

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

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	4	67	238	438	412	235	399	766	516	349	211	70	3	2	0	0	0	0	0	3711
2	0	0	0	0	0	1	13	128	149	243	729	492	675	496	533	545	338	126	14	0	0	0	0	0	4484
3	0	0	0	0	0	2	15	27	86	142	162	155	215	130	93	99	239	80	8	0	0	0	0	0	1454
4	0	0	0	0	0	6	83	260 ?	501	571	668	795	748	795	686	531	327	116	13	0	0	0	0	0	6100
5	0	0	0	0	0	10	57 ?	291	510	694	833	904	885	858	687	502	286	132	14	0	0	0	0	0	6663
6	0	0	0	0	0	8	76	239	411	563	618	791	756	753	625	523	273	71	7	0	0	0	0	0	5713
7	0	0	0	0	0	5	55	175	437	629	756	815	686	507	460	299	156	45	6	0	0	0	0	0	5032
8	0	0	0	0	0	5	58	181	466	635	568	616	815	796	678	512	314	120	15	0	0	0	0	0	5780
9	0	0	0	0	0	7	88	279	480	656	785	859	855	799	680	518	319	118	18	0	0	0	0	0	6461
10	0	0	0	0	0	5	108	295	427	640	779	824	729	544	537	528	317	60	3	0	0	0	0	0	5798
11	0	0	0	0	0	11	43	215	214	211	418	403	505	675	584	430	182	82	21	0	0	0	0	0	3994
12	0	0	0	0	0	10	100	298	495	570	672	761	575	631	605	456	260	121	17	0	0	0	0	0	5572
13	0	0	0	0	0	6	98	215	155	131	146	451	449	467	582	515	199	46	8	0	0	0	0	0	3469
14	0	0	0	0	0	15	117	321	514	725	852	926	924	840	700	468	253	109	18	0	0	0	0	0	6783
15	0	0	0	0	0	14	85	299	507	698	828	783	666	760	246	122	58	24	3	0	0	0	0	0	5094
16	0	0	0	0	0	16	127	335	562	347	280	240	344	306	275	186	275	145	25	0	0	0	0	0	3464
17	0	0	0	0	0	2	43	79	111	160	203	154	190	116	67	45	34	13	11	0	0	0	0	0	1226
18	0	0	0	0	0	21	144	361	563	721	840	783	588	510	502	485	258	108	26	0	0	0	0	0	5910
19	0	0	0	0	0	20	142	367	565	748	884	953	950	886	756	548	371	146	26	0	0	0	0	0	7364
20	0	0	0	0	0	21	134	337	535	703	836	768	751	669	439	204	167	148	38	0	0	0	0	0	5750
21	0	0	0	0	0	18	119	328	519	691	839	906	881	854	638	372	164	43	33	0	0	0	0	0	6405
22	0	0	0	0	0	16	126	331	532	705	834	904	840	788	625	544	332	143	25	0	0	0	0	0	6744
23	0	0	0	0	0	22	103	286	413	719	848	923	922	860	727	550	359	152	26	0	0	0	0	0	6909
24	0	0	0	0	0	24	154	367	571	646	789	795	821	863	677	517	342	158	31	0	0	0	0	0	6753
25	0	0	0	0	0	3	18	63	74	107	157	152	147	79	94	40	27	15	5	0	0	0	0	0	980
26	0	0	0	0	0	18	79	341	579	757	907	990	999	935	796	613	408	187	36	0	0	0	0	0	7643
27	0	0	0	0	0	32	176	396	599	776	906	973	972	905	772	590	388	176	29	0	0	0	0	0	7689
28	0	0	0	0	0	29	155	180	415	378	319	494	809	873	747	578	383	174	35	0	0	0	0	0	5569
29	0	0	0	0	0	35	172	397	591	774	907	980	984	919	784	604	397	181	36	0	0	0	0	0	7762
30	0	0	0	0	0	36	191	395	602	778	904	973	976	912	783	612	405	192	37	0	0	0	0	0	7797
Avg	0	0	0	0	0	14	98	267	434	551	650	699	714	668	558	425	263	108	19	0	0	0	0	0	5469
S D	0	0	0	0	0	10	49	100	165	225	268	272	242	251	215	181	113	56	12	0	0	0	0	0	1895
S/A	0	0	0	0	0	0.72	0.49	0.38	0.38	0.41	0.41	0.39	0.34	0.38	0.39	0.43	0.43	0.52	0.6	0	0	0	0	0	0.35
Min	0	0	0	0	0	1	13	27	74	107	146	152	147	79	67	40	27	3	2	0	0	0	0	0	980
Max	0	0	0	0	0	36	191	397	602	778	907	990	999	935	796	613	408	192	38	0	0	0	0	0	7797
n	0	0	0	0	0	178	356	356	360	360	360	360	360	360	360	360	360	360	214	0	0	0	0	0	4704

Daylight Data Recovery: 0.0% missing; 0.2% exceed the 15% QC threshold -- 4713 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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	1	128	290	502	16	1	6	416	101	5	2	4	0	0	0	0	0	0	0	1473
2	0	0	0	0	0	0	0	27	9	16	462	255	387	225	395	721	675	501	175	0	0	0	0	0	3850
3	0	0	0	0	0	1	1	0	1	2	1	2	1	1	1	1	170	21	2	0	0	0	0	0	205
4	0	0	0	0	0	11	231	484 ?	607	358	378	594	371	558	667	681	576	340	56	0	0	0	0	0	5913
5	0	0	0	0	0	55	339 ?	711	818	871	890	879	846	866	729	585	373	450	47	0	0	0	0	0	8459
6	0	0	0	0	0	1	140	239	295	268	194	501	459	521	506	418	223	19	41	2	0	0	0	0	3807
7	0	0	0	0	0	3	4	41	477	607	638	594	348	124	133	32	4	0	1	0	0	0	0	0	3006
8	0	0	0	0	0	0	3	69	530	569	256	236	629	718	706	671	557	333	60	0	0	0	0	0	5336
9	0	0	0	0	0	1	132	474	621	691	736	763	764	745	684	632	506	274	47	0	0	0	0	0	7071
10	0	0	0	0	0	1	210	425	460	624	679	596	208	69	351	636	431	4	1	0	0	0	0	0	4695
11	0	0	0	0	0	1	1	39	7	3	15	13	72	251	317	249	38	27	8	0	0	0	0	0	1040
12	0	0	0	0	0	0	154	453	535	362	334	423	200	295	380	337	137	96	19	0	0	0	0	0	3725
13	0	0	0	0	0	1	78	82	5	4	2	45	45	39	438	482	64	1	0	0	0	0	0	0	1287
14	0	0	0	0	0	52	254	428	527	698	806	829	821	767	663	383	160	51	4	0	0	0	0	0	6445
15	0	0	0	0	0	0	53	351	553	690	735	489	176	373	22	1	0	0	1	0	0	0	0	0	3445
16	0	0	0	0	0	10	202	459	451	191	54	29	58	7	33	23	276	331	65	0	0	0	0	0	2188
17	0	0	0	0	0	0	1	0	1	1	2	0	1	0	0	1	1	0	0	0	0	0	0	0	9
18	0	0	0	0	0	76	413	635	738	699	619	404	211	104	223	384	235	158	66	0	0	0	0	0	4966
19	0	0	0	0	0	28	336	647	732	776	803	793	779	781	761	636	553	293	64	0	0	0	0	0	7984
20	0	0	0	0	0	21	238	465	586	631	634	355	310	286	154	3	9	64	14	0	0	0	0	0	3769
21	0	0	0	0	0	6	158	440	559	617	672	665	660	658	483	176	7	1	13	0	0	0	0	0	5114
22	0	0	0	0	0	15	226	470	610	677	707	709	584	528	369	530	423	257	36	0	0	0	0	0	6144
23	0	0	0	0	0	32	116	173	314	707	757	781	779	761	716	649	544	311	60	0	0	0	0	0	6699
24	0	0	0	0	0	52	358	556	619	474	522	466	490	677	510	473	436	295	65	0	0	0	0	0	5992
25	0	0	0	0	0	7	15	15	1	7	12	16	18	11	17	14	12	11	13	0	0	0	0	0	168
26	0	0	0	0	0	1	1	427	716	735	850	888	898	883	845	793	705	535	194	0	0	0	0	0	8472
27	0	0	0	0	0	150	511	709	797	844	871	882	884	869	834	770	662	479	147	0	0	0	0	0	9408
28	0	0	0	0	0	79	279	22	167	41	29	52	493	752	727	667	573	369	99	0	0	0	0	0	4348
29	0	0	0	0	0	33	415	609	690	751	800	823	824	801	749	692	584	381	79	0	0	0	0	0	8231
30	0	0	0	0	0	75	410	611	734	796	824	837	835	824	800	762	671	490	161	0	0	0	0	0	8829
Avg	0	0	0	0	0	24	180	345	455	458	476	464	452	453	441	414	320	204	50	0	0	0	0	0	4736
S D	0	0	0	0	0	35	152	240	270	315	332	325	307	326	293	289	255	189	56	0	0	0	0	0	2765
S/A	0	0	0	0	0	1.47	0.84	0.7	0.59	0.69	0.7	0.7	0.68	0.72	0.66	0.7	0.8	0.93	1.12	0	0	0	0	0	0.58
Min	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	9
Max	0	0	0	0	0	150	511	711	818	871	890	888	898	883	845	793	705	535	194	0	0	0	0	0	9408
n	0	0	0	0	0	178	356	355	360	360	360	360	360	360	360	360	359	360	215	0	0	0	0	0	4703

Daylight Data Recovery: 0.0% missing; 0.2% exceed the 15% QC threshold -- 4713 total daylight measurements.

