

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

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	27	159	338	531	706	801	907	526	510	651	398	329	192	46	0	0	0	0	0	6121
2	0	0	0	0	0	30	161	354	542	574	798	923	929	859	771	620	432	227	40	0	0	0	0	0	7260
3	0	0	0	0	0	19	131	317	448	754	808	944	716	818	793	619	400	202	59	1	0	0	0	0	7030
4	0	0	0	0	0	29	157	355	534	728	875	933	933	776	735	566	385	202	51	2	0	0	0	0	7261
5	0	0	0	0	0	33	143	324	545	753	849	908	839	808	755	601	412	210	48	0	0	0	0	0	7228
6	0	0	0	0	0	17	127	90 ?	231	277	335	108 ?	162	421	573	411	450	234	51	0	0	0	0	0	3487
7	0	0	0	0	0	26	167	376	569	727	839	899	934	913	809	635	443	235	50	0	0	0	0	0	7621
8	0	0	0	0	0	28	161	368	566	754	762	836	856	668	780	627	423	220	45	0	0	0	0	0	7094
9	0	0	0	0	0	28	157	356	556	665	584	667	434	669	684	619	421	216	43	0	0	0	0	0	6098
10	0	0	0	0	0	32	157	359	560	731	845	938	947	842	740	590	416	200	30	0	0	0	0	0	7387
11	0	0	0	0	0	29	150	349	543	714	846	912	922	865	697	569	365	222	46	0	0	0	0	0	7229
12	0	0	0	0	0	20	146	282	506	676	806	863	882	823	706	540	348	169	33	0	0	0	0	0	6800
13	0	0	0	0	0	18	112	279	451	666	729	835	866	800	701	496	346	183	39	0	0	0	0	0	6521
14	0	0	0	0	0	18	103	242	531	577	733	967	630	683	714	399	410	194	36	0	0	0	0	0	6236
15	0	0	0	0	0	7	37	191	391	401	382	949	892	809	641	456	188	220	37	0	0	0	0	0	5601
16	0	0	0	0	0	6	61	154	311	295	440	482	334	630	512	476	278	76	3	0	0	0	0	0	4059
17	0	0	0	0	0	29	159	305	502	651	735	820	553	587	576	455	300	179	14	0	0	0	0	0	5865
18	0	0	0	0	0	9	55	215	311	677	807	855	872	301	417	349	56	104	17	0	0	0	0	0	5046
19	0	0	0	0	0	17	111	271	457	613	744	819	833	797	698	517	332	138	17	0	0	0	0	0	6367
20	0	0	0	0	0	15	44	281	495	661	748	738	855	191	? 43 ?	139	133	25	0	0	0	0	0	0	4369 ?
21	0	0	0	0	0	18	112	280	446	571	796	866	872	796	639	501	340	154	30	0	0	0	0	0	6420
22	0	0	0	0	0	14	89	291	435	612	764	751	865	796	698	528	325	163	30	0	0	0	0	0	6360
23	0	0	0	0	0	15	105	290	479	635	752	819	825	765	632	366	290	122	22	0	0	0	0	0	6118
24	0	0	0	0	0	14	96	275	298	628	719	813	802	405	569	370	39 ?	20 ?	8	0	0	0	0	0	5057
25	0	0	0	0	0	20	110	248	471	668	617	701	432	574	676	415	293	116	8	0	0	0	0	0	5351
26	0	0	0	0	0	9	16	48	138	163	249	269	355	544	565	311	104	18 ?	0	0	0	0	0	0	2787
27	0	0	0	0	0	8	51	115	53	211	336	516	621	336	149 ?	104 ?	120	17	3	0	0	0	0	0	2640
28	0	0	0	0	0	4	32	132	216	325	347	348	256	171	267	125	95	41	8	0	0	0	0	0	2364
29	0	0	0	0	0	0	26	69	104	131	362	384	459	195	181 ?	73 ?	129	21	5	0	0	0	0	0	2139
30	0	0	0	0	0	5	29	80	161	243	238	188	69 ?	115	108	65	47	16	5	0	0	0	0	0	1368
31	0	0	0	0	0	3	29	101	128	176	310	232	311	277	131	199	130	33	8	0	0	0	0	0	2068
Avg	0	0	0	0	0	18	103	249	404	547	644	716	670	605	586	421	283	144	28	0	0	0	0	0	5398
S D	0	0	0	0	0	10	51	102	160	206	213	259	264	245	210	184	136	77	18	0	0	0	0	0	1871
S/A	0	0	0	0	0	0.55	0.49	0.41	0.4	0.38	0.33	0.36	0.39	0.41	0.36	0.44	0.48	0.53	0.65	3.62	0	0	0	0	0.35
Min	0	0	0	0	0	0	16	48	53	131	238	108	69	115	108	43	39	16	0	0	0	0	0	0	1368
Max	0	0	0	0	0	33	167	376	569	754	875	967	947	913	809	635	450	235	59	2	0	0	0	0	7621
n	0	0	0	0	0	232	370	364	371	372	372	368	366	369	348	353	361	360	303	5	0	0	0	0	4914

Daylight Data Recovery: 0.0% missing; 1.8% exceed the 15% QC threshold -- 5004 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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	57	315	470	594	661	556	613	173	218	461	292	387	355	140	0	0	0	0	0	5294
2	0	0	0	0	0	131	437	612	664	478	645	805	803	752	762	698	678	554	158	0	0	0	0	0	8176
3	0	0	0	0	0	51	283	459	415	636	572	752	359	595	768	715	567	414	204	0	0	0	0	0	6791
4	0	0	0	0	0	122	421	610	580	682	714	771	781	606	688	606	497	327	129	0	0	0	0	0	7534
5	0	0	0	0	0	59	220	364	445	628	727	741	586	644	716	690	610	447	164	0	0	0	0	0	7040
6	0	0	0	0	0	0	95	1	8	10	7	0	2	51	295	308	617	527	200	0	0	0	0	0	2121
7	0	0	0	0	0	129	548	726	787	742	723	764	864	901	875	840	793	676	325	0	0	0	0	0	9693
8	0	0	0	0	0	158	546	717	792	686	538	572	676	514	825	821	739	611	265	0	0	0	0	0	8462
9	0	0	0	0	0	168	510	659	727	657	451	247	123	427	680	813	735	601	265	0	0	0	0	0	7063
10	0	0	0	0	0	205	544	713	793	820	812	864	862	762	722	704	662	432	66	0	0	0	0	0	8962
11	0	0	0	0	0	149	466	656	730	782	832	842	835	782	613	608	459	434	110	0	0	0	0	0	8298
12	0	0	0	0	0	32	186	303	517	577	636	621	642	626	584	506	404	281	66	0	0	0	0	0	5981
13	0	0	0	0	0	29	148	279	337	444	463	551	604	550	537	420	326	265	60	0	0	0	0	0	5013
14	0	0	0	0	0	17	82	170	505	297	386	740	133	171	474	203	684	546	192	0	0	0	0	0	4601
15	0	0	0	0	0	8	0	57	173	150	172	780	766	739	560	458	185	339	84	0	0	0	0	0	4472
16	0	0	0	0	0	2	0	1	18	5	19	14	2	94	161	236	145	1	0	0	0	0	0	0	700
17	0	0	0	0	0	20	280	415	524	561	548	509	41	151	427	414	315	289	3	0	0	0	0	0	4497
18	0	0	0	0	0	0	8	74	58	679	759	714	636	80	176	203	0	20	1	0	0	0	0	0	3410
