

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

**March 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	0	7	59	128	434	618	662	714	687	562	278	158	41	0	0	0	0	0	0	4347
2	0	0	0	0	0	0	2	28	76	159	274	222	236	344	207	208	215	34	0	0	0	0	0	0	2004
3	0	0	0	0	0	0	18	138	329	503	667	754	745	452	592	438	224	54	0	0	0	0	0	0	4916
4	0	0	0	0	0	0	8	128	340	525	664	717	676	624	481	381	137	36	0	0	0	0	0	0	4717
5	0	0	0	0	0	0	2	18	58 ?	134	454	665	599	683	548	325	203	36	0	0	0	0	0	0	3726
6	0	0	0	0	0	0	1	8 ?	43 ?	85	174	300	268	140	194	146	77	18	0	0	0	0	0	0	1453 ?
7	0	0	0	0	0	0	7	25	33	47	75 ?	113 ?	90	54 ?	62 ?	42 ?	34	10	0	0	0	0	0	0	591 ?
8	0	0	0	0	0	0	20	116	342 ?	538	697	769	796	741	620	450	183	57	0	0	0	0	0	0	5327
9	0	0	0	0	0	0	21	123	333	538	671	751	765	719	615	430	251	58	0	0	0	0	0	0	5273
10	0	0	0	0	0	0	23	156	363	542	687	764	728	685	616	452	249	62	4	0	0	0	0	0	5331
11	0	0	0	0	0	0	13	76	94	147	357	147	68	246	147	89	89	14	3	0	0	0	0	0	1489
12	0	0	0	0	0	0	11	59	136	235	466	765	795	738	618	451	251	60	0	0	0	0	0	0	4586
13	0	0	0	0	0	0	26	122	301	380	364	501	686	597	411	411	164	55	3	0	0	0	0	0	4021
14	0	0	0	0	0	0	5	46	172	518	494	813	802	744	657	409	260	65	6	0	0	0	0	0	4991
15	0	0	0	0	0	0	16	103	280	379	486	374	368	272	226	94	57	18	1	0	0	0	0	0	2676
16	0	0	0	0	0	0	3	16 ?	?	52	167	261	143	378	229	188	91	13	4	0	0	0	0	0	1545 ?
17	0	0	0	0	0	0	17	64	107	150	295	292	206	158	107	114	57	17	0	0	0	0	0	0	1586
18	0	0	0	0	0	0	9	39	66	160	226	249	246	275	363	261	142	57	3	0	0	0	0	0	2096
19	0	0	0	0	0	0	42	107	101	143	224	313	416	415	255	218	134	56	5	0	0	0	0	0	2428
20	0	0	0	0	0	0	21	73	65	80	97	137	?	89 ?	96	63	59	14	16	0	0	0	0	0	810 ?
21	0	0	0	0	0	0	8	25 ?	76 ?	127	513	425	237	135 ?	307	215	115 ?	70	15	0	0	0	0	0	2269 ?
22	0	0	0	0	0	0	45	203	407	589	729	811	823	766	637	233	160	78	6	0	0	0	0	0	5486
23	0	0	0	0	0	0	36	220	442	565	569	632	613	422	338	291	182	100	4	0	0	0	0	0	4414
24	0	0	0	0	0	0	42	222	424	604	746	829	841	781	670	500	299	95	8	0	0	0	0	0	6060
25	0	0	0	0	0	0	43	259 ?	419	622	760	839	847	789	673	500	301	99	9	0	0	0	0	0	6161
26	0	0	0	0	0	0	45	198	380	598	744	811	811	745	620	467	270	87	7	0	0	0	0	0	5783
27	0	0	0	0	0	0	14	108	351	566	731	845	725	633	534	331	171	58	20	0	0	0	0	0	5086
28	0	0	0	0	0	1	43	232	438	614	698	796	857	502	582	500	291	127	13	0	0	0	0	0	5693
29	0	0	0	0	0	3	45	235	446	612	465	446	268	577	614	290	175	43	5	0	0	0	0	0	4224
30	0	0	0	0	0	0	8	29 ?	58 ?	85	109 ?	123	91 ?	62 ?	56 ?	?	48	11	2	0	0	0	0	0	682 ?
31	0	0	0	0	0	2	73	286	473	635	836	893	910	814	698	511	227	115	15	0	0	0	0	0	6489
Avg	0	0	0	0	0	0	22	114	243	367	486	549	546	492	430	310	170	54	5	0	0	0	0	0	3750
S D	0	0	0	0	0	1	18	82	156	221	232	268	286	253	216	148	81	32	6	0	0	0	0	0	1854
S/A	0	0	0	0	0	3.17	0.82	0.72	0.64	0.6	0.48	0.49	0.52	0.51	0.5	0.48	0.47	0.6	1.18	0	0	0	0	0	0.49
Min	0	0	0	0	0	0	1	8	33	47	75	113	68	54	56	42	34	10	0	0	0	0	0	0	591
Max	0	0	0	0	0	3	73	286	473	635	836	893	910	814	698	511	301	127	20	0	0	0	0	0	6489
n	0	0	0	0	0	5	282	338	330	366	358	365	349	346	359	355	367	365	58	0	0	0	0	0	4244

Daylight Data Recovery: 0.0% missing; 4.3% exceed the 15% QC threshold -- 4435 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 25823F3    Calibration Factor: 9.830 μV/W/m<sup>2</sup>    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**

**March 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	0	0	0	1	336	613	569	680	711	624	244	224	114	0	0	0	0	0	0	4116
2	0	0	0	0	0	0	0	0	0	1	3	1	1	11	5	67	382	80	0	0	0	0	0	0	552
3	0	0	0	0	0	0	85	349	555	688	817	864	763	55	780	804	595	238	0	0	0	0	0	0	6593
4	0	0	0	0	0	0	14	471	728	823	856	690	510	556	373	412	7	21	0	0	0	0	0	0	5460
5	0	0	0	0	0	0	0	0	0	2	183	423	312	619	646	258	249	21	0	0	0	0	0	0	2713
6	0	0	0	0	0	0	0	0	0	0	1	7	11	1	2	2	0	0	0	0	0	0	0	0	25
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	109	468	?	814	868	836	876	868	851	723	182	122	0	0	0	0	0	0	6717
9	0	0	0	0	0	0	14	182	438	715	794	797	797	810	843	715	694	360	2	0	0	0	0	0	7160
10	0	0	0	0	0	0	78	433	634	709	761	773	631	648	758	719	569	236	1	0	0	0	0	0	6949
11	0	0	0	0	0	0	0	2	0	1	30	2	0	23	1	1	1	0	0	0	0	0	0	0	60
12	0	0	0	0	0	0	0	0	1	2	63	670	842	824	793	753	621	302	12	0	0	0	0	0	4882
13	0	0	0	0	0	0	12	146	307	114	29	129	503	437	210	511	179	50	2	0	0	0	0	0	2628
14	0	0	0	0	0	0	0	0	31	302	198	816	735	736	765	445	333	62	0	0	0	0	0	0	4422
15	0	0	0	0	0	0	0	20	192	86	152	5	3	1	1	0	0	0	0	0	0	0	0	0	460
16	0	0	0	0	0	0	0	0	0	0	12	41	3	10	2	1	0	0	0	0	0	0	0	0	70
17	0	0	0	0	0	0	0	0	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	10
18	0	0	0	0	0	0	0	0	0	1	1	1	1	2	5	3	1	51	0	0	0	0	0	0	64
19	0	0	0	0	0	0	54	46	0	0	1	2	14	19	2	6	3	0	0	0	0	0	0	0	148
20	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
21	0	0	0	0	0	0	0	0	1	1	186	75	11	1	139	97	11	131	47	0	0	0	0	0	699
22	0	0	0	0	0	0	171	498	654	739	777	798	803	780	687	107	136	250	3	0	0	0	0	0	6404
23	0	0	0	0	0	0	156	520	732	693	342	304	232	45	27	54	65	250	0	0	0	0	0	0	3422
24	0	0	0	0	0	0	167	544	680	754	801	828	834	813	792	764	671	417	82	0	0	0	0	0	8147
25	0	0	0	0	0	0	152	629 ?	722	793	826	844	849	842	824	780	682	437	70	0	0	0	0	0	8449
26	0	0	0	0	0	0	143	361	503	710	767	765	738	697	621	621	465	237	6	0	0	0	0	0	6636
27	0	0	0	0	0	0	0	18	317	519	676	758	483	294	252	86	12	17	46	0	0	0	0	0	3477
28	0	0	0	0	0	0	89	482	668	661	549	742	691	222	574	725	561	309	23	0	0	0	0	0	6295
29	0	0	0	0	0	0	64	429	610	511	54	6	0	239	483	70	49	6	0	0	0	0	0	0	2521
30	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
31	0	0	0	0	0	0	363	698	690	673	827	867	911	850	815	649	270	353	132	0	0	0	0	0	8099
Avg	0	0	0	0	0	0	54	203	282	344	361	407	395	358	383	310	225	131	14	0	0	0	0	0	3458
S/D	0	0	0	0	0	0	83	243	309	344	361	376	369	358	353	322	256	145	31	0	0	0	0	0	3061
S/A	0	0	0	0	0	5.57	1.54	1.2	1.1	1	1	0.93	0.93	1	0.92	1.04	1.14	1.1	2.23	0	0	0	0	0	0.89
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	1
Max	0	0	0	0	0	0	363	698	732	823	868	867	911	868	851	804	694	437	132	0	0	0	0	0	8449
n	0	0	0	0	0	5	282	367	360	372	372	372	372	372	372	372	372	369	58	0	0	0	0	0	4418

