

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

**March 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	0	17	132	342	527	652	746	766	707	582	417	232	53	0	0	0	0	0	0	5173
2	0	0	0	0	0	0	12	66	152	76	87	99	188	177	84	35	15	4	0	0	0	0	0	0	995
3	0	0	0	0	0	0	2	15	49	88	141	120	152	180	91	108	36	7	0	0	0	0	0	0	991
4	0	0	0	0	0	0	6	38	147	248	525	556	547	449	331	245	128	33	0	0	0	0	0	0	3253
5	0	0	0	0	0	0	23	150	365	551	698	786	805	749	633	463	254	59	0	0	0	0	0	0	5536
6	0	0	0	0	0	0	25	152	363	548	692	777	793	742	602	459	225	54	0	0	0	0	0	0	5430
7	0	0	0	0	0	0	37	142	345	497	635	765	765	711	569	447	237	45	0	0	0	0	0	0	5195
8	0	0	0	0	0	0	24	87 ?	380 ?	525	683	698	758	730	611	443	241	58	0	0	0	0	0	0	5238
9	0	0	0	0	0	0	19	140	260	419	623	732	745	523	354	380	201	42	1	0	0	0	0	0	4439
10	0	0	0	0	0	0	20	142	386	582	738	829	845	788	668	491	278	72	1	0	0	0	0	0	5839
11	0	0	0	0	0	0	31	176	391	577	723	809	818	639	634	429	151	43	2	0	0	0	0	0	5423
12	0	0	0	0	0	0	2	13	40	119	109	155	87	101	93	49	41	17	3	0	0	0	0	0	829
13	0	0	0	0	0	0	1	13	70	31	56	58	200	205	94	89	36	8	1	0	0	0	0	0	860
14	0	0	0	0	0	0	17	102	305	559	696	777	779	698	619	461	272	80	5	0	0	0	0	0	5370
15	0	0	0	0	0	0	35	149	309	523	700	558	467	579	615	451	248	43	2	0	0	0	0	0	4680
16	0	0	0	0	0	0	43	114	256	499	690	762	686	635	447	82	107	39	3	0	0	0	0	0	4363
17	0	0	0	0	0	0	8	27	54	83	81	81	39	50	39	25	20	5	1	0	0	0	0	0	514
18	0	0	0	0	0	0	5	24	70	130	141	190	155	168	160	109	60	16	3	0	0	0	0	0	1231
19	0	0	0	0	0	0	17	73	153	303	308	422	502	339	270	129	68	27	3	0	0	0	0	0	2615
20	0	0	0	0	0	0	4	9	75	56	152	110	127	446	480	340	190	60	4	0	0	0	0	0	2054
21	0	0	0	0	0	0	7	22	42	103	87	109	208	197	325	432	258	93	6	0	0	0	0	0	1889
22	0	0	0	0	0	0	39	244	467	655	802	883	892	832	704	525	312	98	8	0	0	0	0	0	6461
23	0	0	0	0	0	0	55	246	463	650	800	885	894	834	706	525	310	101	9	0	0	0	0	0	6476
24	0	0	0	0	0	0	51	242	453	631	760	848	860	803	645	451	298	90	10	0	0	0	0	0	6140
25	0	0	0	0	0	0	59	212	360	484	578	729	837	790	604	408	217	92	11	0	0	0	0	0	5382
26	0	0	0	0	0	0	41	197	408	574	538	443	103	332	50	169	156	58	7	0	0	0	0	0	3075
27	0	0	0	0	0	0	13	24	36	79	253	369	469	619	345	257	152	58	7	0	0	0	0	0	2680
28	0	0	0	0	0	1	61	259	474	665	799	930	895	735	682	548	307	96	9	0	0	0	0	0	6461
29	0	0	0	0	0	3	68	226	452	627	767	844	850	796	672	501	297	91	11	0	0	0	0	0	6206
30	0	0	0	0	0	2	25	138	226	345	243	410	449	352	187	41	97	21	2	0	0	0	0	0	2537
31	0	0	0	0	0	0	6	27	67	205	233	128	111	186	202	62	12	11	1	0	0	0	0	0	1251
Avg	0	0	0	0	0	0	25	116	257	386	484	536	542	519	423	309	176	51	3	0	0	0	0	0	3825
S D	0	0	0	0	0	1	19	82	157	224	275	308	311	259	236	184	102	31	4	0	0	0	0	0	2052
S/A	0	0	0	0	0	3.14	0.78	0.71	0.61	0.58	0.57	0.57	0.57	0.5	0.56	0.6	0.58	0.61	1.05	0	0	0	0	0	0.54
Min	0	0	0	0	0	0	1	9	36	31	56	58	39	50	39	25	12	4	0	0	0	0	0	0	514
Max	0	0	0	0	0	3	68	259	474	665	802	930	895	834	706	548	312	101	11	0	0	0	0	0	6476
n	0	0	0	0	0	6	282	366	367	372	372	372	372	372	372	372	372	370	59	0	0	0	0	0	4426

Daylight Data Recovery: 0.0% missing; 0.3% exceed the 15% QC threshold -- 4438 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 25823F3    Calibration Factor: 9.830 μV/W/m²    Calibration Date: 05/1998

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

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

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

**March 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	0	210	616	832	915	830	910	934	896	831	751	657	349	0	0	0	0	0	0	8732
2	0	0	0	0	0	0	0	1	2	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	7
3	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	0	1	9	277	117	76	91	38	50	10	48	0	0	0	0	0	0	715
5	0	0	0	0	0	0	231	632	850	931	978	997	1001	988	959	901	772	416	0	0	0	0	0	0	9654
6	0	0	0	0	0	0	241	625	827	901	947	971	975	928	786	800	455	199	0	0	0	0	0	0	8654
7	0	0	0	0	0	0	110	315	591	586	661	828	824	841	751	795	548	99	0	0	0	0	0	0	6951
8	0	0	0	0	0	0	90	496	798 ?	838	905	723	823	892	862	806	653	286	0	0	0	0	0	0	8172
9	0	0	0	0	0	0	9	207	221	251	520	577	679	337	56	326	283	3	0	0	0	0	0	0	3469
10	0	0	0	0	0	0	13	420	822	928	983	1009	1020	1005	975	915	796	475	8	0	0	0	0	0	9368
11	0	0	0	0	0	0	266	661	829	898	940	964	931	310	745	393	25	28	0	0	0	0	0	0	6991
12	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
13	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	3
14	0	0	0	0	0	0	0	2	205	791	859	881	833	723	769	731	603	248	0	0	0	0	0	0	6645
15	0	0	0	0	0	0	28	186	421	484	794	396	194	464	747	703	523	88	4	0	0	0	0	0	5033
16	0	0	0	0	0	0	110	57	293	386	786	793	372	506	318	2	18	5	2	0	0	0	0	0	3648
17	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
18	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	6
19	0	0	0	0	0	0	0	0	0	28	3	9	53	10	9	0	0	0	0	0	0	0	0	0	113
20	0	0	0	0	0	0	0	0	0	0	1	0	0	89	160	165	132	16	0	0	0	0	0	0	564
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	46	540	547	429	47	0	0	0	0	0	1611
22	0	0	0	0	0	0	160	721	878	948	981	993	993	971	933	875	761	473	97	0	0	0	0	0	9784
23	0	0	0	0	0	0	357	729	866	933	967	984	989	968	921	852	726	467	97	0	0	0	0	0	9856
24	0	0	0	0	0	0	298	678	813	864	877	918	928	897	765	578	661	356	58	0	0	0	0	0	8692
25	0	0	0	0	0	0	107	244	317	299	293	507	727	864	708	480	335	309	31	0	0	0	0	0	5223
26	0	0	0	0	0	0	98	481	664	589	474	191	7	61	0	4	10	1	0	0	0	0	0	0	2580
27	0	0	0	0	0	0	0	0	0	0	2	4	5	134	21	44	13	7	2	0	0	0	0	0	232
28	0	0	0	0	0	0	276	638	781	759	760	883	861	663	817	750	491	283	3	0	0	0	0	0	7965
29	0	0	0	0	0	1	175	407	685	730	780	795	797	788	753	693	550	221	25	0	0	0	0	0	7400
30	0	0	0	0	0	0	0	12	13	43	1	25	74	37	7	0	2	0	0	0	0	0	0	0	214
31	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	6
Avg	0	0	0	0	0	0	90	262	378	423	472	467	455	435	419	392	309	155	12	0	0	0	0	0	4268
S D	0	0	0	0	0	0	113	286	373	401	418	431	438	410	405	369	310	179	27	0	0	0	0	0	3875
S/A	0	0	0	0	0	5.57	1.25	1.09	0.99	0.95	0.89	0.92	0.96	0.94	0.97	0.94	1	1.15	2.22	0	0	0	0	0	0.91
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	1	357	729	878	948	983	1009	1020	1005	975	915	796	475	97	0	0	0	0	0	9856
n	0	0	0	0	0	6	283	371	369	372	372	372	372	372	372	371	371	370	59	0	0	0	0	0	4432

Daylight Data Recovery: 0.0% missing; 0.1% exceed the 15% QC threshold -- 4438 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.

