

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

May 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	38	153	330	547	677	858	869	809	727	544	293	205	90	18	0	0	0	0	0	6159
2	0	0	0	0	0	5	21	65	137	191	269	312	623	782	541	439	170	126	31	0	0	0	0	0	3712
3	0	0	0	0	0	13	40 ?	?	?	121	279	289	185	122	157	201	199	85	20	0	0	0	0	0	1710 ?
4	0	0	0	0	0	7	26	63	74	273	487	472	593	654	658	621	402	195	34	0	0	0	0	0	4559
5	0	0	0	0	0	41	180	246	298	339	513	311	483	278	197	266	115	44	13	0	0	0	0	0	3325
6	0	0	0	0	0	4	26	74	65	579	488	773	767	610	296	259	179	93	20	0	0	0	0	0	4235
7	0	0	0	0	0	16	79	275	474	553	466	870	869	697	682	552	245	166	20	0	0	0	0	0	5963
8	0	0	0	0	0	27	161	231	384	446	708	673	861	799	534	446	308	139	36	0	0	0	0	0	5754
9	0	0	0	0	0	11	45	105	103	308	638	824	618	580	490	452	190 ?	?	0	0	0	0	0	0	4366 ?
10	0	0	0	0	0	27	176	315	414	434	570	627	682	793	668	426	243	61	4	0	0	0	0	0	5440
11	0	0	0	0	0	25	177	364	499	636	758	693	666	466	420	401	156	135	47	0	0	0	0	0	5442
12	0	0	0	0	0	45	221	426	621	796	928	983	977	923	802	597	392	164	41	0	0	0	0	0	7916
13	0	0	0	0	0	45	215	416	610	787	926	976	975	897	686	428	298	214	38	0	0	0	0	0	7511
14	0	0	0	0	0	46	214	415	611	785	920	980	975	922	735	528	434	209	37	0	0	0	0	0	7812
15	0	0	0	0	0	15	84	300	499	712	829	900	524 ?	415	527	334	179	87	21	0	0	0	0	0	5426
16	0	0	0	0	0	14	147	200	510	711	645	773	572	659	298	320	192	93	38	0	0	0	0	0	5174
17	0	0	0	0	0	6	31 ?	72	76	129	202	167	161	143	150	99	40	25	9	0	0	0	0	0	1310
18	0	0	0	0	0	3	30 ?	49 ?	64 ?	57 ?	75	117	118	114	127	75	43	41 ?	5	0	0	0	0	0	919 ?
19	0	0	0	0	3	20	37	69	133	170	202	230	349	293	339	320	147	182	46	1	0	0	0	0	2541
20	0	0	0	0	4	51	232	432	598	782	935	969	930	872	736	488	260	110	39	0	0	0	0	0	7437
21	0	0	0	0	2	39	245	378	569	741	773	711	796	811	715	611	205	36 ?	2	0	0	0	0	0	6634
22	0	0	0	0	0	14	63	86	132	121	168	127	155	120	121	88	84	54	8	0	0	0	0	0	1343
23	0	0	0	0	0	7	33	46	68	77	89	82	73 ?	74	154	196	47	26	27	3	0	0	0	0	1006
24	0	0	0	0	1	18	64	107	194	321	353	402	397	486	166	341	190	134	27	3	0	0	0	0	3203
25	0	0	0	0	2	12	71	260	574	738	692	921	781	893	696	353	246	226	31	4	0	0	0	0	6500
26	0	0	0	0	0	0	71	156	296	431	727	789	799	633	421	223	131	96	50	8	0	0	0	0	4833
27	0	0	0	0	4	17	57	39 ?	84	130	469	435	510	381	197	63	50	25 ?	14	0	0	0	0	0	2476
28	0	0	0	0	3	25	71	138	486	753	793	933	800	847	598	424	216	202	52	0	0	0	0	0	6341
29	0	0	0	0	2	50	206	406	574	743	646	642	294 ?	665	503	438	386	170	27	2	0	0	0	0	5754
30	0	0	0	0	6	56	211	409	589	758	897	875	851	747	531	461	359	211	52	0	0	0	0	0	7013
31	0	0	0	0	2	54	198	409	545	409	560	246	698	692	369	345	176	67	22	1	0	0	0	0	4792
Avg	0	0	0	0	1	24	116	229	361	474	576	612	610	584	454	358	209	117	27	1	0	0	0	0	4729
S D	0	0	0	0	2	17	78	145	216	263	267	305	275	272	219	156	108	65	15	2	0	0	0	0	2105
S/A	0	0	0	0	1.66	0.71	0.67	0.63	0.6	0.55	0.46	0.5	0.45	0.47	0.48	0.44	0.52	0.55	0.57	2.33	0	0	0	0	0.45
Min	0	0	0	0	0	0	21	39	64	57	75	82	73	74	121	63	40	25	0	0	0	0	0	0	919
Max	0	0	0	0	6	56	245	432	621	796	935	983	977	923	802	621	434	226	52	8	0	0	0	0	7916
n	0	0	0	0	25	356	355	346	349	360	370	371	360	369	371	371	364	334	351	21	0	0	0	0	5074

Daylight Data Recovery: 0.0% missing; 2.9% exceed the 15% QC threshold -- 5225 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

May 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	24	181	347	561	541	582	561	451	316	201	15	12	1	0	0	0	0	0	0	3792
2	0	0	0	0	0	0	0	0	1	2	4	14	174	477	311	206	29	38	34	0	0	0	0	0	1288
3	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	1	37	2	0	0	0	0	0	0	45
4	0	0	0	0	0	0	0	0	0	1	27	34	108	200	489	705	657	521	158	0	0	0	0	0	2903
5	0	0	0	0	0	48	178	57	66	12	61	12	23	3	1	43	0	0	0	0	0	0	0	0	503
6	0	0	0	0	0	0	0	0	0	407	110	372	397	325	15	10	6	2	1	0	0	0	0	0	1647
7	0	0	0	0	0	1	1	115	348	297	47	521	538	351	578	551	160	292	25	0	0	0	0	0	3826
8	0	0	0	0	0	5	116	38	104	78	326	295	544	492	289	359	364	204	104	0	0	0	0	0	3317
9	0	0	0	0	0	0	0	0	0	3	160	387	121	120	210	237	42	0	1	0	0	0	0	0	1282
10	0	0	0	0	0	10	122	216	159	58	117	138	185	434	394	175	98	0	0	0	0	0	0	0	2105
11	0	0	0	0	0	21	321	374	328	376	413	274	184	38	51	145	13	43	29	0	0	0	0	0	2610
12	0	0	0	0	0	215	587	732	802	844	857	860	823	831	833	716	612	345	156	0	0	0	0	0	9212
13	0	0	0	0	0	194	517	658	733	791	823	817	806	731	512	269	260	429	127	0	0	0	0	0	7668
14	0	0	0	0	0	186	503	668	757	806	825	843	817	764	591	407	575	516	152	0	0	0	0	0	8411
15	0	0	0	0	0	0	1	262	437	549	544	579	163	14	117	38	2	0	0	0	0	0	0	0	2709
16	0	0	0	0	0	1	139	40	439	506	346	454	226	356	102	109	24	14	9	0	0	0	0	0	2765
17	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4
18	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	1	1	1	1	1	1	3	2	8	11	1	133	144	0	0	0	0	0	307
20	0	0	0	0	0	164	500	654	739	785	800	775	768	741	613	285	116	11	40	0	0	0	0	0	6991
21	0	0	0	0	0	56	336	314	538	430	351	202	409	569	540	645	180	0	0	0	0	0	0	0	4571
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	2	3	4	4	4	60	1	80	11	5	1	0	0	0	0	0	176
25	0	0	0	0	0	0	0	86	380	480	220	591	340	733	593	74	32	226	5	0	0	0	0	0	3759
26	0	0	0	0	0	0	1	2	14	56	288	268	337	200	41	4	0	1	5	0	0	0	0	0	1217
27	0	0	0	0	0	0	0	0	0	1	16	4	8	4	0	0	0	0	0	0	0	0	0	0	33
28	0	0	0	0	0	0	0	2	280	588	432	547	439	583	311	326	78	278	138	0	0	0	0	0	4004
29	0	0	0	0	3	99	319	479	581	627	192	130	16	329	277	210	442	229	0	0	0	0	0	0	3932
30	0	0	0	0	1	73	270	508	638	685	675	588	509	443	321	352	352	374	110	0	0	0	0	0	5899
31	0	0	0	0	1	123	300	481	385	45	135	4	207	393	68	73	46	3	0	0	0	0	0	0	2265
Avg	0	0	0	0	0	39	142	195	268	289	270	299	277	307	241	195	134	118	40	0	0	0	0	0	2814
S D	0	0	0	0	1	67	190	251	286	310	290	298	273	278	247	220	200	171	59	0	0	0	0	0	2625
S/A	0	0	0	0	2.72	1.7	1.34	1.29	1.07	1.07	1.07	1	0.98	0.91	1.02	1.13	1.49	1.44	1.49	5.57	0	0	0	0	0.93
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Max	0	0	0	0	3	215	587	732	802	844	857	860	823	831	833	716	657	521	158	0	0	0	0	0	9212
n	0	0	0	0	25	359	372	372	372	372	372	372	369	372	372	372	372	372	356	21	0	0	0	0	5222