Instrument: Eppley NIP    Serial Number: 25519E6    Calibration Factor: 7.533 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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	4	43	142	180	381	206	350	351	388	311	185	62	3	1	0	0	0	0	0	2606
2	0	0	0	0	0	2	12	108	132	209	300	247	316	297	229	129	80	38	8	0	0	0	0	0	2107
3	0	0	0	0	0	1	14	24	76	126	144	137	191	116	83	88	161	70	7	0	0	0	0	0	1236
4	0	0	0	0	0	7 ?	47	101 ?	177	302	339	244	385	302	183	132	100	52	10	0	0	0	0	0	2383
5	0	0	0	0	0	6	29 ?	59	65	73	86	103	107	109	125	144	121	47	11	0	0	0	0	0	1086
6	0	0	0	0	0	7	48	159	241	342	425	309	298	285	229	264	172	58	6	0	0	0	0	0	2845
7	0	0	0	0	0	5	49	159	154	188	213	265	346	381	342	278	143	39	5	0	0	0	0	0	2567
8	0	0	0	0	0	5	50	146	156	209	346	366	215	163	136	107	82	54	12	0	0	0	0	0	2047
9	0	0	0	0	0	6	59	97	121	141	150	149	140	140	146	126	101	59	15	0	0	0	0	0	1451
10	0	0	0	0	0	5	67	133	153	159	180	244	492	456	253	133	123	53	3	0	0	0	0	0	2453
11	0	0	0	0	0	12	37	188	185	183	368	370	426	427	324	268	152	73	19	0	0	0	0	0	3032
12	0	0	0	0	0	8	68	115	168	273	355	340	373	356	297	236	189	102	15	0	0	0	0	0	2896
13	0	0	0	0	0	6	82	175	138	118	127	383	385	406	238	194	156	43	8	0	0	0	0	0	2458
14	0	0	0	0	0	12	66	132	171	168	126	128	131	141	164	210	170	93	16	0	0	0	0	0	1727
15	0	0	0	0	0	14	65	143	154	153	161	297	462	389	207	107	52	21	3	0	0	0	0	0	2229
16	0	0	0	0	0	15	79	134	272	190	216	185	262	275	230	156	147	65	19	0	0	0	0	0	2246
17	0	0	0	0	0	1	36	67	94	138	176	130	159	102	56	38	29	11	9	0	0	0	0	0	1045
18	0	0	0	0	0	15	54	86	107	157	258	360	350	359	295	221	143	73	20	0	0	0	0	0	2499
19	0	0	0	0	0	18	62	85	110	131	144	163	171	154	137	134	110	71	20	0	0	0	0	0	1511
20	0	0	0	0	0	18	75	123	157	188	235	390	420	384	281	175	149	123	36	0	0	0	0	0	2755
21	0	0	0	0	0	17	74	127	161	188	209	236	216	230	235	235	148	37	30	0	0	0	0	0	2142
22	0	0	0	0	0	17	71	116	142	159	174	193	240	276	312	195	129	76	21	0	0	0	0	0	2122
23	0	0	0	0	0	18	76	200	189	147	145	145	143	141	139	126	101	70	21	0	0	0	0	0	1661
24	0	0	0	0	0	18	66	109	166	239	277	297	300	213	241	196	132	81	26	0	0	0	0	0	2361
25	0	0	0	0	0	2	16	54	64	92	135	131	127	69	81	35	23	13	4	0	0	0	0	0	846
26	0	0	0	0	0	19	69	116	111	150	112	106	105	104	100	91	75	50	19	0	0	0	0	0	1227
27	0	0	0	0	0	19	55	76	89	97	99	99	95	92	88	86	77	54	16	0	0	0	0	0	1044
28	0	0	0	0	0	21	94	161	287	326	264	414	296	163	147	134	105	73	25	0	0	0	0	0	2510
29	0	0	0	0	0	26	75	108	135	150	148	148	147	147	148	131	108	73	27	0	0	0	0	0	1573
30	0	0	0	0	0	26	83	110	121	126	129	130	131	127	117	101	82	60	21	0	0	0	0	0	1364
Avg	0	0	0	0	0	12	57	118	149	183	208	235	259	240	196	155	114	58	15	0	0	0	0	0	2001
S D	0	0	0	0	0	7	21	40	53	75	90	103	120	121	83	64	42	26	9	0	0	0	0	0	635
S/A	0	0	0	0	0	0.64	0.37	0.34	0.36	0.41	0.43	0.44	0.46	0.51	0.42	0.42	0.37	0.45	0.58	0	0	0	0	0	0.32
Min	0	0	0	0	0	1	12	24	64	73	86	99	95	69	56	35	23	3	1	0	0	0	0	0	846
Max	0	0	0	0	0	26	94	200	287	381	425	414	492	456	342	278	189	123	36	0	0	0	0	0	3032
n	0	0	0	0	0	174	356	354	360	360	360	360	360	360	360	360	360	359	214	0	0	0	0	0	4697

Daylight Data Recovery: 0.0% missing; 0.3% exceed the 15% QC threshold -- 4713 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 25819F3    Calibration Factor: 9.070  $\mu\text{V}/\text{W}/\text{m}^2$     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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	7.2	7	6.6	6.8	6.5	6.4	6.5	7.2	8.7	10	10.4	10.5	11.1	11.1	11	10.5	9.1	7.7	7.2	7.2	7.3	7.3	6.8	6.7	8.2
2	6.6	6.8	6.7	6.5	6.5	6.7	6.7	6.9	7.6	8	10.2	11	11.9	12.3	13.4	14.3	14.6	14.5	13.2	11.6	10.1	8.3	8.3	7.9	9.6
3	8	8.2	8.7	8.5	7.8	7.5	8.2	8.5	9.6	10.3	11	11.5	12	12	12.4	13.1	14.5	14.2	13.5	13	12.2	11.5	10.7	9.8	10.7
4	9.8	8.4	7.9	7.6	8.1	7.8	8.1	9.7	11.4	12.9	13.5	13.8	13.4	13.5	13.2	12.4	11.9	11.2	9.8	8.7	8	7.4	7.2	7	10.1
5	6.2	5.1	3.9	4.1	4.1	3.8	3.8	8	11.2	12.9	14	14.4	15.1	14.5	14.5	14.3	13.5	12.7	11.2	10.1	9.8	9.4	9	8.7	9.8
6	8.5	8.3	8.4	9	9.5	10	10.8	13	15.2	16.7	18.2	19.2	20.5	21.9	22.7	23.3	23.5	23.1	22.3	21.6	20.3	19.8	18.7	19.2	16.8
7	19.4	19.1	18.9	18.8	18.6	18.3	18.1	18.7	20.6	23	26.2	28.5	29.7	23	19.9	17.4	15.5	14.5	13.9	13.5	13.1	13.2	13.2	13.7	18.7
8	14.1	14.2	14.3	14.4	14.4	14.5	14.6	15.9	18	21.8	24.1	24.8	26.2	27.5	28.8	29.6	28.6	23.1	20	18.1	16.2	15.5	16	18.4	19.7
