

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

June 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	7	42	172	283	514	623	845	723	945	783	731	559	238	96	22	0	0	0	0	0	6583
2	0	0	0	0	9	67	183	349	574	563	617	553	925	873	595	452	378	230	54	0	0	0	0	0	6422
3	0	0	0	0	2	57	235	407	586	783	886	955	960	901	789	626	427	231	65	5	0	0	0	0	7916
4	0	0	0	0	2	37	190	252	375	672	760	777	571	533	469	280	354	222	61	2	0	0	0	0	5557
5	0	0	0	0	3	47	148	221	377	705	831	870	898	846	747	587	404	221	65	7	0	0	0	0	6977
6	0	0	0	0	4	55	191	405	570	738	858	920	915	861	750	595	414	222	39	2	0	0	0	0	7541
7	0	0	0	0	2	15	107	213	414	483	510	191	435	440	283	247	321	275	60	3	0	0	0	0	3998
8	0	0	0	0	5	52	191	435	497	756	900	909	1000	947	842	661	441	278	86	6	0	0	0	0	8005
9	0	0	0	0	6	51 ?	335 ?	476	667	817	948	1012	1027	957	851	685	484	276	78	3	0	0	0	0	8674
10	0	0	0	0	7	54 ?	253	437	631	791	902	970	941	873	752	628	435	231	72	7	0	0	0	0	7982
11	0	0	0	0	4	63	224	420	611	785	903	959	959	908	785	624	444	250	76	6	0	0	0	0	8022
12	0	0	0	0	5	59	232	426	616	784	895	954	959	908	791	538	395	161	37	9	0	0	0	0	7769
13	0	0	0	0	3	42	209	369	549	735	802	856	881	852	655	474	98	102	18	2	0	0	0	0	6647
14	0	0	0	0	4	55	209	403	598	751	862	908	902	804	247	110 ?	?	?	26	13	0	0	0	0	5891 ?
15	0	0	0	0	2	20	112	293	451	775	857	876	871	876	830	619	412	254	81	5	0	0	0	0	7335
16	0	0	0	0	5	47 ?	321 ?	436	636	801	925	990	977	930	817	644	419	221	69	1	0	0	0	0	8240
17	0	0	0	0	2	49	164	246	298	498	564	618	695	758	745	616	374	214	66	14	0	0	0	0	5922
18	0	0	0	0	4	55	168	246	291	314	407	569	572	556	459	321	195	91	28	4	0	0	0	0	4280
19	0	0	0	0	2	37	129	217	298	363	372	409	531	855	713	495	412	240	77	15	0	0	0	0	5164
20	0	0	0	0	5	35 ?	220 ?	357	445	446	491	626	717	795	648	639	464	290	95	15	0	0	0	0	6289
21	0	0	0	0	5	50 ?	?	441	594	682	758	779	770	677	684	447	328	206	101	17	0	0	0	0	6538
22	0	0	0	0	4	64	226	401	624	822	955	1029	1044	667	220	378	223	266	72	11	0	0	0	0	7006
23	0	0	0	0	6	47	225	398	479	439	754	788	315	622	463	407	385	259	83	6	0	0	0	0	5677
24	0	0	0	0	4	57	216	408	597	746	840	922	891	716	677	617	440	243	74	8	0	0	0	0	7456
25	0	0	0	0	5	48	180	365	545	670	833	905	906	857	754	614	434	256	80	7	0	0	0	0	7456
26	0	0	0	0	6	57	211	388	590	746	836	907	937	676	728	626	407	148	42	6	0	0	0	0	7312
27	0	0	0	0	3	34	101	226	595	590	556	631	332	224	319	221	85	149	72	7	0	0	0	0	4144
28	0	0	0	0	2	30	148	397	580	754	832	834	257 ?	136	109	370	90	139	75	14	0	0	0	0	4768
29	0	0	0	0	4	58	184	359	569	735	832	861	387	253	723	572	431	236	76	4	0	0	0	0	6282
30	0	0	0	0	3	41	164	335	537	694	806	908	916	856	749	603	414	230	73	5	0	0	0	0	7334

Avg	0	0	0	0	4	48	195	354	524	669	771	807	781	731	631	508	357	215	64	7	0	0	0	0	6640
S D	0	0	0	0	2	12	54	80	108	142	164	193	239	221	208	152	115	56	22	5	0	0	0	0	1272
S/A	0	0	0	0	0.41	0.26	0.28	0.23	0.21	0.21	0.21	0.24	0.31	0.3	0.33	0.3	0.32	0.26	0.34	0.7	0	0	0	0	0.19
Min	0	0	0	0	2	15	101	213	291	314	372	191	257	136	109	110	85	91	18	0	0	0	0	0	3998
Max	0	0	0	0	9	67	335	476	667	822	955	1029	1044	957	851	685	484	290	101	17	0	0	0	0	8674
n	0	0	0	0	82	344	325	359	359	359	360	360	356	359	360	351	348	346	360	117	0	0	0	0	5145

Daylight Data Recovery: 0.0% missing; 1.8% 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.

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

June 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	2	15	158	70	331	238	635	346	743	602	626	516	178	2	0	0	0	0	0	0	4462
2	0	0	0	0	6	121	195	265	372	149	194	97	642	668	409	308	296	308	98	0	0	0	0	0	4128
3	0	0	0	0	0	134	425	552	653	765	781	796	810	802	779	731	623	466	209	0	0	0	0	0	8528
4	0	0	0	0	0	12	159	61	81	356	374	337	117	101	114	6	255	351	131	0	0	0	0	0	2457
5	0	0	0	0	0	3	54	44	100	443	520	546	581	599	608	552	490	361	142	0	0	0	0	0	5044
6	0	0	0	0	0	86	247	383	461	537	633	652	649	641	618	577	513	353	61	0	0	0	0	0	6409
7	0	0	0	0	0	0	1	82	138	184	101	2	6	15	3	36	261	471	91	0	0	0	0	0	1390
8	0	0	0	0	0	71	209	466	367	638	684	576	786	838	850	779	654	662	404	1	0	0	0	0	7987
9	0	0	0	0	8	179 ?	690 ?	786	840	814	866	871	905	870	888	862	806	687	387	1	0	0	0	0	10459
10	0	0	0	0	13	214 ?	541	645	713	717	709	755	695	659	635	664	577	403	213	1	0	0	0	0	8154
11	0	0	0	0	6	186	430	571	666	734	761	750	747	745	710	670	631	517	275	1	0	0	0	0	8400
12	0	0	0	0	6	173	480	600	677	740	762	769	775	740	710	494	454	192	21	0	0	0	0	0	7593
13	0	0	0	0	0	28	318	396	483	627	552	566	589	468	349	11	2	1	0	0	0	0	0	0	4955
14	0	0	0	0	1	113	356	521	628	624	648	630	561	423	43	0	0	0	0	0	0	0	0	0	4550
15	0	0	0	0	0	7	2	76	208	651	605	564	592	604	751	632	465	460	311	3	0	0	0	0	5930
16	0	0	0	0	16	196 ?	?	713	805	843	871	878	834	806	808	730	515	266	169	0	0	0	0	0	8448
17	0	0	0	0	0	22	88	45	11	99	102	130	157	438	590	575	396	298	50	2	0	0	0	0	3001
18	0	0	0	0	1	25	46	20	7	4	11	75	72	74	53	18	4	0	0	0	0	0	0	0	410
19	0	0	0	0	0	0	8	11	12	9	5	14	98	483	436	239	278	197	55	5	0	0	0	0	1850
20	0	0	0	0	10	72 ?	321 ?	251	144	59	70	133	256	462	335	548	586	508	263	5	0	0	0	0	4022