Daylight Data Recovery: 0.0% missing; 0.1% exceed the 15% QC threshold -- 5225 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

May 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	28	102	160	174	217	279	284	326	406	362	285	201	92	19	0	0	0	0	0	2933
2	0	0	0	0	0	5	22	68	142	197	274	304	433	308	280	296	157	120	30	0	0	0	0	0	2634
3	0	0	0	0	0	14	37	?	36 ?	119	285	298	191	126	162	205	185	85	20	0	0	0	0	0	1765 ?
4	0	0	0	0	0	8	27	66	76	282	460	435	471	445	247	148	93	58	18	0	0	0	0	0	2834
5	0	0	0	0	0	38	143	222	260	336	452	308	458	284	205	234	119	46	14	0	0	0	0	0	3119
6	0	0	0	0	0	4	28	78	65	226	388	381	341	281	287	257	181	94	21	0	0	0	0	0	2632
7	0	0	0	0	0	18	81	221	251	287	419	310	312	342	186	170	168	80	17	0	0	0	0	0	2863
8	0	0	0	0	0	29	140	216	314	381	385	360	307	316	280	188	139	77	25	0	0	0	0	0	3155
9	0	0	0	0	0	12	46	108	107	314	461	416	487	457	322	290	133 ?	?	0	0	0	0	0	0	3152 ?
10	0	0	0	0	0	29	141	205	305	369	435	470	471	360	334	299	187	62	5	0	0	0	0	0	3673
11	0	0	0	0	0	25	81	177	251	287	328	385	458	426	370	288	152	122	43	0	0	0	0	0	3394
12	0	0	0	0	0	24	51	64	74	80	88	96	123	109	93	97	86	69	22	0	0	0	0	0	1075
13	0	0	0	0	0	26	63	87	103	109	115	129	140	177	233	234	167	87	24	0	0	0	0	0	1695
14	0	0	0	0	0	26	68	83	92	100	112	114	133	173	212	223	153	62	19	0	0	0	0	0	1570
15	0	0	0	0	0	15	85	150	177	221	250	242	302	304	317	224	139	67	16	0	0	0	0	0	2506
16	0	0	0	0	0	12	93	145	175	220	240	238	252	234	156	179	135	69	27	0	0	0	0	0	2175
17	0	0	0	0	0	5	18	59	61	104	162	134	131	118	121	80	32	20	7	0	0	0	0	0	1051
18	0	0	0	0	0	2	24 ?	34	42	42	68	114	107	118	131	77	42	20	5	0	0	0	0	0	827
19	0	0	0	0	?	20	38	72	136	175	208	237	355	299	336	310	154	139	25	1	0	0	0	0	2504
20	0	0	0	0	?	30	69	88	100	108	119	140	155	170	192	278	201	111	35	0	0	0	0	0	1795
21	0	0	0	0	2	35	142	203	196	346	395	474	367	260	226	144	100	22	2	0	0	0	0	0	2912
22	0	0	0	0	0	15	66	89	136	125	173	131	161	124	125	90	86	56	8	0	0	0	0	0	1384
23	0	0	0	0	0	7	33	47	70	78	92	83	70	75	158	200	49	27	28	4	0	0	0	0	1022
24	0	0	0	0	2 ?	19	67	111	200	327	358	409	398	426	169	268	187	135	28	3	0	0	0	0	3107
25	0	0	0	0	2 ?	12	73	207	298	295	442	271	409	170	166	294	229	157	32	5	0	0	0	0	3061
26	0	0	0	0	0	0	73	159	288	377	419	469	428	416	379	221	134	88	35	4	0	0	0	0	3490
27	0	0	0	0	4 ?	13	45	27	67	108	369	364	420	321	168	52	40	19	12	0	0	0	0	0	2030
28	0	0	0	0	2	22	60	116	251	215	292	281	280	223	264	171	147	100	27	0	0	0	0	0	2452
29	0	0	0	0	2	36	101	149	160	185	369	423	198	235	235	288	159	92	27	1	0	0	0	0	2659
30	0	0	0	0	8 ?	41	108	137	151	169	211	233	289	265	211	171	151	83	31	0	0	0	0	0	2258
31	0	0	0	0	1	30	79	114	192	295	334	212	378	242	260	248	128	53	19	1	0	0	0	0	2586
Avg	0	0	0	0	1	19	71	122	160	216	290	282	302	265	232	210	137	77	21	1	0	0	0	0	2397
S D	0	0	0	0	2	11	37	60	85	101	127	123	129	111	80	75	50	36	10	1	0	0	0	0	790
S/A	0	0	0	0	2.1	0.58	0.52	0.49	0.53	0.47	0.44	0.43	0.43	0.42	0.34	0.36	0.37	0.47	0.51	2.18	0	0	0	0	0.33
Min	0	0	0	0	0	0	18	27	36	42	68	83	70	75	93	52	32	19	0	0	0	0	0	0	827
Max	0	0	0	0	8	41	143	222	314	381	461	474	487	457	379	310	229	157	43	5	0	0	0	0	3673
n	0	0	0	0	19	347	365	358	366	371	372	372	370	371	372	372	368	355	353	21	0	0	0	0	5152

Daylight Data Recovery: 0.0% missing; 1.4% exceed the 15% QC threshold -- 5225 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