Daylight Data Recovery: 0.0% missing; 0.4% exceed the 15% QC threshold -- 4435 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**

**March 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	0	9	61	132	227	198	217	181	163	155	152	104	27	0	0	0	0	0	0	1627
2	0	0	0	0	0	0	2	29	80	166	281	234	249	342	211	181	107	25	0	0	0	0	0	0	1907
3	0	0	0	0	0	0	16	77	118	120	111	104	149	388	115	69	54	27	0	0	0	0	0	0	1349
4	0	0	0	0	0	0	7	39	62	72	81	173	254	206	226	171	134	33	0	0	0	0	0	0	1457
5	0	0	0	0	0	0	2	19	53	136	294	327	324	216	133	181	127	32	0	0	0	0	0	0	1844
6	0	0	0	0	0	0	1	12	30	90	183	306	267	147	200	150	80	18	0	0	0	0	0	0	1484
7	0	0	0	0	0	0	8	26	33	47	61	90	95	54	53	41	36	10	0	0	0	0	0	0	553
8	0	0	0	0	0	0	17	47	67	75	82	108	99	96	82	100	117	41	0	0	0	0	0	0	931
9	0	0	0	0	0	0	19	80	148	119	107	125	128	110	76	80	43	18	0	0	0	0	0	0	1051
10	0	0	0	0	0	0	18	59	91	113	128	138	201	176	118	95	71	33	4	0	0	0	0	0	1245
11	0	0	0	0	0	0	16	78	98	153	331	152	68	212	155	88	93	15	3	0	0	0	0	0	1460
12	0	0	0	0	0	0	13	62	143	244	407	204	110	106	100	77	56	24	1	0	0	0	0	0	1549
13	0	0	0	0	0	0	23	80	160	292	341	382	257	236	250	142	102	47	3	0	0	0	0	0	2315
14	0	0	0	0	0	0	5	48	155	314	330	138	177	153	136	155	140	55	6	0	0	0	0	0	1811
15	0	0	0	0	0	0	18	96	175	311	353	373	374	283	236	99	60	18	1	0	0	0	0	0	2397
16	0	0	0	0	0	0	3	17	25	53	155	220	144	368	236	200	96	14	5	0	0	0	0	0	1536
17	0	0	0	0	0	0	19	67	112	157	304	303	216	165	112	120	59	18	0	0	0	0	0	0	1652
18	0	0	0	0	0	0	9	41	69	167	236	260	257	284	360	263	144	48	3	0	0	0	0	0	2142
19	0	0	0	0	0	0	38	100	104	149	232	321	405	401	261	223	128	56	5	0	0	0	0	0	2425
20	0	0	0	0	0	0	22	76	69	84	91	136	42	65	101	64	63	14	20 ?	0	0	0	0	0	847
21	0	0	0	0	0	0	9	19 ?	67	125	353	355	233	102	216	155	87	58	15	0	0	0	0	0	1793
22	0	0	0	0	0	0	27	65	88	104	116	125	126	130	152	166	117	42	6	0	0	0	0	0	1266
23	0	0	0	0	0	0	21	70	81	104	270	342	390	387	323	262	159	64	5	0	0	0	0	0	2477
24	0	0	0	0	0	0	24	63	86	101	109	110	111	115	105	82	59	31	7	0	0	0	0	0	1003
25	0	0	0	0	0	0	24	63 ?	72	87	97	100	98	96	87	72	56	32	8	0	0	0	0	0	891
26	0	0	0	0	0	0	29	88	115	111	124	134	149	151	163	120	98	46	8	0	0	0	0	0	1335
27	0	0	0	0	0	0	14	101	166	185	154	161	270	358	326	270	167	58	21 ?	0	0	0	0	0	2253
28	0	0	0	0	0	?	28	72	86	144	222	123	215	293	153	84	75	73	12	0	0	0	0	0	1580
29	0	0	0	0	0	?	37	83	106	225	414	449	278	360	236	242	157	43	6	0	0	0	0	0	2635
30	0	0	0	0	0	0	8	24	48	81	81	122	57	46	50	34 ?	46	12	2	0	0	0	0	0	611
31	0	0	0	0	0	4 ?	27	57	103	151	148	108	86	89	99	132	128	60	11	0	0	0	0	0	1200
Avg	0	0	0	0	0	0	17	59	95	145	206	208	194	203	169	138	96	35	5	0	0	0	0	0	1569
S D	0	0	0	0	0	1	10	26	41	72	109	104	99	113	82	67	38	18	6	0	0	0	0	0	561
S/A	0	0	0	0	0	5.15	0.61	0.44	0.43	0.49	0.53	0.5	0.51	0.55	0.49	0.48	0.4	0.5	1.18	0	0	0	0	0	0.36
Min	0	0	0	0	0	0	1	12	25	47	61	90	42	46	50	34	36	10	0	0	0	0	0	0	553
Max	0	0	0	0	0	4	38	101	175	314	414	449	405	401	360	270	167	73	21	0	0	0	0	0	2635
n	0	0	0	0	0	2	268	364	367	372	370	372	371	370	371	369	371	369	56	0	0	0	0	0	4392

Daylight Data Recovery: 0.0% missing; 1.0% exceed the 15% QC threshold -- 4435 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 25819F3    Calibration Factor: 9.070 μV/W/m<sup>2</sup>    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**