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 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	0	9	33	50	56	122	98	92	98	97	84	59	20	0	0	0	0	0	0	818
2	0	0	0	0	0	0	10	58	135	70	79	90	170	160	76	32	14	4	0	0	0	0	0	0	899
3	0	0	0	0	0	0	2	14	44	80	129	110	139	163	84	98	33	7	0	0	0	0	0	0	903
4	0	0	0	0	0	0	5	34	131	227	309	436	465	368	302	219	121	28	0	0	0	0	0	0	2645
5	0	0	0	0	0	0	11	34	48	53	57	60	63	63	59	52	40	17	0	0	0	0	0	0	558
6	0	0	0	0	0	0	12	35	50	61	64	64	68	88	109	86	85	31	0	0	0	0	0	0	753
7	0	0	0	0	0	0	33 ?	73	107	155	162	140	134	110	99	75	72	35	0	0	0	0	0	0	1195
8	0	0	0	0	0	0	13	39	53	66	68	141	117	88	77	63	50	24	0	0	0	0	0	0	799
9	0	0	0	0	0	0	18	88	151	253	237	260	197	250	309	213	102	38	1	0	0	0	0	0	2116
10	0	0	0	0	0	0	19	42	52	55	58	62	62	63	60	53	41	19	1	0	0	0	0	0	586
11	0	0	0	0	0	0	13	38	53	63	67	70	90	360	150	212	133	36	2	0	0	0	0	0	1287
12	0	0	0	0	0	0	2	12	36	105	97	139	79	90	83	44	37	16	3	0	0	0	0	0	743
13	0	0	0	0	0	0	1	11	63	28	50	53	180	182	84	80	32	7	1	0	0	0	0	0	773
14	0	0	0	0	0	0	17	90	199	94	86	89	115	151	122	100	84	46	4	0	0	0	0	0	1196
15	0	0	0	0	0	0	34	92	129	227	127	234	302	225	132	98	80	29	1	0	0	0	0	0	1708
16	0	0	0	0	0	0	35	99	116	249	121	133	338	226	227	81	101	36	3	0	0	0	0	0	1765
17	0	0	0	0	0	0	7	24	49	75	73	73	35	45	36	23	18	5	1	0	0	0	0	0	464
18	0	0	0	0	0	0	4	22	63	117	127	172	140	152	145	100	56	16	3	0	0	0	0	0	1118
19	0	0	0	0	0	0	16	65	137	270	278	391	446	307	241	115	60	24	3	0	0	0	0	0	2354
20	0	0	0	0	0	0	3	8	67	51	136	99	114	368	360	246	136	53	3	0	0	0	0	0	1645
21	0	0	0	0	0	0	6	20	38	93	78	99	188	176	274	139	81	34	7	0	0	0	0	0	1233
22	0	0	0	0	0	0	19	49	60	66	70	72	75	80	76	68	54	29	5	0	0	0	0	0	721
23	0	0	0	0	0	0	20	46	57	63	70	75	76	80	81	75	60	32	7	0	0	0	0	0	742
24	0	0	0	0	0	0	23	51	65	81	91	86	87	97	114	132	67	32	8	0	0	0	0	0	934
25	0	0	0	0	0	0	44	138	191	271	325	278	216	110	117	146	87	42	9	0	0	0	0	0	1974
26	0	0	0	0	0	0	30	85	103	173	163	238	90	262	45	151	141	50	6	0	0	0	0	0	1536
27	0	0	0	0	0	0	11	21	32	70	220	324	418	456	303	210	138	51	6	0	0	0	0	0	2259
28	0	0	0	0	0	1	29	65	86	152	191	170	150	182	112	136	127	44	8	0	0	0	0	0	1452
29	0	0	0	0	0	2	52	87	109	140	149	161	165	160	144	121	94	51	10	0	0	0	0	0	1445
30	0	0	0	0	0	2	22	127	207	307	213	388	370	302	170	37	87	20	2	0	0	0	0	0	2253
31	0	0	0	0	0	0	5	24	59	181	206	114	97	163	178	55	11	10	1	0	0	0	0	0	1104
Avg	0	0	0	0	0	0	17	52	88	127	136	159	170	181	144	108	74	29	3	0	0	0	0	0	1290
S D	0	0	0	0	0	1	13	34	50	81	77	108	120	107	88	60	38	14	3	0	0	0	0	0	600
S/A	0	0	0	0	0	3.15	0.76	0.66	0.57	0.64	0.57	0.68	0.71	0.59	0.61	0.56	0.51	0.51	0.99	0	0	0	0	0	0.47
Min	0	0	0	0	0	0	1	8	32	28	50	53	35	45	36	23	11	4	0	0	0	0	0	0	464
Max	0	0	0	0	0	2	52	138	207	307	325	436	465	456	360	246	141	53	10	0	0	0	0	0	2645
n	0	0	0	0	0	6	278	371	372	372	372	372	372	372	372	371	371	370	59	0	0	0	0	0	4430

