0.6	0.1	1.8
8	0	0	0	0	0	0.2	0.6	0.8	1.7	1.6	1.3	1.7	2.5	3.2	3.3	3.4	2.9	3	1.9	1.5	1.1	1	0.6	0.4	1.4
9	0.6	0.9	0.4	0.4	0.3	0.2	1	0.8	1.2	1.4	1.4	1.9	1.6	1.6	1.8	3.1	2	1.9	1.8	1.3	0.8	1.2	0.8	0.6	1.2
10	0.1	0.1	0	0.3	0.1	0.2	0.5	1.7	1.6	1.3	0.9	1.1	1.2	0.8	2.6	3.8	3.8	2.8	1.7	1.4	0.9	0.3	0.3	1.5	1.2
11	1.5	1.3	0.9	0.8	0.3	0.3	0.8	1.9	2.4	2.9	3	2.7	2.7	3	2.5	2.2	2.1	2.1	1.9	2.1	2	1.6	2.1	2	1.9
12	1.5	1.7	1.6	1.3	1.6	1.2	2.5	2.1	1.7	2.2	2.8	3.5	3.3	3.5	3.7	2.7	2.6	2.1	1.5	1.2	1.5	0.1	1.1	0.7	2
13	1.2	1.7	1.6	0.7	0.5	1.8	1.4	0.7	1.1	1.2	2.5	2.8	3.5	4.9	5.2	3.7	3.4	3.2	2.6	1.8	1.7	1.9	2	2.7	2.2
14	2.8	3	2.7	2.3	3	3.1	4.3	3.5	3.4	3.6	4.7	5	4.9	5.2	5.4	5.1	4.5	4.3	4.1	4	4.3	4	4.5	3.8	4
15	3.2	3.7	3.3	3.3	2.8	3.6	3.4	3.8	4.2	4.2	4.9	5.6	5.2	4.3	4.1	3.4	3.8	3.8	4.4	3.2	3.6	4.8	4.5	4.6	4
16	5.1	5	4.6	4.2	4.3	4.4	4.4	4.6	3.3	3.7	3.7	4.1	3.6	2.8	2.6	2	1.5	1	1.1	2.2	3.4	2.7	2.9	2.8	3.3
17	2.1	1.8	1.3	1.6	0.9	1	1	1.6	1.3	1.3	1.3	2	2	1.7	1.9	1.7	1.1	0.8	0.1	0.1	0.3	0.1	0.1	0	1.1
18	0.2	0.4	0.2	0.8	1.3	1.3	2.2	3	4.3	4.5	4.4	3.9	3.9	3.4	2.8	3.3	2.7	2.5	2.1	1.8	1.6	1.2	1.8	1.4	2.3
19	0.6	0	0	0	0.1	0.1	0.3	1	0.9	0.9	1.3	1.6	1.9	2.5	3.2	2.6	2.5	2.7	2.6	2.1	2.3	1.3	0.2	0.2	1.3
20	0.2	0.9	0.3	0	0	0	0.1	0.1	0.3	1.3	1.7	1.6	1.8	2.2	2.3	3.8	3.8	3.3	2.2	0.8	1.2	1.3	1.1	0.5	1.3
21	0.1	0.2	0.8	0.8	0.3	0.2	0.5	0.9	0.9	0.9	1.6	2.7	2.8	2.6	3.4	4.2	3.4	3	3	2.2	1.9	1.5	0.6	1.1	1.7
22	0.6	0.3	0.1	0	0.1	0.5	1.1	2	2.1	2.6	2.9	2.8	4	4.3	4.1	4.4	4.8	4.2	3.3	3.1	2.3	2.2	2.6	2.3	2.4
23	2.3	2	1.9	1.7	1.2	0.9	0.8	2.9	3.4	3.1	1.9	2	3.2	3.9	3.5	0.9	0.5	0.4	0.9	1.3	1.9	0	0.4	0.1	1.7
24	0	0.2	0.4	0	0.4	1.3	1.5	1.6	1.1	1.8	1.7	2.8	2.8	3.1	2.7	3	3.3	3.6	2.5	2.4	2.4	1.1	1.1	0.8	1.7
25	1.2	1.2	0.9	1.4	0.9	1.2	1.9	2.5	2.6	2.8	3.3	2.9	3.2	2.9	3.4	3.1	3.2	3.2	2.6	2	1.8	1.8	1.3	1.1	2.2
26	0.1	0.2	0.3	0.2	0.6	0.6	0.9	1.8	2.2	2.2	1.9	2.3	3.6	3.3	3.3	3.7	3.2	3.2	2.7	2	1.8	1.4	1	0.5	1.8
27	0.4	0	0	0.1	0.2	0.3	0.3	0.8	1	0.5	0.7	0.8	3.2	2.6	2.5	2.8	3.7	3.2	2.7	1.9	1.3	1.2	1.1	1.3	1.4