May 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	18.2	18.1	18.3	18.3	18.2	18.1	18.8	20.4	22.1	23	24	24.6	25.6	25.9	25.6	24.3	23.2	22.3	21.4	20.7	20.3	19.9	19.7	19.8	21.3	
2	19.8	19.9	19.3	19.2	19.4	19.3	19	19.1	19.6	20	20.9	21.6	23.2	24.8	25.7	25.2	23.9	22.7	21.8	20.8	20.1	19.7	19.7	19.7	21	
3	19.4	19.7	18.5	18	17.9	17.5	16.1	14.7	13.6	13.3	13.4	13.9	13.5	12.9	12.8	13	13.3	12.8	12.2	11.6	11.1	10.6	10.4	10.4	14.2	
4	10.8	10.9	10.7	10.7	10.8	11	10.8	11.1	11.4	11.9	12.8	13.5	13.4	13.9	14.2	14.2	14	13.4	12.1	11	10.3	9.7	9.2	8.4	11.7	
5	8.1	7.4	6.8	6.5	6.9	7.4	9.8	11.1	12.1	13.2	14.4	15.1	15.6	15.9	15.6	14.9	14.4	14.7	14.9	15.1	15.4	16	16.3	16.7	12.7	
6	17.7	18.4	19.2	20	20	20	19.7	19.4	19.6	20.6	22.5	24	25	26.2	26	25.8	25.3	24.8	24.1	22.9	22.2	21.7	20.9	20.3	21.9	
7	19.7	19.2	19.4	19.7	19.8	19	18.9	20.2	21.8	22.8	23.6	24.4	26	26.8	27	28.1	26.7	27.3	26.5	25.3	24.5	24.1	23.7	24	23.3	
8	24.1	23.6	23.1	23.1	23.3	22.9	22.8	23	23.6	24.1	25.1	26.2	27	28.1	28.5	28.9	29.2	25.8	22.3	21.2	20.5	20.1	19.5	19.2	24	
9	19.1	18.8	18.4	17.6	16.7	16.3	16.5	17.1	17.9	19.2	22.1	25.3	27.9	29.1	30.2	30.6	26.9	22	22.8	23.1	23.4	22.7	21.5	20.8	21.9	
10	19.3	18.8	17.8	16.7	16.3	15.9	17.1	18.4	20	22.2	22.8	23.7	24.5	24.4	24.9	24.7	24.3	23.6	22.7	21.7	21.4	21.1	21	21.5	21	
11	22	22.4	22.3	22.2	22.5	22.4	23	24.7	25.9	27	28.3	29.1	29.6	29.8	30	30.8	30.1	29.5	28.6	27.7	27	26.1	25.3	24.8	26.3	
12	24.3	23.4	22.4	21.3	20.4	19.7	19.8	20.8	21.6	22.3	22.7	23.5	24.2	24.9	25.2	25.5	25.6	24.9	23.9	22.3	21.5	20.5	19.4	19.1	22.5	
13	18	17.2	16.5	15.9	16	15.9	16.5	17.8	19.2	20	20.7	21.5	22.1	22.6	23	22.8	22.6	22.6	21.5	19.9	18.4	17.1	16.4	16	19.2	
14	15.2	14.5	13.8	13.1	11.7	11.3	13.3	16.2	18.4	20.1	21.3	22.3	23.1	23.9	24.3	24.5	24.9	24.6	23.6	21.3	19.9	18.9	18.3	18.2	19	
15	17.9	17.5	17.4	17.4	17.4	17.3	17.6	19.2	21.4	22.7	23.4	24.1	24.2	23.8	23.8	22.9	22.1	21.7	21.3	20.6	19.7	19.1	18.8	18.5	20.4	
16	18.7	18.6	18.4	18.3	18.3	18.1	18.7	19.6	20.7	22	22.8	24.4	25.1	25.8	24	22.5	22	21	19.6	18.5	17.5	16.3	16.2	15.8	20.1	
17	15.5	14.8	14.3	14.1	14.1	13.8	13.3	13.2	13.5	13.2	13.7	13.7	13.8	13.9	13.5	13.1	12.9	12.5	12.4	12.5	12.6	12.5	12.7	12.8	13.4	
18	12.7	12.7	12.6	12.5	12.4	12.3	12.2	12.1	11.9	11.9	12	12.5	12.8	12.9	13	12.7	12.4	12.2	12	11.9	11.7	11.5	11.5	11.6	12.2	
19	11.6	11.1	10.6	10.6	10.8	11.4	12	12.9	13.3	14.2	14.5	14.5	15.2	14.9	15.6	15.4	15.3	15.6	14.6	13.7	13.3	13	12.6	12.2	13.3	
20	11.7	11.2	11.2	11.2	11.2	11.5	13.3	16.2	18.9	20.7	21.6	22.4	22.8	22.7	22.9	22.5	21.6	20	18.5	17.1	16.1	15.7	15.5	15.2	17.1	
21	14.8	14.8	14.3	14.3	14.1	14.1	16.4	18.9	21.6	23	23.9	24.2	25.3	25.7	26.2	26.3	25.4	24.3	21.7	19.3	18.9	18.9	18.7	18.8	20.2	
22	18.8	18.5	18.4	18.3	18.1	17.9	18.1	18.3	18.4	18.7	18.9	18.9	18.7	18.2	18	18	17.7	17.5	17.1	16.8	16.5	16.4	16.4	16.4	17.9	
23	16.5	16.4	16.4	16.1	16	15.8	15.8	15.8	15.6	15.7	16	16.3	16.4	16.8	17.2	17.2	16.4	16.6	16.9	16.8	16.6	16.5	16.5	16.2	16.4	
24	15.9	15.8	15.6	15.6	15.8	15.9	16.2	16.5	17	18.3	19.3	19.9	20.4	21.5	21.5	22.1	21.7	21.1	20.6	19.3	18.3	17.8	17.5	17.4	18.4	
25	17.5	17.4	17.3	17.2	17.3	17.2	17.6	18.2	19.5	20.1	21.4	22.3	22.9	23.5	23.4	22.2	21.8	21.3	20.7	20.4	20	20.2	20.2	19.9	20	
26	19.8	19.9	20.2	20.8	21.2	20.2	19.6	20.1	20.8	21.8	23.3	24.7	25.4	25.9	25.9	25.5	23.6	22.1	21.2	20.2	18.6	17.6	17.2	16.9	21.4	
27	16.2	15.7	15.3	14.9	14.5	14.4	14.2	14.1	13.9	14.2	15.1	15.9	16.7	17.1	16.5	15.2	14.5	14	13.7	13.1	13	13.1	13.4	13.1	14.7	
28	13	13	13.1	13.2	13.2	13.3	13.3	13.3	13.3	14.6	16.5	18.1	19.5	20.9	22.2	23	22.9	22.9	23	21.4	18.8	17.5	17.2	17.2	16.8	17.4
29	16.5	16.8	16.5	16.5	16.2	16.5	17.3	18.3	19.9	22	23.6	24.9	23.4	19.9	23	23.6	24.4	23.8	21.9	20.1	19.3	18.7	18	17.2	19.9	
30	16.1	15.4	14.9	14.5	14.1	14.2	14.9	17.1	18.8	20.7	21.7	22.9	23.8	24.5	25.2	25.9	25.5	25.5	24.4	22.4	21.2	20.7	20.1	19.8	20.2	
31	19.7	19.5	19.1	18.7	18.4	18.5	19.8	21.2	22.7	23.4	24.2	23.4	24.1	24.2	23.2	22.4	21.5	20.5	21.5	19.3	17.1	17.3	17.6	17.5	20.6	
Avg	17.1	16.8	16.5	16.3	16.2	16.1	16.5	17.4	18.4	19.3	20.3	21.1	21.7	22	22.2	22.1	21.5	20.8	19.9	18.9	18.2	17.8	17.5	17.3	18.8	
S D	3.7	3.7	3.7	3.7	3.8	3.6	3.3	3.4	3.8	4	4.2	4.5	4.7	5	5.1	5.3	5	4.7	4.4	4.1	4	3.8	3.7	3.7	3.7	
S/A	0.22	0.22	0.23	0.23	0.23	0.22	0.2	0.19	0.21	0.21	0.21	0.21	0.22	0.23	0.23	0.24	0.23	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.2	
Min	8.1	7.4	6.8	6.5	6.9	7.4	9.8	11.1	11.4	11.9	12	12.5	12.8	12.9	12.8	12.7	12.4	12.2	12	11	10.3	9.7	9.2	8.4	11.7	
Max	24.3	23.6	23.1	23.1	23.3	22.9	23	24.7	25.9	27	28.3	29.1	29.6	29.8	30.2	30.8	30.1	29.5	28.6	27.7	27	26.1	25.3	24.8	26.3	
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