19	0	0	0	0	0	23	165	301	421	489	558	589	588	577	511	409	202	2	0	0	0	0	0	0	5410
20	0	0	0	0	0	24	12	296	528	630	640	471	644	23	0	0	16	37	3	0	0	0	0	0	3325
21	0	0	0	0	0	6	131	309	340	410	650	677	661	533	448	426	426	289	81	0	0	0	0	0	5388
22	0	0	0	0	0	11	74	321	320	383	449	430	660	620	647	573	390	242	53	0	0	0	0	0	5173
23	0	0	0	0	0	25	217	440	551	586	610	621	611	572	473	201	264	152	22	0	0	0	0	0	5345
24	0	0	0	0	0	9	118	219	84	475	477	544	535	113	365	249	0	1	1	0	0	0	0	0	3191
25	0	0	0	0	0	20	146	382	562	576	316	375	141	311	451	266	284	158	0	0	0	0	0	0	3990
26	0	0	0	0	0	7	0	0	1	0	1	1	2	91	281	106	0	0	0	0	0	0	0	0	490
27	0	0	0	0	0	0	1	2	0	4	7	62	108	36	0	0	1	0	0	0	0	0	0	0	223
28	0	0	0	0	0	0	0	1	4	37	13	30	1	0	10	1	0	0	0	0	0	0	0	0	96
29	0	0	0	0	0	0	0	0	0	1	22	11	57	1	0	0	1	0	0	0	0	0	0	0	94
30	0	0	0	0	0	0	0	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	5
31	0	0	0	0	0	0	0	0	0	0	2	1	3	1	0	1	1	0	0	0	0	0	0	0	12
Avg	0	0	0	0	0	47	192	308	370	422	429	474	416	373	438	383	342	265	84	0	0	0	0	0	4544
S/D	0	0	0	0	0	61	192	253	285	283	287	307	325	298	278	276	272	221	96	0	0	0	0	0	2955
S/A	0	0	0	0	0	1.29	1	0.82	0.77	0.67	0.67	0.65	0.78	0.8	0.63	0.72	0.8	0.84	1.15	0	0	0	0	0	0.65
Min	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Max	0	0	0	0	0	205	548	726	793	820	832	864	864	901	875	840	793	676	325	0	0	0	0	0	9693
n	0	0	0	0	0	232	372	370	372	372	372	372	372	372	372	372	372	372	303	5	0	0	0	0	5002

Daylight Data Recovery: 0.0% missing; 0.0% exceed the 15% QC threshold -- 5004 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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	24	86	130	157	183	283	301	348	302	257	210	143	87	30	2	0	0	0	0	2542
2	0	0	0	0	0	21	61	84	121	186	201	131	133	148	128	133	89	57	20	0	0	0	0	0	1514
3	0	0	0	0	0	16	58	115	177	242	271	209	352	250	148	127	113	71	35	2	0	0	0	0	2186
4	0	0	0	0	0	20	59	85	156	183	224	184	166	206	162	152	139	103	35	3	0	0	0	0	1877
5	0	0	0	0	0	27	88	166	257	247	189	188	263	204	160	134	110	78	30	0	0	0	0	0	2142
6	0	0	0	0	0	19	105	71	227	274	336	105 ?	169	376	332	211	143	77	105 ?	0	0	0	0	0	2472
7	0	0	0	0	0	16	42	57	71	133	175	148	92	93	104	70	51	37	15	0	0	0	0	0	1105
8	0	0	0	0	0	16	42	58	68	203	257	262	182	179	91	67	56	42	17	0	0	0	0	0	1540
9	0	0	0	0	0	18	47	72	100	133	183	405	304	257	122	67	59	43	17	0	0	0	0	0	1826
10	0	0	0	0	0	16	41	55	65	83	103	96	98	123	130	106	86	68	23	0	0	0	0	0	1093
11	0	0	0	0	0	16	50	71	89	98	96	97	104	134	172	149	134	96	34	0	0	0	0	0	1340
12	0	0	0	0	0	20	107	149	188	226	237	268	260	248	231	205	156	92	26	0	0	0	0	0	2414
13	0	0	0	0	0	18	83	159	245	317	304	299	281	291	263	216	189	113	33	0	0	0	0	0	2811
14	0	0	0	0	0	18	91	161	212	311	316	228	471	478	300	253	81	46	18	0	0	0	0	0	2983
15	0	0	0	0	0	8	39	162	271	284	212	202	147	127	166	128	105	134	28	0	0	0	0	0	2013
16	0	0	0	0	0	7	63	159	298	302	427	472	344	520	362	293	197	77	3	0	0	0	0	0	3523
17	0	0	0	0	0	31	103	133	175	206	232	303	496	426	216	172	144	100	15	0	0	0	0	0	2751
18	0	0	0	0	0	9	55	177	270	144	130	164	257	224	268	210	53	102	16	0	0	0	0	0	2079
19	0	0	0	0	0	18	78	148	202	236	249	267	266	264	237	185	144	84	17	0	0	0	0	0	2395
20	0	0	0	0	0	16	43	154	176	179	177	250	237	174	?	41 ?	139	124	26	0	0	0	0	0	1733 ?
21	0	0	0	0	0	20	81	148	242	243	222	222	235	299	276	224	147	84	24	0	0	0	0	0	2466
22	0	0	0	0	0	16	74	165	235	310	357	326	234	234	183	159	151	102	26	0	0	0	0	0	2570
23	0	0	0	0	0	14	62	112	150	190	217	231	244	248	255	234	175	88	21	0	0	0	0	0	2241
24	0	0	0	0	0	16	75	195	232	269	296	304	294	290	280	204	30 ?	19	8	0	0	0	0	0	2512
25	0	0	0	0	0	23	79	124	154	230	334	346	296	299	317	248	167	77	8	0	0	0	0	0	2704
26	0	0	0	0	0	9	16	45	143	169	258	279	366	444	314	228	107	18	0	0	0	0	0	0	2397
27	0	0	0	0	0	10	52	119	54	212	338	452	513	283	114 ?	93	124	17	3	0	0	0	0	0	2383
28	0	0	0	0	0	5	33	136	221	304	340	328	269	182	261	130	99	44	9	0	0	0	0	0	2362
29	0	0	0	0	0	0	27	72	108	135	346	383	403	204	142	60 ?	134	21	5	0	0	0	0	0	2041
30	0	0	0	0	0	6	31	83	167	251	246	195	62	121	113	68	48	16	5	0	0	0	0	0	1412
31	0	0	0	0	0	3	30	104	133	183	315	243	324	292	141	209	136	37	11	0	0	0	0	0	2160
Avg	0	0	0	0	0	15	61	118	173	215	254	254	265	255	208	161	118	69	19	0	0	0	0	0	2180
S D	0	0	0	0	0	7	25	43	68	64	78	115	107	78	67	44	34	10	1	0	0	0	0	0	554
S/A	0	0	0	0	0	0.46	0.4	0.36	0.39	0.3	0.31	0.38	0.44	0.42	0.38	0.42	0.37	0.48	0.55	3.1	0	0	0	0	0.25
Min	0	0	0	0	0	0	16	45	54	83	96	96	62	93	91	41	30	16	0	0	0	0	0	0	1093
Max	0	0	0	0	0	31	107	195	298	317	427	472	513	520	362	293	197	134	35	3	0	0	0	0	3523
n	0	0	0	0	0	210	372	370	372	372	372	369	372	370	354	360	366	371	303	5	0	0	0	0	4938

Daylight Data Recovery: 0.0% missing; 1.3% exceed the 15% QC threshold -- 5004 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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	24.9	24.3	24.1	24.2	23.8	23.8	25.4	27.6	29.4	31.2	31.8	32.8	32.6	33.1	33	32.3	32.5	32.3	31.1	29.4	28.4	27.6	26.9	26.4	28.7