28	1.3	1.2	1.3	1.7	1.3	1.3	1.5	1.7	2.1	1.9	2	1.8	1.8	1.3	1	2.4	1.8	2	1.5	0.1	0.3	0.2	0.3	1.1	1.4
29	1.3	1.4	1.4	1.1	1.5	1.8	1	1.1	0.6	1	0.4	1	2	2.2	2.1	3	2	1.9	1	0.4	0.2	0.2	0.9	1.7	1.3
30	1.6	1.1	1.3	1.4	1.4	1.6	2	2.6	3	3	3.5	4.1	4	4.2	3.8	4	3.6	3	1.9	1.8	1.7	2.3	2.9	2.7	2.6
Avg	1.3	1.3	1.3	1.2	1.1	1.3	1.6	2	2.2	2.4	2.5	2.8	3.1	3.2	3.1	3.2	2.9	2.8	2.3	1.9	1.8	1.4	1.6	1.6	2.1
SD	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.2	1.3	1.3	1.1	1.1	1.1	1	1.1	1	1	1	1.1	1.2	1.2	1.2	0.8
S/A	0.91	0.86	0.89	0.89	0.95	0.93	0.76	0.57	0.51	0.5	0.51	0.46	0.35	0.35	0.34	0.31	0.38	0.37	0.43	0.52	0.54	0.75	0.76	0.75	0.39
Min	0	0	0	0	0	0	0.1	0.1	0.3	0.5	0.4	0.8	1.2	0.8	1	0.9	0.5	0.4	0.1	0.1	0.2	0	0.1	0	1.1
Max	5.1	5	4.6	4.2	4.3	4.4	4.4	4.6	4.3	4.6	4.9	5.6	5.2	5.2	5.4	5.1	5.2	4.6	4.4	4	4.3	4.8	4.5	4.6	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

June 2001

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	144	159	176	181	181	161	187	202	203	201	202	199	243	240	251	241	261	252	255	295	283	255	239	232	226
2	253	248	277	272	281	298	304	308	322	318	325	322	302	300	340	312	325	311	322	311	286	283	292	303	309
3	320	302	313	318	317	340	356	359	2	22	351	355	338	342	333	348	333	3	36	45	74	113	130	135	349
4	130	130	97	89	92	102	101	122	157	117	160	220	247	232	286	302	241	219	223	218	232	235	234	241	216
5	236	261	299	351	329	335	325	342	359	36	103	109	112	140	159	139	152	178	197	191	203	189	209	34	152
6	45	291	294	285	255	300	318	323	348	16	344	347	50	50	96	167	228	235	228	250	183	197	47	45	298
7	50	63	53	44	77	99	55	72	93	82	82	93	83	103	144	152	124	185	216	229	240	229	243	242	107
8	335	327	110	275	154	225	239	265	258	281	248	250	278	282	288	279	295	278	251	290	281	260	243	212	274
9	192	185	203	174	155	160	189	179	190	196	216	222	287	308	305	257	300	322	314	314	331	346	352	20	271
10	334	11	21	354	348	138	73	68	100	71	143	341	83	32	291	270	268	270	271	265	270	288	299	308	291