9	20.2	20.1	19.9	19.7	19.7	19.8	20.4	21.9	23.4	24.8	26.2	28.2	30.9	30.6	28.6	28.3	27.5	25.5	24.2	23.2	22.8	23.2	23.5	23.3	24
10	23.5	22.5	21.1	20.3	18.9	18.3	18.5	21.7	24.6	25.2	25.7	20.8	16.4	15.9	16.4	16.9	14.9	11.8	11.2	11.4	11.7	12.4	13.2	13.2	17.8
11	13	11.9	11.7	12.4	13.2	14	14.3	15.7	17.7	18.9	20.8	23	24.2	25.5	26.1	25.8	25.9	24.5	23.5	22.6	22	21.6	21.3	20.9	19.6
12	20.6	20	19.5	19.2	18.9	18.5	18.8	20.4	21.9	23.2	24.7	25.7	26.2	27	28	28.4	27.8	26.3	24.6	23.5	22.6	22.3	22.4	22.2	23
13	21.8	21	20.6	20.5	20.4	19.9	19.8	20.9	22	21.4	19.3	18.7	20.8	21.4	23.1	24.3	24.4	23.5	22.6	20.8	18.9	18.2	17.4	17.2	20.8
14	17.6	17.7	17.3	16.7	15.8	14.8	15.1	16.9	18.2	18.7	19.3	20.3	21.2	22.1	19.5	19.2	18.6	17.9	16.3	15.1	15.3	15	14.9	15	17.4
15	15	15.2	15.1	14.6	14.4	14.6	14.9	16.5	18.8	21.2	23.2	24.8	25.3	25.9	25.4	24.2	21.6	19	19	19.4	19.6	19.8	19.2	18.7	19.4
16	18.1	17.9	17.5	17	16.9	16.3	15.4	15.5	15.6	15.5	15.3	14.9	15.7	15.7	15.3	13.9	12.5	12.1	11.1	10.2	9.8	9.7	9.4	9.1	14.2
17	9.6	9.3	9.7	10.9	11.7	9	6	5.9	5.6	6.2	6.7	7	7.3	6.7	5.5	4.3	4.3	4.2	3.9	4.3	4.2	4.4	4.3	3.9	6.5
18	3.3	2.9	2.3	2.1	2	1.7	2.4	4.3	6.7	8.1	9.1	9.7	9.8	10.1	10.3	10.7	10.3	10	9.1	7.5	6.3	5.6	4.8	4.5	6.4
19	4.3	4.5	4.1	3.6	2.5	1.6	2.6	5.5	8.2	11.3	12.6	13.5	14.2	14.9	15.6	16.1	16	15.5	13.2	11.7	11.8	11.4	11.1	10.8	9.9
20	10.6	10.3	10.1	10	9.9	10	11.4	14	16.5	17.8	18.8	19.8	20.6	21.1	21.1	20.5	20	19.7	18.6	17.8	17.2	16.8	16.1	16.1	16
21	16.3	16.2	15.9	16	15.9	15.7	16.3	17.7	19.3	20.6	21.8	22.8	23.8	24.4	24.9	24.9	24.1	22.6	21.6	20.4	19.7	18.9	18.4	17.9	19.8
22	17.3	16.9	16.3	15.8	15.8	15.8	16.4	18.1	19.8	21.3	22.2	23.5	24.4	25.5	25.9	26.5	26.4	25.2	23.3	21.5	20.3	19.3	18.6	18.2	20.6
23	17.9	17.4	17	16.6	16.2	15.8	16.3	17.9	19.7	21.9	23.4	24.9	25.9	26.4	26.9	26.8	26.8	25.7	23.6	21.8	20.6	19.7	19.3	18.9	21.2
24	18.5	18	17.6	17.3	16.9	16.9	17.8	19.2	20.8	22	23.2	24.3	25.1	26.3	27	27.3	27.5	27.2	25.1	23	21.9	21.4	18.3	15.9	21.6
25	15.5	14.5	13.2	12.8	11.7	10.9	10.3	9.9	10.1	9.6	9.6	9.9	9.9	9.8	9.5	9	8.7	8.7	8.7	8.8	8.9	8.9	8.9	8.9	10.3
26	8.8	8.3	7.6	7.3	7.5	7.9	8.5	10.1	11.4	11.9	12.7	13.6	14.3	14.7	15.2	15.1	14.7	13.9	12.2	10.7	9.8	8.8	8.2	6.1	10.8
27	5.1	4.8	4.8	4.8	4.4	4.4	5.7	9.3	12.8	15.7	18.2	20.1	21.5	22.3	22.9	23.2	23.3	23.1	21.7	19.3	18.1	16.9	15.8	15.1	14.7
28	14.5	14	13.6	13.3	13.2	13	13.9	15.2	16.7	17.5	17.4	18.9	19.9	20.6	20.2	19.6	18	15.9	14.1	12.7	12	11.4	10.4	10	15.2
29	9.5	9.4	9.4	7.5	6.6	6.1	8.3	11.2	13.8	15.5	16.5	17	17.7	18	17.8	17.4	16.8	15.7	13.7	11.6	10.4	10	10.1	9.4	12.5
30	9.4	9.2	9	7.4	6.5	5.6	9.1	13	15.8	18	19.3	20.2	20.5	21	21.3	21	21.3	19.4	17.1	15.4	15.1	14.3	13.3	12.3	14.8
Avg	13	12.6	12.3	12.1	11.8	11.5	12	13.6	15.4	16.7	17.8	18.5	19.2	19.4	19.4	19.3	18.8	17.6	16.3	15.2	14.5	14.1	13.6	13.3	15.3
S D	5.7	5.7	5.6	5.5	5.5	5.6	5.4	5.3	5.3	5.5	5.7	6	6.3	6.4	6.5	6.7	6.7	6.3	6	5.7	5.5	5.5	5.4	5.5	5.2
S/A	0.44	0.45	0.45	0.46	0.47	0.48	0.45	0.39	0.35	0.33	0.32	0.32	0.33	0.33	0.33	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.41	0.34
Min	3.3	2.9	2.3	2.1	2	1.6	2.4	4.3	5.6	6.2	6.7	7	7.3	6.7	5.5	4.3	4.3	4.2	3.9	4.3	4.2	4.4	4.3	3.9	6.4
Max	23.5	22.5	21.1	20.5	20.4	19.9	20.4	21.9	24.6	25.2	26.2	28.5	30.9	30.6	28.8	29.6	28.6	27.2	25.1	23.5	22.8	23.2	23.5	23.3	24
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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	?	?	?	?	?	?	99.4 ?	96.3	89.2	82.6	79.1	80.1	78.2	77.7	79	82.4	90.6	97.8	?	?	99	97.1	99.3	99.3	89.2 ?
2	99.8 ?	99.9 ?	99.9 ?	?	?	99.2 ?	98.1	95.6	86.3	79.8	65.5	60.7	54.5	50.2	43.3	39.3	37.7	37.3	41.5	48.4	57.3	71.3	67.4	76.2	68.6 ?
3	82.2	77.5	73.6	75.4	85.2	84.9	80	84.1	88.6	91.1	84.4	78.2	77.9	81.5	86	88	80.3	80.4	83.5	87	93.9	97.9	99.8	?	84.4
4	?	?	?	?	?	?	99.5 ?	94.7	85.4	76.8	70.6	64.1	65.9	64.4	63	61	58.4	59	63.2	67.5	72.9	76.8	79.8	83.1	72.6 ?
5	87.2	92.9	98.5	98.5	98.3	99.8 ?	98.1 ?	83.6	59.4	50.7	46.9	45.4	43.1	48.6	45.7	43.6	46.5	52	59.8	68.2	70.8	73	77.2	80.8	69.5
6	82.4	85.4	92.5	94.5	91.5	89.5	90.7	87	79.6	72.4	59.8	58.5	54.6	49.9	49.6	49.8	50.5	53.5	57.4	61.3	69	72.2	81.3	79.2	71.3
7	80.5	83.2	85.1	86	87.4	89.3	90.7	89.5	83.5	76.3	65.4	55.4	49.5	71.4	79.4	83.2	92	96.3	97.8	97.5	97.7	99.1	98.9	99.9	84.8
8	?	?	?	?	?	?	?	98.2 ?	93.6	82.3	73.3	70.4	65.3	58.2	51.6	46.1	49.9	71.9	82.7	90.1	95	97.2	97.3	93.6	77.5 ?