**March 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	3.3	3.1	2.7	2.4	2.3	2.6	2.8	2.7	3.2	4.8	6.6	8	9.6	11	12	11.5	9.9	8.9	7.8	7.4	7.6	8.2	8.7	9.3	6.5
2	9.9	11	12	12.8	12.8	12.5	12.5	12.5	13.1	14.3	15.1	16.1	14.7	13.3	13.6	13.4	15	15	14.5	13.9	13.3	12.2	11.2	10.1	13.1
3	9.4	8.4	7.2	6.3	5.6	4.7	3.8	4.5	5.8	5.4	5	4.6	5.1	4.7	4.6	4	3	1.7	0.9	0.6	0.6	0.7	0.9	1.1	4.1
4	1.2	1.6	1.6	1.9	2	2.5	2.2	3.8	5.6	7.4	9.3	10.7	12.3	13.3	14	14.2	13.3	12.3	11	10.1	9.8	10.6	11.8	12.1	8.1
5	12.3	13.2	13.5	12.2	14.3	15.3	15.5	15.9	13.9	12.8	14.2	15.5	16.2	16.6	18.3	19.2	19.8	18.9	17.5	16.5	15.8	15.6	15.4	15.4	15.6
6	15.2	14.8	14.3	13.9	14.3	14.1	14.2	14.1	14	13.8	14.1	15.5	17.3	17.8	18.4	18.6	18.4	17.5	7.7	5.6	5	4.8	4.6	4.3	13
7	3.5	2.6	2	1.6	1.4	1.4	1.6	1.9	2.3	2.8	2.8	2.8	2.9	2.8	2.8	3	2.6	2.2	2.4	2.5	2.6	2.7	2.8	2.7	2.4
8	2.7	2.7	2.6	2.5	2.3	1.5	1.1	2	4	6.3	7.6	9.3	10.9	10.9	11.1	11.4	10.7	9.8	8.6	8	8.1	8.5	8.2	7.8	6.6
9	7.7	7.9	8	8.9	9	8.7	8.5	9.4	11.3	13.3	15.5	17.9	20.1	21.7	22.5	22.9	22.6	21.5	19.2	17.9	16.4	13.3	12.1	10.1	14.4
10	8.7	7.1	5.8	5	4.5	4.2	3.3	3.3	3.7	4.2	4.2	4.1	4.5	4.7	5.3	5.1	4.8	3.5	2.4	2.3	2.4	2.6	2.6	2.7	4.2
11	2.6	2.9	2.7	3.1	3.4	3.6	3.7	4.8	5.9	6.8	7.9	8.3	7.1	6.2	6.5	6.6	7.3	7.2	6.6	6.4	6.2	5.7	5.2	4.9	5.5
12	4.8	4.5	4.4	4.4	4.1	3.7	3.6	3.7	4.1	5.3	6.7	8.3	10.7	13.6	16.2	17.7	18	17.6	15.7	14.3	13.5	12.9	13.2	13.1	9.8
13	12.6	12.5	12.3	11.7	11.2	11.4	11.6	12.5	14.5	16.6	18.4	19.9	21.4	22.7	23.2	23.9	23.3	22.4	20.8	19.7	18.9	18.4	18	15.2	17.2
14	9.1	7.6	6.2	5.8	5.4	5.2	4.8	4.7	4.1	4.4	4.1	4.6	4.6	4.3	4.3	4	3.7	3.1	2.5	2.2	2.3	2.4	2.6	2.8	4.4
15	3	3.4	3.8	4.1	4.3	4.7	5.5	6.8	8.7	11.4	13.7	14.4	15.4	15.7	15.9	15.4	15	14.8	13.8	13	12.3	11.6	11.6	11.4	10.4
16	11.5	11.5	11.8	11.7	12.2	12.5	12.1	12.3	13.3	14	15.1	16.3	16	16	16.9	17.1	16.8	16.1	15.2	14.7	14.9	15	15	14.2	14.3
17	13.5	13.1	13.1	13.1	13.3	13.2	13.2	13.4	13.7	13.8	14.6	15.8	16.2	16.5	16.4	16.4	16.4	15.5	14	13.6	13.3	13.4	13.4	13.2	14.3
18	12.7	12.4	11.8	11.5	11.4	11.4	11.2	11	11.2	11.3	12.1	13.3	14.2	15.5	16	16.4	15.9	15.4	13.7	11.8	9	7.9	7.4	7.3	12.2
19	7.5	7.9	8.1	8.3	8.6	8.7	8.9	9.4	9.8	10.1	10.6	10.7	10.8	11.1	10.5	10.2	9.6	9.3	9	9.2	9.7	10.3	10.7	10.8	9.6
20	11.4	11.4	11.5	12.8	13.7	13.9	14.4	15.7	17	16	15.9	17.5	17.6	16.5	16.5	16.7	17.2	17.4	17.3	17	17.2	17.4	18.3	18	15.8
21	17.9	18.1	18.4	18.6	18.5	17.8	17.5	17.5	17.9	18.8	20.2	21.6	21.8	21.5	22.1	23	22.3	22	20.5	19.6	19.1	18.5	17.9	17.1	19.5
22	16.7	16.1	15.7	14.9	14.2	13.5	13.2	15.3	17	18.6	19.3	19.2	20.1	20.7	20.9	20	18.6	17.3	15.9	14.7	14	13.4	13	12.3	16.4
23	12	12	12.6	12.9	12.4	12.2	12.6	14.1	15.9	17.2	17.5	17.7	17.4	16.2	15.8	15.3	14.7	13.5	12.8	12.4	12.5	12.3	12.3	12.3	14.2
24	12.4	12.4	12.1	11.7	11.2	10.8	10.5	11.7	13.1	15.3	16.1	17	17.4	17.7	17.4	17.1	16.7	15.7	14.1	12.6	11.7	10.9	10	9.4	13.5
25	8.7	8.9	7.6	7.1	7	7	6.9	10.1	12.7	14.3	15.9	17.3	18.4	19	18.9	18.8	18	16.6	14.6	13.9	14.1	13.3	12.8	12.7	13.1
26	12.6	12.3	11.9	11.9	12.1	12	12.5	14.3	16.8	18.9	20.3	21.9	23.5	24.3	24.8	25.2	24.8	23.4	21.4	20.2	17.5	14.7	13.7	13.1	17.7
27	12.2	11.8	11.1	10.9	10.2	9.8	9.9	10.3	11.5	12.9	13.6	14.6	14.9	14.3	14.2	13.7	13.1	12.2	11.1	10.8	10.9	11.3	11.3	11.1	12
28	11.3	11.5	11.3	11.5	12.1	12.4	12.8	14.8	17.8	20	20.6	21.3	22.6	21.7	22	22.7	21.9	21.3	19.8	18.8	18.2	17.8	17.7	17.2	17.5
29	16.9	16.8	17	16.7	16.7	16.7	17.2	19.4	20.8	22.2	23	23.4	23.1	22.4	23.1	23.7	23.2	22.6	21.8	21.3	20.3	20	20.1	20.1	20.4
30	19.8	19.4	19	19.1	14.8	12.5	11.6	10.7	9.3	8.8	8.3	8.2	7.8	7.3	6.6	5.9	5	4.5	3.8	3.2	3.1	2.7	2.4	2.3	9
31	2.3	2.3	2.1	1.9	1.3	0.9	0.8	1.8	2.8	3.8	4.8	5.8	6.9	7.8	8.6	8.9	9	9.2	8.2	7.4	6.6	6	5.7	5.3	5
Avg	9.8	9.7	9.5	9.4	9.2	9.1	9	9.8	10.8	11.8	12.7	13.6	14.2	14.5	14.8	14.9	14.6	13.9	12.4	11.7	11.2	10.8	10.7	10.3	11.6
S D	5	5	5.1	5.1	5	5	5.1	5.2	5.4	5.5	5.7	5.9	6	6.1	6.3	6.5	6.5	6.4	6.2	5.9	5.6	5.4	5.3	5.1	5
S/A	0.51	0.52	0.54	0.55	0.54	0.55	0.56	0.53	0.5	0.47	0.45	0.43	0.42	0.42	0.44	0.45	0.47	0.5	0.51	0.5	0.5	0.5	0.5	0.5	0.43
Min	1.2	1.6	1.6	1.6	1.3	0.9	0.8	1.8	2.3	2.8	2.8	2.8	2.9	2.8	2.8	3	2.6	1.7	0.9	0.6	0.6	0.7	0.9	1.1	2.4
Max	19.8	19.4	19	19.1	18.5	17.8	17.5	19.4	20.8	22.2	23	23.4	23.5	24.3	24.8	25.2	24.8	23.4	21.8	21.3	20.3	20	20.1	20.1	20.4
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: 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**