21	0	0	0	0	5	188 ?	?	656	621	515	469	432	397	338	426	162	132	177	293	9	0	0	0	0	4821
22	0	0	0	0	8	275	556	552	735	783	830	849	850	432	39	176	104	561	237	13	0	0	0	0	7001
23	0	0	0	0	9	133	564	626	438	216	478	513	102	296	164	273	516	551	314	10	0	0	0	0	5203
24	0	0	0	0	1	149	429	589	661	669	671	730	650	474	539	663	612	460	199	4	0	0	0	0	7502
25	0	0	0	0	0	52	226	334	397	431	595	639	632	621	619	610	521	363	139	0	0	0	0	0	6180
26	0	0	0	0	4	155	411	460	624	656	677	685	698	418	655	716	549	95	0	0	0	0	0	0	6802
27	0	0	0	0	0	0	0	21	501	312	179	245	24	1	10	5	1	48	43	0	0	0	0	0	1391
28	0	0	0	0	0	7	53	465	541	590	457	448	31	1	2	89	0	41	61	5	0	0	0	0	2791
29	0	0	0	0	1	128	323	430	572	596	548	494	139	35	447	491	494	403	196	3	0	0	0	0	5301
30	0	0	0	0	0	19	188	389	491	525	554	632	646	625	597	564	485	365	165	8	0	0	0	0	6252
Avg	0	0	0	0	3	92	267	369	443	484	511	505	492	480	464	434	380	319	151	2	0	0	0	0	5381
S D	0	0	0	0	4	80	200	245	253	259	264	269	301	267	284	270	235	204	121	4	0	0	0	0	2498
S/A	0	0	0	0	1.34	0.87	0.75	0.66	0.57	0.53	0.52	0.53	0.61	0.56	0.61	0.62	0.62	0.64	0.8	1.48	0	0	0	0	0.46
Min	0	0	0	0	0	0	0	11	7	4	5	2	6	1	2	0	0	0	0	0	0	0	0	0	410
Max	0	0	0	0	16	275	690	786	840	843	871	878	905	870	888	862	806	687	404	13	0	0	0	0	10459
n	0	0	0	0	82	344	321	359	359	359	360	360	356	360	360	360	359	360	360	117	0	0	0	0	5177

Daylight Data Recovery: 0.0% missing; 1.2% exceed the 15% QC threshold -- 5239 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	9 ?	42	125	248	259	418	221	353	186	194	184	195	139	96	22	0	0	0	0	0	2692
2	0	0	0	0	10 ?	55	121	215	313	427	424	445	268	223	241	232	225	132	41	0	0	0	0	0	3371
3	0	0	0	0	3	41	114	123	131	130	130	135	129	122	114	109	103	79	37	6	0	0	0	0	1504
4	0	0	0	0	3 ?	37	150	221	314	358	391	422	450	421	359	279	226	107	42	2	0	0	0	0	3783
5	0	0	0	0	4 ?	47	135	201	312	322	326	310	302	265	221	194	149	102	46	8	0	0	0	0	2942
6	0	0	0	0	6 ?	46	119	213	249	276	246	251	238	214	185	144	106	29	2	0	0	0	0	0	2575
7	0	0	0	0	3 ?	16	110	166	321	330	408	195	437	430	284	222	193	110	42	3	0	0	0	0	3269
8	0	0	0	0	7 ?	46	134	188	234	194	220	289	178	117	96	100	93	55	30	7	0	0	0	0	1987
9	0	0	0	0	9 ?	56 ?	114 ?	86	80	115	105	110	93	105	78	70	59	47	28	5	0	0	0	0	1158
10	0	0	0	0	10 ?	53 ?	116	113	137	182	212	196	226	226	197	155	129	94	43	8	0	0	0	0	2097
11	0	0	0	0	6 ?	51	106	132	152	161	169	189	193	181	166	143	107	75	38	7	0	0	0	0	1877
12	0	0	0	0	6 ?	51	108	122	144	152	159	165	164	186	171	177	149	93	35	10	0	0	0	0	1892
13	0	0	0	0	4 ?	41	133	176	213	200	262	273	293	269	241	214	95	103	20	2	0	0	0	0	2538
14	0	0	0	0	7 ?	53	134	152	170	228	246	268	318	385	213	111 ?	27 ?	16 ?	27	13	0	0	0	0	2368 ?
15	0	0	0	0	3 ?	20	113	247	285	213	271	298	266	293	184	156	167	98	37	7	0	0	0	0	2659
16	0	0	0	0	6 ?	48 ?	?	106	87	95	96	100	124	146	117	120	136	132	49	2	0	0	0	0	1363
17	0	0	0	0	2	50	158	230	292	405	461	469	521	319	232	202	158	110	58	15	0	0	0	0	3682
18	0	0	0	0	6 ?	56	162	241	291	316	404	489	492	478	410	310	196	93	29	4	0	0	0	0	3978
19	0	0	0	0	2	38	131	217	295	362	375	400	426	368	315	315	255	167	68	16	0	0	0	0	3751
20	0	0	0	0	8 ?	36 ?	163 ?	252	346	396	419	479	438	324	340	244	145	113	55	16	0	0	0	0	3775
21	0	0	0	0	7 ?	54 ?	?	143	166	244	300	322	348	334	294	313	246	143	55	17	0	0	0	0	2987
22	0	0	0	0	6 ?	33	63	113	109	156	162	166	178	234	188	237	159	69	39	12	0	0	0	0	1923
23	0	0	0	0	9 ?	38	58	74	187	254	253	223	325	310	210	112	67	37	7	0	0	0	0	0	2418
24	0	0	0	0	5 ?	39	84	110	139	176	192	178	220	241	202	135	108	82	43	9	0	0	0	0	1965
25	0	0	0	0	5	42	114	195	268	296	263	253	259	250	215	176	153	129	60	8	0	0	0	0	2686
26	0	0	0	0	5	37	88	156	159	190	181	200	215	256	153	106	94	107	43	6	0	0	0	0	1999
27	0	0	0	0	4	35	103	213	238	320	366	364	288	230	317	221	87	138	64	7	0	0	0	0	2996
28	0	0	0	0	3	32	133	164	211	256	381	362	206	143	109	300	96	108	71	19	0	0	0	0	2593
29	0	0	0	0	5 ?	39	101	151	180	237	303	355	244	217	341	224	164	97	43	4	0	0	0	0	2706
30	0	0	0	0	3	40	107	165	206	255	275	267	258	248	228	199	155	105	47	6	0	0	0	0	2564

Avg	0	0	0	0	6	42	118	171	216	255	274	285	273	259	225	195	142	99	43	8	0	0	0	0	2603
S D	0	0	0	0	2	10	26	52	77	94	103	111	112	95	84	67	53	30	13	5	0	0	0	0	753
S/A	0	0	0	0	0.43	0.23	0.22	0.3	0.36	0.37	0.37	0.39	0.41	0.37	0.37	0.34	0.37	0.31	0.31	0.67	0	0	0	0	0.29
Min	0	0	0	0	2	16	58	74	80	95	96	100	93	105	78	70	27	16	20	0	0	0	0	0	1158
Max	0	0	0	0	10	56	163	252	346	427	461	489	521	478	410	315	255	167	71	19	0	0	0	0	3978
n	0	0	0	0	60	344	321	359	359	359	360	360	358	359	360	351	350	353	360	116	0	0	0	0	5130

Daylight Data Recovery: 0.0% missing; 2.1% 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	23.5	23.4	23.3	23	22.8	22.8	23.5	24.6	26.7	28.6	29.9	31	31.8	33.2	33.5	33.9	33.6	32.2	30	28.3	26.5	25.1	23.8	22.9	27.4
2	23	22.5	21.8	21.3	20.9	21	22.5	25	27.3	28.8	29.7	30.7	32.1	33.4	33.9	33.9	34	33.8	32.7	28.3	26.6	25.6	25.1	24.6	27.4
3	24.2	24.1	23.6	23.2	22.3	21.6	22.3	23.2	24.4	25.7	26.1	25.4	25.3	25.3	25.1	25	23.8	22.5	21.6	20.5	20.2	20.1	20.3	19.8	23.1