9	89.8	89.9	89.7	89.7	88.8	87	82.9	76.1	70.5	64.5	61.8	55.1	46.5	47.2	56.2	57.5	60.2	65.2	69.6	75.4	79.4	78.5	77	77	72.3
10	73.2	66.9	72.3	74.3	81.2	84.9	88	74.2	61.7	56.6	58.6	76.4	88.3	89.4	84.4	79.1	84.5	97.4	?	?	?	?	?	99.9 ?	78.5 ?
11	99.8 ?	?	?	?	?	?	?	98.8 ?	96.1	94.1	90.4	86.1	82.4	75.8	73.5	77.2	75.5	83.7	87.9	91	94.4	95.8	96.3	95.6	88.6 ?
12	95.1	95.5	93.6	90.8	92.5	96.1	97	93.8	88.9	82.8	73.5	67.7	64.8	59.7	54.6	54.3	59.4	72.9	81	86.6	90.4	90.3	89	87.5	81.6
13	85.7	86.9	88.1	88.9	90.1	92.4	93.3	89.5	84	89.7	94.3	88.5	77.7	76.5	71	65	64	67.2	71	82.7	94.1	97.2	99 ?	?	84.2
14	99.6 ?	94.3	82	71.6	68.5	67.6	64.8	57.8	44.1	40.4	41.8	40	37.4	35.8	47.1	46.9	51.1	55.6	64.6	71.7	71.7	75.3	77.6	81.9	62
15	86.7	84.6	81	82.3	82	80.1	79.9	74.8	66.4	58.3	49	41.3	39.8	33.5	35.2	45.7	62.3	81	84.6	87.1	86.7	83.4	85.3	88.1	70
16	91	92.3	94.1	94.4	89.2	81.6	72	71.8	71.3	69.2	65.6	63.4	57.2	58.5	63	78.8	85	84.8	91.1	95.1	96.7	97.9	98	98	81.7
17	96.8	99.6 ?	97.8 ?	96.3	95.9	97.1	99.2	98.4	97.6	94.9	91.9	81	74.3	79.8	89.3	95.6	97.9	99.1 ?	?	99.9 ?	99.5	94	89.4	89.6	93.7 ?
18	88.7	82.6	80.3	79.9	80.9	84.1	83	75.6	65.3	53.3	49.9	45.5	42.4	39.3	37.9	35.6	36	36.1	37.2	43.3	51	52.7	59	62.2	58.4
19	66.8	66.4	70.8	74.3	82.2	86.7	79.7	66.6	59.3	45.6	31.9	30.1	28.6	29.8	29.5	29.7	31.2	35.4	54.8	70	64.7	68.2	70.9	72.9	56.1
20	76.7	80.5	84.5	88.5	91.4	93.6	90.7	81.8	66.7	57.4	50.5	41.1	39.1	38.1	37.7	42.5	43.5	39.8	50.2	64.2	74.2	81.9	89.1	91.3	66.5
21	92.6	92.7	93.4	92.4	92.5	94.1	93.2	87.2	79.5	73.4	67.3	60.2	54.8	52.4	48.6	47.4	54.2	65	69.1	73.3	76	79.3	81.3	84.4	75.2
22	87.8	90.8	93.7	95.7	95.2	95.3	93.7	85.5	75.3	68.5	63.6	59.9	57.1	54.5	53.7	53.3	53.8	59.4	66.2	71.3	76.4	81	84.7	86.7	75.1
23	87.5	89	90.7	92.2	93.9	95.9	94.8	89.8	82	73.2	69	63.4	58.7	58.5	55.9	55.2	55.6	60.3	66.6	74.6	81.5	84.1	83.7	85.7	76.7
24	87.9	90	92.9	95.4	97.1	97.1	94.5	90.1	84.6	79.6	74.9	70.8	67	62.4	58.1	56.6	54.9	55.5	67.4	75.9	79.1	80.9	78.8	78	77.9
25	76.7	79.1	87.1	91.4	97 ?	?	98.4 ?	98.4	97.6	99.2 ?	99.7 ?	99.8 ?	99	98.4	99.8 ?	?	?	?	?	99.4	98.4	92.8	92.7	92.7	94.6 ?
26	90.8	92.4	93	93.4	91.1	89.3	88.3	80.6	67.6	66.3	57.6	43.7	33.4	30.7	36	37.5	39.4	40.8	42.9	49.3	57	62	66.2	77	63.6
27	81.7	76.9	77.7	78.8	82.4	84	81.8	67.6	60.8	50.2	39.8	34.4	30.8	29.4	28.2	28.3	28.5	30.5	36	44.5	52.1	68.8	78.8	81	56.4
28	83.5	83.5	85.7	86.3	87	87.7	81.3	73.3	67.9	62.2	49.1	52.1	55.1	50.3	48.4	46.5	42.8	52.1	63.1	70	74.6	79.2	84.7	88.7	69
29	91.1	95	98.3	99.5 ?	?	?	98 ?	90.2	73.2	54.8	45.8	38.7	31.9	29.7	30.6	35.2	36	40.5	56.5	75.7	83.4	82.4	74.5	75.2	65.3 ?
30	76.3	77.3	78.9	86.1	95.8	98.9	92.3	74.5	56	38.6	34.4	34.1	34.2	32.2	30.4	29.2	30.8	40.3	44.6	62.5	57.2	58.3	66.7	77.3	58.6
Avg	86.6	86.3	87.5	87.9	89	89.8	89.4	84.2	76.1	69.5	63.5	59.5	56.3	55.5	55.5	54.8	57	62.4	65	74.4	79.1	81.7	83.6	85.1	74.1
S D	8.3	8.8	8.4	8.1	7	7.6	9	10.9	13.8	16.6	17.8	18	18.7	19.3	19.7	19	19.8	20.9	17	16.1	15.2	12.8	11.4	9.3	10.8
S/A	0.1	0.1	0.1	0.09	0.08	0.08	0.1	0.13	0.18	0.24	0.28	0.3	0.33	0.35	0.35	0.35	0.35	0.34	0.26	0.22	0.19	0.16	0.14	0.11	0.15
Min	66.8	66.4	70.8	71.6	68.5	67.6	64.8	57.8	44.1	38.6	31.9	30.1	28.6	29.4	28.2	28.3	28.5	30.5	36	43.3	51	52.7	59	62.2	56.1
Max	99.8	99.9	99.9	99.5	98.3	99.8	99.5	98.8	97.6	99.2	99.7	99.8	99	98.4	99.8	95.6	97.9	99.1	97.8	99.9	99.5	99.1	99.8	99.9	94.6
n	304	296	301	289	283	276	297	350	360	353	357	355	360	360	355	348	348	344	312	328	345	348	342	325	7938

Data Recovery: 0.0% missing; 8.1% 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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	7	6.8	6.1	6.1	6.1	5.8	5.9	7.7	10.2	12.2	12.7	12.7	14.2	14.9	14.4	13.3	11.5	9.2	7.6	7.1	6.8	6.6	6.5	6.3	9.1
2	6.2	6.5	6.5	6.2	6.1	6.2	6.3	6.5	7.9	8.3	11.4	13.8	13.9	14.2	14.7	15.8	16.3	15.7	13.4	10.2	7.8	5.9	4.9	4.7	9.6
3	4.7	5.3	6.5	6.5	6.8	6.9	7.2	7.6	8.4	9.5	10.9	11.6	11.9	12.4	12.6	13	14.3	15.1	14	13.1	12.1	11.2	9.8	8.3	10
4	8.5	8.2	7.4	7.3	7.5	7.4	7.2	9.4	12.3	14.5	16.2	16.9	16.7	16.3	16.4	15.8	14.8	13.4	10.7	8.2	6.8	5.6	4.6	4.7	10.7
5	4	2.5	1.8	1.3	1.3	1.2	2.2	6.2	11.5	15.2	17.6	18.9	18.8	18	17.3	16.9	16	14.5	12.2	9.7	8.6	8.1	7.7	6.9	9.9
6	6.6	6.4	6.5	7.4	8.1	8.4	9.2	12.2	15.5	17.7	19.8	21.1	22.1	23	24	24.5	24.7	23.9	22.7	21.8	20.5	19.5	18.8	18.4	16.8
7	18.7	18.5	18.3	18.1	18	17.7	17.7	18.5	21	24.5	28.4	31.6	33.4	29.5	24.8	21.4	18.4	16.3	15	14.2	13.7	13.5	13.4	13.5	19.9
8	13.9	14	14	13.9	13.9	14	14.2	15.5	19.1	22.9	25.6	26.6	28.5	29.3	30.5	31.5	31.3	27.6	22.8	19.2	17	15.6	15.3	16	20.5