Daylight Data Recovery: 0.0% missing; 0.2% exceed the 15% QC threshold -- 4438 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 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	1.3	0.5	0.2	-0.1	-0.8	-1.2	-2.1	-1.4	1	3.8	5.5	6.8	8.2	8.4	9.2	8.7	7.9	6.8	5.4	4.8	4.5	4.2	4.3	3.8	3.7
2	4	3.2	2.6	2.7	3.6	4.4	5.8	6.9	8.3	9.6	10.2	10.9	12.4	13.3	13.3	13.6	12.5	13.1	13.2	12.7	14.1	15	15.7	16.4	9.9
3	17	17.1	17.3	17.6	18	18	18	18	17.8	18	18.4	18.3	18.2	18.8	18.8	18.9	18.9	18.6	18	17.8	17.7	17.3	16.8	15.6	17.9
4	13.5	10.9	8.8	7.5	6	4.6	3.9	3.6	3.4	3.5	4.1	5	5.7	5.4	4.9	4.4	4.2	3.7	3	2.3	1.3	0.4	-0.2	-0.9	4.5
5	-1.9	-2.6	-3.1	-3.7	-4.1	-4.6	-5.1	-4	-1.5	0.1	1.3	2.6	3.7	4.7	5.3	6.3	6.8	6.6	5.3	4.3	4.1	3.9	4	4	1.3
6	3.7	3.3	2.6	2.4	2.1	2.1	2.3	3.6	6.5	8.7	10.3	11.4	12.3	13.2	14	14.3	14.7	13.9	12.5	11.5	10.9	10.5	10.1	9.5	8.6
7	9	8.9	8.5	8.1	7.8	7.3	7.6	9.2	11.2	13.6	15.5	17.3	18.3	19	19.2	19.2	18	17	15.5	14.7	13.9	12.7	11.8	11.2	13.1
8	10.7	10.4	9.4	8.8	8.7	8.6	7.8	8.9	11.6	15	17.6	18.6	19.4	20.2	20.5	20.5	19.6	18.5	16.9	15.8	15.6	15.2	14.7	14.2	14.5
9	13.6	13.3	13.5	13.5	13.6	14	14	14.8	17.6	19.6	20.7	21.8	22.4	22.3	21.8	21.9	21.4	20.2	19.5	18.8	18.4	18.2	17.9	17.8	17.9
10	17.8	17.9	17.9	17.8	17.6	17.6	18	16.2	14.3	13.9	13.6	14.1	15	15.1	15.1	15.5	14.6	12.8	11.5	10.2	9.1	8.4	7.3	7.3	14.5
11	6.7	6.1	5.4	4.9	4.5	3.9	3.4	4.5	5.6	6.2	6.7	7.5	8	8.2	8.1	7.6	6.7	6.2	5.9	6	6.1	6.2	6.7	7.5	6.2
12	8.2	9.1	9.9	11.4	12.7	13.4	13	9.6	10.5	11.7	13.1	13.7	12.8	12.3	12.5	12.4	12.2	12.1	11.7	11.8	12.3	12.4	12.5	12.5	11.8
13	12.4	12.3	12.3	12.5	13.3	15.1	15.8	15.7	15.8	16	15.6	15.8	16.5	16.8	16.8	16	15.4	15.2	14.8	14.1	13.3	12.6	12.1	11.9	14.5
14	11.8	11.8	11.7	11.6	11.7	11.6	11.5	11.7	12.6	14.2	16.8	18.2	19.5	19.8	18.3	18.1	17.4	14.4	10.9	9.8	10.1	10.7	10.7	10.7	13.6
15	10.5	10.5	10.7	10.7	10.8	11.3	11.9	13.3	15.7	18.6	20.3	21.6	22.5	23.6	24.6	24.7	24.6	22.6	20.7	19.9	19.3	18.6	18	17.7	17.6
16	17.2	17.1	17	16.8	17.1	16.8	16.6	17.3	18.2	20.9	22.9	24.5	26	26.7	27.5	26.6	22.6	22.1	21.5	21	20	19.2	18.4	13.7	20.3
17	12.5	12	11.7	11.3	10.8	10.1	9.7	9.5	10	10.8	11.4	11.7	10.9	10	9.5	9.3	9.1	9.5	9.8	9.5	9.8	10.2	10.8	10.5	10.4
18	10.5	10.5	10.5	10.4	10.5	10.5	10	9.7	9.7	9.7	9.5	9.7	10.1	10.5	10.8	10.9	11	10.6	10.4	10.2	10.2	10.1	9.9	9.7	10.2
19	9.5	9.4	9.2	9	8.9	8.9	8.8	9	9.4	10	10.2	10.5	10.4	10.5	10	9.5	9	8.6	8.4	8.4	8.5	8.6	8.6	8.8	9.3
20	8.8	9.3	10	10.3	10.6	11.2	12.6	13.6	14.3	15.1	16.2	18	18.9	19.9	21.6	22.3	22.7	23.1	23.1	22	19.6	18.1	16.5	14.6	16.4
21	13.6	12.8	12.3	11.6	11.1	10.7	10.1	9.3	8.2	8.1	8.2	8.2	8.6	9.2	10	11.8	11.9	11.7	10.4	9.3	8.6	8.4	8.5	9.4	10.1
22	9.9	7.4	4.6	2.7	1.6	1.4	0.5	0.3	0.6	1.2	1.9	3	4.2	4.9	5.9	6.3	6.7	6.4	5.4	4	3.2	2.5	1.5	1.3	3.6
23	0.9	0.4	0.3	-0.4	-0.7	-1.1	-1.2	0.8	3.3	4.7	5.3	6.3	7.7	8.7	10.1	11	11.5	11.1	9.8	9	8.4	8.2	8.4	8.3	5.4
24	8.1	7.8	7.4	6.6	6.5	6.1	6.5	8	10	12.7	15.2	16.7	17.5	18.5	19.2	19.4	19	17.7	15.8	14.6	14.2	13.5	13.2	13.4	12.8
25	13.2	13	12.8	12.8	12.5	12.3	12.5	14.2	16.3	18.1	20	21.3	22.8	23.2	24.3	20.6	17.4	14.5	12.8	12	11.8	12.1	12.1	12	15.6
26	11.1	10.8	10.8	10.8	10.3	9.6	9.5	11.4	14.6	17.5	20	19.4	18.8	19.1	19.5	20	21.1	21.2	20.2	19.8	19.8	19.9	19.9	19.4	16.4
27	19.3	19.2	17.8	17.6	15.4	13.7	13.3	13.3	12.8	10.1	11	12.2	13.1	13.7	14	13.7	13.7	12.7	11.2	10.2	9.2	8.4	7.7	7.1	12.9
28	6.6	5.9	5.2	4.5	3.9	3	2.8	5	6.7	8	8.9	9.9	10.9	11.8	12.1	12	10.3	9	7.7	7	6.8	6.6	6.4	6.5	7.4
29	6.5	6.3	6.2	6.7	7	5.8	6.8	9.2	11.8	13.6	14.9	16.1	17.2	18	17.6	16.5	15.7	16.2	15.6	15	15.4	16.4	16.4	16.6	12.8
30	16.9	17.4	17.8	17.8	17.5	17.4	17.6	18.4	19.5	20.7	21.6	22.7	23.6	24	23.9	19.3	19.8	20.3	19.6	18.9	18.9	18.8	18.6	18.8	19.6
31	18.9	19	19	19	18.9	18	14	12.4	12.2	11.8	12.2	12.6	12	11.8	12.3	12.4	12.3	12.3	12.4	12.7	13	12.8	13.8	14.9	14.2
Avg	10.4	10	9.7	9.5	9.3	9	8.9	9.4	10.6	11.8	12.9	13.8	14.4	14.9	15.2	15	14.5	13.9	12.9	12.2	11.9	11.6	11.4	11.1	11.8
S/D	5.3	5.5	5.7	5.9	6	6.1	6.1	5.8	5.5	5.6	5.9	6	6	6.1	6.2	5.7	5.5	5.4	5.3	5.3	5.3	5.3	5.2	5.1	5
S/A	0.52	0.55	0.59	0.62	0.65	0.68	0.69	0.61	0.52	0.48	0.46	0.44	0.42	0.41	0.41	0.38	0.38	0.39	0.41	0.43	0.44	0.45	0.46	0.46	0.42
Min	-1.9	-2.6	-3.1	-3.7	-4.1	-4.6	-5.1	-4	-1.5	0.1	1.3	2.6	3.7	4.7	4.9	4.4	4.2	3.7	3	2.3	1.3	0.4	-0.2	-0.9	1.3
Max	19.3	19.2	19	19	18.9	18	18	18.4	19.5	20.9	22.9	24.5	26	26.7	27.5	26.6	24.6	23.1	23.1	22	20	19.9	19.9	19.4	20.3
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: CSI HMP-35C    Serial Number: P0520031    Calibration Factor: 1.00 deg C/mV    Calibration Date: 03/1988