2	26	25.6	25	24.7	24.1	24	25.7	28	29.1	29.4	29.9	30.5	30.9	31.3	31.6	31.7	31	30.3	29.1	27.7	27	26.8	25.9	25.2	27.9
3	24.6	23.8	23.4	23.7	23.5	23.3	24.2	26.2	28	29.1	29.8	30.4	30.4	30.3	30.6	30	29.4	28.8	28	27	26.6	26.2	25.8	25	27
4	25.4	25.5	25.4	25.4	24.5	24.4	25.9	27.2	28	28.7	29.3	29.9	30	29.9	30	29.9	29.6	28.9	28	27.1	26.5	26.2	25.5	24.8	27.3
5	24.3	24.2	24	23.6	23.6	22.9	24.6	27.4	28.7	29.4	30	30.2	30.7	30.7	30.9	30.9	30.1	29.3	28.2	26.9	25.8	25.1	24.4	23.9	27.1
6	23.4	23.3	23.1	23	23.2	23.3	23.6	24.1	23.8	25.3	26.2	25.4	24.9	25.7	26.9	26.6	26.6	25.6	24.6	23.5	22.8	22.3	21.9	21	24.2
7	18.8	18	19	19.1	19	19.2	19.8	21.4	22.4	23	23.5	24.2	24.7	25	25.3	25.4	25.3	24.7	23.6	21.9	21.1	20.7	20.2	18.7	21.8
8	18	17.8	17.6	17.5	17	17.1	18.7	21.5	23.5	25.2	25.8	26.2	26.7	26.6	26.9	26.7	26.4	25.7	24.6	23.1	22.1	21.5	21.2	20.6	22.4
9	18.3	16.8	16.7	16.2	16.2	16.7	18.7	21.3	23.5	25	26.2	26.4	26.7	27	27.5	27.4	26.9	25.9	24.7	23.3	22.6	21.9	19.5	18.1	22.2
10	17.9	17.1	17	17	16.2	15.9	18.6	21.6	23.7	25.4	26.8	27.5	27.5	27.9	27.7	27.2	26.6	25.5	23.9	22.8	21.4	20.3	20	19.5	22.3
11	18.3	17.6	17.2	17.1	17	16.8	18.2	20.9	23.6	26.2	27.7	29.4	30.1	30.9	29.8	28.2	27.6	26.8	25.3	24.1	23.3	22.8	22.1	21.7	23.4
12	21.3	20.8	20.9	20.7	20.8	21.3	21.9	24	25.5	26.3	27.7	29.1	29.7	31.1	31.9	32.7	32.2	30.5	29.1	27.6	26.5	25.5	25	24.6	26.1
13	24.4	24.1	23.8	23.2	22.7	22.6	22.9	24.1	25.6	27.9	29.1	30.3	31.9	32.3	33	33.1	32.9	31.6	29.5	27.8	26.8	26.1	25.3	24.6	27.3
14	24	23.5	23.1	22.6	22.4	22.3	23.1	24.3	26.1	26.8	27.5	28.7	29.1	30.1	31	30.4	30.5	29.6	28.3	26.8	25.9	25.2	24.8	24.4	26.3
15	24	24	23.9	23.8	23.8	24	24.6	25.6	26.8	27.2	26.2	28	28.9	29.3	29.4	29.8	29.4	29.7	28.7	27.2	26.7	26.4	26.1	25.8	26.6
16	25.2	24.4	23.8	23.6	24.1	24.5	24.7	25.2	26.2	26.7	27.8	28.7	29.1	30	31	31.1	30.8	30.1	29.2	27.4	26.9	26.1	25.5	25.3	27
17	25	24.7	24.7	24.6	24.3	24.2	25	26.2	26.9	28.3	29.1	30.7	31.3	31.8	32.7	32.7	32.2	32.1	30.8	27.4	26.7	26.2	24.7	24.1	27.8
18	24	23.9	23.8	23.6	23.4	23.4	23.6	24.2	25.3	26.8	28.7	30.3	31.7	31.5	29.7	30.8	29.6	26.7	26.2	25.8	25.4	25.2	24.5	24.1	26.4
19	23.7	23.4	23.3	23.4	23.1	22.6	23.4	25.5	27.5	29.5	31.2	31.9	33.3	34.2	34.9	34.7	33.6	31.9	30.3	29.2	28.2	27.4	26.9	26.1	28.3
20	25.6	25	24.5	24.2	24	24.1	24.4	25.7	27.4	29.4	31.2	32.4	33.6	32.4	24.1	21.6	23.2	25.1	24.8	24.6	24.6	24.5	24.5	23.6	26
21	23.2	23.6	23.7	23.7	23.4	23.3	23.8	25.2	26.8	27.3	28.1	28.6	28.8	28.8	28.5	28	27.6	26.6	25.3	24.3	23.7	23.3	23.3	23.4	25.5
22	23.3	22.3	21.1	20.6	20.4	20.2	21.4	24.2	26.3	27.6	28.8	29.4	29.8	30.2	29.9	29.6	29.6	28.8	27.5	26.5	25.6	25.4	25.3	25	25.8
23	24.6	24.1	23.7	23.6	23.5	23.7	24.2	25.6	27.7	30.1	32.2	33.7	35	35.8	36.3	32.7	32.3	31.3	30	29.1	28.2	27.8	27.8	27.7	28.8
24	27.6	27.5	27.3	26.8	26.2	25.8	26.2	27.4	28.6	30.2	31.7	33.6	35.1	33.6	33.7	35.4	27.9	25	24.7	23.5	23.7	23.9	23.8	23.5	28
25	23.3	23.1	22.9	22.7	22.5	22.1	22.2	23.6	25.8	27.4	28.8	29.7	28.7	29.1	29.2	28.7	28.1	27.2	26	25.4	25.1	25	24.7	24.3	25.7
26	24.1	24.1	24.5	24.2	23.8	24	24.1	24.1	24.8	25.5	25.8	25.8	26.1	27.2	27.6	26.9	25.9	25.2	24	22.7	22.4	22.2	22.7	22.9	24.6
27	22.6	22.8	22.6	22.9	22.9	23.1	23.3	24.2	24.4	24.4	25.1	26.2	26.5	26.4	24.4	23.1	23	22.6	22.6	22.9	22.6	22.8	22.9	22.9	23.6
28	22.9	23.3	23.4	23.7	23.8	23.7	23.6	24.1	25	25.6	25.2	25.7	25.7	25.1	24.2	24.1	24.3	24.1	23.9	23.7	23.6	23.2	23	23.1	24.1
29	23.2	23.1	22.9	22.9	22.9	22.8	21.8	22.2	22.7	23.2	24.3	25.1	26.3	25	24.8	23.3	22.7	22.5	22.2	22.1	21.9	21.7	21.4	21.4	23
30	21.3	21.2	21.2	21.1	21.2	21.3	21.5	22	22.5	22.9	23.2	23.2	22.7	22.5	22.6	22.5	22.4	22.1	21.8	21.6	21.5	21.4	21.4	21.5	21.9
31	21.6	21.8	21.7	21.4	20.9	20.9	21	21.2	22.1	23	23.6	23.9	24.4	24.7	24.3	24.4	24.4	24	23.6	23.4	23.3	23.1	23.1	22.9	22.9
Avg	23.1	22.7	22.6	22.4	22.2	22.2	22.9	24.4	25.7	26.9	27.8	28.6	29.1	29.3	29.1	28.8	28.2	27.4	26.4	25.3	24.8	24.3	23.9	23.4	25.5
S D	2.5	2.7	2.6	2.6	2.6	2.6	2.3	2.1	2.1	2.3	2.6	2.9	3.2	3.2	3.5	3.7	3.3	3	2.7	2.4	2.2	2.2	2.2	2.2	2.2
S/A	0.11	0.12	0.12	0.12	0.12	0.12	0.1	0.09	0.08	0.09	0.09	0.1	0.11	0.11	0.12	0.13	0.12	0.11	0.1	0.09	0.09	0.09	0.09	0.1	0.09
Min	17.9	16.8	16.7	16.2	16.2	15.9	18.2	20.9	22.1	22.9	23.2	23.2	22.7	22.5	22.6	21.6	22.4	22.1	21.8	21.6	21.1	20.3	19.5	18.1	21.8
Max	27.6	27.5	27.3	26.8	26.2	25.8	26.2	28	29.4	31.2	32.2	33.7	35.1	35.8	36.3	35.4	33.6	32.3	31.1	29.4	28.4	27.8	27.8	27.7	28.8
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 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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	94.3	97.3	99.2	99.6	101.2	102	99.6	87.5	78.4	71.2	70.1	61.5	60.2	53.3	58.2	63.4	61.5	63.1	65.7	76.3	87.4	89.2	90.3	91.3	80.1
2	91.6	92.9	94.9	96.7	99.1	99.7	95.1	82.5	74.4	72.6	68.2	57.5	57.3	52.3	50.3	49.4	58.2	61.1	68.5	73.9	79.4	82.7	87.4	90.3	76.5