4	19.6	20.2	20.4	20.7	21.1	21.4	22.3	23	24.2	25.6	26.6	27.8	27.7	27.4	27.4	27.6	26.9	26.4	25.4	24.5	24.1	23.8	23.5	23.2	24.2
5	22.8	22.5	22.4	22.3	22.7	22.7	23.4	24.1	25.2	26.9	27.8	28.9	30.1	31.2	31.7	30.8	29.7	28	26.4	25	24.3	24.1	23.9	23.5	25.9
6	23.3	22.9	22.6	22.2	21.8	21.9	22.8	24.4	26.2	27.9	29.3	30.3	31.7	32.3	32.3	31.6	30.2	29.1	27.7	26.4	25.5	23.4	20.9	20.8	26.1
7	20.8	20.7	20.7	20.9	20.7	20.4	20.1	20.1	21	21.7	21.9	21.2	21.2	21.4	20.7	19.6	19	18.7	17.8	17	16.4	16.1	16.2	16.4	19.6
8	16.7	16.6	16.4	15.8	15.5	15	15.6	17.4	17.7	18.2	18.9	18.9	19.6	19.6	20	19.7	19.1	18.3	17.2	15.9	15.1	14.6	14.2	14.2	17.1
9	14.2	13	12.4	11.7	11	11.7	14.1	16.1	18.4	20.7	22.7	24	24.8	24.8	25.1	25.4	25.1	24.5	23.2	21.1	19.5	18.8	18.1	17.5	19.1
10	16.6	16	15.6	16.2	16.1	16.5	18	20.4	22.8	25.3	27.2	28.6	29.7	29.7	29.8	29.1	29	28.4	26.7	24.9	23.9	22.9	22	21.5	23.2
11	20.9	20.3	19.7	19.2	18.5	19	20.2	22.5	24.5	26.2	27.7	28.1	28.8	29.3	29.6	29.5	28.9	28.5	26.8	25.1	24.1	23.7	23.2	23	24.5
12	22.8	22.3	21.8	21.4	21	20.9	22.3	24.2	25.7	27.5	29.3	30.8	31.8	32.4	32.8	32.6	32.5	31.9	29.9	28.1	27	26.1	25.4	24.8	26.9
13	24.5	24.1	23.7	23.2	23	23	23.8	25.1	26.5	28.8	30.6	31.6	32.5	33	33.2	33.3	31.5	25.5	25.6	21.8	22.5	23.1	23.6	24.1	26.6
14	24.2	24	23.4	23.2	23	22.9	23.8	24.9	26.1	27.3	28.7	29.9	31.4	32.8	32	26.3	22.4	21.8	22.1	22.7	22.3	22.2	22.3	21.8	25.1
15	21.8	21.9	21.7	21.4	21.3	21	21.2	22	23.2	24.8	25.5	26.2	26.9	27.6	28.4	28.6	28.4	28.5	27.9	25.8	24.3	23.2	22.1	21.2	24.4
16	20.5	19.9	19.2	18	17.3	17.6	20.1	22.3	23.6	25.5	26.1	26.9	27.7	28.3	28.8	29.1	29.3	29.1	28.1	26.2	25	24.8	24.5	23.9	24.2
17	23.1	22.7	22.2	21.8	21	20.5	22.1	23.2	23.6	24.6	25.4	26.2	26.3	26.1	27	26.7	26.4	25.5	24.2	22.9	22.3	21.9	21.6	21.3	23.7
18	20.6	20.1	20	20.1	20.2	20.7	22.2	23.5	24.2	24.8	25.4	25.9	26.3	26.1	25.9	25.3	24.4	23.7	23.5	23.2	22.9	22.6	22.3	22	23.1
19	21.6	21.3	21	21	21.2	20.8	21.7	22.8	23.8	24.5	24.8	24.6	24.9	25.4	25.4	25.2	24.7	24.3	23.5	22.7	22.1	21.6	21.1	21.2	23
20	21.1	21	20.8	20.9	20.9	21.1	22.1	23.3	23.8	24.2	24.3	24.7	25.2	26	25.7	25.9	25.5	24.7	23.5	22.2	21.5	21.1	20.8	20.3	22.9
21	20	20	20	20	19.2	19.5	21.2	23.8	24.7	25.5	25.7	26	26.1	26	26.1	25.5	25.1	24.5	23.9	22.8	21.9	21.5	21.1	20.8	23
22	20.7	20.6	20.6	20.2	20.5	20.9	22.5	23.6	24.9	26.3	26.9	27.3	27.5	27.2	24.9	25.6	25.3	25.5	24.9	23.9	23.1	22.7	22.1	21.5	23.7
23	21.3	21	20.7	20.7	21	21.4	23	24.5	25.9	26.7	27.1	28.9	25.4	26.9	27.4	27.7	28.3	28	27.3	26.3	25.5	25.1	24.6	24.2	25
24	23.7	23.3	22.8	22.7	22.6	22.7	23.7	25.1	26.4	27.6	28.4	29.7	30.9	31.1	31.5	31.7	31.6	31.2	30.4	28.8	27.6	26.8	26	25.4	27.2
25	24.8	24.3	24	23.8	23.7	23.6	24.2	25.5	27	28.1	29.4	30.9	31.8	32.3	32.3	31.9	31.7	31.4	30.5	28.9	27.7	27	26.2	25.4	27.8
26	24.9	24.4	23.8	23.3	23	23.1	24.1	25.4	26.7	27.9	28.8	30	30.7	31	31.6	31.3	30.7	29.8	28.8	27.3	26.6	26.2	26	25.7	27.1
27	25.4	25	24.9	24.8	24.6	24.4	24.7	25.3	26.5	27.6	28.4	29.2	28.3	24.6	24.5	24.9	25.1	25.8	26.3	25.9	25.7	23.5	21	20.7	25.3
28	21	22.6	23.4	23	22.8	22.8	22.9	24.2	25.9	27.2	28.3	29.2	26.3	22.7	22.5	24.8	25.2	24.8	23.3	23	22.8	22.9	22.9	22.8	24.1
29	22.8	23.1	22.7	22.3	22	22	23.1	24.7	26.7	28.4	29	29.3	28.7	27.4	29.1	29.2	28.9	28.1	26.8	25	23.8	23.2	22.6	21.6	25.4
30	21.4	21.3	20.6	20.6	20.2	20.2	21.3	23.3	25.1	26.5	27.4	27.9	28.3	28.8	28.8	28.5	27.8	26.9	25.5	23.9	23	21.9	20.7	20	24.2
Avg	21.7	21.5	21.2	21	20.7	20.8	21.8	23.2	24.6	26	26.9	27.7	28	28.1	28.2	28	27.5	26.7	25.7	24.3	23.5	22.9	22.3	21.9	24.3
S D	2.6	2.7	2.7	2.7	2.8	2.7	2.4	2.2	2.3	2.4	2.6	3	3.2	3.7	3.8	3.7	3.8	3.7	3.5	3.2	3	2.8	2.7	2.6	2.5
S/A	0.12	0.12	0.13	0.13	0.13	0.13	0.11	0.1	0.09	0.09	0.1	0.11	0.12	0.13	0.14	0.13	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.1
Min	14.2	13	12.4	11.7	11	11.7	14.1	16.1	17.7	18.2	18.9	18.9	19.6	19.6	20	19.6	19	18.3	17.2	15.9	15.1	14.6	14.2	14.2	17.1
Max	25.4	25	24.9	24.8	24.6	24.4	24.7	25.5	27.3	28.8	30.6	31.6	32.5	33.4	33.9	33.9	34	33.8	32.7	28.9	27.7	27	26.2	25.7	27.8
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 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	94.1	95	95.2	96.3	96.7	96.5	93.9	88.5	78.7	67.7	60.3	54.3	51.7	45.5	40.6	40.6	42.8	48.3	56.8	64.8	71.6	75.5	83.3	88.1	71.9
2	85.2	87.1	90.4	92.6	94.9	94.9	89.5	80.5	73.2	68.8	66.1	61.4	56.6	49.5	45.4	46.4	44	43.9	46.3	67.3	61.5	62.5	56	52.8	67.4
3	52.8	45.5	46.4	51.1	56.9	61.7	62.3	61.2	54.3	46.2	47.8	59.5	56.7	56.1	58.4	56	63	69.3	73.5	80.4	85.6	88.4	88.1	91.5	63
4	93.2	90.6	93.5	92.6	92.4	91.8	88.9	88.6	86.2	80	73.3	69.5	70.5	72.8	74.9	70.8	71.7	71.8	75.6	78.2	79.1	79.2	79.7	82.5	81.1
5	85.9	89.3	91.5	93.1	90.9	92	90.8	87.8	83.1	74.2	70.5	64.2	57.3	52.1	54	62.1	67.7	73.8	79.8	85.6	88.7	89.9	90.3	91.5	79.4
6	92.2	94.2	95.6	96.9	98.4	98.9	96.9	87.3	74.3	66.8	62.1	59.6	56	54.5	57.1	63.3	71.7	76.6	81.3	86.2	88.1	90.7	103.6	104.6	81.5
7	104.9	105 ?	?	?	?	104.7 ?	102.3	99.3	89.6	82.4	81.4	83.5	79.4	76	81.2	85.3	80.1	78.4	82	85.1	89.9	92.4	90.3	89.4	88.7 ?