**March 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	96.9	97.9	99.8	100.2	100.8	101.4	99.8	99.1	97.5	92.5	86.2	83.8	80.6	76.8	74	78.5	84.6	88.4	94	97.6	99.8	101.1	101.8	102.4	93.2	
2	103.4	104.9 ?	?	?	?	?	?	?	?	?	?	103.7 ?	102.5	100.2	97.8	94.2	87.7	88.3	91.6	90.3	77.2	68.9	70.9	74.5	90.4 ?	
3	75.7	77.8	83.5	83.8	80.9	80.8	83.3	78.1	71.9	73.1	68	62.1	56.3	54.1	51.1	54.1	54.5	56.8	61.8	64.9	63.1	68	72.2	75.5	68.8	
4	79	83.2	87.3	88.9	90.1	89.9	91.4	87.3	82.5	78.2	69.8	57.2	48.6	39.4	37.9	57.5	65.7	70.9	73.1	76.4	90.7	98.5	103.7	104.7 ?	77.2	
5	?	?	?	?	?	?	?	?	?	?	?	102.3 ?	97.1	92.3	88.9	82.3	78	75.6	79.5	87.7	91.8	93.2	94.6	96.6	96.8	89.8 ?
6	97	98.7	101.1	102.5	102.7	104.6 ?	?	?	?	104.4 ?	104.8 ?	104.5	102.5	97.4	95.7	92.7	90.7	92.5	93.3	94.4	92.8	94	89.7	88.3	84.6	96.8 ?
7	87.7	89.7	89.2	88.5	87.7	89.1	90.1	90.8	91.3	93.6	98.1	98.9	101.1	101.6	103.5	103.9	104.3	104.4	104.8	105 ?	?	105 ?	105 ?	?	97 ?	
8	104.9 ?	104.3	103.8	103.4	103.3	104.4	?	102.9 ?	93.9	85.6	81	76.5	71.6	79.3	75.8	66.4	63.6	75.8	86.9	94	96.6	98.1	97.3	97.4	89.9	
9	100	101.8	102.8	101.7	98.4	97.8	98.3	95.4	89.4	80.2	71	63.6	54.2	43.4	38.7	32	32.9	35.6	42.2	45.2	50.2	68.1	71.7	78.8	70.6	
10	79.6	76.4	78.4	79.3	81.8	80.5	80.4	77.2	69.8	67.5	65.8	63.9	61.4	59.7	58.2	59.3	60.6	66.6	71.9	75.5	76.8	77.2	79.1	76.3	71.8	
11	78.1	82.6	83.6	84.2	84.7	82.4	86.7	87.7	87.7	83.4	78.5	76.1	89	100.6	101.2	102.2	101.3	101.2	100.3	99.1	99.9	102.7	104	104.7 ?	91.7	
12	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
13	99.6	101.6	103	104.4	?	?	?	104.1 ?	100.1	93.3	86.5	81.6	77.2	71.8	65.6	64.1	65.3	70.2	76.1	80.5	83.3	86.2	87.7	93.8	85.5 ?	
14	98	95.9	95.4	96	97.3	94.4	93	87.3	81.9	76.5	74.1	69.4	68.6	65	64.7	67.1	70.2	78.6	85.3	88	89.3	89.3	89.5	90.9	83.6	
15	92.8	93.5	94.4	95.8	97.1	96.9	95.7	91.6	87	83.2	79.6	78.2	75.3	74.2	74.3	78	80.2	82.2	87.2	91.6	95.6	96.4	95.8	96.7	88	
16	96.4	96.3	95.7	96.4	96.6	96.4	100.9	104.1	?	?	?	?	?	?	104.1 ?	102.9	100.4	100.6	102.5	104	?	?	?	?	99.8 ?	
17	?	?	?	?	?	?	?	?	?	?	?	103.2 ?	99	98	96.8	97.7	98.4	98.1	100.2	104.5 ?	?	?	?	?	99.5 ?	
18	?	?	?	?	?	?	?	?	?	?	?	104.7 ?	102	100	96.7	84.9	83.1	84.4	88.3	96.5	100	103.9	103.9	104.7	96.4 ?	
19	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
20	100.2	99.6	100	98.4	97.9	98.8	98.4	93.4	86.8	94.3	96	87.7	89.6	100.8	104	104.5	103.8	102.4	101.6	103	103.1	103.4	102	103.8	98.9	
21	?	104.2	101.8	103.5	103.8	102.7	104	103.6	103.2	103.5	100.9	96.4	95.7	97.4	95.9	82.9	82.6	83.9	87.2	84.1	82.9	82.8	82.1	84.2	94.3	
22	85.8	88.7	90.6	94.5	97.3	99.7	101.3	94.1	85.2	70.1	65	62.2	58.3	57.5	59.3	62.4	65.6	70.2	77.3	84.9	89.9	94	96.4	98.9	81.2	
23	100.4	102.1	94.1	85	85.7	84.9	83.3	74.1	60.1	49	46.7	45.6	45.3	46.7	51.9	57.1	59.4	64.4	69.8	78.4	87.1	86	85.6	85.8	72	
24	81.5	78.5	83.5	85.4	89	91.6	93.8	85.6	78.7	69	61	56.7	53.2	53.1	51.8	51.7	53.5	55.9	62.7	69.7	78.8	83.3	91.6	95.8	73.1	
25	97.6	96.7	100	102.3	103	103.7	103.5	94	76.9	60.6	52.5	53.1	51.6	50.5	48.8	47.9	50.5	53.6	70.4	75.9	72.1	75.4	82.8	88.6	75.5	
26	91	91.8	94.3	88.3	82.9	83.2	82.5	76.9	66.7	53.6	50.6	50	50.1	49.5	48.6	45.6	48	58.8	64.5	68.6	71.5	80.1	84.9	89.7	69.6	
27	95.7	96.2	96.6	91.9	94.9	97.2	97	94.7	82.7	66.3	55.7	48.5	51.8	58	59.3	60.9	63.2	68.5	79.9	74	72.3	73	81	86.3	76.9	
28	90.8	93.5	96.4	97.3	99.3	101	102.9	100.4	93.2	85.9	84.3	79.8	71	75.4	75.7	70.9	75.2	79.8	84	87.6	89.9	90.3	89.3	92.4	87.8	
29	95.9	98	98.8	100.8	102.1	102.9	102.1	95.9	91	86	79.4	78.3	81.1	86.5	85.2	83.2	85.4	88	92.7	96.1	102.2	103.5	102.6	102.8	93.4	
30	102.3	101.3	103.2	104	103.7	104.2	103.9	103.1	102.2	103.1	100.3	99.9	98.1	98.4	101.5	101.7	102.3	101.4	100.5	102.3	102.5	103.1	103.1	100.4	101.9	
31	94.7	88.3	83.4	76.8	73.9	72	72.5	62.9	56.1	52.6	50.7	46.6	43.3	40.2	38.3	37.7	38.8	40	42.6	45.5	49.1	53.4	56.2	60	57.3	
Avg	93	94	94.4	94.1	94	94.5	94	91.2	85.3	79.9	78.7	76.9	74.7	75	73.5	73.1	74.4	77.7	82.8	84.2	85.8	88.6	90.3	91.2	85.4 ?	
S D	8.6	8.5	7.5	8.3	8.7	9.2	8.8	10.7	13	15.9	18.4	19.3	19.7	21.5	21.7	20.8	20.1	18.7	16.8	15.5	15	13.6	12.3	11.1	11.5	
S/A	0.09	0.09	0.08	0.09	0.09	0.1	0.09	0.12	0.15	0.2	0.23	0.25	0.26	0.29	0.3	0.28	0.27	0.24	0.2	0.18	0.18	0.15	0.14	0.12	0.14	
Min	75.7	76.4	78.4	76.8	73.9	72	72.5	62.9	56.1	49	46.7	45.6	43.3	39.4	37.9	32	32.9	35.6	42.2	45.2	49.1	53.4	56.2	60	57.3	
Max	104.9	104.9	103.8	104.4	103.8	104.6	104	104.1	104.4	104.8	104.7	103.7	102.5	104.1	104	104.5	104.3	104.4	104.8	105	103.9	105	105	104.7	101.9	
n	292	300	300	299	288	295	276	290	297	293	314	353	360	367	372	372	372	372	366	341	336	341	340	312	7853	

Data Recovery: 0.0% missing; 12.0% 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**