3	93.6	98.1	100.3	99.5	100.5	100.2	97.6	89.7	84.7	78.1	70.3	64.2	65.1	66.2	68.2	70.7	71.8	74	76.9	81.9	84.3	88.1	91.5	95.4	83.8
4	92.6	92.5	92.7	93.8	97.2	98.3	93.8	87.3	83.4	79.6	77	73.8	69.5	71.9	72.2	74.7	75.2	78.3	81	83.5	87.5	90.6	92.9	95.5	84.8
5	97.4	98.9	99.6	101.5	100.4	102.9	99.9	86.9	81	77.7	68.4	65.5	65.9	65.5	62.7	61.8	67.9	71.7	75.8	82.3	85.8	88.5	93	95.4	83.2
6	96.7	98.5	99.5	100.6	101.5	101	100	98.5	99.5	93.4	89.2	94.1	93.8	82.1	73.3	70.8	68.4	66.3	68.5	71.8	74.1	74.6	76	81.6	86.4
7	91.8	94.7	84.1	79.5	82.2	88.1	87.4	81.3	74.8	66.5	59.4	53.8	49.2	47.6	47.1	46.5	42.4	45.9	55.9	68.4	76	79.7	82	88.3	69.7
8	90	89.4	88.9	89.3	92.1	93	88.4	80	71.4	58.6	48	45.2	45.9	43.2	39.7	40.8	46.2	48.9	56.1	63.5	67.8	73.8	77.8	83.1	67.6
9	93	96.1	93.9	96.3	94.8	92.1	84.3	75.1	65.5	61	56.3	56.3	52.9	47.6	42.2	43	44.1	50.8	58.3	66.6	71.6	75.4	87.1	93.5	70.8
10	94.3	97	97.2	96.7	99.2	99.9	91	81.5	73.3	62.6	55.7	50.3	53.2	53.5	55.2	54.3	58.9	65.8	70.3	73.8	80.4	85.9	88.7	91.3	76.2
11	96.2	98.7	100.2	100.3	100.3	100.6	96.2	86.3	76.4	64.6	56.7	49.6	47.3	44.8	52.4	63.5	59.6	62.8	74.2	78.6	82.3	86.5	91.1	93.6	77.6
12	94.4	95.1	96.1	98	96.3	91.3	89.1	79.9	69.2	69.3	67	66.7	63.3	58.8	56.4	52	58	67.9	75.5	80.5	85	90.3	90.5	91.4	78.4
13	90.5	88.4	86	87.7	89.3	89.3	89.2	86.1	78.5	67.6	60.4	60	56.4	58.4	52.6	51.8	52.8	60.3	70.2	73.4	74.3	80.3	85.4	91.2	74.2
14	95.5	97.3	98.9	100.7	101.8	102.2	100.1	96.8	85.6	80.5	74.2	68	67.5	60.9	54.9	61.5	62.8	68.2	74.8	80.5	83.7	89.7	93	94.6	83.1
15	96.7	97.8	98.1	99.1	99.6	100.2	99.7	97.4	92.3	89.9	92.4	82.8	78.2	79	79.5	76.5	78.3	78.5	81.3	89.1	91.2	91	95.1	96.3	90
16	95.8	94.2	96.7	99	102.6	102.4	102	100.4	97.4	95.3	88.1	81.6	80.6	79.3	73.8	70.9	71.6	76.4	80.6	87.1	88.4	90.9	92.8	94.3	89.3
17	95	96.5	96.5	97.1	98.7	99.8	98.3	94.3	91.9	87.5	84.3	76.3	72.7	69.5	66	68.3	69	71.2	76.4	88.3	83.6	86.7	97.3	101.1	86.1
18	101.9	101.8	100.8	100.9	101.3	101.4	100.7	99.3	95.6	90	82.2	75.1	68.6	71.5	81.8	77.7	79.6	97.5	96.8	99.1	99.8	99.1	101	102	92.7
19	102.8	103.8	103.9	101.6	101.8	103.1	99.9	91.4	83.4	78.2	71.3	68	63.1	59.2	57.9	56.1	61	72.4	83.2	87.6	91.2	92.5	91.1	94.1	84.1
20	95.6	95.4	95.4	95.8	97	97.2	97.2	91.1	83.2	74.6	69.3	66.3	62	67.8	94 ?	?	101.5	99.8	101.7	103.1	104.4	104.3	102.5	103.7	91.4
21	104.5	104.9 ?	?	?	?	104.9 ?	103.7	98.7	89	83.5	77.8	74.7	73.5	74.1	75.5	75.7	76.5	79.1	86.2	90.7	90.8	90.5	88.8	86.6	87.1 ?
22	86.1	93.2	99.4	100.8	101.2	101.3	98.6	86.8	74.8	69.7	63.1	63.3	57.3	59.3	64.1	63.5	62.5	66.9	77.6	82	86.1	87.2	89.2	89.3	80.2
23	93	95.9	98.5	100.3	101.6	100.9	99	94.1	85.8	74.6	65.5	58.6	53.3	47	46.2	66.4	68.5	70.6	75.6	80.5	87.2	91.9	91.4	92.3	80.8
24	91.6	90.9	93.2	95.6	96.7	97.4	95.9	91.2	84.7	78.6	73.6	65.8	58.8	63.8	66.3	56.4	77.9	97.5	101	103.7	104.1	103.8	102.4	102.8	87.2
25	103.3	103.1	102.9	102.8	102.5	103.5	104	100.3	92.5	86.8	80.3	74.3	82.1	79.1	78.4	79.9	80.8	83.6	89.5	92.8	95	95.6	97.4	98.2	92
26	98.8	98.4	96.6	97.5	98.1	96.8	97.5	97.5	95.6	90.5	86.6	86.8	85.3	78.7	78.8	82.9	84.3	87.3	97.3	103.6	103.8	103	102.2	101.7	93.7
27	103.1	103.3	104.2	104.7	104.5	104	103.7	101.4	101.1	102.7	100.1	95	93	92.3	100.6	102.9	103.4	103.4	104.1	104.6	104.2	104	104.7	104.7	102.1
28	104.9	103.9	104.1	104.5	103.2	103.6	104.4	103.7	100.2	93.7	94.9	91.8	95.5	96.1	100.8	101.5	99.3	99.8	100	101.2	102.1	103.4	104.4	104.6	100.9
29	104.5	104.5	104.9	105 ?	?	?	105 ?	104.9	104.1	103	99.3	94.6	89	94.7	95.5	101.3	103.7	103.1	103.7	103.4	104.1	104.2	103.7	103.1	101.8 ?
30	102.8	102.1	101.7	102.4	102.9	103.2	102.9	102.4	101.3	99.5	98.6	98.7	100.1	101.8	102.7	103.6	103.6	104.2	104.3	104.1	104	103.7	102.7	101.4	102.3
31	100.8	100.6	100.8	102.2	103.6	104.5	104.2	103.7	103.3	101.9	99.9	96.8	91.5	89.7	92.8	89.6	93	95.9	99	100.9	102.7	103.7	103.5	103.9	99.5
Avg	96.6	97.6	97.6	98.3	99	99.5	97.7	92.2	86.2	80.8	75.8	71.5	69.4	68	69	69.2	72.3	76.5	81.6	86.3	89.1	91.3	93.5	95.4	85.6
S D	5	4.5	5.1	5.3	4.7	4.5	5.6	8.3	11	13	14.7	15.2	15.7	16.3	18.2	17.7	17.6	16.8	14.7	12.6	10.9	9.3	7.7	6.3	9.6
S/A	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.13	0.16	0.19	0.21	0.23	0.24	0.26	0.26	0.24	0.22	0.18	0.15	0.12	0.1	0.08	0.07	0.11
Min	86.1	88.4	84.1	79.5	82.2	88.1	84.3	75.1	65.5	58.6	48	45.2	45.9	43.2	39.7	40.8	42.4	45.9	55.9	63.5	67.8	73.8	76	81.6	67.6
Max	104.9	104.9	104.9	105	104.5	104.9	105	104.9	104.1	103	100.1	98.7	100.1	101.8	102.7	103.6	103.7	104.2	104.3	104.6	104.4	104.3	104.7	104.7	102.3
n	372	363	360	351	348	355	362	372	372	372	372	372	372	372	368	360	371	372	372	372	372	372	372	372	8818

Data Recovery: 0.0% missing; 1.2% 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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	23.8	23.5	23.1	22.9	22.8	22.7	23.3	26.3	30	33.3	36.1	37.5	38.3	37.1	37.3	36.9	36.6	36.3	35	32.1	29.3	27.8	26.7	26	30.2