8	86.7	84.8	85.3	87.1	92.1	95.2	93.4	80.8	75.7	72.1	69.9	68.7	66.1	66.3	66.7	68.2	70	72.4	77.7	86.4	91.9	94.2	96.6	98.2	81.1
9	98.3	101.5	102.8	103.7	104.3	104	99.2	92.8	76.5	64.7	49	41.5	36.7	33.8	35.9	35.1	37.6	39.8	48.9	61.5	72.4	82.4	90.1	94.9	71.1
10	97.8	100.3	102.1	103.4	103.7	101	95.5	84.8	68.5	57.1	46.9	43.1	42.2	44.8	44.6	43.5	42.3	44.6	56.2	66.3	66.5	72.2	78.1	82.2	70.3
11	86.8	87.4	88.2	90.8	94.8	93	89	78	67.3	57.3	52.3	60.9	56.1	50.9	52.7	55.7	62.2	60.7	68	72.1	77.5	84	88.2	92.2	73.6
12	94.9	97	99.5	101	102	102.6	97.4	84.8	81.4	73.9	64.2	58.2	47.8	45.4	44.4	45.3	45.6	47.3	58.7	69.2	74.9	80.8	86	88.1	74.6
13	89.5	91.4	94.5	96.7	98.3	99.3	97.1	91.5	85.2	75	64.9	61	58.1	54.1	57	56	64.8	94.6	95	98.3	101.6	101.4	100.9	100.3	84.4
14	99.9	97.6	97.1	93.6	90.9	92.1	90.9	87.3	82.7	79	76.9	72.6	67	58.7	58.4	80.3	101.1	102.9	102.9	101.4	103.8	104.6	104.7	104	89.6
15	104.1	103.9	104.2	104.6	104.6	104.7	104.5	101.4	93.2	78.6	77	75	70.8	64.2	52.1	46.6	45	45	47.7	55.3	61.2	65	68.8	72.3	77.1
16	75.8	76.9	80.4	86.9	89.7	86.9	78.1	69.9	61.3	51.8	48.1	47.7	44.8	44.8	43.4	42.3	42.8	44.2	49.6	58.5	71.8	81.4	84.7	87.8	64.6
17	89.5	85.1	76.3	74	79.6	84.3	79.6	70.5	69.4	68.3	66.2	68.8	71.1	69.9	66.3	69.1	71.6	70.1	72	77.3	82.4	87.9	91.5	95.4	76.5
18	97	98.6	99.5	101	100	99.5	94.2	83	73.6	68.2	62.3	60.9	56.5	58	59.4	68.1	75.9	83.9	87.6	90.1	92	92.7	93.1	94	82.9
19	97.3	100.9	102	102.1	100.6	101.6	100.3	97.1	92.1	84.8	79.4	81.8	82.9	80.7	77.9	76.8	78.4	80.3	86.5	92.7	96.5	98.7	100	100.5	91.3
20	100.7	101.2	101.5	99.9	98.8	95.9	94.1	87.3	83.6	81.8	80.5	75.8	69.5	65.5	67.3	65.4	72.9	73.8	82	92.6	97.3	99.6	101.1	102.3	87.1
21	103	102.1	100.8	100.9	102.4	102.2	97.7	83.2	77.7	73.7	70.9	69.6	68.9	71.4	70	74.1	77.2	80.9	83.9	92.6	96.5	98.8	100.7	101.4	87.5
22	100.4	101.1	100.8	100.8	99.9	98.8	94.2	89.4	80.7	75.7	73.8	69.1	70.1	74.4	86.3	82.6	83.1	80.6	83.1	89.5	96.3	97.9	100	102.3	88.8
23	103.3	103.7	104.2	104.5	104.7	104.7	101	91.8	84.5	79.6	84.3	73.5	91.4	86.6	80.5	80.2	76.1	76.4	81.2	87.9	92.5	95.9	98.8	98.7	91.1
24	97.9	100	102.3	103.6	104	103.5	100.6	94.6	88	82.5	77.9	71.1	64.1	66.8	63.7	63.5	63.8	65.5	67.6	77.2	83.3	86.8	88.6	90.3	83.6
25	93.6	96	97.8	98.8	97.9	97.7	96.5	92.9	86.7	80.2	73.4	67	64.6	64.4	61	64	61.1	57.5	62.2	74.8	85.9	87.8	87.1	91.9	80.9
26	94.4	95.5	97.2	99.7	101.2	101.7	99.3	94.1	83.7	77.1	72.2	69.5	67.4	66	63	66.1	69.2	70.8	74.2	79.1	86.5	90.6	91.7	93.3	83.5
27	93.1	94	94	93.8	95.6	96.9	96.4	93.4	87.2	82.1	78.5	72.9	77.8	100.3	98	96.3	96.6	95.3	93.9	96	95.9	94.7	103.1	104.7	92.9
28	104.9	105 ?	104.3	102.1	101.9	102.5	102.4	98.7	92	85.6	81	76.4	91	100.7	101.1	96.1	95.7	96	93.3	93.5	98.8	101.9	103.1	103.5	97.1
29	103.6	102.5	102.8	103.8	104.1	104.3	99.9	94.3	87.6	79.4	73.6	70	72.2	77	68.8	66.6	65.2	67.5	70.4	84	95.6	96.6	98.4	101.2	87.1
30	102.5	104.1	104.4	104.7	104.6	104.2	102.1	97.5	83.3	74	67.5	62	57.8	54.5	46.6	49	51.5	58.2	67.9	78.6	85.8	92.7	98.2	101.7	81.4
Avg	94.1	94.6	95	95.9	96.8	97.2	94.3	87.7	80	73	68.4	65.6	64.1	63.5	62.6	63.8	66.4	69	73.5	80.7	85.7	88.9	91.5	93.4	81
S/D	10.5	11.6	11.8	11	9.6	8.6	8.6	9.2	9.3	9.8	10.9	10.1	13.1	15.9	16.2	16	16.9	17.2	15.1	12.2	11.7	10.5	10.9	10.9	8.6
S/A	0.11	0.12	0.12	0.11	0.1	0.09	0.09	0.1	0.12	0.13	0.16	0.15	0.2	0.25	0.26	0.25	0.25	0.25	0.21	0.15	0.14	0.12	0.12	0.12	0.11
Min	52.8	45.5	46.4	51.1	56.9	61.7	62.3	61.2	54.3	46.2	46.9	41.5	36.7	33.8	35.9	35.1	37.6	39.8	46.3	55.3	61.2	62.5	56	52.8	63
Max	104.9	105	104.4	104.7	104.7	104.7	104.5	101.4	93.2	85.6	84.3	83.5	91.4	100.7	101.1	96.3	101.1	102.9	102.9	101.4	103.8	104.6	104.7	104.7	97.1
n	360	345	348	348	348	357	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8586

Data Recovery: 0.0% missing; 0.6% 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	23.5	23.2	23.1	22.9	22.7	22.6	23	24.4	26.4	29.8	32.2	34.2	35.1	35.9	36.9	37.3	37.6	35.6	33.2	30.5	28.7	26.9	25.3	23.9	28.9
2	23	22.5	21.9	21.2	20.6	20.4	21.4	23.7	27	29.9	31.6	32.7	33.6	34.9	36.2	36.8	36.9	36.7	35.7	32.7	29.1	26.9	25.5	24.5	28.6
3	23.9	23.8	23.5	23.1	22.6	21.7	21.9	23.6	25.7	27.8	29.8	30.6	29.9	29.5	29.7	29.9	29.5	27.8	25.6	22.9	20.8	19.8	19.3	19	25.1
4	18.5	18.4	18.8	19.2	19.9	20.5	21.5	23	24.6	26.8	29.6	31.3	32.7	32	31	30.3	29.8	29.5	28.5	26.5	24.9	24	23.5	23.1	25.3
5	22.7	22.3	22	21.9	21.9	22.1	22.7	24.1	25.7	27.8	30.7	32.3	33.2	33.9	34.8	35.2	34.6	33.2	30.7	27.9	25.7	24.6	24	23.6	27.4
6	23.2	22.9	22.5	22.2	21.8	21.5	22.3	24.3	27	29.4	31.6	33.4	34.5	35.5	36.1	36.2	35.3	33.7	31.7	28.8	26.9	25.8	23.5	22	28