**March 2003**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.7	3.5	3	2.1	1.4	1.7	2.3	2.7	3.3	4.9	9	11.7	13.1	14.2	15.1	15.6	14	12.3	9.7	8.1	7.7	7.7	8.1	8.5	7.6
2	9	9.7	10.8	11.8	12.6	12.8	12.8	12.8	13.1	13.9	15	16.3	17	16.1	15.9	15.4	15.8	16.2	15.1	14.2	13	11.9	10.7	9.6	13.4
3	8.5	7.8	6.5	5.3	4.3	3.7	2.8	2.8	5.2	7.3	8.3	8.8	9	8.9	8.3	8.1	7.2	5.4	2.6	0.6	-0.3	-0.7	-0.8	-0.8	4.9
4	-0.6	-0.5	-0.4	-0.3	0	0.3	0.4	0.9	3.9	7	10	12.5	14.2	15.2	15.8	16.3	16	14.6	12.6	11.4	10.5	10.2	10.7	11.5	8
5	11.9	12.4	13.1	13.2	13.2	14.3	15.1	15.5	15.7	14.6	14.5	16.3	18.1	18.7	19.3	20.4	20.7	20.4	18.8	17.3	16.1	15.5	15.3	15.2	16.1
6	15.2	15	14.5	14.1	14	14	14.1	14.2	14.2	14.1	14.2	14.8	16.5	17.8	18.5	19	19	18.6	15.7	10.4	7.5	6.1	5.5	5.1	13.8
7	4.6	3.8	3.1	2.4	2	1.8	1.7	1.8	2.1	2.5	2.7	2.6	2.8	2.9	2.9	3	3.1	2.8	2.6	2.5	2.6	2.7	2.7	2.8	2.7
8	2.8	2.7	2.7	2.6	2.5	1.7	0.5	0.7	3.2	6.5	9.9	12.3	14.1	14.7	14.5	14.8	14.4	12.6	10.2	8.3	7.2	7.1	7	6.6	7.5
9	6.4	6.5	6.8	7.2	7.8	7.9	7.7	7.9	10	12.8	15.8	18.5	20.7	22.5	23.7	24.6	24.7	23.9	21.1	17.9	16.2	14.4	12.4	11	14.5
10	9.4	7.9	6.4	5.3	4.5	4.1	3.4	3.1	4.2	5.7	6.8	7.6	8	8.2	8.5	8.7	8.4	7.2	4.4	2.2	1.3	1	0.9	0.8	5.3
11	0.6	0.2	0.4	0.5	1.1	1.8	2.2	2.9	4.4	5.9	7.3	9.2	8.5	7.2	7.1	7	7.2	7.5	7.4	7.1	6.9	6.6	6.2	5.7	5
12	5.4	5.2	5	4.9	4.8	4.5	4.2	4.2	4.6	5.7	7.8	10.5	12.5	14.3	16.2	18.3	19.6	19.6	17.5	14.8	13.2	12.3	11.8	11.7	10.4
13	11.5	11.3	11.2	11	10.5	10.4	10.6	11.1	12.8	15.3	17.6	19.5	21.5	23.3	24.3	25	25.3	24.3	22.6	20.7	19.5	18.6	18.2	17.5	17.2
14	14.6	11.1	8.9	7.3	6.5	6	5.6	5.2	5.1	5.5	6.6	7.2	7.8	7.7	7.4	7.5	6.8	5.6	3.6	2	1.3	1	0.9	1.1	5.9
15	1.3	1.7	2.2	2.6	2.9	3.1	3.8	5.1	7.1	10.2	13.5	15.9	16.9	17.7	17.7	17.5	16.6	15.9	15.2	14.1	12.7	11.6	11.1	10.9	10.3
16	10.8	10.7	10.8	11.3	11.6	12	12.1	12	12.5	13.3	14.2	15.6	16.4	16.6	16.9	17.5	18.2	17.9	17	16	15.5	15.3	15.3	15.2	14.4
17	14.6	14.1	13.7	13.5	13.5	13.5	13.5	13.7	14.1	14.5	15.3	17.1	18.2	18.8	18.6	18.2	18.1	17.6	16.4	15.1	14.4	14	13.8	13.8	15.3
18	13.5	13.2	12.8	12.3	12	11.8	11.8	11.7	11.7	12	12.8	13.9	15.1	16.1	17.2	17.7	17.8	17.1	15.9	14.2	12.4	10.3	9	8.3	13.3
19	7.9	8	8.1	8.3	8.5	8.5	8.2	8.8	9.8	10.5	11.1	11.8	12.4	13.2	13.3	12.5	11.9	11.1	10.3	9.7	9.6	9.8	10.2	10.6	10.2
20	11	11.4	11.5	11.8	12.7	13.5	13.9	14.5	15.8	16.5	15.7	15.9	17.1	17	16.6	16.6	16.8	17	17.3	17.3	17.3	17.3	17.5	17.8	15.4
21	17.9	17.9	17.9	18	18.3	18.1	17.6	17.4	17.4	18	19.4	22.1	23.3	23	22.5	23.5	23.6	22.8	22	19.9	18.8	18.1	17.5	16.9	19.7
22	16.1	15.5	15	14.4	13.6	12.8	12.1	13.1	16.3	19.4	21.9	23.1	23.5	23.8	24.4	24.1	22	20.3	18.2	15.6	13.6	12.3	11.3	10.9	17.2
23	10.5	10.2	10.3	10.4	10.8	10.7	10.3	11.2	14.6	17.7	19.3	20.2	20.9	20.6	19.7	18.4	17.5	16.7	15.3	13.3	12.6	12.3	12.2	11.9	14.5
24	11.9	11.9	11.8	11.1	10.6	9.9	9.2	10.3	12.8	15.5	18	19.4	20.4	20.6	20.7	20.6	20.2	19.2	16.7	13.6	11.5	9.8	8.3	7.3	14.2
25	6.3	5.6	5.3	4.9	4.6	4.7	4.9	6.8	10.6	14.5	17.7	20.2	21.7	22.2	22.3	22.3	21.9	20.6	17.8	14.7	13.2	12.4	11.6	11.1	13.2
26	10.9	10.7	10.5	10.3	10.3	10.4	10.4	12	15.1	18.4	21.2	23.2	24.8	25.7	26.4	27.1	27.2	26.4	23.9	21.1	19.6	17.3	15.3	14.3	18
27	13.4	12.7	12.2	11.5	10.9	10.3	9.7	9.8	10.7	13	15.2	16.7	17.7	17.7	17.4	17	15.9	14.3	12.8	11.7	11.1	10.9	11	10.6	13.1
28	10.3	10.2	10.2	10.2	10.6	11.4	11.8	13.1	16.5	20.3	23	24.5	25.5	25.4	23.6	24.3	24.9	24.3	22.6	20.1	18.6	17.6	17.1	16.7	18
29	16.2	15.8	15.8	15.8	15.8	15.8	15.9	17.3	20.4	22.8	24.8	25.4	25.5	24.5	25.1	25.8	25.5	24.6	23.3	22.4	21.6	20.5	20	19.9	20.8
30	19.7	19.3	19.1	19	18.4	15.2	13.3	12	10.9	9.7	9.1	8.6	8.3	8.2	7.5	6.8	6	5.2	4.5	3.7	3.3	3	2.7	2.3	9.8
31	1.9	1.7	1.8	1.7	1.1	0.1	-0.3	1	3.1	4.9	6.9	8.4	9.2	9.6	10	10.7	10.7	10.4	9.5	7.3	6	4.8	4.1	3.7	5.3
Avg	9.6	9.3	9.1	8.9	8.8	8.6	8.4	8.9	10.4	12	13.7	15.2	16.2	16.5	16.7	16.9	16.7	15.9	14.3	12.5	11.4	10.7	10.2	10	12.1
S D	5.3	5.2	5.2	5.2	5.3	5.2	5.2	5.2	5.2	5.4	5.5	5.7	6	6.1	6.2	6.4	6.5	6.5	6.4	6.1	5.9	5.7	5.6	5.5	4.9
S/A	0.55	0.56	0.57	0.59	0.6	0.61	0.62	0.59	0.5	0.44	0.4	0.38	0.37	0.37	0.37	0.38	0.39	0.41	0.45	0.49	0.52	0.53	0.54	0.55	0.4
Min	-0.6	-0.5	-0.4	-0.3	0	0.1	-0.3	0.7	2.1	2.5	2.7	2.6	2.8	2.9	2.9	3	3.1	2.8	2.6	0.6	-0.3	-0.7	-0.8	-0.8	2.7
Max	19.7	19.3	19.1	19	18.4	18.1	17.6	17.4	20.4	22.8	24.8	25.4	25.5	25.7	26.4	27.1	27.2	26.4	23.9	22.4	21.6	20.5	20	19.9	20.8
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**