11	316	316	326	319	326	331	351	19	357	20	15	47	63	51	39	28	14	12	347	335	342	26	35	31	15
12	34	38	33	47	34	45	54	67	94	74	63	67	68	61	60	61	59	51	27	26	34	336	20	26	54
13	23	31	45	44	54	47	38	15	291	288	261	275	282	280	304	298	290	289	300	307	287	280	267	270	299
14	274	284	272	252	271	270	281	280	264	270	257	256	257	257	260	252	260	251	259	252	246	254	254	259	261
15	254	255	257	249	249	246	248	256	259	272	273	264	272	276	269	289	296	311	317	332	328	332	352	22	284
16	22	45	50	51	55	70	79	78	85	81	59	73	80	82	69	52	60	101	60	44	72	65	70	78	64
17	100	114	112	126	154	103	114	139	117	132	121	123	125	145	132	138	130	115	129	47	57	62	68	91	123
18	75	95	118	129	149	136	180	192	228	216	222	230	236	241	216	240	236	234	239	247	241	245	261	260	224
19	251	135	141	76	146	133	226	228	256	242	265	285	300	261	271	272	296	291	290	297	309	319	320	332	282
20	357	340	349	8	72	93	73	55	58	53	24	44	35	348	343	322	338	327	325	329	1	358	351	357	350
21	347	12	38	40	43	4	4	40	9	17	358	338	318	328	293	302	310	317	319	312	335	333	344	351	328
22	343	354	37	337	359	308	331	348	343	334	351	0	320	322	343	310	326	342	4	341	356	13	7	11	341
23	25	5	17	7	11	3	356	360	27	320	4	332	360	19	25	125	164	329	25	95	110	173	184	169	14
24	121	114	166	76	188	176	186	201	208	220	178	208	210	214	210	220	225	219	241	241	241	230	219	205	215
25	187	186	176	178	180	172	188	199	211	229	250	216	218	224	233	233	246	254	246	238	244	242	239	229	225
26	198	135	168	149	174	216	237	271	263	265	297	265	269	253	248	257	261	250	263	274	266	276	317	310	262
27	289	185	3	59	70	89	81	47	56	150	169	262	276	325	329	313	311	309	320	305	324	16	14	18	322
28	33	45	64	64	78	68	79	102	92	115	124	131	101	105	243	263	298	27	18	45	72	44	64	83	
29	67	73	65	91	83	105	116	121	137	93	270	232	43	181	262	279	280	356	24	56	37	335	36	34	57
30	25	43	54	59	63	58	84	87	81	86	53	57	57	49	53	46	43	45	44	38	32	25	36	37	53