7	21.4	21.1	20.9	20.9	20.9	20.8	20.5	20.6	21.9	23.4	24.3	24.7	23.7	23.8	23.9	23	21.7	21.4	20.8	19.1	17.7	16.8	16.3	16.3	21.1
8	16.5	16.6	16.6	15.9	15.1	14.6	15	16.9	19.2	20.2	21.6	22.4	22.7	22.9	23.3	23.8	23.5	22.5	21	18.3	15.6	14	13	12.5	18.5
9	12.4	12.1	11.5	10.8	10.3	10.2	11.9	14.9	18.5	22.1	25.3	27.2	28.1	28.4	29.1	30	30.3	29.6	27.7	24.3	20.8	18.7	17.6	16.7	20.3
10	15.7	14.7	14.3	14.5	14.8	15.2	16.3	19.1	22.7	26.3	29.8	32.6	34	34.3	34.3	34.4	33.7	32.8	30.9	27.8	25.1	23.3	22	21	24.6
11	20.3	19.7	19.1	18.4	17.7	17.4	18.9	21.8	25.3	28.2	30.5	32.2	32.8	33	33.3	33.6	33.3	32.6	30.9	28	25.2	23.8	23.2	22.8	25.9
12	22.6	22.3	21.8	21.3	20.8	20.5	21.3	23.6	26.2	28.6	31	33.1	34.1	34.5	35.3	36	35.9	35.2	33.1	30.4	28.3	27	26	25.3	28.1
13	24.7	24.2	23.8	23.4	22.9	22.8	23.3	25.2	27.4	30.2	33.4	35.3	36.5	37.1	37.7	37.6	36.2	31.2	27	24.5	22.6	22.5	22.7	23.1	28.1
14	23.5	23.5	23.3	22.8	22.5	22.4	23.2	25.1	27.2	29.2	31.2	33.1	34.3	35.4	36.1	33.9	27.7	23.8	22.6	22.3	22.3	22.2	22.2	22.2	26.3
15	21.9	21.8	21.8	21.4	21.1	21	21	21.6	23.6	26.7	29.4	30.6	30.9	30.9	31.3	31.7	31.5	31.3	30.6	28.3	25.1	23.1	21.6	20.4	25.8
16	19.6	18.8	18.3	17.4	16.3	15.9	17.7	21.7	25.1	28	29.9	30.7	30.9	31.1	32	32.7	33	32.5	31.2	28.5	25.7	24.3	23.8	23.5	25.4
17	23.1	22.6	22.1	21.6	20.9	20.2	20.6	22.4	24.1	25.7	28.1	29.7	31.1	31.1	31.2	32.1	31.8	30.3	28.1	25.3	23.2	21.8	21	20.4	25.4
18	19.8	19.1	18.7	18.7	18.8	18.9	19.7	22	24.1	25.6	26.7	27.8	29	29.4	29.4	28.8	27.5	26	24.7	23.7	22.9	22.3	21.9	21.5	23.6
19	21.1	20.7	20.5	20.4	20.5	20.5	20.8	22	23.7	25.3	26.6	27	27.4	28.3	29.3	29.4	28.8	28	26.5	24.6	23.1	21.9	21.1	20.6	24.1
20	20.5	20.3	20.3	20.2	20.2	20.1	21.1	23.1	24.8	26	26.6	26.9	27.6	28.3	28.9	29.1	29.4	28.9	27.4	25	22.6	21.3	20.6	20.2	24.1
21	19.8	19.5	19.2	19.1	18.9	18.7	19.8	22.6	25.4	27.3	28.6	29.3	29.6	29.6	30	29.8	28.8	28	27	25.3	23.1	21.8	21	20.5	24.3
22	20.2	19.9	19.8	19.6	19.4	19.6	21.2	23.8	26.1	28.8	31.3	32.6	32.8	32.6	30.6	28.6	28.4	28.1	27.9	26.2	24.2	22.8	21.9	21.2	25.3
23	20.9	20.7	20.4	20.2	20	20.3	21.5	24.2	27.4	29.7	30.5	32.6	32.3	28.4	29.4	30	30.7	31.6	30.9	29	26.6	25.3	24.6	24.1	26.3
24	23.7	23.3	22.9	22.5	22.4	22.4	23.2	25.2	27.7	29.9	31.6	32.9	34.1	34.9	35.3	35.7	35.9	35.5	34.2	31.8	29.2	27.6	26.6	25.8	28.9
25	25.1	24.5	24.1	23.8	23.6	23.5	24	25.5	27.9	30.2	32.2	33.9	35.2	36.2	36.5	36.5	36.2	35.5	34.1	31.6	29.1	27.6	26.8	25.9	29.6
26	25.1	24.5	23.9	23.3	22.8	22.6	23.5	25.5	27.8	29.8	31.2	32.5	33.6	34.1	34.4	35	34.9	33.6	31.4	29.4	27.8	26.9	26.3	26	28.6
27	25.6	25.3	24.9	24.7	24.6	24.5	24.7	25.3	26.9	29.3	30.5	31.2	31.9	28.9	26.2	26.5	26.5	26.4	26.8	26.5	25.9	25.5	23.1	21.7	26.4
28	21.2	21.3	22.4	22.8	22.6	22.6	22.9	24.2	26.7	28.9	30.9	32.1	31.6	27	24	23.8	25.8	25.9	25.6	24.5	23.2	22.5	22.5	22.5	24.9
29	22.4	22.5	22.5	22.2	21.9	21.7	22.2	24.2	27.1	29.9	32.4	33.6	33.7	31.2	30.8	32.5	33	32.3	30.6	27.7	24.8	23.1	21.9	20.9	26.9
30	20.4	20.3	20.3	20	20	19.8	20.1	21.6	24.4	27.4	29.7	31.2	31.7	32	32.4	32.5	32	30.8	28.8	25.9	23.2	21.3	19.7	18.8	25.2
Avg	21.4	21.1	20.8	20.5	20.3	20.2	20.9	22.8	25.3	27.6	29.6	31	31.6	31.5	31.6	31.8	31.3	30.3	28.8	26.6	24.4	23.2	22.3	21.7	25.7
S D	2.9	2.9	3	3	3	3	2.7	2.5	2.4	2.5	2.6	3	3.2	3.6	4	4.1	4.1	4	3.8	3.4	3.2	3.1	3.1	3	2.6
S/A	0.14	0.14	0.14	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.09	0.1	0.1	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.1
Min	12.4	12.1	11.5	10.8	10.3	10.2	11.9	14.9	18.5	20.2	21.6	22.4	22.7	22.9	23.3	23	21.7	21.4	20.8	18.3	15.6	14	13	12.5	18.5
Max	25.6	25.3	24.9	24.7	24.6	24.5	24.7	25.5	27.9	30.2	33.4	35.3	36.5	37.1	37.7	37.6	37.6	36.7	35.7	32.7	29.2	27.6	26.8	26	29.6
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: 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	2.7	2.9	2.6	2.6	2.7	2.7	3.1	3.2	3	3.1	2.9	2.6	2.8	2.4	3.1	2.6	2.1	1.4	2.8	3.3	4.5	3.2	3.1	3.2	2.9
2	3.4	2.9	2.6	1.8	1.5	1.6	2.3	3	3.7	4.2	3.4	3.5	4.5	4.4	4	3.8	3.7	3.1	1.7	3.4	2.8	2.4	1.9	1.6	3
3	2.2	2.9	2.3	2.1	1.5	0.9	2.4	2.9	3.1	2.9	3	3.8	3.3	3.3	3.3	3.3	3.9	3.8	2.8	2.5	2.4	2.2	1.9	1.3	2.7
4	1.2	1.6	1.6	2.4	2.3	1.8	2	2.1	2.7	3	2.6	2.1	3.3	5.1	4.7	4.3	5.3	4.9	4.4	3.6	3.7	3.3	2.7	2.1	3
5	1.7	1.4	1.5	1.5	1.6	1.5	2.3	3	3.1	2.8	3.4	3.5	4	4	4	4.6	4.3	4.6	4.5	3.6	3.7	3.5	3.4	3.1	3.1
6	2.9	2.8	2.9	2.5	1.9	1.9	2.6	3.1	3.9	3.9	3.7	3.7	3.2	3.7	4.1	4.9	5.5	4.1	4.2	4.1	3.3	3	1.1	1.3	3.3
7	0.8	0.9	1.3	1.1	1.9	1.8	2.7	3.1	4	3.6	3.6	4	4.9	4.7	4.5	4.8	6	5.5	4.8	4.5	3.4	3.6	3.3	2.9	3.4
8	4	4.6	4	2.7	2.1	1.8	2.5	4.4	4.8	4.6	4.3	4.7	3.9	4	3.5	4.1	3.9	3.8	3.3	2.1	1.6	1.1	1	1	3.2