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

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

Prepared by: Afshin M. Andreas, NREL

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

**March 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	51.9	56.4	58.7	60.9	65.3	63.2	64.1	59.8	54.4	50.1	49.6	40.4	36.1	35.7	35.2	41.9	45.7	48.2	53.6	64.1	69.7	73.1	75.6	78.6	55.5	
2	78.8	83.3	86.1	89.5	92.1	93.9	92.9	91.4	90.6	88.2	87.1	85.9	84.9	83.6	85.2	86.4	98 ?	99.7 ?	?	?	?	?	?	?	88.7 ?	
3	?	?	?	?	?	?	?	?	?	?	98.9 ?	98.6	99.6 ?	97.4	96.4	96.8	97.8	99	99.7 ?	?	97.8	97.3	96.9	95.1	97.8 ?	
4	86.3	72.8	72.2	69	69.7	66.7	64.9	63.2	63.2	58.4	54.2	52.8	51.4	52.1	50	48.5	44.7	40.3	47.3	44.7	44.9	42.3	41.4	40.5	55.9	
5	46.9	49.9	50.5	52.9	55.6	60	64.7	59.2	46.8	34.8	33.6	29.9	33.3	35.3	36.5	34.8	34.7	36.6	44.9	53.7	57.2	64.1	69.2	69.7	48.1	
6	77.8	78.8	80.4	80.1	81.1	81.5	81	78.1	68.1	53	44.2	40.9	39.2	37.5	37.4	37.1	36.6	42	53.8	63.2	69.6	73.8	79.9	86.4	62.6	
7	91.3	93.9	96	97.4	98.4	99.4	98.2	90.3	81.4	68.6	56.1	41.6	33.8	32.2	33.6	37.8	52.6	62.2	69.3	73.1	80.4	87.6	92.4	96	73.5	
8	98.2	99.8 ?	?	?	?	?	?	?	97.4 ?	87.1	72.3	72	67.6	58.1	57.2	64.7	76.6	83.4	90.4	95.8	97.1	98.7	99.9 ?	?	83.3 ?	
9	?	?	?	?	?	?	?	99.1 ?	95.7	88.5	82.6	74.2	69.8	68.1	70.1	72.1	72.9	77.9	82.4	89.5	93.8	95.3	96.7	97.3	83.9 ?	
10	97.3	98.1	99.3	99.9 ?	99.8 ?	99.1 ?	95.2	56	34.1	34	29.1	23.3	22	18.6	18	17.2	16.5	17.4	20.4	23.3	26.2	28	48.2	60.1	49.2	
11	57.9	56.1	60.4	56.3	54.2	58.2	64.4	60.5	53.7	48.9	44.9	44.8	45.2	46.8	46.5	49.8	55.5	58.9	64.2	66.1	71.7	76.1	81	87.9	58.7	
12	91.9	95.3	96.7	95.5	90.4	88.9	93.3	96.7	97.6	98.9	98.1	98.6 ?	?	?	?	?	?	?	?	?	?	?	?	?	95.2 ?	
13	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
14	?	?	?	?	?	?	?	99.3 ?	96.3	88.8	79.3	73.8	66.7	67.5	77.9	74.9	75.1	90.2	98.9 ?	?	?	?	?	?	82.4 ?	
15	?	?	?	?	?	?	?	?	98.4 ?	92.7	83.7	75.5	70.7	66.1	61.7	61.5	64.3	72	77.6	80.5	82.9	87.3	90	92.1	78.6 ?	
16	97.1	99.5 ?	?	?	99.1 ?	97.6	96.2	94	89.5	77.7	70.5	66.5	63.5	62	59.7	62.7	89.3	96.3	98.7	91.7	94.8	99.3 ?	91.4 ?	96.8	86.1 ?	
17	95	89.6	86.1	88.6	90.5	97.5	99.8 ?	?	?	?	98.9 ?	96.6	98.6 ?	?	?	?	?	?	?	?	?	?	?	?	94.1 ?	
18	?	?	?	?	?	?	?	?	?	?	100 ?	99.9 ?	99.6	98.8	97.9	97.5	98.5	98.8	99.2	99	98.8	99	99.3	99.9 ?	98.9 ?	
19	99.8	99.8 ?	?	?	?	99.4	98.2	96.8	93.4	88.8	87.3	85	83	82	85	85.6	88.2	90.2	92.4	94.9	95.1	95.4	95.1	95.8	92 ?	
20	97.3	98.6	98	98.4	99.1 ?	?	?	100 ?	99.8	99.5 ?	98	96.2	97.5	97.4	92.5	90.8	90.2	80.4	73	79.1	89.1	89.8	89.2	85.9	92.7 ?	
21	88.6	86	87.6	93.1	95.4	95.6	99.3 ?	97.8	99.3 ?	?	100 ?	99.6 ?	98.1	97.5	94.3	85.6	82	83.6	90.2	95.4	98.4	99.9 ?	99.9 ?	98.9	94.2 ?	
22	96.5	79.3	70.2	59.6	56.4	47.6	45.5	46.9	44.7	42.5	41.3	39.1	36.6	35.3	34.2	34.1	30.1	32.7	38.7	42.4	46.6	46.2	50.5	51.2	47.8	
23	53.4	54	51.8	54.6	55.5	60.2	63.2	56.5	43.4	34.3	35.9	35.5	36.8	34.7	33.3	31.6	31.8	34.9	40.8	45.2	54.3	66.9	63.2	65.3	47.4	
24	62.9	63.1	65.4	69.9	73.1	77.1	77	73.4	67.7	57.3	47.5	37.5	42.8	31.6	32.9	33.2	38.1	42.7	45.3	51.8	56.3	67.4	76.2	79.6	57.1	
25	82.1	86.3	89.7	92.3	95.1	97.7	99.4	96.3	91	83.2	70.1	59.9	57.7	53.7	48.7	65.2	75.6	86	93.9	98.7 ?	?	?	?	?	81.1 ?	
26	?	?	?	?	?	?	?	98.7 ?	95.9	91.8	88.8	96.9	99.7 ?	?	?	97.6 ?	94.6	89.6	90.5	94.5	94.5	92.6	92.4	94.3	94.2 ?	
27	95.1	96.2	?	?	?	?	?	?	?	99.5 ?	92	83.9	75.5	68.4	69	70.4	69.5	70.3	73.5	77.6	79.5	80.8	84.8	81.1	80.4 ?	
28	75.5	72.7	74.1	77.9	81.2	87.4	87.8	74.1	70.2	66.7	62.7	59.1	55.1	54.1	53.9	59.1	67.5	71.4	77.7	81	81.8	83.5	84.7	84.2	72.6	
29	86.6	90	90.9	89.9	90.3	95.6	94.6	84.9	74.4	64.8	57	51.7	54.9	56.8	58.2	58.8	63.2	69.1	70.7	75.7	82.7	89	92.8	95.1	76.6	
30	96.4	96.6	96.3	96.8	97.8	98.5	97.7	96	93.4	90.3	87.5	82.8	76.5	73.2	73.4	96.2	96.7	97.2	98.3 ?	99.5 ?	?	?	?	?	92 ?	
31	?	?	?	?	?	?	?	?	?	99.2 ?	97.8	97.2	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Avg	82.8	82.4	79.5	80.1	82	83.3	83.9	81.3	77.6	72.6	71.6	68	64.2	59.4	59.2	62.7	66.1	69.3	72.5	74.2	76.7	79.7	82.2	83.2	76.6 ?	
S D	16.9	16.6	16.2	16.8	16.9	17.4	16.8	18	21.3	22.4	23.3	25	24.4	23.4	23.3	24.1	24.6	24.4	23	21.7	20.5	19.8	17.2	16.4	17.3	
S/A	0.2	0.2	0.2	0.21	0.21	0.21	0.2	0.22	0.27	0.31	0.33	0.37	0.38	0.39	0.39	0.38	0.37	0.35	0.32	0.29	0.27	0.25	0.21	0.2	0.23	
Min	46.9	49.9	50.5	52.9	54.2	47.6	45.5	46.9	34.1	34	29.1	23.3	22	18.6	18	17.2	16.5	17.4	20.4	23.3	26.2	28	41.4	40.5	47.4	
Max	99.8	99.8	99.3	99.9	99.8	99.4	99.8	100	99.8	99.5	100	99.9	99.7	98.8	97.9	97.9	98	99.7	99.7	99.5	99	99.9	99.9	99.3	98.9	
n	276	253	228	223	224	235	225	242	275	289	326	343	315	312	312	317	319	317	288	274	276	265	258	264	6631	

Data Recovery: 0.0% missing; 25.4% failed QC -- 8928 total measurements.

Instrument: CSI HMP-35C    Serial Number: P0520031    Calibration Factor: 0.10 %/mV    Calibration Date: 01/1999