Avg	350	354	356	18	44	56	354	346	320	340	316	294	303	295	297	281	288	286	289	291	291	301	311	349	300
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 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0.7	2.2	3	3.4	3.6	4.5	5.1	5.8	6	6.8	5.9	6.5	6.5	6.4	6.7	7.7	8.5	7.3	6.3	6.3	4.7	3.3	4.4	4.4	5.3
2	3.5	2.9	2.6	2.1	0.7	0.7	2.4	4.6	5.6	5.7	6	6.4	6.6	6.6	6.6	6.7	5.8	4.6	3.1	2	1.6	1.8	2.2	3.5	3.9
3	4.2	3.9	4.6	3.7	3.9	5.4	5.6	5.2	5.9	6.5	6.1	7.1	6.5	7.7	6.9	7	5.6	5.3	3	1.8	1.4	2	4.9	3.5	4.9
4	2.8	3.2	2.1	1.5	1.4	0.6	1.7	1.1	2.7	2.8	2.6	2.4	4.2	4.6	3.4	4.3	4.7	5.7	5.3	4.4	2.8	3.1	2.7	3.1	3.1
5	2.7	2.6	3.6	4.9	3.2	2.7	2.8	5	5.2	4.3	5.2	5.1	4.3	4.4	5.5	4.2	4.1	4.4	4.3	4	3.3	3.3	4	5.6	4.1
6	1.4	2.3	3.4	2.8	2.2	2.9	3.2	4.1	3.4	3.7	2.6	2.6	3.3	3.2	2.5	2.8	4.1	3.9	2.8	1.7	4.3	1.6	1.2	1	2.8
7	1.4	1.7	1.4	1.7	3.3	2.2	0.4	1.6	3.7	5.6	6.2	6.9	7	7.9	5.4	5	1.9	3	3.6	3.5	2.7	1.4	1.4	0.4	3.3
8	0.2	0.2	0	0	0.1	0.6	1.6	1.6	2.7	2.5	2.4	3	3.8	4.6	4.8	4.9	4.5	4.5	2.9	2.4	1.8	1.6	1.2	0.8	2.2
9	1	1.3	0.9	0.8	0.7	0.7	1.9	1.8	2.2	2.5	2.8	3.2	2.8	3.1	3.3	4.7	3.2	2.7	2.7	1.8	1.5	2.1	1.4	1.3	2.1
10	0.4	0.3	0	0.7	0.3	0.3	1.1	2.7	2.9	2.4	2	2.4	2.6	2.1	3.9	5.8	5.7	4.3	2.7	2.3	1.4	0.9	0.7	2	2.1
11	2.2	1.9	1.4	1.3	0.7	0.5	1.6	3.1	4.1	4.8	5	4.5	4.7	4.9	4.1	3.9	3.7	3.7	3.1	3.2	3.2	2.7	3.1	3.1	3.1
12	2.3	2.4	2.5	1.8	2.3	2	3.6	3.3	3.1	3.4	4.6	5.3	5	5.4	5.1	4	4.1	3.3	2.5	2.3	2.5	0.7	1.9	1.5	3.1
13	2.1	2.7	2.4	1.4	0.9	2.6	2.5	1.6	1.9	2.2	3.6	4.1	5.1	7.3	7.4	5.5	5.6	5	3.7	2.9	2.5	2.8	3.2	3.9	3.4
14	4.4	4.4	4.2	3.3	4.5	5	6.9	5.5	5.2	5.2	7.2	7.8	7.4	7.8	8	7.7	6.7	6.6	6.2	6.2	6.6	6	6.6	5.8	6
15	5	5.5	4.8	5	4.5	5.5	5	5.9	6.3	6.4	7.5	8.2	7.9	6.5	6.3	5	6.1	6	6.4	5	5.2	7.4	7.6	7.9	6.1
16	8.3	8	7.2	6.5	6.6	6.8	7.3	7.6	5.6	5.9	6	6.5	6.4	5.2	4.7	3.7	3	2.2	2.2	3.7	5.6	4.5	5.1	4.8	5.6
17	4.3	4.4	3.6	3.9	3.3	2.8	2.7	3.7	3.1	3.5	3.2	4	4	3.6	3.6	3.5	2.3	1.7	0.7	0.2	0.5	0.3	0.3	0.2	2.6
18	0.7	1	0.8	1.7	2.2	2.4	3.9	5.2	6.7	7.3	7.1	6.1	6	5.2	4.6	5.1	4.2	3.9	3.2	2.7	2.4	1.7	2.4	2	3.7