9	1	0.8	0.2	0.4	0.4	1	2	2.1	1.8	1.3	2.2	2.4	2.6	2.6	2	2	2.1	1.8	1.8	1.4	1.1	1.7	1.1	0.5	1.5
10	0	0.1	0.5	0.5	0.9	1.4	1.4	2.5	2.7	1.7	1.5	1.5	1.9	2.4	2.2	3.1	2.8	2.7	2.5	2.6	2	1.6	1.3	1.2	1.7
11	1.3	1.2	0.9	0.7	0.6	1	1.2	1.6	2	2.4	2.4	2.6	2.7	3.2	3.3	3.6	3.8	3.7	2.9	2.3	2.7	3.2	3.6	3.6	2.4
12	3.4	2.8	2.6	2.5	1.8	2.1	3.1	4.2	4.1	3.3	3.7	3.7	4.4	4.5	4.3	3.8	3.9	3.1	2.9	3.2	3.2	3.4	3.4	3.3	3.4
13	3.2	3.4	2.7	2.2	2.3	2.7	3.3	3.4	2.7	2.1	2.4	2.1	2	2.8	2.9	3	2.3	2.2	3.3	2.8	2.8	1.3	2	2.2	2.6
14	2	2.2	2.2	2.1	1.9	1.9	2.5	3.5	3.6	3.6	2.8	3	3.2	3	1.9	3.9	4	2.5	1.9	2.5	1.7	0.7	0.2	1	2.4
15	0.3	1.1	0.4	0	0.4	1.3	0.9	0.9	1.6	1.8	2.3	2.5	3	4.1	4.7	4.2	3.4	2.6	1.7	0.7	1.1	1	0.7	0.6	1.7
16	0.3	0.6	0.6	0.4	0.7	1.1	0.5	1.2	1.6	1.9	2.8	2.9	2.9	2.9	2.8	2.7	2.4	1.5	1.2	1.1	1.4	1.8	2.2	2.4	1.7
17	2.3	2.2	1.8	1.7	0.9	0.4	0.7	1.4	1.6	1.2	1.4	1.5	2.5	2.5	2.4	2.9	2.7	3.2	2.5	2.3	1.6	1.3	0.8	0.7	1.8
18	0.4	0.1	0.3	0.3	0.5	0.5	0.8	2	2.2	2.2	2.6	3	3.4	3.5	3.8	3.4	3.9	2.7	1.5	1.1	0.9	1.2	0.7	0.8	1.7
19	0.3	0.5	0.4	0.9	1	0.7	1.2	1.9	2.8	2.5	3.2	3.2	3.4	3.8	3.9	4.1	4.4	4	3.5	3	2.4	1.7	1.7	1.6	2.3
20	1.6	1.9	1.9	1.9	2	2.2	2.9	4.2	5.1	4.6	5.2	5	5.4	4.6	4.8	4.8	4.7	4.3	3.4	2.5	1.7	1.7	1.4	1.6	3.3
21	1.5	1.6	1.8	1.9	1.1	1.1	1.7	4.5	5	5.1	4.9	5.3	4.8	4.7	4.7	4.9	4.3	3.6	3.4	2.7	2	1.8	1.6	1.6	3.1
22	1.8	1.4	1.8	1.7	1.4	1.1	1.6	3.2	3.4	2.5	2.9	3.3	3.8	3.2	3.8	3.5	3.4	3.7	3.3	2.1	1.4	0.6	0.2	0.4	2.3
23	0.6	0.1	0.2	0	0.1	0.2	1.4	2	1.5	1.1	1.5	1.7	1.8	3	3.6	3.3	2.6	3.1	1.7	1	1.2	1.5	1.4	1.6	1.5
24	2.1	2.2	1.7	1.9	1.9	2	2.7	3	3.3	3	3.1	2.7	2.3	2.4	2.9	3.4	3.1	2.6	2	1.8	2.1	2.4	2.4	2.8	2.5
25	2.6	2.3	2.4	2.4	2.9	2.7	2.9	3	2.8	3	2.7	2.8	2.7	3.1	3.4	3.6	3.5	2.7	2	2	2.1	2.8	2.8	2.3	2.7
26	2.6	2.2	2.2	2.2	1.8	1.5	2.6	3.3	3.9	4.4	4.5	3.8	4.2	4.3	4.3	5	4.9	4.3	4.6	3.7	3	3	3.4	3.1	3.4
27	3.8	3.4	3.4	3.7	3.4	3.2	3.5	3.8	4.7	4.8	4.5	4.8	5.1	3.6	3.9	3.9	4	3.8	3.6	3.3	3.3	3.1	2.8	1.5	3.7
28	1	1.9	2.2	2.8	2.2	3.5	3	3.4	3.7	4.1	4.2	4	2.6	2.5	1.8	0.5	0.9	1.5	1.8	2.2	1.4	1.3	1.2	0.8	2.3
29	0.8	1.3	1.1	0.9	0.5	0.5	1.1	1.3	2.1	2.2	2.4	3.1	3.3	2.9	3.3	2.9	2.9	2.6	2.3	1.5	2.1	1	0.6	0.2	1.8
30	0.7	0.9	0.6	1.3	1.2	1.2	1.1	1	1.6	2.3	2.7	3	2.9	2.8	3.6	3.4	2.7	2.2	2	2	1.3	0.3	0.1	0.1	1.7
Avg	1.7	1.8	1.7	1.6	1.5	1.6	2.1	2.7	3.1	3	3.1	3.2	3.4	3.5	3.5	3.6	3.6	3.2	2.8	2.5	2.3	2	1.8	1.7	2.5
SD	1.2	1.1	1	0.9	0.8	0.8	0.9	1	1.1	1.1	1	1	0.8	0.9	1	1.1	1	1	1	0.9	1	1.1	1	1	0.7
S/A	0.66	0.61	0.61	0.57	0.54	0.52	0.42	0.37	0.35	0.38	0.31	0.31	0.29	0.24	0.25	0.27	0.32	0.32	0.37	0.38	0.41	0.49	0.6	0.61	0.27
Min	0	0.1	0.2	0	0.1	0.2	0.5	0.9	1.5	1.1	1.4	1.5	1.8	2.4	1.8	0.5	0.9	1.4	1.2	0.7	0.9	0.3	0.1	0.1	1.5
Max	4	4.6	4	3.7	3.4	3.5	3.5	4.5	5.1	5.1	5.2	5.3	5.4	5.1	4.8	5	6	5.5	4.8	4.5	4.5	3.6	3.6	3.6	3.7
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	224	227	226	221	236	240	257	276	292	311	309	315	282	291	276	274	281	246	255	257	262	262	247	260	264
2	273	279	273	259	247	248	258	278	276	288	266	278	265	281	301	304	304	307	323	70	66	59	51	52	290
3	39	33	30	23	11	347	1	12	12	31	31	48	50	67	85	84	82	95	90	111	111	117	105	116	59
4	109	119	98	114	105	110	102	105	145	164	165	193	136	135	124	158	152	160	160	168	170	170	178	190	147
5	187	192	183	202	201	212	214	226	225	208	192	196	197	202	199	185	190	186	186	193	200	207	215	219	200
6	219	228	232	232	223	224	230	235	235	229	217	209	208	196	197	193	181	188	183	181	215	322	85	121	209
7	178	214	206	275	311	313	341	359	6	3	2	15	15	20	38	49	42	44	42	27	29	27	23	34	21
8	58	59	55	52	44	12	12	54	61	60	55	57	59	49	47	62	66	59	67	65	57	60	69	66	56
9	50	357	350	312	308	350	11	25	43	57	60	52	85	102	101	85	93	116	130	158	153	160	163	160	81
10	165	189	267	254	255	263	265	264	253	263	256	216	124	158	201	163	150	152	141	146	171	185	193	211	193
11	229	243	244	232	247	239	237	251	238	234	252	192	185	193	176	158	154	197	202	194	199	213	226	227	206
12	234	235	227	236	232	237	246	252	257	252	245	231	242	231	225	212	213	216	202	202	203	215	227	235	230
13	232	235	236	237	242	248	253	253	263	274	272	258	242	237	192	193	173	35	217	162	100	104	127	140	224
14	155	186	194	198	198	195	198	203	210	209	186	183	185	179	242	264	136	108	132	202	215	166	241	221	191
15	232	229	241	0	104	288	288	285	295	289	274	252	215	221	227	241	229	233	286	277	293	295	276	271	249
16	276	269	291	207	209	247	257	249	241	224	212	231	230	205	220	227	222	194	178	166	154	165	184	218	215
17	220	245	306	338	322	325	24	8	350	353	359	9	52	65	77	74	57	60	46	61	62	89	63	67	39
18	127	128	360	69	39	48	64	75	66	58	75	65	73	73	63	75	87	84	98	80	86	115	120	97	76
19	356	328	356	17	28	352	25	52	65	71	70	63	70	77	88	82	88	79	72	65	57	44	29	43	66