2	25.4	24.9	24.3	23.6	23	22.7	23.3	26.6	29.9	32.1	33.1	33.9	34.2	34.1	34.5	35.3	35.5	34.6	32.8	29.7	27.3	26.1	25.4	24.4	29
3	23.6	22.9	22.3	22.1	22.2	22.2	22.4	24.6	27.7	30.4	33.2	34.2	34.5	33.9	34.2	34.5	34.1	33.1	31.4	29	26.9	25.8	25.1	24.3	28.1
4	23.7	23.8	23.9	24.1	24	23.4	24.1	26.5	28.8	30.9	32.9	34.2	34.2	33.6	33.4	34	34.1	33.2	31.5	29.1	27.1	26	25.2	24.1	28.6
5	23.3	22.8	22.7	22.5	22.4	22.3	22.7	25.1	29	32.6	34.9	35.7	35.5	35	34.9	35.5	35.3	34	32	29.1	26.7	25.2	24.1	23.1	28.6
6	22.6	22.1	22.1	22.1	22.3	22.7	23	24.1	24.2	24.9	26.6	27.6	25.5	25.6	27.4	28.9	29.3	29.2	27.8	25.2	23	21.8	20.8	20.1	24.5
7	18.9	17.2	16.7	17.2	17.5	18	18.7	20.7	23	24.7	26	27.3	27.4	27.2	27.5	28.3	28.5	27.9	26.5	23.8	21.3	19.9	19	18	22.5
8	16.8	16.1	15.9	15.9	15.9	15.6	16.6	19.6	22.9	25.8	28.1	28.9	29.3	29.3	29.3	30.1	30.3	29.6	28	24.9	22.2	20.5	19.5	18.9	22.9
9	18	16.6	15.6	14.9	14.5	14.5	15.9	19.3	23	26.1	28.8	29.9	30.5	29.9	30.1	31.1	31.3	30.2	28.3	25.1	22.5	21.1	19.8	17.9	23.1
10	16.6	15.9	15.3	15.1	14.9	14.6	15.4	19	23	26.1	28.9	30.7	31.1	30.9	31.2	31.5	31.2	30.1	27.6	24.4	21.8	19.7	18.3	17.5	22.9
11	16.9	16.3	15.9	15.7	15.7	15.5	16	18.6	22.6	26.4	29.5	32	33.6	34	34.5	33.5	32.1	30.9	29	26.1	24	22.7	21.8	20.9	24.3
12	20.2	19.7	19.5	19.7	19.7	19.9	20.6	22.6	25.5	28	30.2	32.2	33.4	33.7	34.8	35.9	36.5	35.1	32.7	29.8	27.7	26.3	25.1	24.5	27.2
13	24	23.7	23.4	23.1	22.5	22.1	22.1	23.3	25.6	28.1	30.7	32.4	34	35.2	36.2	36.9	36.8	35.7	33.5	30.3	27.9	26.6	25.6	24.6	28.5
14	23.8	23.2	22.8	22.4	22	21.7	21.8	23	25.8	28.6	30	31.4	32.4	32.8	33.9	34.2	34	33.8	32.2	29.2	27	25.6	24.6	23.9	27.5
15	23.4	23.2	23.3	23.2	23	23.1	23.6	24.6	26.7	28.8	28.1	28.9	31	31.8	32.4	32.8	32.3	32	31.8	29.5	27.6	26.8	26.4	26.1	27.5
16	25.7	25	24	23.4	23.2	23.7	24.1	24.8	26.1	27.6	28.7	29.8	30.8	31.4	33	33.7	33.6	32.6	30.9	29	27.6	26.8	26	25.3	27.8
17	25	24.7	24.6	24.6	24.4	24.2	24.6	26.4	28.2	30.1	32	33.3	34.4	34.8	35.1	36.1	36.1	35.3	33.9	30.8	27.1	26.4	25.6	24.5	29.3
18	23.9	23.7	23.7	23.7	23.5	23.4	23.4	23.9	25.5	27.4	30.6	33.2	34.8	35.7	34	33.5	33	30.1	27.3	26	25.3	24.8	24.4	24.1	27.5
19	23.7	23.3	23.1	22.9	22.7	22.4	22.5	24.3	27.4	30.8	34.1	36	36.7	37.5	38.7	39.7	39.3	37.1	34	31.1	29.4	28.1	27.1	26.4	29.9
20	25.7	25.2	24.6	24.2	23.8	23.6	23.8	24.7	27.5	30.7	33.8	36.2	37.4	37.4	33	25.9	23.6	24.2	25.1	24.9	24.5	24.3	24.1	23.7	27.2
21	23.2	23	23.3	23.4	23.3	23.2	23.2	24.2	26.4	28.5	30.1	31.4	32.1	32.2	32.3	32.2	31.7	30.6	28.5	25.9	24	22.9	22.3	22.1	26.7
22	21.9	21.9	21.1	20.3	19.8	19.4	19.4	21.3	25.3	28.9	31.8	34.1	34.4	34.2	34.2	34.1	33.5	32.7	30.6	28.1	26.4	25.4	24.9	24.6	27
23	24.4	24	23.6	23.3	23.1	23	23.4	25	27.5	30.8	34	36.6	38.2	39.2	39.8	39.3	36.6	35	32.9	30.6	29.1	28.1	27.6	27.4	30.1
24	27.2	27.1	27	26.7	26.1	25.7	25.7	26.9	28.9	30.8	33.6	35.9	37.7	37.8	35.1	36.6	35.1	28.5	25.7	24.6	23.9	23.8	23.6	23.3	29.1
25	23.1	23	22.7	22.5	22.2	21.9	21.9	23.1	25.7	28.8	31.3	32.9	33.1	32.5	32.9	33.1	32.5	31.1	28.8	26.5	25.3	24.6	24.3	23.9	27
26	23.5	23.3	23.5	23.8	23.6	23.5	23.6	23.8	24.2	25.2	26	26.7	27	28.1	29.9	30.4	28.9	27.2	25.4	23.8	23	22.5	22.2	22.3	25.1
27	22.3	22.3	22.3	22.4	22.6	22.8	22.8	23.2	24	24.4	24.8	26.5	28.5	29.6	27.9	25.3	23.9	23.3	22.8	22.9	22.7	22.5	22.5	22.6	24
28	22.7	22.7	22.9	23.1	23.4	23.4	23.4	23.6	24.3	25.9	26.7	27.2	27.5	27	25.7	24.7	24.4	24.3	24	23.6	23.4	23.2	22.8	22.7	24.3
29	22.7	22.8	22.7	22.7	22.7	22.9	22.6	22.3	22.5	22.9	23.8	25.8	28.2	28.6	27.5	25.9	24.1	23.3	22.7	22.3	22	21.9	21.6	21.4	23.6
30	21.2	21.1	21.1	21.2	21.2	21.2	21.4	21.7	22.3	22.7	23.5	23.9	23.6	22.9	22.7	22.6	22.6	22.4	22.2	21.9	21.6	21.5	21.3	21.3	22
31	21.5	21.7	21.7	21.4	21.1	20.9	21	21	21.4	22.1	22.8	23.4	24.3	25.7	26.1	25.6	25.7	25.3	24.6	23.9	23.4	23.2	23	22.8	23.1
Avg	22.5	22.1	21.9	21.7	21.6	21.5	21.8	23.3	25.6	27.9	29.8	31.3	32.1	32.2	32.2	32.2	31.7	30.6	29	26.9	25.2	24.3	23.6	23	26.4
S D	2.7	2.9	3	3	2.9	2.9	2.7	2.3	2.4	3	3.6	3.9	4.1	4	4	4.5	4.6	4.2	3.7	3	2.5	2.4	2.5	2.5	2.5
S/A	0.12	0.13	0.14	0.14	0.14	0.14	0.12	0.1	0.1	0.11	0.12	0.12	0.13	0.13	0.12	0.14	0.14	0.13	0.11	0.1	0.1	0.1	0.1	0.11	0.1
Min	16.6	15.9	15.3	14.9	14.5	14.5	15.4	18.6	21.4	22.1	22.8	23.4	23.6	22.9	22.7	22.6	22.6	22.4	22.2	21.9	21.3	19.7	18.3	17.5	22
Max	27.2	27.1	27	26.7	26.1	25.7	25.7	26.9	30	33.3	36.1	37.5	38.3	39.2	39.8	39.7	39.3	37.1	35	32.1	29.4	28.1	27.6	27.4	30.2
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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0.2	0.1	0.1	0	0.1	0.4	0.6	0.7	0.6	1.3	1.2	1.3	1.1	2	1.7	1.6	1.1	0.7	0.2	0.8	0.7	0.8	0.8	0.8
2	0.8	0.9	0.3	0.2	0.5	0	0.1	0.9	1.7	2.3	2.9	3.1	3.2	3	3	3	3.1	2.7	2	1.8	1.5	1.2	0.3	0.6	1.6
3	0	0.1	0.3	0.4	1.1	0.7	0.9	1.5	1.6	2.3	2.7	3.2	3.7	3.5	3.8	4	3.7	3.1	2.3	1.7	1.4	1.2	0.8	0.3	1.8
4	1.1	1.2	1.8	1.6	1.2	1.3	1.7	2.9	3.1	2.9	3	3.4	4	3.8	3.6	3.2	3.4	3	2.6	1.9	1.5	1.1	0.3	0	2.2