**March 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	1.2	1.2	1.9	0.4	0	0	0.3	0.9	0.4	0.3	0.9	1.9	2.2	2.2	2.3	3	3.3	2.7	2.3	2.6	2.5	1.9	2.3	2.3	1.6
2	2.4	2.6	3.2	3.1	3.3	2.1	2	1.3	0.4	1.2	3.1	4.3	4.9	4.2	3.4	2.5	2.5	1.7	1.1	1.8	2.7	2.2	1.9	1.7	2.5
3	2.1	1.4	0.8	0.5	1.7	1.6	1.2	1	3.2	4.1	3.9	3.9	3.4	3.6	3.6	4.2	4.3	4.2	3.2	3	3	3.2	3	2.4	2.8
4	1.7	1.5	1.3	1.4	1.5	1.2	1.6	2.2	3.4	3.6	3.1	3.1	3.2	3.8	3.9	4.1	3	2	2.2	1.7	1.5	1.6	2.8	4.4	2.5
5	2.7	2.1	1	0.7	1.7	2.6	2.2	2.6	2.8	1.8	3	5.8	5.6	5.3	3.7	4.4	3.9	2.4	2.2	1.5	1.3	1.5	1.3	1.6	2.7
6	1.1	0.6	0.1	1.5	2.1	0.7	0.4	1.8	2.5	3.1	3.8	3.2	5.8	5.3	6.2	5.1	3.8	1.5	6.9	7.5	6.6	5.2	4.1	4.7	3.5
7	4.6	5	5.5	4.7	5.1	4.9	4.1	4.3	4.4	4.2	3.7	2.9	3.7	3.7	3.9	3.9	3.3	3.2	2.2	2.1	1.8	2.1	1.5	2	3.6
8	1.2	1.2	0.9	0.8	0.2	0.2	0.1	0.4	1.1	1.5	1.5	1.7	2.3	2.6	2.1	2.5	2.9	2.9	1.9	1.7	1.6	1.2	1.3	1	1.4
9	0.8	1.6	2	2.7	1.7	1.4	1.8	2.1	3.2	3.9	3.7	3.9	3.8	3.7	3.3	3.3	2.4	1.7	1.3	1.8	2	2.7	4	3.4	2.6
10	4.5	3.9	3.4	3.3	3.4	3.8	3.4	4.2	4.9	4.8	5.1	4.7	3.6	2.8	3	3.6	3.3	3.6	3.1	2.9	2.8	2.8	2.4	2.4	3.6
11	1.1	1.6	1.9	1.9	2	1.9	1.9	2.5	3.5	3.6	4.8	4.4	3.4	3.3	4	2.8	1.9	2.7	2.4	2.3	1.6	1.7	1.5	0.7	2.5
12	0.9	1.5	1.3	0.7	0.6	0.2	0.4	1	0.9	0.9	1.7	2.3	2.4	3.1	3	3.1	2.6	1.5	1.4	1.7	2.7	2	2.3	2.3	1.7
13	1.9	1.6	1.4	0.5	0.7	0.9	1	1.6	2.8	3	3.2	3.7	4.6	4.6	5.2	4.1	4.2	3	2.5	2.7	1.9	1.6	1.1	4.4	2.6
14	5.3	6.1	6	5	5.7	5.8	5	5.5	5.9	5.8	5.6	6	5.9	5.3	5.3	4.7	4.7	3.4	2.8	2.4	2.3	2.2	2.8	2.9	4.7
15	3.1	3.2	2.7	2.5	2.2	2.6	2.8	2.5	2.9	2.8	3	3.1	3	3.5	3	2.7	2.6	2.5	2.5	0.9	1.1	1.3	1.3	1.3	2.5
16	1.5	1.3	1.4	1.6	1.7	1.6	1.7	1.7	3.2	2.7	3.3	4.6	4.1	4.8	3.4	1.9	1.9	1.7	1.8	1.3	1.1	0.5	0.5	1.8	2.1
17	0.5	1.1	1.4	1.3	0.6	0.9	0.1	0.3	0.2	0.8	1.2	0.6	0.1	0.4	0.5	0.3	0.2	0.8	1.9	0.6	0.4	0.3	0.3	0.8	0.7
18	1.7	1.3	1.7	1.2	0.4	0.8	1.9	2	1.9	2	2.6	2.4	2.9	3.6	5.2	3.4	3.5	2.4	2.9	2.5	3.2	3.5	3.3	3.8	2.5
19	3	3.8	4.4	3.4	3.2	3.6	4.9	4.5	4.6	5.5	5.8	6.2	6.3	5.6	6.4	5.6	5.6	5	4.7	4.4	4.4	3.6	3.8	3.4	4.7
20	3	3.3	2.6	3.1	3.4	4.1	5.1	5.8	5.1	4.9	6.7	6.7	6.3	4.8	5.3	5.5	10.6	8.5	8.4	5.7	3.1	2.1	3.5	3.2	5
21	2	2.1	3.8	3.3	4.5	2.6	1.4	1.2	1.6	2	4	3.7	3.2	1.1	1.5	3.2	3.4	2.4	2.6	2.9	3.1	2.7	2.7	2	2.6
22	2.6	2.1	2.3	1.7	1.2	0.6	0.4	0.3	1.4	2.7	2.9	3.5	3.1	2.6	2.7	3.6	3.3	3.2	1.9	1.2	0.6	0.4	0.9	0.8	1.9
23	0.9	1	2.1	3.8	2.8	2.3	0.6	1.4	2.7	3.9	3.5	3.4	3.4	3.1	4.1	3.4	2.8	2.8	2	2.4	2.2	2	1	0.8	2.4
24	1	0.7	1.2	1.3	1.7	1.2	1.6	2.3	2.6	3.6	4.5	3.6	4	3.7	4.5	4.4	4	3.4	2.6	2.1	1.4	0.4	0.2	0.1	2.3
25	0	0	0.1	0	0.3	0.4	0.4	0.3	1.3	2.1	1.8	2.1	2.4	2.5	3.1	3.1	3.5	3.9	2.7	2.5	2	2	2	2	1.7
26	1.7	1.8	1.7	1.9	2	1.7	1.9	2.4	2.4	3.7	4.5	4.9	4.7	5	5.2	4.8	4.3	3.1	2.5	2.3	4.4	3.6	3.3	2.9	3.2
27	2.7	2.8	3	2.6	3.1	3.7	3.7	3.7	4.6	4.5	5.5	4.8	4.6	5	4.5	3.7	3.6	3.6	3.7	3.5	3.5	3.5	2.8	1.5	3.7
28	1.5	1.2	1.4	2.2	1.9	1.7	2.3	2.5	2.7	3.1	3.7	3.4	5.6	6.2	5.8	5.1	5.2	4.9	4	3.1	2.5	2.7	2.3	1.8	3.2
29	1.7	1.7	1.9	2	1.8	1.8	2.3	3.9	5.4	5.2	6.3	6.1	5.1	5.6	5.9	5.7	5.2	5.5	4.4	4.1	3	3.2	4.1	4.1	4
30	2.8	2	1.2	1.3	4.4	4.3	4.6	4.7	5.8	4.8	4.4	4.3	4.7	4.6	4.3	3.5	3.5	3.7	4.4	3.7	3.9	3.1	3.3	3.1	3.8
31	3.7	3.6	3.2	3.2	3.1	3.1	2.6	4.5	4.4	4.7	4.4	4.3	4.3	4.6	4.7	5.6	4.5	4.6	3.2	3.1	2.1	1.9	2.2	2.3	3.7
Avg	2.1	2.1	2.2	2.1	2.2	2.1	2	2.4	3	3.3	3.7	3.9	4	3.9	4	3.8	3.7	3.2	3	2.6	2.5	2.2	2.3	2.3	2.8
SD	1.2	1.3	1.4	1.3	1.5	1.5	1.5	1.6	1.6	1.5	1.4	1.4	1.4	1.3	1.4	1.2	1.7	1.5	1.6	1.4	1.3	1.1	1.1	1.2	1
S/A	0.6	0.63	0.65	0.62	0.66	0.71	0.74	0.65	0.54	0.45	0.39	0.37	0.35	0.35	0.35	0.32	0.46	0.47	0.53	0.53	0.51	0.5	0.5	0.52	0.35
Min	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.9	0.6	0.1	0.4	0.5	0.3	0.2	0.8	1.1	0.6	0.4	0.3	0.2	0.1	0.7
Max	5.3	6.1	6	5	5.7	5.8	5.1	5.8	5.9	5.8	6.7	6.7	6.3	6.2	6.4	5.7	10.6	8.5	8.4	7.5	6.6	5.2	4.1	4.7	5
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**