9	17.6	18.4	18.6	18.7	18.6	18.8	19.4	21.9	24.7	26.9	28.9	31.1	34.3	34.3	32.7	31.4	30.5	28.3	25.6	23.3	22.1	22.1	22.4	22.5	24.7
10	22.4	22.3	20.9	19.8	18	16.7	17.2	21	25.8	28.6	29.7	27.5	22.2	20.3	19.5	19.9	19.1	15.3	12.8	12	11.9	12.2	12.8	13.1	19.2
11	13	12.6	12.1	12	12.5	13	13.7	15.2	17.5	19.2	21.8	24.1	25.6	27.6	28.6	28.5	27.8	26.2	24.4	22.7	21.7	21.1	20.8	20.5	20.1
12	20.1	19.4	18.9	18.5	18.2	17.7	18	20.5	23.1	24.7	26.3	27.5	28	28.4	29.6	30.3	30.1	28.2	26.1	24	22.7	22	21.9	21.6	23.6
13	21.3	20.5	19.9	20	20	19.7	19.6	20.8	22.2	22.1	20.7	19.9	22.7	23.9	24.9	26.8	27	25.1	23.4	21	18.8	17.3	16.5	16	21.2
14	16.2	15.9	15.7	15.5	14.8	13.5	13.9	16.5	18.9	21	22.3	23.7	24.7	24.9	23.9	22.3	21	19.3	17.2	15.1	14.4	14.1	13.7	13.6	18
15	13.6	13.5	13.5	13.3	13.1	13.3	13.7	16.1	19.4	23.5	25.9	27.4	27.8	27.6	27.1	25.5	23.4	20	19.2	19.2	19.3	19.4	19	18.3	19.7
16	17.6	17.2	16.8	16.3	15.9	15.4	15.4	16.6	18	18.1	17	16.3	17.2	17	17	16.4	14.7	14.1	12.1	10	9	8.3	7.9	7.6	14.7
17	7.6	7.6	7.8	8.7	9.9	9.9	6.9	6.1	5.7	5.9	6.6	7.1	7.6	7.4	6	4.7	4	3.9	3.6	3.6	3.6	3.3	2.9	2.5	6
18	2.1	1.7	1	0.8	0.7	0.5	1.7	4.4	7.5	9.8	11.6	12.6	12.7	12.6	12.7	12.8	12.1	11	9.4	6.7	4.3	3.4	2.5	2.1	6.5
19	1.8	1.9	1.8	1.4	0.7	-0.7	0.7	5.2	9.5	13.4	15.9	16.8	17.1	17.1	17.9	18.3	18.2	17.2	14.6	11.8	10.6	9.8	9.2	8.9	10
20	8.4	8	7.7	7.4	7.6	7.6	9.2	13.2	17	19.6	21.3	22.2	22.7	23	23.2	22	21	20.5	19.4	18	17	16.5	15.6	15	16
21	15.5	15.7	15.2	15.2	15.4	15.4	15.8	18.1	20.4	22.2	23.7	24.7	25.5	26.2	26.6	26.8	25.7	23.8	22.3	20.9	19.9	18.9	18.1	17.4	20.4
22	16.7	16.2	15.5	14.9	14.6	14.7	15.6	18.3	21	23.1	24.4	25.7	26.6	27.2	27.9	28.6	28.5	27.4	24.8	22	20.3	19.1	18.3	17.6	21.2
23	17.3	16.8	16.3	16	15.5	15	15.8	17.6	20	23	25.7	27.4	28.3	28.5	29	29.2	29.3	28	25.5	22.4	20.7	19.5	18.8	18.4	21.8
24	17.9	17.4	16.9	16.6	16.1	15.9	17.2	19.7	21.9	23.4	24.8	26.2	26.9	27.7	28.7	28.9	29.1	28.5	26.7	23.7	22.1	21.3	20.2	17.3	22.3
25	16.2	15.4	14.1	13.3	12.3	11.4	10.5	9.7	9.8	9.7	9.6	9.7	9.7	9.5	9.4	9	8.8	8.5	8.2	8.1	8.2	8.4	8.5	8.6	10.3
26	8.5	8.1	6.9	6.6	7	7.1	7.9	9.7	12.5	13.9	14.9	15.6	16	16.1	16.6	17	16.8	15.8	13.6	10.6	8.9	7.3	6	4.5	11.2
27	3	2.7	2.5	2.5	2.4	2.5	4.5	8.9	13.2	16.5	19.5	21.5	22.9	23.6	24.6	25.1	25.1	24.4	22.5	18.9	16.8	15.8	14.8	14.1	14.5
28	13.4	12.9	12.3	12	11.8	11.9	13.2	15.1	16.7	19	18.7	19.8	21.5	22.8	22.9	22.8	21.4	18.9	15.8	12.8	11	9.8	8.7	7.8	15.6
29	6.8	6.5	6.9	5.8	5.1	4.3	6.5	10.3	14.4	17.6	19.3	20.3	20.7	20.5	20.9	20.7	19.9	18.3	15.2	11.8	9.6	8	7.5	6.9	12.6
30	6	5.4	5	4.6	3.8	3.5	6	11.6	16.4	20.5	22.8	24.4	24.1	23.7	24.1	24.1	23.8	22.4	19.1	15.7	14.1	13.2	11.8	10.5	14.8
Avg	11.8	11.5	11.1	10.9	10.7	10.5	11.1	13.3	16.1	18.2	19.8	20.8	21.5	21.6	21.6	21.4	20.8	19.4	17.3	15.3	14	13.2	12.6	12.1	15.7
S D	6.2	6.2	6.1	6	5.9	5.9	5.6	5.4	5.6	5.9	6.2	6.4	6.7	6.7	6.8	6.9	7	6.7	6.3	6	5.9	5.9	6	6	5.4
S/A	0.53	0.54	0.54	0.55	0.55	0.56	0.51	0.4	0.35	0.32	0.31	0.31	0.31	0.31	0.31	0.32	0.34	0.35	0.37	0.4	0.42	0.45	0.48	0.5	0.34
Min	1.8	1.7	1	0.8	0.7	-0.7	0.7	4.4	5.7	5.9	6.6	7.1	7.6	7.4	6	4.7	4	3.9	3.6	3.6	3.3	2.5	2.1	2.1	6
Max	22.4	22.3	20.9	20	20	19.7	19.6	21.9	25.8	28.6	29.7	31.6	34.3	34.3	32.7	31.5	31.3	28.5	26.7	24	22.7	22.1	22.4	22.5	24.7
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: CSI Serial Number: TC-107 Calibration Factor: 1.00 deg C/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	2.9	2.6	2.2	2.2	2.3	2.1	1.2	2.1	2.3	2	1.4	2.5	2.7	2.2	2.8	2.9	3.9	3.9	3.9	3.9	3.8	3.1	2.3	2	2.6
2	1.6	1.1	1.4	1.4	1.3	1.5	1.5	2	2.7	1.7	2.3	2.6	3.8	3.6	3.1	3.4	2.9	2.4	1.1	0.6	0.5	0.2	0.6	0.5	1.8
3	0.9	1.2	1.3	0.5	0.6	1	0.4	0.4	1.3	1	1.3	1.3	2.6	2.4	1.7	2.2	2	2.6	2.6	1.6	0.7	1	0.5	0.1	1.3
4	0.9	2.1	2	3.3	2.2	2.5	1.8	2.8	3.4	4	4.2	4.4	4.8	4.1	4.3	4.3	3.7	3.4	2.5	2.4	1.5	0.6	1.7	1.3	2.8
5	0.8	0	0.2	0.5	0.2	0.6	0.1	0.3	1	1.4	1.3	2.4	2.1	4.1	3.9	3.9	4.2	3.3	3.2	2.2	2.1	2.4	1.6	0.9	1.8
6	1.7	1.4	1.7	1.1	1.1	1.2	1.8	2.5	4	4	5.4	5.2	5.9	6.6	6.8	7	6	5	4.5	3.6	2	2.5	1.9	3.2	3.6
7	3.3	3.2	3.1	3.3	3.2	3.3	3.2	3.7	2.9	3.3	2.4	1.7	1.3	5.7	5.4	5.5	5.5	4.9	4.3	4.6	4.3	3.9	3.8	3.3	3.7
8	2.5	1.5	0.8	0.4	0.2	0.1	0.1	0.4	2	3.5	3.9	3.2	3.8	4.5	3.3	2.9	2.7	2.5	1.8	1.7	1	1	1.1	1.6	1.9
9	2.1	2.3	2.5	2.7	2.4	2.6	2.9	3.2	3.6	3.9	3.1	1.6	1.1	2.5	4.4	3.8	4.1	3.4	2	1.5	2.5	2.4	2.8	3.2	2.8
10	3.5	2	1.9	1	0.3	0.3	0.8	0	0.4	1.7	3	5.6	5.5	5	4.2	3.8	4.8	4.2	4.1	4.7	4.3	3.2	2.7	2.6	2.9
11	4.4	4.8	4.4	4.3	3.5	1.8	1.3	2.4	2.8	1.6	2.2	2.9	3.2	3.5	3.5	3.8	3.1	3	2.4	2.1	2	2	2.3	2.5	2.9
12	2.3	2.3	2.5	2.4	2.2	2	2.4	3.7	5	5.6	5.7	5.3	5.1	4.4	4.4	3.8	3.7	3.6	3	3.4	3.5	3.6	3.4	3	3.6
13	2.4	2.7	3	3	3	2.4	2.5	3.2	3.8	2.7	3.2	2.2	0.8	1.9	2.1	2.3	1.6	2	1.2	1	1	0.5	0.4	0.7	2.1