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

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

Prepared by: Afshin M. Andreas, NREL

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

**March 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	-0.9	-1.5	-1.9	-2.1	-2.4	-3	-3.6	-3.3	-0.4	3.4	7	9.8	11.9	12.8	12.8	12.9	12	10.5	7.6	5.1	3.8	3.1	2.6	2.1	4.1
2	1.6	1.3	0.6	0.2	0.7	1.6	2.9	4.4	6.1	8.1	9.4	10.4	11.5	13	13.8	14	13.3	12.6	12.7	12.7	13	13.9	14.7	15.4	8.7
3	16.2	16.7	16.9	17.1	17.3	17.6	17.7	17.9	18	18.1	18.3	18.7	18.7	18.6	19.3	19.5	19.7	19.4	18.8	18.2	17.9	17.6	17.2	16.8	18
4	15.7	13.4	11.2	9.4	8	6.5	5.3	4.5	4.2	4.6	5.7	7.6	9	9.1	8.4	7.3	6.2	5	3.9	2.5	1.1	-0.1	-1.2	-2.1	6.1
5	-2.9	-4	-4.7	-5.2	-5.9	-6.4	-6.9	-6.3	-2.9	1	4	6.4	7.9	8.4	8.4	8.7	8.9	8.6	6.7	3.9	2.4	1.7	1.5	1.6	1.5
6	1.5	1.4	1.1	0.7	0.3	-0.1	-0.1	1.1	4.4	8.2	11	13.1	14.5	15.4	16.1	16.6	16.9	16.2	13.9	11.7	10.4	9.7	9.1	8.6	8.4
7	8	7.4	6.9	6.5	6.1	5.9	5.7	6.6	9.3	12.6	15.8	18.2	20.3	21.3	21.8	21.8	21.6	20	17.3	15	13.8	12.7	11.2	10.1	13.2
8	9.5	8.6	8.2	7.4	6.8	6.6	6.8	7.4	10.2	13.7	17.8	20.7	21.9	22.9	23.4	23.6	23.3	22.3	19.7	17.1	15.6	15	14.3	13.8	14.9
9	13.4	13	12.8	12.8	12.8	13.2	13.5	13.7	15.6	18.6	21.6	23.7	24.8	25.3	24.6	24.2	24.2	22.7	20.9	19.7	18.9	18.5	18	17.7	18.5
10	17.5	17.6	17.8	17.8	17.8	17.5	17.5	17.6	17.3	17.1	17.2	17.4	17.7	17.6	17.6	17.6	17.7	17.1	14.7	11.6	9.3	7.4	6.6	6.1	15.5
11	5.2	4.5	4.1	3.6	3.1	2.7	2	2.7	5.3	7.5	9.2	10.7	11.8	12.2	12.2	12.1	10.8	8.9	7.4	6.7	6.3	6.1	6.1	6.3	7
12	6.8	7.6	8.6	9.7	11	12.1	12.8	12	11	11.3	12.4	13.5	13.8	13.3	13	12.9	12.7	12.6	12.3	12.1	12.2	12.4	12.6	12.7	11.7
13	12.6	12.4	12.3	12.5	12.8	13.7	14.8	15.4	15.7	16.1	16.1	15.9	16.1	16.9	17.4	17.1	16.4	15.9	15.6	15.1	14.5	13.7	13.1	12.6	14.8
14	12.3	12.1	12	12	11.9	11.9	11.8	11.9	12.7	15.1	18.4	21.4	23.5	24.5	23.5	22.4	21.7	20.1	15.9	12.5	11.1	10.4	10.3	10.1	15.4
15	9.9	9.8	9.9	9.9	10	10.4	11	12	14	17.7	21.2	23.6	24	24.7	26	26.9	27.2	26.3	23.2	21	19.8	18.9	18	17.5	18
16	17	16.6	16.5	16.5	16.4	16.2	16	16.4	17.5	19.9	23.1	25.4	27.5	28.5	29.2	29.2	26.3	23.1	22.1	21.3	20.4	19.7	19.1	17.5	20.9
17	14.9	13.4	12.7	12.3	11.8	11.2	10.7	10.2	10.2	10.7	11.3	11.9	11.9	11	10.3	9.8	9.5	9.4	9.7	9.7	9.7	9.9	10.3	10.7	11
18	10.7	10.7	10.8	10.8	10.7	10.8	10.7	10.4	10.2	10.2	10.4	10.8	11.3	11.6	12.1	12.2	12.2	11.9	11.4	11	10.7	10.6	10.5	10.3	11
19	10.1	9.9	9.7	9.6	9.4	9.3	9.2	9.2	9.7	10.6	11.7	12.6	13.2	13.6	13.2	12.5	11.3	10.3	9.5	9.1	8.9	8.8	8.9	8.9	10.4
20	9	9	9.4	9.8	10.2	10.5	11.1	12.1	12.9	13.9	14.8	16.1	17.4	18.7	21.6	23.5	24.4	24	23.5	22.9	21.8	20.2	18.6	16.9	16.3
21	15.3	14	13.2	12.4	11.5	11	10.4	9.8	9	8.6	8.5	8.4	8.6	9.1	9.7	12	14	14.4	12.6	10.1	8.5	7.6	7.5	7.7	10.6
22	8.3	8.6	6.8	4.6	3.2	2.3	1.5	1.1	2.1	3.2	4.6	5.9	7.2	7.9	8.3	9.1	9.4	9.1	7.3	4.4	2.5	1.4	0.2	-0.8	4.9
23	-1.2	-1.6	-1.9	-2.3	-2.8	-3.3	-3.6	-1.5	2.6	6.4	8.7	9.8	10.4	10.9	11.5	12.5	13.2	13.3	11.7	9.1	7.4	6.6	6.6	6.7	5.4
24	6.7	6.5	6.3	5.8	5.2	4.9	4.7	6.5	9.7	12.8	16.3	19.1	20.4	20.9	21.4	21.7	22	21.3	18.6	15.7	14.1	13.2	12.5	12.2	13.3
25	12.2	12	11.8	11.7	11.5	11.4	11.2	12.4	15.1	17.6	20.1	22.5	24.7	26.3	26.8	26.7	23.7	20.1	16.6	13.8	12.3	11.6	11.3	11.1	16.4
26	11.1	10.7	10.6	10.6	10.4	10	9.6	10.4	13.6	17.8	21.7	22.1	20.6	19.6	19.9	19.8	20.4	21.3	21	20.2	19.8	19.6	19.7	19.7	16.7
27	19.4	19.3	18.8	17.9	17.2	15.5	14.3	13.8	13.6	12.5	11.3	12.3	14.3	15.7	16.8	16.5	15.9	15.2	13.7	11.7	9.8	8.5	7.5	6.6	14.1
28	6	5.4	4.6	3.8	2.9	2.1	1.3	3	6.3	9.1	11.7	13.5	15.2	15.8	16.1	16.5	16.3	13.9	10.7	8.1	6.7	6	5.3	5	8.6
29	4.9	4.7	4.2	3.9	4.2	4.2	3.9	6.3	10.2	14.1	17	19	20.4	21	21.3	20.8	19.9	18.7	17.4	15.7	14.9	15.2	15.7	16	13.1
30	16.2	16.4	16.8	17.1	17.2	17.1	17.2	17.6	19	20.5	22.1	23.1	24.7	25.4	25.8	23.7	20.4	19.7	19.6	19.3	18.7	18.7	18.6	18.5	19.7
31	18.6	18.6	18.7	18.9	19	18.9	17.6	14.7	13.4	12.8	13.2	14	13.6	12.9	13	13.4	13.3	13	12.8	12.8	13	13.2	13.2	14.1	14.9
Avg	9.8	9.5	9.2	8.9	8.7	8.5	8.3	8.7	10.2	12.1	13.9	15.4	16.4	16.9	17.3	17.3	16.9	16	14.5	12.9	11.9	11.4	11	10.7	12.3
S D	6.1	6.1	6.3	6.4	6.6	6.7	6.8	6.4	5.5	5.2	5.5	5.7	5.8	5.9	6.1	6	5.7	5.4	5.3	5.4	5.6	5.7	5.8	5.8	5