**March 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	340	355	16	17	0	317	347	22	36	75	78	55	58	48	35	37	37	28	14	17	17	29	19	19	29
2	27	26	32	51	49	44	30	35	64	116	160	186	203	199	214	222	214	209	207	210	228	229	229	236	190
3	227	228	221	209	227	229	227	232	281	315	312	316	327	329	334	352	1	0	355	8	17	18	25	18	333
4	17	8	8	8	12	2	12	24	34	29	29	58	52	26	45	52	58	43	13	9	34	50	62	51	36
5	61	78	83	62	119	128	141	144	223	218	200	202	206	199	199	187	175	172	159	152	134	140	150	157	173
6	140	134	89	144	128	85	248	94	91	94	107	144	174	187	194	189	185	264	305	298	305	302	300	321	228
7	334	343	342	345	337	336	332	336	334	324	316	307	304	302	300	288	277	273	273	268	268	256	260	250	314
8	249	245	245	241	230	224	246	262	282	317	51	15	60	118	103	44	52	69	73	71	88	109	114	125	71
9	122	126	138	158	148	137	145	141	156	177	200	196	206	230	223	246	228	228	204	197	273	286	289	313	206
10	347	346	347	345	351	346	344	345	337	333	339	341	338	344	351	10	5	24	25	19	34	30	24	20	355
11	28	12	16	16	1	350	347	357	8	12	15	19	1	354	359	337	319	288	285	285	277	255	265	265	348
12	242	247	243	272	316	163	98	84	110	106	112	106	103	112	131	135	136	129	109	102	114	128	135	134	126
13	133	134	133	123	112	135	130	138	172	170	162	161	170	168	158	160	163	153	133	142	146	186	167	289	160
14	317	309	318	315	320	326	331	333	340	340	320	333	332	338	341	342	350	358	351	337	342	348	345	348	332
15	346	344	350	351	351	352	351	352	8	7	16	26	28	47	39	42	49	55	38	30	342	352	18	6	14
16	13	2	7	353	2	8	13	11	26	29	22	21	24	30	29	16	12	329	313	311	290	257	236	272	9
17	198	215	225	232	234	244	230	240	244	202	265	261	289	234	315	358	12	31	59	61	4	325	321	4	262
18	339	314	308	328	332	321	331	325	294	297	306	314	322	328	335	322	332	330	327	327	323	323	307	314	321
19	317	326	336	330	329	331	338	336	340	341	350	347	343	346	343	343	348	350	344	351	360	356	3	360	344
20	358	359	2	20	34	52	54	64	69	63	64	66	69	74	74	92	114	146	153	159	170	180	186	192	89
21	180	169	168	166	214	183	182	163	179	185	177	189	184	192	205	225	242	210	200	243	244	243	243	230	202
22	237	253	268	283	293	304	309	59	61	76	107	131	106	98	120	119	138	138	125	122	142	138	148	174	130
23	189	234	323	8	31	66	85	83	78	77	82	83	107	121	123	116	112	111	102	108	105	94	82	66	90
24	76	42	40	47	44	22	2	25	44	52	59	50	66	66	77	84	83	82	86	91	90	79	53	90	64
25	47	86	325	312	346	7	337	64	116	130	127	126	119	155	142	125	118	145	140	146	181	202	191	206	144
26	207	214	225	226	230	223	218	223	215	217	216	215	214	204	197	210	213	201	205	204	25	26	7	22	216
27	18	28	11	16	19	10	19	40	63	67	77	76	78	83	81	77	73	66	65	74	74	87	86	58	60
28	57	55	45	67	71	68	93	98	98	106	105	105	123	141	131	130	136	143	142	139	142	151	156	147	121
29	147	157	147	142	141	152	149	163	172	170	182	182	188	194	191	192	187	185	183	183	192	182	183	183	179
30	199	203	196	212	11	20	17	12	3	5	28	7	13	21	10	345	344	346	345	348	348	327	322	323	358
31	321	323	319	317	309	322	310	320	318	322	313	321	313	296	297	282	284	286	288	294	281	265	251	254	303
Avg	338	334	341	353	357	3	4	17	17	24	46	51	68	83	76	79	98	100	43	357	352	329	315	321	20
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**

**March 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	2.2	2.7	3.5	0.8	0	0	1	1.8	1.3	0.9	2.2	3.2	3.8	3.8	3.6	4.3	4.7	4	3.3	4	3.6	2.8	3.4	3.3	2.7
2	3.6	4	4.9	5	4.8	3.4	3.2	2.5	0.8	2.5	5.1	6.5	8.1	6.6	6.2	5.5	4.9	3.1	2.1	3.2	5.2	4.3	3.9	3.6	4.3
3	4.3	3.3	2.2	1.4	3.6	3.5	2.7	2.8	5.7	6.4	6.2	6.2	5.5	5.5	5.7	6.3	6.7	6.3	5	4.9	4.5	4.8	4.7	3.4	4.7
4	2.7	2.3	2.2	2.2	2.4	1.9	2.4	3.2	4.7	5.1	4.4	4.6	4.7	5.4	5.7	6.2	4.2	3	3.2	2.7	2.5	2.5	4.7	6.3	3.7
5	4.5	3.5	2	1.4	3.3	4.4	3.8	4.4	5	3.6	5.1	8.8	9	7.6	6.2	6.5	5.9	3.9	3.4	2.6	2.3	2.6	2.7	2.7	4.4
6	2.2	1.8	0.5	2.8	4.2	1.7	1.1	3.2	4	5	5.8	5.2	9	8.3	9.6	7.8	5.8	3.4	10.3	11.8	10.4	8.4	6.6	7.6	5.7
7	7.6	8.1	8.8	7.4	8.2	7.3	6.5	6.9	6.9	6.5	6	5.1	6.2	6.1	6.5	6.5	5.9	6	4.5	4.3	4	4.4	4	4.6	6.2
8	3.2	3.5	3.1	2.6	1.2	1	0.6	1.6	2.4	2.6	2.7	2.9	4	4.4	3.7	3.7	4.3	4	2.7	2.6	2.6	2.2	2.4	2	2.7
9	1.9	2.9	3.5	4.5	3.1	2.6	3.1	3.9	5.6	5.9	5.8	6.5	6.4	6.6	6.3	5.9	5	3.4	2	2.5	3.2	3.8	6	5.3	4.4
10	6.7	6	5.4	5	5.4	5.8	5.2	6.4	7.6	7.4	7.8	7.3	5.9	4.8	4.8	5.4	4.9	5.6	4.6	4.4	4.3	4.6	3.6	3.4	5.5
11	1.8	2.4	2.9	3	3.1	2.9	2.6	3.8	5.3	5.6	6.9	6.5	5.3	5.2	6.2	4.5	3.2	4.2	4.1	3.6	3	3.4	2.9	1.8	3.9
12	2.8	3.4	3.2	1.9	2	0.7	1.1	1.9	2.1	2.2	3.1	4.1	3.9	4.8	5.2	4.9	4	2.6	2.3	2.3	3.8	3.2	3.4	3.6	3
13	3	2.5	2.1	1	1.5	1.9	1.9	2.7	4.3	4.5	4.9	6	7	7.4	8.1	6.3	6.4	4.7	3.7	4.2	2.9	2.3	1.6	7	4.1
14	8.3	9.5	9.8	8.2	8.7	8.9	8.3	8.8	8.9	9	8.8	9.2	9	7.9	8.3	7.1	7.5	5.4	4.5	3.7	3.5	3.5	4.4	4.4	7.3
15	4.6	4.9	4.3	3.9	3.3	3.8	4.2	3.8	4.4	4.5	4.4	4.5	4.5	5.1	4.5	4.1	4	3.8	3.6	1.5	1.7	2	1.9	2.1	3.7
16	2	1.8	1.9	2.2	2.4	2.4	2.4	2.7	4.5	4.4	4.8	6.6	6.3	6.9	5.2	3.2	3	2.7	2.9	2.4	2.1	1.4	1.6	3.4	3.3
17	1.3	2.7	3	3.2	1.9	2.7	0.4	1.5	1	1.9	2.8	1.9	0.7	1.4	1.5	0.9	0.8	1.7	2.9	1.4	1.3	1	1.2	1.9	1.7
18	3	2.9	3.4	2.5	1.4	2.1	3.7	3.6	3.6	3.4	4.5	4.2	5	5.8	7.9	5.4	5.6	4	4.5	4.2	5.1	5.6	5.7	6.2	4.3
19	5.1	6.2	7.4	5.5	5.5	5.9	7.9	7.4	7.9	8.7	9.5	9.7	9.6	9	10.3	9	8.8	7.9	7.6	6.9	6.8	5.6	5.9	4.8	7.5
20	4.8	4.8	3.9	4.6	5.1	5.9	7.6	8.4	7.7	6.9	9.5	9.8	9.1	7.4	8	8.4	15.4	12.6	12.9	8.7	5.2	3.6	5.9	5.6	7.6
21	4.1	3.7	6.3	5.7	7.1	4.2	2.9	2.5	3.2	4	6.4	6.3	5	2.2	2.8	4.8	5.3	4	4.2	4.1	4.5	3.8	3.7	3	4.3
22	3.9	3.1	3.2	2.5	2.1	1.3	0.8	0.6	2.7	3.9	4.4	4.9	4.8	4.1	4.1	5.2	4.6	4.3	3	2.4	1.4	0.9	1.5	1.5	3
23	1.5	1.6	3.4	5.8	4.4	3.7	1.2	2.2	4.2	6	5.3	4.8	5.1	4.5	5.8	5	4.1	4	3	3.7	3.2	3.2	1.5	1.4	3.7
24	1.6	1.2	2.1	1.9	2.4	1.8	2.4	3.6	4.2	5.6	6.7	5.7	6.6	5.6	6.8	6.6	5.8	5	4	3	2	0.9	0.6	0.4	3.6
25	0.1	0.1	0.3	0.1	0.5	0.7	0.8	0.9	2.1	3.1	3.2	3.5	3.9	4	4.7	4.8	4.9	5.6	3.8	3.5	3.1	3	3	3.1	2.6
26	2.7	2.7	2.3	2.7	2.9	2.5	2.8	3.9	4.1	5.8	6.9	7.7	7.4	7.4	7.7	8.1	6.8	5	4.2	3.4	6.9	5.9	5.4	4.8	5
27	4.5	4.7	4.7	4.4	5.1	5.9	5.8	6.2	7.1	7.3	7.7	7.4	6.8	7.6	7	5.7	5.5	5.5	5.7	5.4	5.3	5.4	4.4	2.2	5.7
28	2	1.8	2.2	3.1	2.9	2.7	3.3	3.7	4.1	4.7	5.5	5.3	7.9	9.2	8.5	7.5	7.8	7.1	5.5	4.4	3.4	4.2	3.7	2.7	4.7
29	2.5	2.7	2.9	2.8	2.6	2.8	3.6	6.1	8.6	7.8	9.7	9.5	8.1	8.8	9.3	8.8	8.3	8.5	6.6	6	5.2	5.2	6.1	6.3	6.2
30	4.4	3.7	2.3	2.5	7.6	6.9	7.5	7.6	10.1	8.3	7.2	7.5	8.1	7.8	7.3	6.2	6.3	6.4	7.5	6.7	6.9	6.1	6.5	6.6	6.6
31	7.4	6.4	6.6	6	6	6.2	5.1	8.6	8.3	8.8	8.3	8.1	8	8.3	7.8	8.5	7.6	7.6	4.8	4.8	3.3	2.7	3	3.2	6.5
Avg	3.6	3.6	3.7	3.4	3.7	3.5	3.4	4.1	4.9	5.2	5.9	6.1	6.3	6.1	6.3	5.9	5.7	5	4.6	4.2	4	3.7	3.7	3.8	4.6
SD	1.9	2	2.2	1.9	2.2	2.2	2.3	2.4	2.5	2.2	2.1	2.1	2.1	2	2	1.8	2.4	2.2	2.4	2.1	1.9	1.7	1.7	1.9	1.5
S/A	0.55	0.56	0.6	0.56	0.6	0.63	0.68	0.58	0.5	0.41	0.35	0.34	0.33	0.32	0.32	0.3	0.43	0.43	0.51	0.51	0.49	0.47	0.46	0.48	0.33
Min	0.1	0.1	0.3	0.1	0	0	0.4	0.6	0.8	0.9	2.2	1.9	0.7	1.4	1.5	0.9	0.8	1.7	2	1.4	1.3	0.9	0.6	0.4	1.7
Max	8.3	9.5	9.8	8.2	8.7	8.9	8.3	8.8	10.1	9	9.7	9.8	9.6	9.2	10.3	9	15.4	12.6	12.9	11.8	10.4	8.4	6.6	7.6	7.6
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**