May 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	104.8 ?	?	?	?	?	?	104.7 ?	99.9	89.2	79.7	76.9	70.6	63.7	63	62.1	69.3	74.5	77.5	84.8	87.1	88.5	93.8	96	96.5	83.3 ?	
2	98.1	99.9	104.3 ?	?	?	?	?	?	?	104.1	100.5	96.3	88.2	75.9	71	76.4	86	94.4	97.2	101.1	102.6	103.3	104.1	104.6	94.9 ?	
3	89	84.3	94.2	98.4	98.4	101.6	99.7	98.9	104.4 ?	104	101.2	98.1	97.3	97.6	96.3	95	93.3	94.2	96.1	97.4	97.1	98.5	98.4	99.7	97.2	
4	99.7	98.9	102.2	102.3	101.9	101.5	101.6	100.7	99.5	97.8	90.1	85.4	84.9	80	76.3	69.2	65.6	67.1	78.2	81.5	82.4	87.2	93.5	97.7	89.4	
5	100.2	101.6	103.2	103.6	103.4	102.2	98.6	96.9	96.4	93.8	90.3	85.8	82	81.9	89.1	97.8	98.5	98.7	98.5	99.8	100.6	101.8	103.6	104.2	97.2	
6	103.5	103.9	?	104.6 ?	?	?	?	104.3	103.4	103.8	102.6	94.2	85.8	80.2	72.3	72.2	74.1	77.3	82.1	85.7	92.6	96.2	98.1	101	103.1	92.4 ?
7	104.5	104.9 ?	?	104.2 ?	103.6	104.7 ?	?	102.7 ?	96.8	92.1	87.3	84.5	78	76.5	78	74	83.2	77.7	75.4	79.6	83.3	86.6	92	87.2	89 ?	
8	86.1	88.9	92	94.1	93.7	95.5	96.2	95.6	88.3	83.2	80.5	73.9	68.7	64.5	60.3	59.2	55.2	72.5	89.8	94.6	96.6	98.5	99.9	102	84.6	
9	102.4	103.6	104.9 ?	?	?	?	?	?	?	?	99.8	91.6	84.4	82.1	77.2	71.6	82.7	96.4	95.9	97.3	87.1	82.9	89.9	96.4	90.9 ?	
10	101.1	100.6	100.9	100.9	101.8	102.4	100	96.6	94.5	88.9	87	85.6	83.6	84	81.9	82.9	86.3	91	95.1	97.5	100.1	102.1	102.8	103.2	94.6	
11	103.4	102.5	103	103	101.5	101.7	99.6	93.6	88.1	84.3	80.1	77.5	76.4	75.6	73.6	66.6	67.7	70.5	73.8	76.9	76.4	78	80.9	79.4	84.8	
12	72.2	73.9	74.8	77.9	80.2	81	79.7	66	52.6	46.1	46.5	44	40.8	39.8	38.5	37.9	38.1	38.8	42.1	48.5	48.7	52.6	55.8	54.8	55.5	
13	59.1	60.9	62.8	65.5	62.7	62.7	62.4	58.3	50.8	46	39.6	38.6	39	36.5	34.5	35.1	34.7	34.8	38.6	42.9	47.5	52	52.9	52.2	48.8	
14	55.5	58.8	62.7	66.5	74.7	76.7	72.6	65.2	54.5	45.6	39.4	37.5	38.7	34.7	34.1	33.4	33.4	36.2	39.2	50.8	67.6	78.7	80.3	78.2	54.8	
15	80.9	85.6	89.2	91.4	90.8	91	91.9	87.4	74.5	67.1	62.6	58.9	57.6	59.8	61.1	69.5	72	73.8	76.8	82.5	86.8	94.4	99.7	102.4	79.5	
16	101.9	102.6	103.6	103.6	104	103.7	102.4	98.8	92.6	82.4	79.2	71.2	69.1	65.7	76.2	83.4	80.8	87.7	92.8	97.6	99.3	102	102	102.2	91.9	
17	102.1	103	103.7	103.9	104.6	104.8	104.7	104.6	103.2	102.6	100.1	99.7	100.1	99.1	100.3	102.1	103	104.3	104.8	104.8	104.4	104.5	104.2	103.4	103	
18	102.6	102	101.6	101.2	101	101.3	102	102.9	104.3	104.9 ?	?	?	104.9 ?	105 ?	104.8	104.7	104.8	104.9	104.8	104.8	104.6	104.7	104.6	104.7	103.7 ?	
19	?	104.6	104.7	104.8	104.9	104.9	104.8	104.1	103	100.9	100.5	99.6	94.5	96.3	90.4	88	91.2	88.8	93.8	97.4	99.2	99.7	99.9	100.1	99	
20	101	102.3	102.2	101.7	102.2	101.8	97.7	86.7	70	57.5	53.6	51	49.6	42.8	40	41.2	45.7	55.8	72.3	79.7	92.3	99.2	101.4	102.9	77.1	
21	104.2	104.8	104.9	104.5	104.2	103.5	95.7	88.4	81.1	76.3	73	71.6	68	66	62.5	63.4	67.2	71.6	89.3	101.4	103	104.3	104.9 ?	?	87.5	
22	?	105 ?	?	105 ?	105 ?	?	?	104.7 ?	104.1	103.9	104	103.4	103.5	104.2	104.6	103.9	103.9	103.2	103.7	104.9	105 ?	?	?	?	104.2 ?	
23	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	104.8 ?	101.3	103.8	104.9 ?	104.8	104.6	104.5	104.3	104.1	103.8	104.1 ?
24	103.8	104.2	104.6	104.8	104.7	104.4	103.5	102.4	101.4	97.4	93.2	89.6	88.9	83.5	82.8	82.5	83.9	86.8	90	98.3	103.1	104	104.3	104.6	96.9	
25	104.4	104.3	104.5	104.9	104.9	104.9 ?	103.7	102.1	97	94.1	87.3	82.8	79.8	76.5	78.7	83.3	85.7	89.6	92.3	96.3	98.9	98.3	98.5	101	94.7	
26	102.5	102.3	101.7	101.9	103.3	104.3	104.6	104.2	101.9	98.7	92.6	85.3	77.7	74.7	73.1	73.4	85.6	94.5	95.3	95.3	98.2	99.3	98.3	98.2	94.5	
27	99.6	99.9	100.5	100.5	100.8	100.9	100.7	102.2	104.6	104.1	100.4	97.3	94.9	93.9	95.7	100.1	103.2	104.6	104.8 ?	?	?	104.9 ?	104.6	104.8 ?	101.1 ?	
28	?	104.8	104.6	104	101.7	101.5	100.5	100.5	96.4	91.3	88.1	81.9	75.4	68	59.2	58.2	58.3	54.4	66.2	85.6	94.4	98.1	100	101.8	86.7	
29	102	99.2	98.1	97	97.2	97.1	94.9	88.1	84	77.2	73.6	70.7	72.7	89.5	74.8	72.9	67.3	63.1	75	92	95.2	94.7	97.4	100.7	86.4	
30	103	104.6 ?	?	?	?	?	104.7 ?	99.2	90.6	78.5	74.3	71.4	68.1	63.6	59.1	55.6	57.6	57.5	65	78.3	84.5	87.5	89.2	87.8	79 ?	
31	89	92.7	95.3	96.9	97.8	97.2	94.1	88.4	83.2	77	72.3	73.7	70	66	73.7	79.3	80.5	87.5	85	96.9	104.5	102.8	99.2	98.1	87.5	
Avg	95.4	96.7	97	98	98	98	97.1	94.4	89.7	85.6	81.7	78	76	74	73.8	74.4	76.5	79.5	84.1	88.9	91.8	93.9	95.4	95.7	88.2	
S D	13.6	12.6	12.3	11.1	10.5	10.4	10.4	12.4	16	18.3	18.5	18	19	19.9	20.2	20.6	20.6	18.6	16.4	15	13.7	12.9	13.6	13.9		
S/A	0.14	0.13	0.13	0.11	0.11	0.11	0.11	0.13	0.18	0.21	0.23	0.23	0.24	0.26	0.27	0.27	0.27	0.26	0.22	0.18	0.16	0.15	0.14	0.14	0.16	
Min	55.5	58.8	62.7	65.5	62.7	62.7	62.4	58.3	50.8	45.6	39.4	37.5	38.7	34.7	34.1	33.4	33.4	34.8	38.6	42.9	47.5	52	52.9	52.2	48.8	
Max	104.8	105	104.9	105	105	104.9	104.8	104.7	104.6	104.9	104	103.4	104.9	105	104.8	104.7	104.8	104.9	104.8	104.9	105	104.9	104.9	104.8	104.2	
n	320	328	289	294	290	277	291	326	333	339	348	348	354	350	362	372	372	366	365	360	350	355	354	344	8090	

Data Recovery: 0.0% missing; 9.4% failed QC -- 8928 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