14	1	1.2	2.9	2.5	2.5	2	1.8	2.1	3.4	3.5	3.1	2.2	2.1	2	4.4	4	3.6	2.9	2.9	2.4	2.3	2.2	2.2	2.2	2.6
15	1.6	1.8	2.2	2.3	2.4	2.1	2.5	2.9	2	1.9	2.5	3.3	4.4	6.2	6.2	5.8	6.4	3.7	3.6	4.2	4.9	6.5	5.7	4.8	3.7
16	3.9	4.2	3.8	3.7	4	3.9	4	4.1	5.7	4.5	4.8	4	4.3	3.6	4	3.6	3.8	3.8	2.9	2.8	2.2	1.2	1.4	2	3.6
17	1.7	1.3	1.6	1.9	2.4	5.2	5.4	4.7	4.5	4	3.3	2.4	2.6	2.5	2.6	1.9	0.7	1.5	1.6	3.1	4.1	3.4	2.9	3.6	2.9
18	4	3.6	3.8	3.9	4	3.6	4	4.1	4.7	4.8	4.4	4.1	3.8	3.3	3.6	3.9	3.9	2.7	2.6	1.2	1	1.1	1.3	1.5	3.3
19	1.4	1.5	1.4	1.5	0.9	0.6	1	1.4	1.5	1.7	2.6	3	2.7	3.1	3.1	3	3.3	3	3	2.8	2.3	2.1	1.8	1.9	2.1
20	1.5	1.3	1.3	1.3	1.4	1.4	1.8	2.4	3	3.6	4.3	4.4	4.8	4.4	4.5	3.1	3.1	3.7	3.2	3.3	2.7	2.9	2.8	3.3	2.9
21	3.8	3.8	3.4	3.8	3.4	2.8	2.9	3.4	5.1	5.9	5.8	6	5.5	5.6	5.2	4.8	3.8	3.3	3.3	3.2	3.6	3.8	3.6	3.4	4.1
22	3	3	1.8	2	2.1	2.3	2.2	3	4.7	4.9	5.1	4.6	4.7	4.3	4.1	3.7	3.5	3.2	2.7	2.7	3.1	3.4	3.3	3.5	3.4
23	3	2.5	2.8	2.6	2	1.9	2.6	3.3	4	4	3.6	3.4	4	4.5	4.2	4.5	3.5	3.5	2.6	3.3	3.2	3.5	3.9	4	3.4
24	3.8	3.6	3.9	3.5	3	3.2	4.2	5	6.4	6.7	6	5.9	5.9	5.7	5.5	5.3	4.6	3.4	3.1	3.3	3.7	2.7	4.7	3.9	4.5
25	3.6	3.9	4.1	4.1	3.8	3.9	3.2	3.5	3.8	3.4	3.1	3.6	3.8	2.6	3.5	3.3	2.9	3.2	3	2.4	2.5	2.6	2.1	2.9	3.3
26	3.2	3.4	3.3	3	3.8	4	4.3	4	5.7	6	5.5	5.7	6.2	6.9	6	6.4	4.7	3.9	3.5	3.1	2.2	1.2	1	0.6	4.1
27	1.4	1.5	1.8	1.5	2.3	1.6	1.7	2.3	3.2	3.4	4.2	3.9	3.4	3.5	3.5	3.6	3.9	3.2	1.1	1	1.5	2.3	2.2	2.1	2.5
28	2.2	2	1.8	1.9	2.2	2.1	2.1	1.9	2.4	4	4.4	3.2	3.4	3.8	3.9	4.3	4.7	3.9	3.2	2.4	1.5	1.4	1.3	0.6	2.7
29	0.3	1.4	0.7	0.4	0.4	0.6	1	2.1	2	2.8	3	3.1	2.7	2.7	3.2	3.4	3.3	3	3.2	2.3	1.4	1.1	0.8	0.9	1.9
30	0.5	0.3	0.6	0	0.5	0.3	0	1.1	1.1	1.5	1	2	2.5	2.9	2.7	3.3	2.5	3.8	2.9	2.3	2.2	1.4	0.7	0.7	1.5
Avg	2.3	2.2	2.3	2.2	2.1	2.1	2.2	2.6	3.3	3.4	3.5	3.5	3.6	3.9	4	3.9	3.7	3.3	2.8	2.6	2.5	2.3	2.2	2.2	2.9
S D	1.2	1.2	1.1	1.2	1.2	1.3	1.4	1.3	1.5	1.5	1.4	1.4	1.5	1.4	1.2	1.2	1.2	0.7	0.9	1	1.2	1.3	1.3	1.3	0.8
S/A	0.5	0.52	0.49	0.56	0.56	0.6	0.63	0.5	0.47	0.44	0.4	0.39	0.4	0.35	0.3	0.3	0.32	0.22	0.3	0.4	0.48	0.57	0.58	0.57	0.28
Min	0.3	0	0.2	0	0.2	0.1	0	0	0.4	1	1	1.3	0.8	1.9	1.7	1.9	0.7	1.5	1.1	0.6	0.5	0.2	0.4	0.1	1.3
Max	4.4	4.8	4.4	4.3	4	5.2	5.4	5	6.4	6.7	6	6	6.2	6.9	6.8	7	6.4	5	4.5	4.7	4.9	6.5	5.7	4.8	4.5
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: 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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	88	118	134	79	85	81	89	109	136	120	159	148	167	198	177	147	127	109	85	78	79	54	50	19	108
2	33	20	5	359	4	2	4	23	25	24	46	14	337	4	42	355	33	16	13	343	260	269	288	285	11
3	292	297	302	79	95	132	146	168	205	260	272	239	258	265	279	275	273	303	312	306	287	294	308	312	278
4	42	74	68	76	101	99	101	104	117	141	141	147	131	131	128	151	151	153	163	161	164	159	165	156	130
5	136	33	10	62	78	82	44	116	110	132	169	198	221	223	209	203	203	198	218	220	217	216	236	238	204
6	245	253	256	264	265	267	268	278	301	289	299	287	296	301	310	311	314	318	311	318	293	299	291	320	299
7	319	319	332	334	339	338	5	4	350	335	11	49	116	147	166	155	165	153	157	182	167	168	173	213	164
8	174	188	200	231	69	254	17	22	342	325	352	5	348	354	354	312	283	186	171	142	170	192	223	272	320
9	283	293	295	303	300	319	322	329	358	350	343	355	146	185	197	192	215	208	224	237	279	302	309	310	285
10	21	128	214	246	316	105	122	87	150	135	147	143	154	153	159	154	149	160	164	161	172	197	182	163	157
11	88	124	155	177	191	173	162	205	213	187	194	235	236	256	280	223	233	219	222	238	266	276	277	267	211
12	277	271	274	283	280	276	277	295	306	302	322	298	305	299	303	285	272	277	263	281	292	299	289	283	291
13	282	287	277	286	296	292	299	315	318	28	47	75	5	344	306	320	45	65	71	197	221	296	283	309	321
14	337	53	85	94	85	84	109	123	127	133	77	115	70	2	203	206	202	205	215	219	248	250	270	285	157
15	286	285	307	315	318	323	325	344	0	2	312	317	294	319	298	316	293	293	311	302	322	308	331	310	313
16	331	345	6	347	16	44	67	49	63	51	63	72	76	57	99	130	135	154	147	162	163	183	230	230	67
17	233	248	250	256	277	87	97	112	94	111	127	96	73	62	87	91	96	354	336	12	6	343	340	7	65
18	7	355	359	353	343	1	356	3	28	30	22	9	6	38	8	16	1	48	12	356	343	329	315	317	7
19	314	324	327	307	26	10	359	349	325	324	329	345	326	290	313	300	266	277	227	219	260	257	264	281	297
20	283	270	266	255	253	249	259	252	265	276	266	258	266	274	271	276	269	258	258	286	283	281	265	275	268
21	287	288	290	299	293	296	297	298	317	328	311	305	305	305	311	309	268	270	282	266	276	279	295	282	297
22	284	286	277	288	284	281	282	306	300	297	321	299	304	299	314	300	294	277	275	275	280	289	289	291	294