19	1.1	0.1	0.1	0.1	0.3	0.2	0.9	2	2.1	2	2.6	2.8	3.2	3.9	4.4	3.7	3.6	3.9	3.9	3.1	3.4	2.1	0.8	0.4	2.1
20	0.4	1.2	0.7	0.1	0.1	0.2	0.3	0.6	1.1	2.6	3.1	3	3.2	3.7	3.7	5.5	5.5	5.2	3.4	1.7	2.2	2.2	2.2	1.2	2.2
21	0.4	0.7	1.4	1.5	0.8	0.7	1.1	1.8	1.7	1.8	2.6	4.2	4.6	4.2	5.1	6.3	4.7	4.7	4.3	3.2	3	2.7	1.4	2.1	2.7
22	1.2	0.9	0.3	0.2	0.4	1	1.8	3.1	3.4	4.2	4.8	4.8	6.1	6.5	6.3	6.5	7	6.7	5.5	4.9	3.7	4.3	4.5	4.3	3.9
23	3.8	3.8	3.2	3.3	2.3	1.8	1.8	5.1	5.7	4.6	3.2	3.5	5.8	6.7	5.9	2	1.2	1	1.7	2.5	3.6	0.2	0.8	0.5	3.1
24	0.1	0.8	1	0.1	1.1	2.7	3.1	3.3	2.7	3.4	3.2	4.8	4.7	5	4.8	4.9	5.1	5.3	4.2	3.8	3.7	1.9	2	1.6	3.1
25	1.8	1.7	1.6	2.2	1.6	2	3	4.2	4.1	4.5	5.3	4.6	4.9	4.9	5.4	5.1	5.2	4.9	4.1	3.1	2.7	3	2	1.6	3.5
26	0.3	0.5	0.7	0.6	1.1	1.2	1.7	2.9	3.5	3.4	3.6	3.8	5.3	5	5.1	5.4	4.7	5	4.3	3.4	2.8	2.1	1.6	1.2	2.9
27	0.9	0	0.1	0.2	0.4	0.8	0.7	1.8	2	1.3	1.6	1.7	5	4.2	3.9	4.5	5.3	4.5	3.7	2.8	2.1	2.3	2	2.4	2.3
28	2.1	1.9	1.9	2.3	1.9	1.9	2.5	3	3.6	3.4	3.7	3.8	3.3	2.5	2.1	3.7	2.8	3	2.6	0.5	0.8	0.6	0.5	1.5	2.3
29	1.8	1.9	1.9	1.7	2.1	2.5	2.2	2.1	1.6	2.1	1.2	2	3.5	3.8	3.2	4.4	2.9	2.9	1.7	1	0.6	0.5	1.6	2.5	2.2
30	2.6	1.7	1.8	2.1	2	2.5	3.4	4.2	4.7	4.6	5.6	6.5	6.3	6.4	5.9	6.4	5.7	4.7	2.9	2.9	2.6	4	4.8	4.5	4.1
Avg	2.1	2.2	2.1	2	1.9	2.2	2.7	3.5	3.7	4	4.2	4.6	5	5.1	4.9	5	4.6	4.3	3.6	3	2.8	2.4	2.6	2.6	3.4
SD	1.8	1.8	1.7	1.6	1.6	1.8	1.8	1.7	1.6	1.6	1.8	1.8	1.5	1.6	1.4	1.4	1.6	1.4	1.4	1.4	1.4	1.6	1.8	1.9	1.2
S/A	0.86	0.81	0.8	0.81	0.82	0.8	0.66	0.49	0.42	0.41	0.42	0.39	0.29	0.31	0.29	0.27	0.35	0.34	0.38	0.49	0.51	0.67	0.7	0.72	0.35
Min	0.1	0	0	0	0.1	0.2	0.3	0.6	1.1	1.3	1.2	1.7	2.6	2.1	2.1	2	1.2	1	0.7	0.2	0.5	0.2	0.3	0.2	2.1
Max	8.3	8	7.2	6.5	6.6	6.8	7.3	7.6	6.7	7.3	7.5	8.2	7.9	7.9	8	7.7	8.5	7.3	6.4	6.3	6.6	7.4	7.6	7.9	6.1
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.

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 2001

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