5	0.1	0.3	0.1	0.1	0.3	0	0.2	0.5	0.7	1.2	1.9	2.3	2.5	2.7	2.6	2.5	3	3.1	2.8	1.5	1.2	1	0.5	0.8	1.3
6	0.5	1	0.9	1.1	1.5	1.6	2	1.6	1.3	1.5	2.1	3.1	3	3.9	4.2	4.3	4.4	4.4	3	2	2	1.6	1.5	1.1	2.2
7	0.4	0.7	1.5	1.8	2.1	2.4	3.1	3.1	4	4.1	3.5	3.5	3.7	4.1	4.3	4.2	4.2	4	2.1	1.7	1.8	1.1	0.9	0.5	2.6
8	0.6	0.9	1.1	1.5	1.3	1.6	1.4	1.9	2.9	3	4.1	4.1	3.5	3.8	3.8	3.6	3.4	3	2.1	1.2	1.1	0.8	0.9	0.5	2.2
9	0.3	0.3	0.5	0.5	0.6	1.2	0.9	1.5	1.9	1.6	1.2	1.7	1.7	2.4	2.6	3.2	3.2	3.1	2.1	1.5	1.5	1.2	0.2	0	1.5
10	0.4	0	0.6	0.8	0.5	0.9	0.6	1	2.2	1.9	1.9	3.1	3.3	2.9	3.2	3.6	3.4	3	2.6	1.3	0.4	0.4	0.2	0.1	1.6
11	0.3	0	0.5	0.8	1.1	0.2	0.5	1.2	1.5	2.4	1.5	1.2	1.5	1.7	3.6	4.5	3.6	3.4	3.1	2.3	1.8	1.5	1.1	0.7	1.7
12	0.4	0.6	1.4	1.4	1.6	1.7	1.4	1.5	2.1	2.2	2.1	1.9	2.6	2	2.4	2.1	2.3	2.6	2.6	2.4	2.2	2	2.1	2.2	1.9
13	2.2	2.3	2.5	2.1	1.7	1.2	1.8	2.4	3	2.7	3.3	2.6	2	2.3	2.5	2.5	2.5	2.6	2.6	2.7	2.5	2.7	2.3	2.1	2.4
14	1.9	1.7	1.8	1	1	0.5	0.9	1.2	2.3	2.7	2.8	3.5	3	2.9	3.1	2.5	3	3.3	2.6	2.8	2.5	1.3	1.4	1.1	2.1
15	1.2	1.3	0.7	0.7	0.7	0.5	1.1	1.5	2.9	4	3.1	3.5	4.1	3.8	4.1	3.9	2.7	2.3	2.2	2.3	2.8	2.7	2.9	2.5	2.4
16	1.9	1	0.8	1	1.5	1.6	1.8	2.3	3	3.1	4	3.9	3.1	3.3	3.6	4.6	3	2.1	1.7	1.1	2	2.2	2	2	2.4
17	2.5	2.5	2.8	2.2	1.5	2	2.7	3.1	3.1	2.7	3.1	2.9	3.5	3.3	2.4	2.8	2.7	2.1	1.5	3.1	3	1.1	0.7	1.7	2.4
18	1.4	2.2	2	1.6	1.5	1.5	1.4	2	2.7	2.2	2	1.7	1.9	1.2	2.2	1.8	1.5	2.1	0.7	0.9	0.6	0.5	0.9	1.4	1.6
19	0.5	0.5	1.2	0.8	0.6	0.9	1.3	0.8	1.1	0.8	0.9	1.9	1.7	1.6	1.5	1.8	3	3.1	2.3	1.5	1.9	1.6	1.5	1.4	1.4
20	2.1	1.8	1.5	1.2	1.4	1.5	1.4	2.1	2.1	1.5	1	1.4	2	2.4	6.3	1.1	1.6	0.4	0.2	0.1	0.3	0.6	0.7	0.1	1.5
21	0	1.1	1	0.4	0.9	1.1	1.3	2.3	3.4	3.6	3.9	4.1	3.9	4.1	3.9	3.8	3.8	3.3	3	1.8	1.4	1.4	1.2	0.8	2.3
22	1.5	0.3	0.2	0.4	0.2	0.3	0.4	0.2	0.3	0.6	0.9	1.1	2	2.1	2.8	3.2	2.7	2.7	2.4	2	1.8	1.9	1.9	2	1.4
23	2.1	1.6	1.9	1.8	1.5	2.1	2.3	3.1	1.9	1.8	1.6	1.6	1.3	2	1.9	4.1	3.2	2.7	2.7	2.5	2.2	1.8	2	1.8	2.1
24	2	1.9	1.7	1.4	1.4	1.6	1.9	2.4	2.4	2.4	2.2	2.1	2.6	2.6	1.2	3.6	4.6	1.7	1.8	2.4	2.1	2.1	1	1.2	2.1
25	2	1.9	1.8	1.6	1.2	1.3	1	1.3	1.7	2.2	2	2.2	2.5	3.1	3.3	3	3.1	3	3	2.3	2	1.4	1.1	1.4	2.1
26	1.6	1.6	2.4	2.2	1.7	1.9	1.7	1.8	2	2.4	2.9	3.3	3.1	3.1	3.8	4.2	3.5	3	1.9	1.8	0.9	0.8	1.3	0.8	2.2
27	0.6	0.4	0.2	0.7	0.5	0.3	0.6	0.6	1.2	2	2	3.1	3.3	3.3	2.3	3	3.2	2.3	1.9	0.9	1	1.1	1.1	0.3	1.5
28	0.8	1.4	1	0.7	1.3	0.3	0.2	0.7	1	2.5	2.8	2.6	2.1	2.6	2.5	1.5	1	1.4	0.6	0.1	0.8	0	0	0	1.2
29	0	0	0	0	0	0.5	0.6	0.2	0.2	0	0.8	0.6	1.5	2.7	2.8	2.5	2.2	1.8	1.2	1.1	0.6	1.8	2.1	1	1
30	0.8	1.2	1.2	1.4	1.2	1	0.8	1.3	1.9	2.5	2.7	2.5	1.4	1.6	1.6	1.3	1.4	1.6	2.2	2.4	2.4	2.3	2.2	2.2	1.7
31	1.8	1.5	2.1	1.5	1.5	1.6	1.7	2.4	1.9	2.4	3.1	3.4	3.4	3.5	3	3.2	3.1	2.3	1.6	0.9	0.6	1.3	1.6	0.8	2.1
Avg	1	1	1.2	1.1	1.1	1.1	1.2	1.6	2	2.2	2.4	2.6	2.7	2.8	3	3	2.9	2.6	2.1	1.7	1.6	1.4	1.2	1	1.8
S D	0.8	0.7	0.8	0.6	0.5	0.7	0.7	0.9	0.9	0.9	0.9	1	0.9	0.8	1	1	0.9	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.5
S/A	0.77	0.71	0.67	0.6	0.52	0.62	0.6	0.53	0.46	0.43	0.4	0.37	0.33	0.3	0.34	0.32	0.3	0.32	0.36	0.46	0.47	0.47	0.6	0.71	0.25
Min	0	0	0	0	0	0	0.1	0.2	0.2	0	0.8	0.6	1.3	1.1	1.2	1.1	1	0.4	0.2	0.1	0.3	0	0	0	0.8
Max	2.5	2.5	2.8	2.2	2.1	2.4	3.1	3.1	4	4.1	4.1	4.1	4.1	4.1	6.3	4.6	4.6	4.4	3.1	3.1	3	2.7	2.9	2.5	2.6
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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	164	210	225	277	0	306	294	262	298	299	127	112	241	61	127	103	88	82	126	78	86	148	133	150	117
2	150	156	177	158	150	0	164	113	118	111	119	122	118	129	124	108	98	113	113	118	113	119	127	122	119
3	304	296	327	344	325	339	340	2	41	48	81	77	78	77	73	83	84	82	72	72	71	61	67	87	67
4	81	85	87	81	21	47	61	75	84	76	82	86	91	95	96	90	98	89	109	114	116	113	115	108	88
5	51	109	116	349	303	205	113	94	39	72	71	81	67	96	120	126	116	112	111	132	159	154	174	162	107
6	197	168	206	212	217	199	236	266	240	269	311	347	10	23	20	31	32	34	35	21	17	13	10	348	7
7	292	300	321	326	331	336	341	344	338	335	347	346	335	335	343	1	338	340	0	19	15	360	349	294	342
8	293	302	302	310	298	311	308	323	342	19	18	23	33	42	44	30	46	43	48	38	36	22	35	10	17
9	304	269	293	293	293	303	311	322	315	321	40	33	46	57	50	51	51	60	61	69	69	65	265	263	32
10	305	277	301	306	275	303	311	303	315	353	32	43	55	50	54	53	53	68	75	90	143	153	116	98	41
11	247	252	249	267	275	307	289	281	281	283	279	32	25	61	88	96	102	115	114	115	125	142	164	166	105
12	164	207	222	224	228	214	163	173	209	222	200	158	170	166	162	163	117	110	127	135	146	157	179	185	170
13	188	196	203	202	202	181	203	212	219	238	227	215	191	152	168	166	137	138	159	161	170	178	186	200	188
14	202	203	208	197	199	185	161	173	177	175	170	174	186	165	163	182	163	154	159	149	144	162	174	171	172
15	148	152	173	175	149	134	154	173	190	208	201	191	185	175	171	175	173	173	167	181	191	191	205	221	184
16	219	207	193	190	188	188	196	203	208	208	214	221	219	207	214	206	211	223	227	228	214	204	204	200	210