23	298	306	312	308	303	305	300	306	314	330	314	295	279	271	280	271	276	265	266	267	271	285	291	287	290
24	294	287	297	293	295	295	303	304	306	318	306	308	306	317	305	302	282	287	279	282	289	348	98	123	303
25	119	111	108	113	94	89	111	94	117	119	116	143	140	126	105	111	103	100	99	106	119	133	96	112	112
26	97	85	102	85	91	97	93	104	99	109	92	111	93	101	98	91	102	111	125	115	97	86	84	6	99
27	18	18	25	19	6	28	17	344	344	354	6	6	352	8	341	348	333	342	314	282	277	285	276	300	347
28	307	301	303	302	313	330	357	34	91	117	135	140	147	137	145	153	146	151	155	145	166	148	138	140	140
29	146	144	156	81	60	60	92	99	115	134	164	169	126	145	160	157	158	161	157	176	212	200	212	230	152
30	206	242	206	44	76	46	69	218	249	253	267	205	211	181	245	249	253	225	219	225	258	247	244	273	231
Avg	322	317	313	324	336	12	6	357	360	2	357	318	302	300	272	256	234	217	220	231	258	277	280	285	291
n	359	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	359	360	359	8637

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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	5.1	4.3	3.6	4.1	4.1	3.9	2.7	3.8	3.8	3.5	2.4	4	4.3	3.6	4.2	4.5	5.9	6.3	6.3	6.4	7	5.4	4.9	4.3	4.5
2	3.7	2.9	3	2.9	2.9	3.2	3.4	4.1	5.1	3.4	4.5	4.6	5.9	6.4	5.9	5.8	5.4	4.4	2.1	0.9	0.8	0.6	1.2	1.2	3.5
3	1.4	1.8	1.9	0.8	1.1	1.6	0.9	0.8	2.1	1.9	2.2	2.1	4	3.7	3.1	3.9	3.6	4.4	4.1	2.3	1.4	1.6	0.7	0.2	2.2
4	1.7	3	3.2	5.5	3.8	4.3	3.2	4.6	5.4	6.2	6.9	6.6	7.2	7	6.6	6.3	5.8	5	4	3.6	2.4	1	2.3	1.8	4.5
5	1.1	0.1	0.4	0.8	0.5	0.9	0.4	1	1.9	2.5	2.8	3.9	3.8	5.9	5.9	5.7	6.1	4.9	4.5	3.2	3.1	3.2	2.4	1.6	2.8
6	2.3	2.2	2.5	1.8	1.9	2	3	3.9	5.9	6.4	8.1	8.2	8.9	9.6	10.6	10.6	8.7	7.6	6.4	5	3.1	3.8	2.8	4.5	5.4
7	4.7	4.4	4.6	4.8	4.7	4.7	4.6	5.6	5	5.1	4.1	3.4	3.4	8.2	8	8.1	8.1	7.1	6.6	6.5	6.5	5.8	5.6	4.9	5.6
8	3.8	2.3	1.6	0.8	0.4	0.2	0.6	1.3	3.4	5.2	5.6	5.5	6.1	7.2	5.3	4.4	4	3.7	2.8	2.5	1.7	1.6	1.6	2.4	3.1
9	3.2	3.3	3.7	3.8	3.5	3.8	4.3	4.9	5.3	5.6	4.9	2.9	2.3	4.2	6.2	5.2	5.6	4.8	2.9	2.4	3.7	3.5	4.3	4.4	4.1
10	5.6	3.3	2.7	1.6	0.8	0.8	1.4	0.2	1.1	3.1	4.5	8.3	8	7.5	6.5	5.8	7.2	6.2	6	7.2	6.5	5.1	4.2	3.7	4.5
11	6.7	7.4	6.8	6.4	5.1	2.8	2	3.7	4.1	2.5	3.5	4.5	4.7	5.5	5.7	5.5	4.5	4.2	3.5	3.1	3.2	3.2	3.9	3.9	4.4
12	3.8	3.6	3.8	3.8	3.7	3.2	3.8	5.9	7.6	8.3	8.4	8.2	7.7	6.9	7.2	6.3	6	5.9	4.8	5.7	5.5	5.8	5.1	4.4	5.6
13	3.8	4	4.7	4.5	4.6	3.7	3.8	5.1	5.4	4.9	6.3	4	1.8	3.2	3.4	3.6	3.2	3.6	2.1	1.8	1.5	0.9	0.7	0.9	3.4
14	1.5	2.1	4.5	3.8	3.9	2.9	3	3.6	5.4	5.3	5.1	4	4.1	3.8	6.5	5.7	5.1	3.9	4	3.3	3.4	3.5	3.5	3.3	4
15	2.5	2.6	3	2.9	3.1	2.7	3.3	4.2	3.2	3.2	4.3	5.3	6.9	9.2	9.1	8.8	9.8	5.8	5.9	6.7	7.5	9.3	8.9	7	5.6
16	5.8	6.3	5.8	5.6	6.4	7.4	7.3	7.6	8.9	8.1	7.9	7.3	7	6.3	6.3	5.7	5.9	5.5	4.5	4.1	3.2	2	2.1	2.8	5.8
17	2.4	2	2.7	3	3.8	8.3	8.1	8.2	7.7	6.6	5.5	4.3	4.5	4.5	4.5	3.6	1.9	2.8	2.9	5.4	7	6	4.4	5.5	4.8
18	6.1	6.1	6.1	6.1	6.1	5.3	6.3	7.5	7.9	8.7	7.8	7.4	6.9	6.3	7.2	7	6.7	5	4.5	1.9	1.5	1.6	1.6	2	5.6
19	1.7	1.8	2	1.8	1.3	1.1	1.8	2.5	2.4	2.9	4.6	5.1	5.1	5.3	5.2	5.2	5.1	4.6	4.1	4	3.7	3.3	2.8	3	3.4
20	2.4	2	1.9	2	2	2	2.6	3.8	4.8	5.8	6.5	7	7.3	7	7.4	5	5.2	5.7	5.6	5.2	4.4	4.8	4.6	5.1	4.6
21	5.8	5.7	5.5	5.8	5.4	4.5	4.5	5.8	8.1	9.1	9	8.9	8.5	8.5	7.8	7.4	6.3	5.5	5.7	5.2	6	5.8	6.1	5.3	6.5
22	4.5	4.6	3.4	3.4	3.3	3.4	3.5	4.6	6.8	7.3	7.6	7.2	7.1	7	6.4	5.8	5.3	5.1	4.4	4.6	4.8	5.1	4.9	5.2	5.2
23	4.4	3.8	4	3.8	2.9	2.8	3.7	4.7	5.6	5.9	5.4	5.3	6	6.9	7	7.2	5.8	6	4.6	5.4	5.6	5.5	6.1	6.3	5.2
24	5.9	5.7	5.9	5.5	4.4	4.7	6.4	7.8	9.4	9.6	8.9	8.9	8.9	8.6	8.6	8.3	7.2	5.5	4.9	5.5	5.6	4.4	7.5	6.2	6.9
25	5.8	6.1	6.6	6.8	6.3	6.2	5.8	5.4	6.5	5.4	5.3	6	6.3	4.7	6	5.6	4.8	5.4	4.9	4.3	4.8	4.4	4.1	5	5.5
26	5.7	5.6	5.2	5.1	6.1	6.9	6.8	6.7	9.3	9.9	8.9	9.5	9.9	10.5	9.8	10	8	6.6	6.1	5.2	3.7	2.1	1.8	1.1	6.7
27	2.1	2.4	3.1	2.6	3.3	2.5	3	3.6	4.8	5.4	6.6	6.5	6	5.9	6	5.5	5.9	4.7	1.7	1.6	2.4	3.4	3.2	3.1	4
28	3	2.8	2.6	2.8	3	2.9	3.3	3.6	4.1	6.6	6.9	5.1	5.4	6.1	6.5	6.9	7.4	5.8	5	3.7	2.6	2.2	1.9	1.3	4.2
29	0.9	1.9	1.3	0.8	0.8	1	1.5	3.6	3.7	4.6	4.8	4.9	4.7	4.4	5	4.9	5	4.5	4.7	3.6	2.3	1.8	1.4	1.3	3.1
30	1	0.7	0.9	0.2	0.9	0.6	0	1.8	2.1	2.6	2.2	3.5	4.4	4.9	4.7	5	4	5.1	4	3.4	3.4	2.4	1.3	1.2	2.5
Avg	3.6	3.5	3.6	3.5	3.3	3.3	3.5	4.3	5.2	5.5	5.7	5.8	5.9	6.3	6.4	6.1	5.8	5.2	4.4	4.1	4	3.6	3.5	3.4	4.6
SD	1.8	1.8	1.7	1.9	1.8	2	2.1	2.1	2.3	2.3	2	2	2	1.9	1.7	1.7	1.7	1	1.3	1.7	1.9	2	2	1.9	1.2
S/A	0.5	0.52	0.48	0.55	0.55	0.61	0.59	0.48	0.43	0.41	0.36	0.34	0.34	0.3	0.27	0.28	0.29	0.2	0.3	0.4	0.48	0.54	0.58	0.55	0.27
Min	0.9	0.1	0.4	0.2	0.4	0.2	0	0.2	1.1	1.9	2.2	2.1	1.8	3.2	3.1	3.6	1.9	2.8	1.7	0.9	0.8	0.6	0.7	0.2	2.2
Max	6.7	7.4	6.8	6.8	6.4	8.3	8.1	8.2	9.4	9.9	9	9.5	9.9	10.5	10.6	10.6	9.8	7.6	6.6	7.2	7.5	9.3	8.9	7	6.9