S/A	0.62	0.64	0.68	0.72	0.76	0.79	0.82	0.73	0.55	0.43	0.39	0.37	0.35	0.35	0.35	0.35	0.34	0.34	0.36	0.42	0.47	0.51	0.53	0.55	0.4
Min	-2.9	-4	-4.7	-5.2	-5.9	-6.4	-6.9	-6.3	-2.9	1	4	5.9	7.2	7.9	8.3	7.3	6.2	5	3.9	2.5	1.1	-0.1	-1.2	-2.1	1.5
Max	19.4	19.3	18.8	18.9	19	18.9	17.7	17.9	19	20.5	23.1	25.4	27.5	28.5	29.2	29.2	27.2	26.3	23.5	22.9	21.8	20.2	19.7	19.7	20.9
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 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	0.9	1.2	1.5	1.3	1.5	1.3	1.3	0.9	1.4	1.7	1.8	1.6	1.8	2.2	2	3.2	3.6	2.8	2.8	2.6	2.3	1.9	1.5	1.3	1.8
2	1.4	1	1.1	1.8	2.1	2.8	3.2	3.1	3.6	4.8	4	3.5	4.9	5.1	3.9	4.1	3.6	5.2	5.5	5.5	7.8	8.8	6.7	3.8	4
3	4.3	3.2	3.2	3.7	3.6	3.4	3.3	3.2	3.2	3.4	3.7	3.7	4.4	4.1	4.4	3.6	2.9	2.2	2	2.4	2.1	3.2	2.4	2.6	3.3
4	3.1	3.1	3.8	3.7	4.1	4.3	2.7	3.1	3.3	2.9	2.6	2.1	2.9	3.2	4	4	3.6	3.9	2.9	2.7	2.7	2.4	2.1	2.1	3.1
5	1.5	1.4	1.7	1.3	1.1	1.1	0.7	1	0.5	1.1	1.2	1.4	1.8	2.5	3	3.7	3.5	2.7	0.9	1.1	1.1	1.3	1.8	1.5	1.6
6	1.7	1.7	1.7	1.5	1.3	1.6	2	2.2	2.3	3.7	4	4	4	4	4.1	4.2	3.2	2.3	2.1	2.6	3	2.6	2.6	2	2.7
7	1.5	1.2	1.3	1.2	1.1	1.1	1.8	2.6	3.2	2.8	3.8	3.6	3.1	3.2	3.5	3.3	3.3	2.6	1.1	1.7	1.7	0.5	0.8	1	2.1
8	0.3	0.2	0.1	0	0	0.2	0.5	0.3	2.3	2.3	2.8	3.8	3.9	4	4.4	4.1	3.5	2.9	2.1	2	1.7	1.5	0.8	0.9	1.9
9	1	1.1	0.8	0.6	1.3	1.9	1.6	1.9	2.9	4	4.5	5.8	5.8	5.9	4.9	5.4	5	4	4.4	4.2	4.3	4.3	4.9	3.9	3.5
10	4.5	4	4.2	3.8	2.9	3.4	3.8	5.2	5.7	4.3	4.6	5.2	5.1	5.2	5.3	4.5	4.4	3.5	2.2	1.3	0.8	1.3	2.3	1.5	3.7
11	1.4	1.9	2.6	2.5	2.5	2.1	1.5	2.5	3.7	4.1	3.7	3.3	3.8	3.7	3.7	4.3	4.1	3.9	2.8	2.8	3.2	2.3	2.8	2.7	3
12	2.7	1.9	1.7	2.4	3.1	2.9	1.8	1.1	0.5	0.4	0.5	1.1	2.1	1.4	1.6	1.7	1.8	1.8	2.3	2.5	1.9	0.8	0.2	0.2	1.6
13	0.3	0.3	0.2	0.7	1.3	3.3	2.5	0.2	0.6	2.6	3.6	1.7	0.2	1	1.3	2.8	1.8	1	1	1.9	2.3	1.5	2.8	1.8	1.5
14	2.1	1.6	0.7	0.9	1.2	0.9	1	1	1.3	1.7	1	1.1	1	2.5	3.8	3.8	3.4	3.3	3.4	3.3	2.8	2.2	1.3	0.7	1.9
15	1	0.9	0.3	0.1	0.3	0.7	0.6	1.2	1.7	2.8	3.1	4.7	4.9	4.8	4.8	4.7	3.3	3.4	2.6	2.6	3	2.9	3.2	3.3	2.5
16	2.8	2.8	2.8	2.6	3	2.7	2.9	3.4	2.9	3.6	5.3	4.8	5.3	4.9	3.9	3.1	1.6	0.1	0.5	0.9	0.5	0.1	3.8	6	2.9
17	6	5.9	5.4	5.4	5.7	5.4	4.9	4.6	4.3	4.5	5.4	6.4	5.1	5	5.4	4.2	4.7	3.4	3.4	3.5	3.5	3.5	2	1.9	4.6
18	1.6	1.2	1.2	1.1	0.7	1.4	1.6	1.3	2.1	1.6	2.1	2.2	2.6	2.2	2.8	2.1	2.2	2.5	2.4	1.8	0.9	1.3	0.9	1.8	1.7
19	1.6	2.3	2	3.1	3.5	3.3	2.4	2.3	3	3.5	3.6	4.1	4.4	3.7	3.7	3.5	3.6	3.6	3.4	3.4	3.3	2.8	2.6	1.8	3.1
20	2.1	3	2.3	1.7	1.9	1.1	2.7	3.2	3.5	2.6	3.7	4.1	4	4.1	3.6	3	2.2	2.4	2.6	1.6	3	3.2	4	3.4	2.9
21	3.6	2.9	2.3	2.2	1.8	2.6	1.9	3.3	2.7	3	1.8	1.6	1.2	0.9	1.2	1.5	1.6	2.1	1.4	1.4	0.6	2.1	2.3	3.5	2.1
22	3.5	6	5.8	6.5	6	5.5	4.3	5.7	5.6	4.8	4.3	3.2	2.8	3.2	3.1	3.5	3.3	2.4	1.6	1.1	1.4	1.1	0.7	1	3.6
23	1.2	1.4	1.2	1.3	0.9	0.9	0.8	0.9	1	1.5	2.5	4.1	3.6	4.9	4.8	5	4.4	4.1	2.2	1.7	1.7	3.1	3	2.9	2.5
24	2.7	2.8	2.4	1.8	2.4	1.6	1.6	2.3	2.9	2	1.6	2.9	3.1	4	4.2	3.6	3.3	4.1	3.6	3.3	2.8	2.6	2.5	2.7	2.8
25	2.4	2.2	2.1	1.8	1.6	1.4	1.2	2.6	4	4.3	3.1	3.1	2.3	3	2.6	4.4	4.6	4.9	3.7	2.8	1.8	0.5	0.2	1.4	2.6
26	1.4	1.2	0.4	0.4	0.9	0.6	1.1	0.7	1.5	1.6	3.3	2.6	3.4	2.7	2	3.8	5.4	6.4	4.8	3.6	4.6	3.7	2.7	2.6	2.6
27	3.6	3.8	3.7	2.9	2.6	1.2	1.5	0.4	1.6	4	3	3.2	3.9	3.5	2.8	3	2.9	3.2	3.6	2.6	3.2	3.3	2.3	2.1	2.8
28	3.2	2.4	1.6	1.1	0.7	0.5	0.4	2.5	3.3	3	3	2.5	1.9	1.7	1.7	2.1	3.8	3.2	3.2	2.8	2.3	1.9	1.4	1.1	2.1
29	1	0.6	0.7	1.1	0.8	0.4	1	1.4	2.2	2.5	2.9	2.6	3.1	3.7	4.3	4.6	4.8	3.4	3.4	3.7	4	4.5	3.3	3.1	2.6
30	2.9	2.9	3.6	3.3	3.2	3.3	3.5	3.9	3.6	4.1	3.7	4	4.9	3.5	3.8	4.2	2.6	2.8	2.8	3.4	2.4	1.6	1.3	2	3.2
31	2.4	2.2	2.8	2	0.3	1.4	3.5	2.7	3.2	3.5	3.2	2.3	2.1	2.5	3	3.1	2.9	2.3	0.1	0.5	0.2	0.8	1.3	2.1	2.1
Avg	2.2	2.2	2.1	2.1	2	2.1	2	2.3	2.7	3	3.1	3.2	3.3	3.4	3.5	3.6	3.4	3.1	2.6	2.5	2.5	2.4	2.3	2.2	2.7
SD	1.3	1.4	1.4	1.5	1.5	1.4	1.2	1.4	1.3	1.1	1.2	1.4	1.4	1.3	1.2	0.9	1	1.2	1.2	1.1	1.5	1.6	1.4	1.2	0.8
S/A	0.58	0.64	0.68	0.72	0.72	0.68	0.57	0.62	0.48	0.38	0.38	0.42	0.42	0.37	0.33	0.25	0.3	0.39	0.47	0.43	0.6	0.69	0.61	0.53	0.28
Min	0.3	0.2	0.1	0	0	0.2	0.4	0.2	0.5	0.4	0.5	1.1	0.2	0.9	1.2	1.5	1.6	0.1	0.1	0.5	0.2	0.1	0.2	0.2	1.5
Max	6	6	5.8	6.5	6	5.5	4.9	5.7	5.7	4.8	5.4	6.4	5.8	5.9	5.4	5.4	5.4	6.4	5.5	5.5	7.8	8.8	6.7	6	4.6
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.