May 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	17.4	17.5	17.5	17.7	17.6	17.5	18	19.5	22.2	24.9	26.5	28.1	28.6	29	29.3	28.1	26.3	24.6	22.9	21.5	20.5	19.9	19.3	19.2	22.2
2	19.2	19.5	19.6	19.4	19.4	19.4	19.4	19.3	19.6	20	20.7	21.9	23.8	26.5	28.4	29.4	28.7	26.3	24.3	22.4	20.7	19.8	19.3	19.2	21.9
3	19.2	19.1	18.7	17.9	17.2	17.4	17.3	16.1	14.7	14.1	13.8	14.6	15.4	15	14.5	14.3	14.7	14.7	13.9	12.9	12.3	11.7	11.2	10.9	15.1
4	10.9	11	10.9	10.6	10.4	10.4	10.6	10.9	11.5	12.2	13.6	15.1	15.9	16.8	17.2	17.6	17.7	17	15.4	12.4	10.2	8.9	8.2	7.4	12.6
5	6.6	6.2	5.7	5.3	5.3	5.7	6.9	9.3	11.7	13.4	15.2	17.4	17.9	18.9	18.2	16.8	15.9	15.6	15.5	15.5	15.5	15.6	15.9	16	12.7
6	16.4	17.1	17.9	18.8	19.5	19.8	19.9	19.6	19.5	20.1	22.7	24.8	26.4	27.5	28.1	27.8	27.3	26.5	25.3	23.9	22.5	21.6	20.8	20	22.2
7	19.5	18.9	18.7	18.8	19.1	18.9	18.7	19.3	21.5	24.1	25.8	26.7	28	29.8	30.6	31.2	31.3	30.3	29	26.7	25	24.2	23.7	23.6	24.3
8	23.8	23.8	23.4	22.9	22.9	23	22.9	23.5	24.1	25.3	26.4	27.9	28.8	29.7	30.9	31.3	31.4	31.1	27.2	23.5	21.3	20.1	19.3	18.7	25.1
9	18.3	18.2	18.1	18.2	17.8	17.2	16.9	17.2	18	19.3	22.4	26.7	30.1	32	32.8	33.6	33.2	27.9	23.8	23.1	23.1	22.9	21.9	20.9	23.1
10	20.4	19.7	19	17.9	17	16.3	16.5	18.6	21.1	23.2	25.2	26.4	27.7	28.4	28.9	29.4	28.6	26.8	24.9	23.4	22.1	21.4	20.9	20.8	22.7
11	21.2	21.5	21.8	21.8	21.8	21.9	22.3	24.4	26.6	28.5	30.2	31.3	31.8	32.1	32	32.4	32.2	31.2	30.2	28.8	27.6	26.6	25.7	24.9	27
12	24.2	23.5	22.6	21.5	20.5	19.6	19.7	21.1	22.7	23.9	24.7	25.4	25.7	26.1	26.7	27.4	27.7	27.3	26	23.7	21.8	20.6	19.2	18.1	23.3
13	17.3	16.4	15.7	15	14.5	14.6	15.5	17.4	19.5	21.4	22.7	23.4	23.8	24.1	24.9	25.1	24.9	24.5	23.5	20.9	18.4	16.5	15.1	14.3	19.6
14	13.7	12.9	12.1	11.4	10.4	9.5	10.8	14.4	18.3	21.4	23.5	24.7	25.3	25.6	26.4	26.9	27	27.2	25.9	22.6	19.7	18.3	17	16.5	19.2
15	16.2	15.9	15.9	16	16	15.9	16.2	17.4	20.5	23.8	25.9	27.3	27.7	27.2	27	26.6	25.5	23.9	22.7	21.6	20.6	19.5	18.8	18.5	21.1
16	18.2	18.1	18	18.1	18.1	18.1	18.1	19.3	21.3	24.1	26.3	27.8	29.1	29.6	29.8	27.1	25.4	23.9	22.2	20.3	18.9	18	17.2	16.8	21.8
17	16.4	16	15.4	15	14.7	14.5	14.2	13.8	14	14.1	14.5	15	15.2	15.3	15.3	15	14.4	13.7	13	12.7	12.6	12.6	12.6	12.6	14.3
18	12.6	12.6	12.7	12.8	12.8	12.7	12.5	12.4	12.3	12.2	12.2	12.4	13	13.2	13.4	13.4	13.1	12.8	12.4	12.2	12	11.8	11.7	11.6	12.5
19	11.6	11.6	11.2	10.8	10.8	11	11.4	12.1	12.9	13.8	14.9	15.7	16.2	17	17	17.5	17.1	17	16.8	15.2	13.6	12.7	12.2	11.8	13.8
20	11.4	10.7	10.4	10.3	10.3	10.4	11.7	14.8	18.3	21.6	24.1	25.6	26.1	26.1	26.4	26.6	25.7	23.7	21.1	18.9	16.9	15.8	15.2	14.7	18.2
21	14.2	13.9	13.7	13.2	13	12.9	14	17.3	21.2	24.3	26.5	27.4	28	28.8	29.6	30.2	30	27.4	24.8	21.4	19.7	19.1	18.9	18.7	21.2
22	18.7	18.6	18.4	18.3	18.2	18	18	18.3	18.5	18.9	19.1	19.3	19.2	19.1	18.8	18.6	18.3	18	17.6	17.2	16.9	16.7	16.6	16.5	18.2
23	16.5	16.6	16.6	16.5	16.3	16.2	16	16.1	16.1	16	16.2	16.5	16.6	16.8	17.1	17.5	17.1	16.8	16.9	16.9	16.8	16.7	16.6	16.4	16.6
24	16.1	16	15.9	15.8	15.8	16	16.3	16.9	17.5	18.9	20.7	22.2	23.5	24.4	25.2	25.1	24.9	23.9	22.6	21	19.2	18.1	17.8	17.8	19.7
25	17.8	17.7	17.5	17.5	17.5	17.5	17.7	18.5	20.6	22.8	24.5	25.9	26.6	27.2	27.7	26.7	25.3	24.2	23.3	21.5	20.3	19.9	19.9	19.7	21.6
26	19.5	19.5	19.6	20	20.5	20.6	20.1	20	20.5	22.2	24.2	26.5	28.2	29	29.3	28.9	27.6	25.4	23.6	22.2	20.6	18.8	17.5	17.2	22.6
27	17	16.5	16.1	15.7	15.3	14.9	14.9	14.9	14.6	14.4	15	17	18.6	19.8	19.9	18.5	16.5	15.2	14.5	14	13.6	13.3	13.2	13	15.7
28	12.8	12.8	12.8	12.8	12.8	12.7	13.2	13.7	14.7	17.7	20.5	21.9	22.8	23.6	24.6	24.8	25.1	24.6	23.9	21.2	18.4	16.8	16.3	16	18.2
29	15.5	15.2	15	14.8	14.6	14.6	15.7	18.2	21	23.7	26	27.1	27.8	23.1	22.3	24.4	25.8	26.3	24.5	22	20	18.8	17.9	17.5	20.5
30	16.5	15.6	14.9	14.4	14	13.8	14.4	16.2	19.4	22.5	25	26.4	26.8	27.3	27.8	28.2	28.8	28.3	27.1	24.3	21.5	20	19.3	18.7	21.3
31	18.5	18.5	18.2	17.6	17.2	17.1	18.2	20.6	23.5	25.4	25.9	26	25.3	26.3	26.4	25.3	24.3	22.8	21.9	21.5	19.2	17.7	17	16.6	21.3
Avg	16.7	16.5	16.3	16	15.8	15.7	16.1	17.1	18.6	20.3	21.8	23	23.9	24.4	24.7	24.7	24.3	23.2	21.8	20.2	18.8	17.9	17.3	16.9	19.7
S D	3.8	3.8	3.8	3.8	3.9	3.9	3.6	3.4	3.8	4.5	4.9	5.1	5.3	5.4	5.7	5.8	5.8	5.4	4.9	4.3	4	3.9	3.7	3.7	3.9
S/A	0.23	0.23	0.24	0.24	0.24	0.25	0.22	0.2	0.21	0.22	0.23	0.22	0.22	0.22	0.23	0.23	0.24	0.23	0.21	0.21	0.22	0.22	0.22	0.22	0.2
Min	6.6	6.2	5.7	5.3	5.3	5.7	6.9	9.3	11.5	12.2	12.2	12.4	13	13.2	13.4	13.4	13.1	12.8	12.4	12.2	10.2	8.9	8.2	7.4	12.5
Max	24.2	23.8	23.4	22.9	22.9	23	22.9	24.4	26.6	28.5	30.2	31.3	31.8	32.1	32.8	33.6	33.2	31.2	30.2	28.8	27.6	26.6	25.7	24.9	27
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