**March 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	1023	1022	1021	1021	1022	1022	1022	1022	1023	1023	1023	1022	1021	1020	1019	1019	1018	1018	1018	1017	1015	1015	1014	1013	1020
2	1012	1011	1009	1008	1007	1006	1004	1003	1002	1002	1001	1000	1000	999	999	999	999	1000	1001	1001	1002	1003	1004	1004	1003
3	1005	1006	1007	1007	1009	1010	1011	1013	1014	1015	1016	1016	1017	1017	1017	1017	1018	1018	1019	1020	1020	1020	1020	1020	1015
4	1020	1019	1019	1019	1019	1020	1021	1021	1021	1021	1021	1020	1020	1019	1018	1018	1018	1018	1017	1016	1016	1015	1014	1013	1018
5	1012	1011	1009	1008	1007	1006	1006	1006	1006	1007	1007	1007	1006	1006	1006	1006	1006	1007	1008	1009	1009	1009	1009	1009	1008
6	1008	1008	1006	1007	1007	1005	1007	1006	1005	1003	1002	1002	1002	1002	1002	1003	1004	1006	1009	1011	1013	1015	1017	1017	1007
7	1018	1019	1019	1020	1021	1021	1022	1021	1022	1022	1021	1021	1020	1019	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019
8	1019	1019	1019	1019	1020	1020	1021	1021	1021	1021	1021	1020	1020	1020	1020	1019	1018	1018	1017	1017	1016	1016	1016	1015	1019
9	1014	1013	1012	1011	1010	1010	1009	1009	1009	1009	1009	1009	1008	1007	1006	1007	1007	1008	1008	1009	1009	1010	1010	1011	1009
10	1011	1012	1012	1012	1013	1014	1015	1016	1017	1017	1018	1018	1018	1018	1018	1018	1018	1019	1020	1021	1021	1021	1021	1021	1017
11	1021	1021	1021	1020	1021	1021	1021	1022	1022	1022	1021	1021	1020	1019	1018	1017	1017	1016	1017	1017	1018	1019	1018	1018	1019
12	1018	1018	1018	1018	1018	1019	1019	1019	1019	1020	1019	1019	1018	1017	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1018
13	1016	1016	1016	1016	1015	1016	1016	1016	1016	1015	1015	1014	1013	1012	1011	1010	1009	1009	1009	1009	1009	1010	1010	1011	1013
14	1013	1015	1016	1017	1018	1019	1021	1022	1023	1024	1025	1025	1025	1025	1025	1025	1024	1025	1025	1024	1024	1024	1024	1023	1022
15	1023	1023	1022	1022	1022	1021	1021	1022	1022	1022	1021	1021	1020	1020	1019	1019	1018	1018	1018	1018	1018	1018	1017	1017	1020
16	1016	1016	1015	1015	1015	1014	1014	1014	1014	1014	1014	1013	1011	1010	1010	1009	1009	1009	1009	1008	1008	1008	1008	1008	1012
17	1007	1007	1007	1007	1007	1007	1008	1008	1008	1008	1008	1007	1007	1006	1006	1005	1005	1005	1005	1005	1005	1005	1005	1005	1006
18	1004	1003	1002	1002	1002	1002	1002	1003	1004	1004	1004	1004	1004	1004	1004	1004	1005	1006	1007	1007	1008	1009	1010	1005	
19	1010	1011	1011	1012	1012	1013	1013	1015	1016	1017	1017	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1016
20	1018	1017	1016	1016	1016	1015	1015	1014	1015	1015	1013	1013	1013	1013	1011	1012	1007	1007	1008	1009	1009	1009	1009	1009	1012
21	1009	1008	1007	1006	1008	1007	1008	1008	1008	1008	1007	1007	1006	1006	1005	1004	1004	1004	1004	1004	1005	1005	1006	1006	1006
22	1007	1007	1007	1007	1008	1008	1009	1009	1009	1010	1010	1010	1009	1008	1008	1007	1007	1007	1008	1008	1009	1010	1010	1010	1009
23	1010	1011	1011	1011	1011	1011	1012	1013	1014	1014	1014	1013	1013	1012	1012	1011	1011	1012	1012	1012	1012	1012	1012	1012	1012
24	1012	1012	1011	1011	1012	1012	1013	1014	1015	1015	1015	1015	1015	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1014
25	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1016	1015	1015	1014	1014	1014	1014	1014	1015	1014	1016
26	1014	1013	1013	1012	1012	1013	1013	1013	1013	1013	1012	1012	1011	1010	1009	1008	1007	1007	1008	1008	1009	1011	1012	1013	1011
27	1014	1013	1013	1013	1014	1016	1016	1017	1018	1019	1019	1018	1018	1019	1019	1018	1019	1019	1018	1019	1019	1019	1018	1018	1017
28	1018	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1018	1017	1017	1017	1018	1018	1018	1018	1017	1017	1018
29	1017	1016	1016	1015	1015	1015	1016	1015	1015	1015	1015	1015	1014	1014	1013	1012	1012	1011	1011	1012	1012	1012	1011	1011	1014
30	1010	1009	1008	1007	1007	1007	1007	1008	1008	1007	1008	1008	1007	1007	1006	1007	1008	1008	1008	1008	1009	1009	1010	1011	1008
31	1010	1010	1011	1011	1012	1014	1015	1016	1017	1017	1018	1018	1018	1017	1017	1017	1017	1018	1018	1020	1020	1021	1022	1022	1017
Avg	1014	1014	1013	1013	1013	1013	1014	1014	1015	1015	1015	1014	1014	1013	1013	1013	1012	1013	1013	1013	1014	1014	1014	1014	1014
SD	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5
S/A	0	0	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	1004	1003	1002	1002	1002	1002	1002	1003	1002	1002	1001	1000	1000	999	999	999	999	1000	1001	1001	1002	1003	1004	1004	1003
Max	1023	1023	1022	1022	1022	1022	1022	1022	1023	1024	1025	1025	1025	1025	1025	1025	1024	1025	1025	1025	1025	1024	1024	1024	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