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

**March 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	85	71	74	91	116	117	116	133	168	197	237	277	262	296	299	285	307	290	291	285	285	303	283	282	282
2	279	256	252	258	261	264	266	271	272	272	265	260	276	278	281	295	303	316	313	311	321	320	343	31	296
3	26	29	23	26	32	25	29	26	21	20	18	28	36	29	25	29	41	29	36	72	64	72	87	120	35
4	133	165	208	205	193	188	179	172	184	177	179	149	110	116	103	107	105	101	115	129	131	137	135	148	
5	124	122	123	131	126	118	117	121	179	116	83	98	83	57	76	98	99	85	41	10	16	21	32	26	86
6	34	34	46	37	34	30	36	40	44	53	51	35	29	17	29	16	27	20	21	22	29	32	39	38	32
7	42	39	35	26	35	38	55	67	81	79	77	69	52	36	19	1	311	315	336	11	11	15	346	16	35
8	2	50	342	322	0	207	222	277	280	280	285	302	294	294	291	296	293	296	281	287	309	309	306	305	293
9	293	299	296	291	286	292	293	295	311	326	345	342	344	345	349	5	2	359	358	1	4	8	6	26	347
10	31	34	36	39	41	61	88	113	113	129	118	113	109	114	105	110	115	123	123	120	123	125	208	210	99
11	214	217	217	210	210	197	218	227	232	229	240	231	247	258	267	284	277	273	269	265	264	251	262	278	248
12	275	270	270	305	323	339	69	135	241	287	160	151	145	217	240	285	261	249	256	273	263	248	239	272	270
13	227	232	224	242	260	336	7	332	237	245	242	211	165	152	158	158	160	154	145	127	125	123	127	126	174
14	139	137	135	134	146	144	144	153	144	177	227	239	240	285	295	295	291	307	307	322	315	351	3	340	288
15	332	349	0	322	328	331	353	3	12	35	42	57	63	46	44	30	27	10	1	16	26	33	35	35	31
16	41	40	32	40	50	47	34	39	43	44	63	66	76	84	94	97	106	16	209	238	297	213	214	218	65
17	232	229	233	233	228	230	229	234	230	236	253	256	250	238	243	218	241	231	193	192	203	230	197	171	231
18	180	142	122	151	113	130	135	132	134	128	114	116	116	124	130	137	145	168	160	163	157	161	164	171	140
19	167	176	175	181	199	205	202	212	225	233	237	243	239	245	243	243	242	243	249	255	251	241	231	229	
20	238	262	252	246	256	267	295	316	321	338	355	6	30	21	29	38	27	87	85	126	143	134	171	185	359
21	187	199	198	198	200	208	218	234	246	258	264	272	242	196	173	140	122	97	97	77	65	63	69	73	189
22	101	185	176	174	154	154	149	166	168	158	154	146	122	113	104	97	110	89	103	94	92	98	77	78	144
23	80	78	101	104	105	107	106	95	79	69	45	55	25	45	39	50	48	43	38	27	352	18	23	32	47
24	35	34	41	35	48	41	67	85	80	55	53	36	359	28	13	8	340	352	349	347	10	10	18	28	23
25	30	25	28	28	30	23	28	52	71	66	66	46	355	12	28	240	226	232	237	235	252	283	344	171	16
26	182	200	195	190	191	202	216	202	256	293	282	308	302	335	345	333	345	345	348	349	348	357	10	6	331
27	355	12	38	29	139	160	167	177	187	178	174	179	194	197	183	207	199	185	186	187	187	188	175	163	178
28	159	151	142	137	134	107	106	158	177	191	190	205	203	191	250	273	279	282	260	269	274	305	312	322	221
29	327	313	301	302	302	327	306	302	308	314	330	337	346	343	303	283	282	307	330	337	337	338	340	349	321
30	354	8	11	12	5	8	12	17	22	20	26	23	26	34	25	20	357	9	3	1	4	5	351	14	14
31	13	23	34	56	56	96	169	190	207	208	212	215	224	213	232	238	241	250	244	238	170	137	359	358	218
Avg	55	92	81	131	166	144	125	147	184	211	331	20	13	13	5	345	317	325	320	324	332	355	5	43	346
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 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	1.3	1.5	2	1.8	2.2	2.1	2.1	2	2.7	2.9	3.1	3	3.3	3.7	3.3	4.4	5	4.1	4.2	3.7	3.5	2.7	2.3	1.8	2.9
2	2	1.4	1.4	2.4	3	3.9	4.7	4.6	5.3	6.8	6.1	5	7.2	7.5	5.8	6.1	5.4	7.5	8.2	7.7	11.1	12.6	10.7	6.4	6
3	6.7	5	5.2	6.1	5.7	5.6	5.3	5.1	5.2	5.6	6.1	6.5	7.4	6.8	6.9	5.9	4.7	3.5	3.5	3.5	3.4	4.7	3.5	4.7	5.3
4	5.7	5.3	5.8	6.1	6.5	6.8	4.5	5.2	5.2	4.9	4.6	3.9	5.3	6	6.7	6.9	6.1	6.5	4.4	5	4.9	4.9	4.4	4.1	5.4
5	3	2.6	3.3	2.8	2.4	2.2	1.8	2.2	1.8	2.7	2.7	2.8	4.1	5.2	5.8	6.2	5.5	4.2	1.6	1.9	2	2.2	3	2.6	3.1
6	2.8	2.7	2.3	2.4	2	2.6	3	3.5	3.8	5.7	5.9	6.3	6.3	6.2	6.4	6.5	5.1	3.6	3.6	4.2	4.5	4.1	4.4	3.4	4.2
7	2.3	1.9	2	1.9	1.6	1.8	2.6	3.7	4.7	4.2	5.8	5.5	5	4.9	5.6	5	4.7	3.6	1.8	2.8	2.8	1.1	1.3	1.7	3.3
8	0.8	0.5	0.4	0	0	0.4	0.7	0.7	3.4	3.4	4.2	5.4	5.6	5.9	6	5.9	5.4	4.2	3.1	3	2.5	2.1	1.2	1.4	2.8
9	1.4	1.6	1.4	1	2	2.8	2.4	2.9	4.2	6	6.8	8.7	8.7	8.9	7	8.1	7.7	6	6.6	6.2	6.5	6.5	7.6	6.3	5.3
10	7	6.6	6.9	6.1	4.7	5.2	5.7	8.8	9.4	8	8.5	9.3	9	9.2	9	8.3	7.5	6	3.9	2.3	1.5	2.4	3.8	2.6	6.3
11	2.7	3	4.2	4.3	4.2	3.2	2.5	4.2	5.7	6.2	5.6	5.2	5.9	5.6	5.6	6.4	6	5.6	4.2	4.3	4.6	3.5	4.1	4	4.6
12	4	2.7	2.4	3.4	4.6	4.4	3.1	2.4	0.9	1.1	1.3	2.3	4	2.7	2.8	2.8	2.9	2.8	3.5	3.8	3.1	1.6	0.8	0.7	2.7
13	0.6	0.8	0.7	1.4	2.3	5.2	4	0.6	1.3	4.1	5.5	3.5	1	2.7	2.7	6	3.8	2.7	2.6	4.1	5	3.5	5.6	4.3	3.1
14	4.5	4.2	2.3	2.8	3.4	2.7	2.9	2.9	3.3	3.2	2.2	2.4	2.3	3.9	5.2	5.3	4.8	4.5	4.8	4.7	4	3.2	2.1	1.4	3.5
15	1.6	1.5	0.8	0.3	0.8	1.5	1.5	2.1	3.3	4.5	5.1	7.4	7.6	7.2	7.1	7.1	5.5	5.5	4.1	4.1	4.9	4.8	5.1	5.2	4.1
16	4.7	4.4	4.4	4	4.6	4.4	4.5	5.2	4.7	5.7	7.8	7.2	8.2	7.4	6.4	4.9	2.7	0.2	1.1	1.5	1	0.4	5.7	9.1	4.6
17	9.4	9.2	8.4	8.3	8.6	8.6	7.6	7	6.7	6.7	8.4	9.6	7.6	7.7	8.3	7.5	7.2	5.5	5.3	5.8	5.7	5.6	3.7	3.6	7.2
18	3.1	3.2	2.8	3.1	1.8	3.4	3.9	3.5	4.5	3.8	4.3	4.7	5.3	4.7	5.7	4.7	4.8	4.9	4.7	4.4	2.6	3.2	2.2	3.6	3.9
19	3.5	4.1	3.9	5.4	5.9	5.4	4.3	4.4	5.3	5.7	5.5	6.3	6.2	5.7	5.6	5.4	5.4	5.4	5.2	5.3	5.2	4.4	4.1	3.1	5
20	3.2	4.4	3.6	2.8	3.1	2.1	4	5.1	5.4	4.4	5.4	6.7	6.5	6.9	5.9	4.5	3.4	3.9	4.1	3.5	5.6	6.5	6.8	5.7	4.7
21	5.7	5	4.3	3.7	3.8	4.4	3.8	5.5	4.3	4.9	3.4	3	2.4	2.1	2.7	3.2	3.2	3.6	2.6	2.3	1.4	3.3	3.4	5.2	3.6
22	6	9.3	9.3	10.9	10.4	9.8	7.9	8.8	9	7.6	7.2	6.3	5.7	5.9	5.8	5.9	6	4.4	3.2	2.4	2.8	2.2	1.3	1.6	6.2
23	1.9	2.1	2.3	2.2	1.6	1.7	1.7	1.6	2	3	4.4	6.4	5.3	7.5	7.5	7.8	6.9	6.3	3.3	2.6	2.5	4.8	4.8	4.5	3.9
24	4.3	4.2	3.6	2.5	3.3	2.4	2.2	3.6	4.6	3.3	2.9	4.9	5.1	6.4	6.9	5.7	5.1	6.1	5.8	5	4.4	4.1	3.9	4.2	4.4
25	3.7	3.5	3.2	2.9	2.5	2.1	2	3.8	6.3	5.9	4.9	4.8	4	4.8	4.3	6.4	6.7	6.9	5.5	4.2	2.9	1.1	0.5	2.3	4