May 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	0.8	0.7	0.9	0.1	0.1	0.6	0.8	1.8	2.5	3.4	3.1	3.5	3.4	3.8	4	3.6	3.7	3.3	2.8	2.9	2.2	0.9	1.2	1.5	2.1
2	1.3	2.1	1.6	1	0.7	1	1.9	0.6	0.3	0.7	0.9	0.7	1.3	2.1	1.3	2	2.2	2.6	2.3	1.8	1.5	1.5	1.3	1.6	1.4
3	4.3	2.1	0.4	0.8	2.4	5.1	5.8	2.4	4.7	4.7	4.9	3.9	4.1	3.7	4.1	3.2	3.1	2.9	2.9	2.9	3.4	3.1	2.9	2.7	3.4
4	1.8	1.5	0.4	1.4	1.6	0.7	1.6	1.7	2.3	3.2	4.2	4	4.1	4.4	4.5	4.8	3.7	3.3	2.6	2	1.6	1.6	1.1	0.5	2.4
5	0.5	0.6	0.2	0.2	0.5	0.2	0.7	2.1	2.6	2.7	1.9	1.8	2	2.2	1.7	3.8	4.2	3.8	3.2	2.7	2.5	1.9	1.9	1.8	1.9
6	1	0.5	1.7	2.6	2.1	3	3.8	2.7	0.5	1.7	3.7	4.7	4.6	4.5	2.7	2.3	2.5	1.7	0.4	0.3	0.8	0.8	0.3	0.3	2.1
7	0.1	0.1	0.6	1.3	0.6	0.1	0	0.7	2.4	2.8	2.6	3.3	2.1	2	2.7	3.2	2.4	2.3	2.8	1.6	1.5	1.9	2.5	3.5	1.8
8	3.4	2.6	2.7	4.1	4	3.4	3.2	4	3.4	4.1	4.3	4.6	4.9	3.9	3.8	3.2	2.6	3.4	2.4	1.9	1.9	1.9	1.5	0.9	3.2
9	1.3	1.6	1.6	2	2	2	2.2	2.6	1.7	1.4	0.8	1.2	0.7	1.9	2.6	2.8	3	3.5	3.3	2.6	3.1	1.9	0.7	1	2
10	1.5	2	2.9	2.2	2	1.5	0.5	1	1.3	1	2.5	3	2.7	3.2	3	2.5	2.4	1.5	2	2.1	0.3	0.6	1.4	2	1.9
11	1.3	1.9	1.7	1.9	2.2	1.7	1.7	3	4.1	3.6	3.9	5.1	4.9	4.6	4.2	5.1	4.9	4	4.5	4.5	4.4	4.5	4.4	4.9	3.6
12	5.2	4.7	4.2	3.9	3.6	3	3.3	4.4	5.8	6.6	6.2	6.2	6.3	6.1	6.2	5.7	4.7	5.3	3.7	2.5	2.5	1.5	1.7	2.3	4.4
13	2	2.7	2.4	2.9	3.3	3.5	4	4.8	4.7	5	5.9	5.5	5.6	5.5	5.2	4.9	4.3	4.1	2	1.4	1.3	1	1.4	1.2	3.5
14	1.3	0.9	0.9	0.6	0.7	0.9	0.9	1.2	1.9	2.4	3.3	3	3.5	3.8	4	3.9	3.1	2.7	0.9	0.5	1.7	0.9	1.3	1.3	1.9
15	1.3	1.2	1.2	1.1	0.8	0.9	1.2	2	1.9	3.3	2.9	3.5	3.9	3.5	3.9	3.8	3.3	2.5	2.4	2.4	1.6	1.1	1	1.1	2.2
16	1.1	0.3	1.6	1.4	0.2	0.3	0	0.6	1.5	1.6	1.3	1.3	1.1	1.4	3	3.7	3.4	3	3.1	2.4	2.9	3.5	2.7	2.9	1.9
17	3.1	3.7	2.7	3.1	3	3.9	3.8	4	3.8	4.1	4.3	4.1	3.8	3.7	3.8	3.5	3.6	3.6	3.1	3.4	2.9	3.3	3.1	2.8	3.5
18	3.1	3.4	3	3	3.1	3	3	3.1	3.2	3.6	3.2	2.6	3	2.5	2.8	3	3	2.4	2.3	2.7	2.5	2.4	2.4	2.1	2.9
19	1.8	2.7	1.9	1	2	1.6	2	3.3	2.8	2.8	3.7	4.2	4	4.4	5	6	4.6	4.3	4	2.6	1.2	1.1	1.7	1.7	2.9
20	0.6	0.8	1.4	1.8	1.4	1.2	1.5	2.2	3.1	2.9	2.6	2.9	3.3	3.3	3.4	3.3	2.7	2.3	1.5	1.7	1.6	1.3	1	0.7	2
21	0.3	0.6	0.1	0.1	0.1	0	0.7	1.6	2.4	3.2	3.4	3.4	2.9	3	3	3.3	2.7	1.3	2.3	1.8	0.6	0.3	0	0.2	1.6
22	0.1	0.2	0	0.2	0.2	0.4	0.4	0.1	0.3	0.6	0.7	0.5	1.4	1.3	1	0.9	1.7	1.9	2.1	2.1	2.4	2.8	2.7	2.7	1.1
23	2.4	1.8	1.7	1.7	1.3	2	1.9	2	3	2.7	2.4	2.9	2.9	2.8	3.3	3.7	3.4	3.4	4.5	4.4	4.1	2.5	2.7	3	2.8
24	2.4	1.3	1.6	1.7	1.4	1.4	1.1	1.5	1.2	1	0.8	0.6	1.2	0.7	0.4	0.8	1.4	1.8	0.7	1.6	2.5	2	2.2	1.7	1.4
25	0.4	0	0.1	0.2	0.1	0	0.3	1.3	2.4	3.1	2.7	3.2	2.6	3.3	3.9	3.7	4.6	4.5	2.7	0.9	0.9	1.5	1.7	0.9	1.9
26	1.4	1.7	2.6	2.8	2.9	3.5	1.8	2	2	3.1	3.3	3.1	2.9	2.6	2.1	1.7	2.2	2.1	2.5	3.3	3.8	3	2.7	2.8	2.6
27	3.2	2.7	2.4	3.5	3.3	3.7	3.8	2.8	2.9	2.4	4.2	3.6	3.7	3.1	3.4	2.8	2.6	2.4	3	3.2	2.2	1.4	0.4	0.5	2.8
28	1.1	0.2	0.1	0.7	0.7	0.3	1.3	2.2	2.2	2	2.8	3.8	3.9	4.9	5.2	3.5	3.1	3.2	1.2	1.2	0.9	1.7	1.7	0.5	2
29	0.6	1.1	1.1	1.1	1.1	1.3	1.4	0.9	1.3	1.9	2.8	3	3.6	3.6	2.2	3.1	3.4	3.8	2	0.7	0.7	0.5	0.5	0.8	1.8
30	0.8	0.5	0.4	0.5	0.6	1.1	1.3	0.9	1.3	1.2	1.7	2.5	2.8	3	2.2	1.8	2.8	2.2	0.8	0.2	0.5	0.9	0.9	0.9	1.3
31	1.4	1.2	1	1.2	1.4	1.4	1.7	2.2	2.7	2.7	3.5	3.7	4.8	5.4	5.5	6.1	6.1	4.2	4.9	5.1	1.7	1.9	3.2	3.8	3.2
Avg	1.6	1.5	1.4	1.6	1.6	1.7	1.9	2.1	2.5	2.8	3.1	3.2	3.3	3.4	3.4	3.4	3.3	3	2.5	2.2	2	1.8	1.7	1.8	2.4
SD	1.2	1.1	1	1.1	1.2	1.4	1.4	1.2	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.3	1	1	1.1	1.2	1.1	1	1.1	1.1	0.8
S/A	0.75	0.75	0.72	0.71	0.73	0.81	0.73	0.55	0.52	0.48	0.45	0.44	0.41	0.38	0.4	0.38	0.31	0.32	0.43	0.53	0.54	0.55	0.57	0.65	0.34
Min	0.1	0	0	0.1	0.1	0	0	0.1	0.3	0.6	0.7	0.5	0.7	0.7	0.4	0.8	1.4	1.3	0.4	0.2	0.3	0.3	0	0.2	1.1
Max	5.2	4.7	4.2	4.1	4	5.1	5.8	4.8	5.8	6.6	6.2	6.2	6.3	6.1	6.2	6.1	6.1	5.3	4.9	5.1	4.4	4.5	4.4	4.9	4.4
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