17	207	213	218	219	213	217	224	220	219	234	221	227	225	212	177	172	172	173	169	196	228	232	206	206	210
18	205	225	225	211	208	201	212	220	241	245	235	221	207	183	122	108	201	355	122	186	189	183	208	229	210
19	217	217	245	270	221	230	264	291	294	293	216	229	222	194	184	151	134	118	123	164	159	188	179	207	187
20	234	214	213	202	202	208	203	233	255	308	36	46	62	74	127	110	149	237	176	32	21	33	32	342	166
21	17	30	35	35	354	17	20	41	52	48	59	66	64	63	66	65	71	68	70	64	57	54	74	87	58
22	81	357	298	296	325	315	43	34	43	65	47	178	156	184	152	141	150	143	144	166	172	182	199	210	156
23	214	217	223	228	219	232	244	264	279	306	319	307	302	334	350	120	109	115	109	117	131	142	149	157	189
24	155	164	190	217	221	225	232	242	256	249	236	228	217	241	278	229	294	225	265	7	146	182	197	234	231
25	226	235	251	257	278	285	281	298	338	9	34	29	60	59	62	67	68	70	76	86	92	94	70	68	51
26	71	76	77	66	57	67	64	43	54	61	66	71	57	52	55	55	45	41	65	63	42	25	53	11	58
27	16	352	329	6	22	3	22	39	62	61	50	59	70	45	34	40	38	53	51	88	84	42	68	56	49
28	61	75	77	85	127	132	163	140	153	167	133	122	98	122	125	129	103	112	110	77	138	135	139	214	121
29	151	0	0	355	0	112	104	115	91	199	68	16	348	344	3	37	4	0	351	8	21	2	357	2	9
30	341	4	8	12	18	15	13	34	44	40	56	42	31	37	44	39	31	23	39	33	36	36	38	39	33
31	42	26	23	359	15	10	6	5	28	45	55	52	48	53	53	46	43	42	30	13	38	53	70	46	38
Avg	190	196	223	244	246	252	255	273	282	334	80	79	86	82	92	93	85	85	96	106	125	131	143	185	109
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.



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

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0.4	0.3	0.3	0	0.1	1	1.4	1.7	1.4	2.3	2.1	2.3	2.2	3.2	2.9	2.8	2.1	1.4	0.6	1.4	1.3	1.4	1.4	1.4
2	1.5	1.5	0.8	0.5	0.8	0	0.2	1.7	2.7	3.6	4.5	4.6	4.8	4.6	4.6	4.4	4.8	4.2	2.9	2.7	2.2	2	0.6	1.1	2.6
3	0.1	0.2	0.6	0.8	1.4	1.1	1.5	2.5	2.8	3.6	4.4	4.8	5.5	5.4	5.7	6.2	5.4	4.8	3.7	2.7	2.2	2	1.3	0.6	2.9
4	1.8	1.9	2.7	2.4	1.8	1.7	2.6	4.3	4.4	4.5	4.7	5	5.7	5.6	5.2	4.9	4.9	4.9	3.9	2.7	2.4	1.8	0.7	0.3	3.4
5	0.2	0.5	0.3	0.4	0.6	0.1	0.4	1.2	1.6	2.4	3.3	3.7	4	4.3	4.3	4	4.5	4.2	4	2.4	2.1	1.9	1.2	1.4	2.2
6	1.1	1.7	1.4	1.7	2.3	2.5	3.1	2.7	2.4	3.1	3.7	5.2	5.1	6.6	7.2	6.9	7.5	7.1	4.8	3.4	3.4	2.9	2.8	2	3.8
7	1	1.4	2.5	2.7	3.2	4	4.6	5.3	6.7	6.2	5.7	5.7	6.6	6.6	7	6.8	6.6	6.2	3.8	2.9	3.1	2.1	1.6	1.1	4.3
8	1.2	1.6	1.9	2.3	2.2	2.6	2.9	3.3	4.9	5.1	6.5	6.3	5.9	6.2	6.1	5.7	5.2	4.8	3.4	2	1.7	1.4	1.5	0.9	3.6
9	0.6	0.8	0.9	1	1.2	1.8	1.8	2.8	3.8	3.3	2.3	2.8	3	4	4.2	5.3	5.2	4.7	3.2	2.3	2.2	2	0.6	0.2	2.5
10	0.7	0.2	0.9	1.1	0.9	1.5	1.5	2.2	3.8	3.4	3.6	5.4	5.5	5.1	5	5.5	5.2	4.6	4.1	2.1	0.7	0.7	0.5	0.3	2.7
11	0.5	0.1	0.9	1.5	1.9	0.6	1.5	2.4	3	4.3	3.1	2.4	3	3.1	5.3	6.5	5.3	4.8	4.4	3.4	2.7	2.4	2	1.3	2.8
12	1	1	1.9	1.9	2.3	2.4	2.2	2.7	3.8	3.7	3.5	3.4	4.1	3.6	4.1	3.4	3.7	3.8	3.9	3.6	3.7	3.3	3.6	3.7	3.1
13	3.6	3.5	3.5	3.1	2.5	2	2.7	3.6	4.5	4.3	5.1	4.1	3.5	4	4.2	4.3	3.8	4.2	4.5	4.6	4.4	4.5	3.8	3.4	3.8
14	2.9	2.7	2.8	1.6	1.6	1.3	1.6	2.2	3.6	4.6	4.9	6	4.8	4.9	5	4.2	5	5.3	4.3	4.2	3.9	2.4	2.6	2.1	3.5
15	2	2	1.6	1.7	1.4	1.1	1.9	2.9	4.9	6.3	5.4	5.6	6.7	6	6.3	6.3	4.4	4.2	4.1	4	4.4	4.5	4.7	4	4
16	2.8	1.8	1.5	1.6	2.6	2.7	2.8	3.7	4.7	5.1	5.8	5.8	4.6	5.2	5.6	7	5	3.4	2.6	1.7	2.9	3.3	3	3.2	3.7
17	3.8	3.8	4	3.3	2.3	2.9	4.2	4.9	4.6	4.2	4.9	4.8	5.6	4.9	4.2	4.6	4.5	3.6	2.8	4.9	4.8	2	1.2	2.6	3.9
18	2.5	3.4	3.1	2.5	2.4	2.3	2.4	3.1	4.4	3.7	3.7	3.3	3.6	2.2	3.4	2.9	2.5	3.3	1.4	1.8	1.2	1.3	1.6	2.4	2.7
19	1.2	1	2	1.7	1.1	1.6	2.3	1.8	2.1	1.8	2	3.4	3.4	3.2	2.9	3.2	4.7	4.4	3.5	2.7	3.1	2.6	2.5	2.1	2.5
20	3	2.5	2.3	1.9	2	2.2	2.2	3.3	3.6	2.9	2.1	2.5	3.4	3.6	10	1.9	2.6	0.9	0.7	0.3	0.9	1.3	1.5	0.4	2.4
21	0.3	1.9	1.9	1	1.6	2	2.5	3.8	5.3	5.9	6.3	6.2	5.9	6.1	6.2	5.9	5.7	5.1	4.5	3	2.3	2.1	1.9	1.6	3.7
22	2.3	0.8	0.5	0.8	0.5	0.7	0.8	0.8	1	1.5	1.8	2	3.6	3.5	4.2	4.7	4	4	3.6	3.2	3	3.1	3.2	3	2.4
23	3.3	2.5	2.9	2.6	2.3	2.9	3.5	4.6	3.3	3.5	3.1	3.4	2.8	3.7	3.5	6	4.9	4.1	4.3	3.5	3	2.7	2.9	3	3.4
24	3.2	2.9	3	2.3	2.2	2.4	2.8	3.7	3.8	3.8	3.4	3.8	4.4	4.2	2.2	5.7	8	2.9	3.5	4	3.4	3.7	1.9	1.9	3.5
25	2.8	2.8	2.6	2.6	2.3	2.6	2.1	2.6	3.3	3.6	3.3	4	4.2	5.3	5.4	4.8	4.9	4.8	4.6	3.6	3.1	2.3	1.7	2.2	3.4
26	2.6	2.6	3.5	3.4	2.7	3	2.8	3	3.4	4.2	4.4	5	4.7	4.9	5.6	6.4	5.8	5.1	3.3	3	1.8	1.6	2.3	1.4	3.6
27	1.2	1.1	0.8	1.5	1.2	0.8	1.3	1.6	2	3.2	3.4	4.9	5.1	5.1	3.9	5.3	5.6	3.8	3.2	1.8	1.9	2	2.2	1	2.7
28	1.8	2.4	2	1.7	2.5	1.1	0.9	1.7	2	4.1	4.1	3.9	3.6	4	4	2.4	1.8	2.4	1.4	0.4	1.7	0.2	0.1	0.2	2.1
29	0.1	0	0	0	0	0.9	1.3	0.9	0.8	0.2	1.8	1.4	3.1	4.1	4.6	4.3	3.8	3.1	2.4	2.4	1.6	3.3	4	2.4	1.9
30	2	2.5	2.6	2.8	2.6	2.2	1.9	2.8	3.5	4.4	4.3	4.4	3.1	3.1	3.4	2.8	3	2.9	4.1	4.2	4.3	4	3.8	3.9	3.3
31	3.2	3	3.8	3.1	2.9	3	3.2	4	3.6	4.1	5.3	5.7	6.1	5.8	4.9	5.3	5.3	4.2	3.2	2.1	1.6	2.7	2.8	1.8	3.8
Avg	1.8	1.8	1.9	1.8	1.8	1.8	2.1	2.8	3.4	3.7	4	4.2	4.4	4.6	4.9	4.9	4.7	4.1	3.4	2.8	2.6	2.4	2.1	1.8	3.1