20	27	36	28	32	35	37	46	50	46	43	40	40	46	37	40	44	42	43	36	30	15	17	5	343	38
21	337	359	10	4	327	332	346	36	40	47	50	55	53	53	51	54	50	51	51	47	31	21	20	29	39
22	28	43	43	49	34	30	37	56	53	53	62	74	66	58	40	47	75	98	98	114	102	85	31	353	62
23	8	166	339	37	50	91	108	113	139	128	28	35	29	102	117	127	149	156	168	172	158	173	190	198	128
24	200	207	203	209	215	217	229	237	242	227	222	226	224	196	181	160	169	167	172	162	170	179	186	194	201
25	199	205	208	214	218	220	220	227	223	227	217	227	197	170	168	163	164	176	170	172	173	188	193	199	197
26	197	200	209	205	203	201	208	213	219	211	203	187	175	154	171	166	177	182	197	197	194	193	193	196	192
27	201	199	202	204	206	202	202	202	200	199	203	194	179	175	182	179	186	194	196	202	199	263	240	161	198
28	155	190	209	208	194	214	212	220	226	219	223	219	203	292	272	249	170	275	76	114	190	195	210	214	213
29	232	223	214	233	230	280	300	324	32	37	41	53	48	48	53	54	55	49	49	54	59	58	59	344	45
30	2	5	328	348	348	351	359	9	8	11	29	35	34	48	53	52	53	53	54	61	63	65	330	311	34
Avg	212	221	228	228	232	245	256	271	273	258	239	147	129	130	132	132	129	127	136	142	157	179	191	199	174
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

June 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	4.4	4.7	4	4	4.1	4	4.8	5.5	5.3	5.9	5.4	4.9	5	4.4	5.4	4.6	3.7	2.4	4.3	5.1	7	5	4.5	4.8	4.7
2	5.1	4.4	3.9	2.6	2.2	2.4	3.6	4.9	5.6	6.8	5.9	5.6	7.2	7.5	6.8	7	6.7	5.6	3.4	5.4	4.3	3.8	3.6	2.7	4.9
3	3.6	5	3.9	3.5	2.5	2	4.2	4.9	5	5	4.9	6	5.5	5.3	5.4	5	6	5.9	4.4	3.9	3.8	3.3	2.8	1.9	4.3
4	1.8	2.5	2.5	3.8	3.7	2.8	3.1	3.4	4.4	4.9	4.4	3.8	5.1	7.2	7.4	6.9	8	7.7	6.8	5.5	5.6	5	4.4	3.6	4.8
5	3	2.4	2.6	2.8	2.9	2.7	3.8	4.8	5	4.6	5.6	5.8	6.3	6.2	6.6	7.4	7	7.4	7.4	6	6.2	5.6	5.7	4.9	5.1
6	4.7	4.4	4.4	3.7	2.9	2.9	4	5	5.7	6.2	5.8	5.9	5.4	6.6	6.6	7.7	8.7	6.9	6.6	6.6	5.8	5.7	2.2	2.3	5.3
7	1.6	1.8	2.4	1.9	3.7	3.5	4.7	5.3	6.8	6.1	6.1	6.4	7.8	7.3	7.5	8.3	10	9	8.1	7.3	5.7	5.8	5.8	5	5.7
8	6.5	7.1	6.2	4.6	3.8	2.8	3.7	7.1	7.7	7.5	6.9	7.2	6.4	6.2	5.7	6.6	5.9	6.1	5.5	3.3	2.5	1.7	1.7	1.7	5.2
9	1.6	1.3	0.8	1.2	1.2	1.9	3	3.4	3	2.4	3.8	4.4	4.4	4	3.7	3.3	3.2	2.7	2.6	2	1.7	2.2	1.8	1.1	2.5
10	0.1	0.3	0.7	0.9	1.4	1.9	2.4	3.8	3.9	3.1	2.7	2.8	3.4	4	4	4.9	4.2	3.8	3.6	3.7	3.1	2.7	2.3	2.2	2.7
11	2	1.7	1.4	1	1	1.5	2.1	2.7	3.1	3.8	4.1	3.9	4.4	5.4	5.2	5.5	5.5	5.7	5.3	4.3	4.8	5.4	5.6	6	3.8
12	5.2	4.2	3.9	3.7	2.7	3.1	5	6.2	6.2	5.3	5.8	6.1	6.8	6.4	6.9	6.5	6.3	5.1	5.1	5.4	5.6	5.6	5.5	5.1	5.3
13	5	5.1	4	3.2	3.4	3.9	5.1	5	4.4	3.8	4.1	3.8	3.8	4.6	4.8	5	3.7	3.7	5.3	4.7	4	1.9	3	3.2	4.1
14	3.5	3.6	3.6	3.6	3	3	4.3	5.4	5.7	5.5	4.7	5.3	5	4.6	4	6.6	6.4	3.7	3	4.1	2.7	1.7	0.6	2.2	4
15	0.7	2	1	0	0.9	2.8	2.1	2.1	3	3.2	4.3	4.4	4.9	6.1	7.3	6.7	5.3	4.2	3.4	1.7	2.2	1.7	1.3	1.3	3
16	0.9	1.2	1	0.6	1.1	1.5	1.1	2.2	2.6	3.4	4.5	4.9	4.8	4.8	4.6	4.3	3.8	2.6	2.2	1.9	2.3	3.3	3.6	3.7	2.8
17	3.3	3.4	3.6	2.9	1.4	0.8	1.2	2.3	2.6	2.3	2.4	3	3.9	3.9	3.8	4.4	4.2	4.5	3.7	3.4	2.3	2.1	1.2	1.1	2.8
18	0.8	0.3	0.6	0.7	1	1	1.4	2.9	3.4	3.4	4	4.5	5.2	5.6	5.7	4.9	5.6	4.3	2.5	1.8	1.4	2	1.3	1.4	2.7
19	0.6	1	0.8	1.4	1.7	1.3	2.2	3.1	4.1	3.8	4.7	4.9	5.3	5.7	5.8	6.2	6.5	6.4	5.1	4.7	3.6	2.7	2.6	2.5	3.6
20	2.5	3	3	3.1	3.1	3.4	5.1	6.6	8	7.6	8.3	8.1	8	7.4	7.7	7.5	7	6.6	5.4	3.9	2.9	2.9	2.4	2.6	5.3
21	2.3	2.9	3	3.3	1.9	1.8	2.9	7.1	7.7	7.9	7.6	7.7	7.4	7.5	7.2	7.6	6.5	5.6	5.2	4.4	3.1	2.9	2.8	2.6	4.9
22	2.9	2.5	2.8	2.6	2.3	1.9	2.6	4.8	5.2	4	4.4	4.9	5.7	5.1	6.4	5.4	5.1	5.6	4.7	3.1	2.3	1.1	0.5	0.8	3.6
23	1	0.2	0.4	0.1	0.2	0.6	2.4	3.1	2.9	2.2	2.5	2.8	3	4.4	5.4	5	4.2	5.2	3.2	2	2.1	2.5	2.4	2.6	2.5
24	3	3.2	2.6	2.8	3	3.1	4.3	4.6	5.3	4.8	4.9	4.7	4.4	4.3	5	5.6	5.2	4.4	3.4	3.3	3.8	3.9	3.8	4.4	4.1
25	4	3.3	3.5	3.5	4.3	3.9	4.6	4.8	4.4	4.7	4.5	4.8	4.7	5.2	5.5	5.9	5.5	4.6	3.5	3.7	3.6	4.6	4.6	3.5	4.4
26	4.3	3.3	3.5	3.4	2.9	2.3	4.1	5.2	6.1	6.8	7.2	6.3	6.6	6.9	7.1	8.3	8	6.7	7.4	6	4.9	5	5.7	5	5.5
27	5.9	5.5	5.2	5.5	5.3	5	5.5	6.5	7.4	7.5	7.1	7.3	7.7	6.4	6.5	6.5	6.5	6.6	5.7	5.2	5.3	5.6	4.6	2.6	6
28	1.9	3.1	3.6	4.1	3.6	5.6	4.9	5.3	5.7	6	6.6	6.2	4.2	5	3.4	1.1	1.8	3.1	3.1	3.3	2.3	2.2	2.1	1.6	3.7
29	1.5	2.1	1.9	1.5	1.1	1.4	2.5	2.5	3.5	3.7	3.6	4.4	4.9	4.5	5	4.4	4.3	3.8	3.6	2.4	3	1.7	1	0.5	2.9
30	1.1	1.3	1.2	2	1.9	2	2.2	2.3	2.9	3.7	4.6	4.9	4.7	4.4	5.4	5	4.1	3.5	3.2	3.1	1.9	0.7	0.4	0.2	2.8
Avg	2.8	2.9	2.7	2.6	2.5	2.6	3.4	4.4	4.9	4.9	5	5.2	5.4	5.6	5.7	5.8	5.6	5.1	4.6	4	3.7	3.4	3	2.8	4.1
SD	1.7	1.7	1.5	1.4	1.2	1.2	1.3	1.5	1.6	1.7	1.5	1.4	1.3	1.2	1.2	1.6	1.8	1.6	1.6	1.5	1.5	1.6	1.7	1.5	1.1
S/A	0.61	0.58	0.55	0.54	0.49	0.46	0.38	0.34	0.33	0.35	0.29	0.26	0.25	0.21	0.22	0.27	0.31	0.32	0.35	0.37	0.42	0.48	0.57	0.56	0.26