May 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	310	324	339	340	330	344	356	33	27	12	8	7	16	359	2	347	343	345	340	332	326	307	293	304	352
2	301	302	307	286	275	245	263	279	128	129	166	153	172	165	183	253	304	329	303	315	318	297	295	257	279
3	209	79	190	210	176	198	203	193	238	217	205	207	209	216	212	206	212	210	200	229	227	228	219	222	210
4	234	217	187	206	229	155	171	188	185	182	198	211	216	216	221	221	205	219	217	200	195	179	179	179	206
5	190	111	128	110	152	139	219	254	288	277	281	347	309	343	306	286	290	298	297	302	299	300	318	323	296
6	13	358	14	14	36	19	23	24	12	40	80	84	83	99	90	84	55	50	82	4	340	6	58	53	54
7	21	76	70	68	91	175	69	85	75	64	76	61	53	13	358	22	358	33	49	34	29	25	38	55	43
8	61	62	52	57	74	85	88	86	87	73	80	84	92	88	93	106	122	206	238	237	264	270	274	293	86
9	284	258	251	241	240	240	261	279	295	289	318	315	75	34	93	111	197	263	17	72	72	91	195	242	272
10	258	261	246	248	243	247	244	283	301	258	262	278	269	272	268	288	299	323	309	309	319	61	30	31	279
11	59	57	57	56	56	55	33	56	80	73	71	73	64	53	48	58	67	48	53	53	56	57	59	61	60
12	65	69	70	65	68	73	72	87	102	94	94	87	84	85	79	89	87	93	85	96	118	110	85	94	85
13	87	97	97	98	93	90	90	99	111	111	103	100	94	110	109	107	113	108	125	122	96	96	94	89	102
14	118	108	122	110	87	78	82	86	95	73	74	72	76	71	68	79	84	74	73	3	353	345	24	28	73
15	25	2	356	13	14	347	325	345	343	356	8	346	339	333	336	346	350	340	332	354	7	335	313	288	346
16	291	331	287	286	322	236	210	116	134	141	119	171	223	205	260	269	243	240	230	202	201	188	184	192	219
17	189	182	189	204	192	198	192	216	216	225	226	223	231	225	222	222	220	219	225	236	227	232	227	230	216
18	230	235	233	229	228	235	241	232	229	232	229	247	241	239	234	240	239	236	233	230	229	222	222	222	233
19	209	205	203	185	189	192	203	215	201	207	218	222	226	220	214	226	214	211	210	202	214	204	198	201	212
20	189	177	194	193	196	207	210	232	251	250	251	251	247	278	268	269	265	254	253	258	270	282	303	332	250
21	334	325	317	340	331	341	9	25	51	67	53	45	32	26	12	2	340	331	54	91	127	317	93	243	31
22	182	118	181	176	155	256	169	196	197	232	235	211	183	222	198	228	238	237	243	249	245	254	250	248	235
23	248	242	248	240	238	234	221	231	240	238	237	242	242	244	261	265	245	243	249	246	231	213	198	185	238
24	173	155	152	141	152	151	137	146	153	143	153	142	77	66	78	59	84	68	68	271	297	296	327	331	136
25	315	330	31	346	296	301	283	267	287	270	286	279	282	266	281	292	297	304	304	301	277	297	305	289	288
26	291	298	309	337	1	60	53	45	47	73	84	83	95	84	104	125	246	272	263	256	253	262	262	254	348
27	261	262	247	250	254	255	249	244	253	248	247	249	251	244	242	236	233	218	188	181	206	227	210	145	240
28	142	132	142	127	125	106	105	95	84	40	61	76	69	76	95	111	109	118	195	298	312	321	322	328	85
29	23	31	37	36	36	36	89	93	46	38	12	17	14	50	28	40	82	104	138	164	197	177	104	104	53
30	107	93	99	106	106	99	108	140	110	115	114	92	91	82	92	106	91	98	74	1	37	37	37	32	92
31	28	30	29	27	24	27	18	16	26	34	31	33	32	30	32	25	27	11	13	83	60	75	108	105	37
Avg	214	171	246	159	142	158	164	133	133	105	104	77	76	68	59	348	271	262	269	252	257	258	257	221	221
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

May 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	1.5	1.1	1.6	0.5	0.2	1.2	1.9	3.3	4.4	5.3	5	5.3	5.4	6.2	6.3	5.5	5.6	5.2	4.1	4.2	3.5	1.7	1.7	2.3	3.5
2	2.1	3.1	2.7	1.9	1.4	1.8	2.9	1.2	1	1.8	2.1	1.9	2.7	4.1	2.8	3.2	3.1	3.8	3.3	2.7	2.1	2.2	2	2.7	2.4
3	6.5	3.8	0.9	1.8	4.1	8.4	9.7	4.5	7.4	7.5	8.7	6.6	6.5	6.1	7	5.5	5.1	5.4	4.8	4.7	5.4	5.1	5	4.5	5.6
4	3.5	3	1.3	2.9	3	1.9	3.2	3.6	4.2	5.4	6.7	6.5	6.6	7	7.3	7	6.3	5.4	4.6	3.5	3.3	2.8	2	1.2	4.3
5	1.1	1.2	0.7	0.8	1	0.6	1.6	3.3	3.8	4.2	3.3	3.3	3.4	3.5	2.8	5.8	6.4	5.6	4.7	3.9	3.6	3.4	2.7	2.6	3
6	2.2	1.6	3.4	4.5	3.7	5.2	5.9	4.9	1.4	3	5.9	7.3	7.1	7.7	4.5	4	3.9	3.1	1.1	0.8	1.3	1.7	0.7	0.8	3.6
7	0.3	0.4	1.2	2.4	1.2	0.2	0.3	1.5	3.9	4.6	4.2	5.1	3.8	3.6	4.6	5	3.7	3.9	4.3	2.7	2.5	2.9	3.6	4.9	2.9
8	5.1	3.8	4.2	6.4	6.4	5.4	5.4	6.1	5.4	6.8	6.4	7.1	7.9	6.6	6.4	5.5	5	5.7	3.5	2.9	3.2	2.8	2.3	1.5	5.1
9	1.8	2.4	2.6	3	3	3	3.5	3.9	2.6	2.3	1.8	2.5	2	3.4	4.6	4.7	5	5.3	5	4	4.8	3.4	1.4	1.7	3.2
10	2.4	3.3	4.4	3.4	3.4	2.7	1.3	1.9	2.3	1.8	3.7	4.4	4.3	4.5	4.2	3.6	3.5	2.3	2.7	3.4	1	1.4	2.3	2.9	3
11	1.9	3	2.7	2.9	3.3	2.6	2.8	4.6	6.3	5.5	6.2	8.3	8	7.2	6.7	8.7	7.6	6.3	7	6.8	7.2	7.2	6.5	7.5	5.7
12	8.1	7.1	6.5	5.9	5.4	4.4	5.1	7.2	9.3	10.7	9.8	9.6	10.5	9.6	9.8	9.2	8.3	8.3	5.8	3.9	4.5	2.7	2.5	3.8	7
13	2.9	4.4	3.7	4.4	5.1	5.4	6.5	7.8	8.2	8.5	9.8	9.1	9.3	9.5	9.2	8.8	8.2	7.4	4	2.8	2	1.7	2.1	1.9	6
14	2.4	1.7	2	1.5	1.3	1.5	1.8	2.1	3.2	4	5.7	5.1	5.8	6.6	6.2	6.2	5.2	4.4	1.6	1	2.6	1.8	2.1	2.1	3.2
15	2.2	2	1.9	1.9	1.4	1.4	1.8	3	3.1	5.4	4.8	5.7	6.3	5.1	6	5.8	5.4	3.9	3.6	3.7	2.7	1.9	1.7	1.8	3.4
16	2	0.7	2.6	2.3	0.7	1.1	0.2	1.6	3.1	3.2	2.8	2.7	2.3	2.6	4.9	5.5	5.4	4.8	4.8	4	4.8	5.5	4.7	4.8	3.2
17	4.9	5.7	4.6	5.5	4.7	6.2	6.1	6.7	6.6	6.8	7.3	6.8	6.1	5.9	6.3	5.5	6.3	6	5.4	5.4	5.3	5.2	5.3	4.7	5.8
18	5.4	5.9	5.2	5.1	5	5.1	5	5.3	5.4	5.6	5.5	4.2	5.1	4.4	4.8	4.9	5	4.4	4.3	4.7	4.7	4.5	4.7	4.1	4.9
19	4	5	3.8	2.4	3.8	3.3	3.8	5.9	4.7	5.4	6.3	6.8	6.6	7.4	7.9	9.8	7.6	7.4	6.8	4.8	2.8	2.7	3.3	3.3	5.2
20	1.7	1.8	2.7	3.3	3	2.5	3	3.7	4.9	4.6	4	4.3	5.1	4.9	4.9	4.8	4	3.4	2.3	2.5	2.5	2.2	1.9	1.2	3.3
21	0.6	1	0.2	0.4	0.3	0.2	1.3	2.7	3.8	5.3	5.4	5.4	4.5	4.9	5.5	4.9	4.2	2.2	3.8	2.9	1.3	0.8	0.1	0.5	2.6
22	0.5	0.6	0.2	0.8	0.8	0.9	1.2	0.5	1	1.5	1.7	1.5	2.7	2.6	2.5	2.1	3.1	3.3	3.7	3.6	4.1	4.3	4.6	4.3	2.2
23	4.1	3.3	3.6	3.2	2.7	3.5	3.4	3.8	4.8	4.4	3.9	4.8	4.8	5	5.2	6	5.4	5.9	7.3	7	6.8	4.7	5	5.1	4.7
24	4.5	3.2	3.7	3.8	3.5	3.5	3	3.2	2.9	2.6	2.3	1.6	2.4	1.5	1	1.7	2.5	2.9	1.4	2.5	3.9	3.1	3.7	2.7	2.8
25	1.3	0.1	0.4	0.9	0.5	0.1	0.8	2.3	3.7	4.5	4.3	4.6	4	4.6	5.9	5.5	6.5	6.3	3.9	1.7	1.6	2.3	2.6	1.6	2.9
26	2.2	2.6	4	4.4	4.6	5.4	3	3.3	3.5	4.9	5.6	4.8	4.7	4.6	3.7	3.4	3.3	3.1	3.6	4.8	5.6	4.4	4	4.4	4.1
27	4.8	4.2	4.1	5.6	5	5.6	5.7	4.6	4.7	4	6.2	5.6	5.5	4.8	5.2	4.5	4.2	4.2	5.1	5.3	4.2	2.9	1.5	1.4	4.5
28	3	1	0.8	2	2.1	1	2.6	4.2	4	3.5	4.7	5.7	6.1	7.7	8.5	6.9	5.8	5.6	2.2	1.9	1.4	2.4	2.5	1.1	3.6
29	1.2	1.8	1.9	1.9	1.9	2.2	3.1	2.2	2.5	3.1	4.7	5	6.3	6.1	3.8	5.2	5.5	6.4	3.7	1.5	1.3	1.1	1.1	1.7	3.1
30	1.7	1.1	1.2	1.2	1.5	2	2.4	2.3	2.7	2.8	3.4	4.6	5.1	5	3.8	3.3	4.5	3.6	1.5	0.6	0.9	1.7	1.4	1.6	2.5
31	2.5	2.3	1.8	2	2.5	2.4	3	3.7	4.2	4.3	6	5.9	7.6	8.3	8.8	9.7	10	7.2	8.3	8.2	2.7	3	5.1	5.9	5.2
Avg	2.8	2.6	2.6	2.9	2.8	2.9	3.3	3.7	4.2	4.6	5.1	5.2	5.4	5.5	5.5	5.6	5.4	4.9	4.1	3.6	3.3	3	2.9	2.9	4
SD	1.8	1.7	1.6	1.7	1.7	2.1	2.1	1.8	1.9	2	2.1	2	2	2	2	2	1.7	1.6	1.8	1.8	1.7	1.5	1.6	1.7	1.3
S/A	0.64	0.66	0.62	0.59	0.61	0.71	0.64	0.48	0.47	0.44	0.41	0.38	0.38	0.35	0.37	0.37	0.32	0.32	0.42	0.49	0.51	0.49	0.54	0.58	0.32
Min	0.3	0.1	0.2	0.4	0.2	0.1	0.2	0.5	1	1.5	1.7	1.5	2	1.5	1	1.7	2.5	2.2	1.1	0.6	0.9	0.8	0.1	0.5	2.2
Max	8.1	7.1	6.5	6.4	6.4	8.4	9.7	7.8	9.3	10.7	9.8	9.6	10.5	9.6	9.8	9.8	10	8.3	8.3	8.2	7.2	7.2	6.5	7.5	7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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