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: 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**

**April 2001**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1006	1005	1004	1004	1004	1004	1004	1004	1004	1004	1004	1002	1002	1001	1000	999	1000	1001	1002	1003	1004	1006	1007	1008	1003
2	1009	1009	1010	1011	1012	1013	1014	1015	1015	1016	1016	1016	1015	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1017	1014
3	1017	1017	1017	1017	1018	1018	1018	1018	1018	1019	1019	1018	1017	1016	1016	1015	1014	1014	1014	1015	1016	1015	1015	1016	1017
4	1016	1016	1017	1017	1018	1019	1020	1021	1022	1022	1023	1023	1023	1023	1023	1023	1024	1024	1024	1025	1025	1025	1025	1025	1022
5	1026	1025	1025	1025	1025	1026	1026	1027	1027	1028	1028	1027	1027	1026	1025	1025	1024	1024	1024	1025	1025	1024	1024	1024	1025
6	1024	1023	1022	1022	1022	1022	1022	1022	1022	1021	1020	1019	1018	1017	1016	1015	1014	1014	1014	1015	1015	1015	1015	1015	1019
7	1014	1014	1014	1014	1014	1015	1016	1017	1017	1018	1018	1017	1017	1018	1018	1018	1019	1019	1019	1019	1020	1020	1020	1020	1017
8	1019	1018	1017	1017	1017	1017	1017	1018	1018	1017	1017	1016	1016	1015	1014	1013	1013	1013	1013	1013	1014	1014	1013	1013	1015
9	1012	1012	1011	1011	1011	1012	1012	1013	1012	1012	1012	1011	1011	1010	1009	1008	1008	1008	1007	1007	1007	1007	1008	1008	1010
10	1009	1010	1009	1009	1009	1010	1011	1012	1013	1014	1014	1015	1015	1015	1014	1014	1015	1015	1016	1016	1017	1018	1018	1018	1013
11	1019	1019	1018	1017	1017	1017	1018	1018	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
12	1018	1017	1017	1018	1018	1018	1019	1019	1019	1019	1018	1018	1017	1016	1016	1015	1014	1014	1014	1014	1014	1014	1013	1013	1016
13	1013	1013	1012	1012	1012	1013	1013	1013	1013	1014	1014	1014	1013	1012	1011	1010	1011	1011	1011	1011	1012	1012	1012	1012	1012
14	1011	1011	1012	1012	1013	1014	1015	1015	1015	1016	1016	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1013
15	1012	1011	1010	1010	1010	1010	1010	1010	1010	1009	1009	1008	1007	1005	1004	1003	1002	1002	1001	1001	1000	1000	1000	1000	1006
16	999	999	999	999	999	1001	1002	1003	1004	1005	1005	1006	1006	1007	1007	1008	1008	1009	1009	1010	1010	1010	1010	1009	1005
17	1009	1008	1007	1007	1007	1008	1010	1010	1009	1009	1009	1008	1008	1007	1007	1007	1007	1008	1008	1009	1010	1011	1010	1010	1008
18	1010	1010	1010	1010	1010	1011	1012	1012	1013	1014	1014	1014	1014	1015	1015	1015	1016	1016	1017	1018	1019	1019	1019	1020	1014
19	1020	1020	1020	1021	1021	1022	1023	1024	1025	1025	1025	1024	1024	1023	1023	1022	1022	1023	1023	1024	1025	1025	1026	1026	1023
20	1026	1026	1026	1026	1026	1027	1027	1028	1028	1028	1028	1028	1027	1026	1026	1025	1025	1025	1024	1024	1025	1026	1026	1026	1026
21	1026	1026	1026	1026	1026	1027	1028	1029	1029	1029	1029	1028	1028	1027	1027	1026	1026	1026	1026	1027	1027	1027	1028	1028	1027
22	1028	1028	1028	1028	1028	1028	1028	1029	1028	1028	1028	1027	1026	1026	1025	1024	1024	1024	1024	1024	1024	1024	1024	1024	1026
23	1024	1023	1023	1023	1023	1024	1024	1024	1024	1024	1023	1023	1022	1021	1020	1019	1019	1019	1019	1019	1019	1019	1018	1018	1021
24	1018	1017	1017	1017	1017	1018	1018	1018	1018	1017	1017	1016	1016	1015	1014	1013	1013	1013	1013	1013	1014	1015	1016	1016	1016
25	1017	1017	1017	1017	1017	1018	1019	1019	1019	1020	1020	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1019
26	1019	1018	1018	1018	1018	1018	1018	1019	1019	1020	1020	1019	1019	1019	1019	1019	1019	1018	1018	1018	1019	1018	1018	1019	1019
27	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1017	1016	1016	1015	1015	1015	1016	1016	1017	1016	1016	1017
28	1016	1016	1016	1016	1016	1017	1018	1018	1019	1020	1020	1020	1021	1021	1021	1021	1022	1023	1024	1024	1025	1025	1026	1026	1020
29	1026	1027	1027	1028	1028	1029	1030	1031	1032	1032	1033	1032	1032	1031	1031	1031	1030	1030	1030	1030	1030	1030	1030	1030	1030
30	1030	1029	1029	1029	1029	1029	1029	1030	1030	1030	1029	1028	1027	1026	1025	1025	1024	1024	1023	1023	1023	1023	1023	1023	1027
Avg	1017	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1018	1018	1017	1017	1016	1016	1016	1017	1017	1017	1018	1018	1018	1017
SD	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	
Min	999	999	999	999	999	1001	1002	1003	1004	1004	1004	1002	1002	1001	1000	999	1000	1001	1001	1001	1000	1000	1000	1000	1003
Max	1030	1029	1029	1029	1029	1029	1030	1031	1032	1032	1033	1032	1032	1031	1031	1031	1030	1030	1030	1030	1030	1030	1030	1030	1030
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