Min	0.1	0.2	0.4	0	0.2	0.6	1.1	2.1	2.6	2.2	2.4	2.8	3	3.9	3.4	1.1	1.8	2.4	2.2	1.7	1.4	0.7	0.4	0.2	2.5
Max	6.5	7.1	6.2	5.5	5.3	5.6	5.5	7.1	8	7.9	8.3	8.1	8	7.5	7.7	8.3	10	9	8.1	7.3	7	5.8	5.8	6	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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	1007	1007	1006	1006	1006	1007	1007	1008	1008	1008	1007	1007	1006	1005	1005	1004	1003	1003	1003	1004	1004	1005	1005	1005	1005	1006
2	1004	1004	1004	1004	1004	1005	1005	1006	1005	1005	1005	1005	1004	1003	1003	1003	1003	1003	1004	1005	1006	1007	1008	1009	1009	1005
3	1009	1009	1010	1010	1011	1012	1012	1013	1013	1014	1014	1014	1015	1015	1014	1015	1015	1014	1015	1015	1015	1016	1016	1016	1016	1013
4	1016	1015	1016	1016	1016	1017	1017	1018	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017
5	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1016
6	1014	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1011	1010	1009	1009	1008	1009	1009	1008	1010	1012	1012	1012	1011	1011
7	1011	1011	1011	1010	1011	1011	1012	1013	1014	1015	1015	1016	1016	1017	1017	1018	1018	1019	1019	1020	1020	1021	1021	1021	1016	1016
8	1021	1021	1021	1020	1021	1021	1022	1022	1023	1023	1023	1024	1024	1023	1023	1022	1022	1022	1022	1022	1022	1023	1022	1022	1022	1022
9	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1019	1018	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1019
10	1017	1017	1016	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017
11	1017	1017	1016	1016	1016	1017	1017	1017	1017	1017	1016	1016	1016	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1015
12	1013	1013	1012	1012	1012	1012	1012	1012	1012	1012	1012	1011	1010	1009	1008	1008	1007	1007	1007	1007	1007	1008	1009	1009	1009	1010
13	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1007	1007	1006	1005	1005	1004	1005	1005	1006	1006	1006	1006	1006	1006	1007
14	1006	1005	1005	1004	1005	1005	1005	1005	1004	1004	1004	1004	1003	1003	1002	1001	1000	1002	1002	1002	1002	1002	1002	1002	1002	1003
15	1001	1001	1001	1001	1001	1002	1003	1004	1004	1004	1004	1004	1004	1003	1003	1004	1003	1004	1004	1005	1006	1007	1008	1008	1008	1004
16	1008	1008	1008	1008	1008	1008	1009	1009	1009	1009	1009	1009	1009	1008	1008	1008	1008	1007	1007	1008	1008	1008	1008	1008	1008	1008
17	1008	1008	1009	1009	1009	1010	1010	1010	1011	1011	1011	1011	1011	1011	1010	1010	1011	1011	1011	1012	1012	1013	1013	1013	1013	1011
18	1014	1013	1013	1014	1014	1015	1016	1017	1017	1018	1018	1019	1018	1019	1018	1018	1019	1019	1019	1019	1019	1020	1020	1020	1017	1017
19	1021	1021	1021	1021	1022	1022	1023	1023	1024	1024	1024	1024	1025	1024	1024	1024	1024	1024	1024	1024	1025	1025	1025	1025	1025	1024
20	1025	1025	1025	1025	1025	1025	1026	1026	1026	1027	1028	1028	1028	1028	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1026
21	1026	1026	1026	1026	1026	1027	1027	1027	1028	1027	1027	1027	1027	1027	1026	1026	1025	1025	1025	1026	1026	1026	1026	1026	1026	1026
22	1025	1025	1024	1024	1024	1024	1025	1025	1026	1026	1025	1025	1025	1024	1024	1024	1023	1023	1023	1023	1024	1024	1023	1024	1024	1024
23	1024	1023	1023	1023	1023	1022	1023	1023	1024	1024	1023	1023	1022	1022	1021	1021	1020	1020	1020	1020	1020	1020	1021	1021	1021	1022
24	1020	1020	1019	1019	1019	1019	1019	1020	1020	1020	1020	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1019
25	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
26	1018	1018	1018	1018	1018	1018	1018	1019	1018	1018	1018	1018	1017	1017	1016	1015	1014	1014	1014	1014	1015	1016	1015	1015	1015	1016
27	1015	1014	1014	1014	1014	1014	1015	1015	1014	1014	1014	1014	1013	1013	1013	1012	1012	1011	1010	1010	1011	1011	1013	1013	1012	1013
28	1011	1010	1010	1011	1011	1011	1011	1012	1012	1012	1012	1011	1011	1012	1011	1012	1012	1012	1012	1013	1013	1014	1014	1015	1015	1012
29	1015	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1020	1020	1017	1017
30	1019	1019	1019	1019	1020	1021	1021	1021	1021	1022	1022	1022	1021	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
Avg	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016	1015	1015	1014	1014	1014	1015	1015	1015	1016	1016	1016	1016	1015
S/D	7	7	7	7	7	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	7	7
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	0.01
Min	1001	1001	1001	1001	1001	1002	1003	1004	1004	1004	1004	1003	1003	1002	1001	1000	1002	1002	1002	1002	1002	1002	1002	1002	1002	1003
Max	1026	1026	1026	1026	1026	1027	1027	1027	1028	1027	1028	1028	1028	1028	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	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