May 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	1017	1016	1016	1016	1016	1017	1017	1017	1018	1018	1017	1017	1016	1015	1015	1014	1014	1013	1013	1013	1013	1013	1012	1012	1015
2	1011	1010	1009	1009	1008	1008	1008	1008	1007	1007	1007	1006	1006	1005	1005	1004	1004	1004	1005	1005	1006	1006	1006	1006	1007
3	1007	1007	1006	1006	1007	1007	1009	1012	1011	1012	1013	1013	1014	1014	1014	1015	1015	1015	1015	1015	1016	1016	1016	1016	1012
4	1016	1016	1016	1016	1015	1016	1017	1017	1017	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018
5	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1016	1016	1015	1015	1016	1015	1014	1013	1013	1017
6	1013	1013	1012	1012	1012	1013	1012	1013	1013	1013	1013	1012	1012	1012	1012	1012	1012	1011	1012	1012	1012	1012	1012	1012	1012
7	1012	1011	1011	1011	1011	1012	1013	1014	1014	1013	1014	1013	1012	1011	1011	1010	1010	1010	1010	1010	1010	1010	1010	1010	1012
8	1010	1010	1009	1009	1010	1010	1010	1011	1011	1011	1011	1011	1010	1010	1010	1010	1011	1012	1012	1013	1013	1013	1013	1013	1011
9	1013	1013	1013	1013	1013	1013	1013	1012	1012	1013	1012	1012	1011	1011	1010	1010	1011	1010	1008	1009	1010	1011	1011	1012	1011
10	1011	1011	1011	1011	1011	1012	1012	1012	1012	1013	1012	1012	1012	1012	1011	1010	1010	1010	1010	1009	1009	1009	1008	1007	1011
11	1007	1007	1007	1007	1007	1007	1007	1007	1007	1008	1007	1007	1006	1005	1005	1003	1003	1003	1002	1002	1003	1003	1003	1003	1005
12	1003	1003	1003	1003	1003	1004	1005	1005	1005	1005	1005	1005	1005	1004	1004	1003	1003	1003	1004	1004	1005	1006	1007	1007	1005
13	1007	1007	1007	1007	1007	1008	1008	1009	1009	1009	1009	1009	1008	1008	1007	1007	1007	1008	1008	1009	1010	1010	1011	1011	1008
14	1011	1011	1011	1011	1012	1013	1013	1013	1013	1013	1013	1012	1012	1012	1011	1011	1011	1011	1012	1013	1013	1013	1013	1013	1012
15	1013	1013	1013	1013	1014	1014	1015	1015	1015	1016	1016	1015	1015	1014	1014	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014
16	1013	1013	1013	1013	1013	1013	1013	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1017	1017	1018	1018	1018	1015
17	1018	1018	1018	1018	1019	1020	1021	1021	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1021
18	1021	1021	1021	1021	1021	1021	1022	1022	1023	1023	1023	1022	1022	1022	1022	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022
19	1022	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
20	1022	1022	1022	1022	1021	1022	1022	1022	1023	1023	1023	1023	1023	1023	1022	1021	1021	1021	1021	1020	1021	1021	1020	1020	1022
21	1019	1019	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1017	1017	1016	1016	1016	1017	1017	1017	1017	1017	1017	1018
22	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018
23	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1016	1015	1014	1014	1013	1013	1012	1011	1011	1011	1010	1010	1009	1014
24	1009	1010	1010	1010	1010	1011	1011	1012	1012	1013	1013	1013	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1012
25	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1012	1012	1012	1012	1012	1012	1011	1011	1013
26	1010	1010	1009	1008	1008	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	1012	1012	1013	1013	1014	1010
27	1014	1014	1013	1013	1013	1014	1014	1015	1014	1014	1014	1014	1013	1012	1012	1012	1012	1012	1012	1013	1013	1013	1012	1012	1013
28	1012	1012	1012	1011	1011	1012	1012	1012	1011	1011	1011	1011	1010	1009	1008	1008	1008	1008	1008	1008	1008	1008	1008	1008	1010
29	1007	1006	1006	1005	1005	1005	1005	1005	1005	1005	1004	1004	1003	1002	1001	1000	1000	1000	1000	1001	1001	1002	1002	1001	1003
30	1001	1001	1001	1001	1002	1002	1003	1003	1004	1003	1004	1004	1004	1003	1003	1003	1003	1004	1004	1004	1004	1005	1005	1005	1003
31	1005	1004	1004	1004	1004	1004	1004	1003	1004	1004	1003	1002	1000	999	998	997	996	995	994	994	994	994	994	994	1000
Avg	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1013	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012
S/D	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	6	6	6	6	6	6
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Min	1001	1001	1001	1001	1002	1002	1003	1003	1004	1003	1003	1002	1000	999	998	997	996	995	994	994	994	994	994	994	1000
Max	1022	1022	1022	1022	1021	1022	1022	1023	1023	1023	1023	1023	1023	1023	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 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