26	2.3	2	0.9	1	1.7	1.4	1.8	1.5	2.4	2.7	5.2	4	5	4.3	3	5.7	8.2	9.8	7.2	5.7	7.2	6	4.4	4.2	4.1
27	5.2	5.6	5.8	4.8	4.6	2.6	2.9	1.2	3.1	6.7	5.4	5.5	6.4	5.6	4.9	4.9	4.7	5.3	6	4.6	5.2	5.6	4	4	4.8
28	5.6	4.5	3.6	2.9	1.9	1.4	1.4	4.6	5.4	4.9	5.1	4.2	3.9	3.5	3.2	3.6	5.4	4.9	4.8	4.3	3.6	2.8	2.2	1.9	3.7
29	1.9	1.2	1.1	1.5	1.2	0.8	1.6	2.4	3.2	3.8	4.5	4.4	5	5.6	6.1	6.6	6.9	5	5.4	5.5	5.8	6.5	5	5.1	4
30	4.5	4.8	5.7	5.2	5.2	5.5	5.5	6.1	5.6	6.9	6.1	6.6	8	5.4	5.9	6.9	4.1	4.6	4.5	5.2	3.8	2.9	2.7	3.5	5.2
31	4.1	3.9	4.6	3.1	1	3.1	5.6	4.5	5.1	5.6	5.2	3.8	3.5	4.2	4.8	4.7	4.4	3.9	0.5	1.4	1	2	2.8	3.6	3.6
Avg	3.7	3.6	3.5	3.5	3.4	3.5	3.5	3.8	4.4	4.9	5.1	5.3	5.5	5.6	5.6	5.8	5.3	4.9	4.2	4	4	3.9	3.8	3.7	4.4
SD	2	2.2	2.2	2.3	2.3	2.2	1.8	2.1	1.9	1.6	1.7	1.9	1.9	1.7	1.6	1.3	1.4	1.7	1.7	1.5	2.1	2.3	2.1	1.8	1.1
S/A	0.55	0.59	0.63	0.67	0.67	0.62	0.52	0.54	0.44	0.34	0.33	0.36	0.35	0.31	0.29	0.23	0.26	0.35	0.41	0.36	0.52	0.6	0.56	0.48	0.26
Min	0.6	0.5	0.4	0	0	0.4	0.7	0.6	0.9	1.1	1.3	2.3	1	2.1	2.7	2.8	2.7	0.2	0.5	1.4	1	0.4	0.5	0.7	2.7
Max	9.4	9.3	9.3	10.9	10.4	9.8	7.9	8.8	9.4	8	8.5	9.6	9	9.2	9	8.3	8.2	9.8	8.2	7.7	11.1	12.6	10.7	9.1	7.2
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: 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 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	1024	1025	1025	1025	1026	1027	1028	1029	1031	1032	1032	1032	1031	1030	1030	1030	1030	1031	1031	1032	1032	1033	1033	1033	1030
2	1032	1032	1031	1031	1031	1030	1030	1030	1030	1029	1028	1028	1026	1024	1022	1021	1020	1019	1017	1016	1013	1011	1011	1010	1024
3	1009	1009	1009	1008	1008	1008	1008	1008	1007	1007	1007	1007	1006	1005	1005	1005	1005	1005	1005	1005	1005	1006	1006	1007	1007
4	1008	1009	1009	1010	1011	1012	1013	1014	1015	1015	1015	1015	1015	1015	1015	1016	1016	1017	1019	1020	1021	1022	1023	1023	1015
5	1024	1025	1025	1026	1027	1028	1029	1030	1030	1031	1031	1030	1029	1028	1028	1028	1028	1028	1028	1029	1029	1029	1029	1029	1028
6	1029	1029	1029	1029	1029	1030	1030	1030	1031	1031	1031	1030	1029	1028	1027	1027	1026	1026	1026	1026	1026	1026	1026	1026	1028
7	1026	1026	1025	1025	1025	1026	1026	1026	1027	1027	1027	1026	1025	1024	1024	1024	1024	1024	1024	1025	1026	1026	1026	1026	1025
8	1026	1026	1026	1026	1026	1027	1027	1028	1028	1029	1029	1029	1028	1027	1027	1027	1027	1027	1027	1027	1028	1028	1028	1028	1027
9	1028	1027	1026	1027	1027	1027	1027	1027	1027	1027	1027	1026	1025	1024	1023	1023	1022	1022	1021	1021	1021	1020	1018	1018	1024
10	1018	1018	1017	1016	1015	1015	1016	1017	1019	1019	1019	1019	1018	1018	1017	1017	1017	1018	1019	1020	1021	1022	1023	1024	1018
11	1024	1024	1024	1025	1025	1026	1028	1029	1030	1030	1030	1030	1029	1028	1028	1027	1027	1027	1027	1027	1026	1026	1026	1025	1027
12	1023	1023	1022	1021	1020	1020	1021	1021	1021	1021	1021	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1016	1016	1015	1019
13	1014	1013	1013	1011	1010	1010	1010	1009	1008	1007	1005	1004	1005	1004	1003	1003	1003	1004	1004	1005	1006	1007	1008	1008	1007
14	1009	1009	1010	1010	1011	1012	1014	1015	1016	1016	1017	1017	1017	1017	1016	1016	1016	1017	1017	1017	1018	1018	1018	1018	1015
15	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017	1017	1015	1015	1014	1014	1014	1014	1015	1015	1015	1015	1015	1016
16	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1012	1012	1012	1013	1013	1014	1015	1016	1016	1017	1019	1014
17	1019	1020	1020	1021	1022	1022	1023	1023	1024	1024	1023	1023	1022	1022	1021	1022	1021	1021	1021	1021	1021	1020	1020	1019	1022
18	1018	1018	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1018	1018	1019	1019	1020	1021	1021	1021	1021	1021	1018
19	1021	1021	1021	1021	1022	1023	1024	1024	1024	1024	1025	1025	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1023
20	1023	1021	1020	1019	1019	1018	1017	1017	1016	1015	1015	1014	1013	1012	1011	1010	1009	1009	1009	1010	1011	1012	1013	1013	1014
21	1013	1014	1014	1013	1014	1014	1014	1015	1015	1014	1015	1014	1013	1012	1011	1010	1009	1008	1008	1008	1008	1007	1007	1007	1012
22	1007	1010	1012	1014	1016	1017	1018	1019	1020	1020	1020	1020	1019	1018	1018	1018	1018	1018	1019	1020	1021	1022	1022	1022	1018
23	1022	1022	1022	1022	1023	1023	1023	1024	1024	1024	1024	1023	1022	1020	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1021
24	1019	1019	1019	1019	1019	1020	1021	1021	1021	1021	1021	1020	1019	1018	1017	1017	1016	1016	1016	1016	1017	1017	1017	1017	1019
25	1017	1017	1017	1017	1018	1018	1019	1019	1020	1020	1020	1020	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019
26	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1016	1014	1014	1013	1013	1013	1012	1013	1012	1017
27	1011	1010	1010	1010	1010	1011	1011	1012	1012	1013	1013	1014	1013	1013	1013	1013	1013	1014	1014	1015	1016	1016	1017	1017	1013
28	1018	1018	1017	1017	1018	1019	1019	1020	1021	1021	1021	1020	1020	1019	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019
29	1019	1019	1018	1018	1019	1019	1020	1020	1020	1021	1020	1020	1019	1018	1017	1016	1015	1015	1015	1015	1015	1014	1014	1014	1018
30	1014	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015	1014	1013	1013	1012	1013	1013	1013	1014	1014	1015	1015	1015	1015	1014
31	1014	1014	1013	1014	1014	1014	1015	1016	1016	1016	1016	1016	1015	1014	1013	1012	1011	1010	1010	1009	1009	1008	1008	1008	1013
Avg	1019	1019	1019	1019	1019	1019	1020	1020	1021	1021	1020	1020	1019	1019	1018	1018	1017	1017	1018	1018	1018	1018	1018	1018	1019
S D	6	6	6	6	6	6	6	6	6	7	7	7	7	6	6	6	7	7	7	7	7	7	7	7	6
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	1007	1009	1009	1008	1008	1008	1008	1008	1007	1007	1005	1004	1005	1004	1003	1003	1003	1004	1004	1005	1005	1006	1006	1007	1007
Max	1032	1032	1031	1031	1031	1030	1030	1030	1031	1032	1032	1032	1031	1030	1030	1030	1030	1030	1031	1031	1032	1032	1033	1033	1030
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