S D	1.2	1.1	1.1	0.9	0.8	1	1	1.1	1.3	1.3	1.3	1.3	1.2	1.2	1.5	1.4	1.3	1.2	1	1.2	1.1	1	1.1	1.1	0.7
S/A	0.66	0.61	0.59	0.52	0.47	0.55	0.48	0.41	0.39	0.36	0.33	0.31	0.27	0.26	0.31	0.29	0.29	0.29	0.31	0.41	0.41	0.43	0.54	0.62	0.23
Min	0	0	0	0	0	0	0.2	0.8	0.8	0.2	1.8	1.4	2.3	2.2	2.2	1.9	1.8	0.9	0.7	0.3	0.7	0.2	0.1	0.2	1.4
Max	3.8	3.8	4	3.4	3.2	4	4.6	5.3	6.7	6.3	6.5	6.3	6.7	6.6	10	7	8	7.1	4.8	4.9	4.8	4.5	4.7	4	4.3
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: 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**

**August 2002**

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011	
2	1012	1012	1012	1012	1013	1013	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015	1014	1015	1015	1015	1015	1015	1016	1017	1017	1014
3	1017	1017	1017	1017	1017	1018	1018	1019	1019	1020	1020	1020	1020	1020	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1019	
4	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1021	1020	1020	1020	1020	1019	1019	1019	1019	1018	1019	1019	1019	1019	1018	1019
5	1018	1017	1016	1016	1016	1016	1016	1016	1017	1017	1017	1016	1016	1015	1014	1014	1013	1013	1013	1013	1013	1013	1013	1012	1012	1015
6	1011	1010	1010	1009	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1010	1010	1011	1011	1012	1012	1013	1014	1014	1014	1011	
7	1013	1013	1013	1013	1013	1014	1015	1015	1015	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1015	
8	1016	1016	1016	1016	1016	1016	1017	1017	1017	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1019	1017	
9	1018	1018	1018	1018	1018	1019	1020	1021	1021	1021	1021	1021	1021	1020	1020	1020	1019	1020	1019	1020	1020	1020	1021	1020	1020	
10	1020	1020	1020	1019	1020	1020	1021	1021	1022	1022	1022	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	
11	1019	1019	1019	1018	1019	1019	1020	1020	1020	1020	1020	1019	1019	1018	1018	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	
12	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	
13	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1017	1017	1016	1016	1016	1016	1016	1017	1018	1018	1019	1018	
14	1019	1018	1018	1018	1019	1019	1019	1019	1020	1020	1020	1020	1019	1019	1018	1018	1018	1017	1018	1018	1018	1019	1019	1020	1019	
15	1020	1020	1019	1019	1020	1021	1021	1022	1022	1022	1022	1022	1022	1021	1021	1020	1020	1020	1020	1020	1020	1021	1022	1022	1022	
16	1022	1021	1021	1021	1021	1022	1022	1022	1022	1022	1022	1022	1022	1021	1020	1019	1019	1020	1020	1019	1019	1020	1019	1019	1021	
17	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1017	1016	1015	1015	1014	1014	1015	1015	1015	1015	1017	
18	1014	1014	1013	1013	1013	1013	1014	1013	1013	1013	1013	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	
19	1011	1011	1011	1010	1010	1011	1012	1012	1012	1012	1013	1012	1012	1011	1010	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	
20	1011	1011	1011	1011	1011	1011	1012	1013	1013	1013	1013	1013	1013	1012	1013	1013	1014	1014	1014	1015	1015	1016	1016	1016	1013	
21	1017	1017	1017	1017	1017	1018	1019	1020	1020	1021	1021	1021	1022	1021	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1020	
22	1022	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1022	1021	1020	1019	1018	1017	1016	1016	1016	1016	1016	1016	1015	1019	
23	1015	1014	1014	1013	1013	1013	1013	1013	1013	1014	1014	1013	1013	1012	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1012	
24	1010	1010	1009	1009	1009	1009	1009	1009	1010	1010	1009	1009	1008	1007	1006	1005	1006	1007	1007	1008	1008	1009	1009	1009	1008	
25	1008	1008	1008	1008	1008	1008	1009	1010	1010	1010	1010	1011	1011	1010	1010	1010	1010	1011	1011	1011	1012	1012	1012	1011	1010	
26	1011	1011	1012	1011	1011	1012	1012	1012	1012	1013	1012	1012	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012	1012	
27	1012	1012	1012	1012	1013	1013	1014	1014	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1015	
28	1016	1016	1016	1015	1015	1015	1016	1016	1016	1016	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1015	
29	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1017	1016	1016	1016	1016	1016	1017	1017	1017	1018	1018	1017	1017	1017	1016	
30	1018	1018	1018	1018	1018	1019	1020	1020	1020	1020	1020	1020	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1020	
31	1022	1022	1022	1022	1022	1023	1023	1023	1024	1024	1024	1024	1024	1024	1023	1023	1023	1023	1023	1022	1023	1022	1022	1022	1023	
Avg	1016	1016	1015	1015	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1015	1015	1016	1016	1016	1016	1016	1016	1016	
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Min	1008	1008	1008	1008	1008	1008	1009	1009	1009	1010	1009	1009	1008	1007	1006	1005	1006	1007	1007	1008	1008	1009	1009	1009	1008	
Max	1022	1022	1022	1022	1022	1023	1023	1023	1024	1024	1024	1024	1024	1024	1023	1023	1023	1023	1023	1023	1022	1023	1022	1022	1023	
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