

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

May 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	18	32	89	61	207	520	858	814	583	634	335	337	174	25	0	0	0	0	0	4686
2	0	0	0	0	0	6	71	106	277	608	812	736	894	797	616	272	22	29	1	0	0	0	0	0	5247
3	0	0	0	0	0	14	139	160	225	324	347	564	358	305	271	195	181	65	11	0	0	0	0	0	3159
4	0	0	0	0	0	11	28	46	72	96	128	84	166	196	121	74	83	15	4	0	0	0	0	0	1125
5	0	0	0	0	0	5	38	74	83	181	193	193	262	362	616	369	198	124	23	0	0	0	0	0	2723
6	0	0	0	0	0	36	189	404	613	780	915	977	971	867	783	431	180	78	22	0	0	0	0	0	7247
7	0	0	0	0	0	22	183	295	517	704	894	897	899	846	729	576	310	162	18	0	0	0	0	0	7052
8	0	0	0	0	0	50	164	351	539	615	?	366 ?	381 ?	827	684	537	336	141	27	0	0	0	0	0	5019 ?
9	0	0	0	0	0	12	50	184	407	611 ?	?	?	?	?	546	519 ?	267 ?	121	50	0	0	0	0	0	2767 ?
10	0	0	0	0	0	33	125 ?	?	?	?	?	?	?	464 ?	418 ?	?	?	146 ?	38	0	0	0	0	0	1223 ?
11	0	0	0	0	0	20	162 ?	224	312 ?	440	597 ?	555	436 ?	?	533	325	177	77	23	0	0	0	0	0	3881 ?
12	0	0	0	0	0	10	120	184 ?	?	?	536 ?	530 ?	?	?	?	?	?	133 ?	17	0	0	0	0	0	1530 ?
13	0	0	0	0	0	50	134 ?	?	?	?	?	?	563 ?	537 ?	534 ?	407 ?	303	81 ?	38	0	0	0	0	0	2648 ?
14	0	0	0	0	0	43	?	?	?	?	?	?	451 ?	630	520	574	421	217	46	0	0	0	0	0	2901 ?
15	0	0	0	0	0	52	232	439	642	814	914	987	994	943	811	635	440	223	48	0	0	0	0	0	8174
16	0	0	0	0	1	52	239	377	585	721	790	904	915	877	762	620	419	209	37	0	0	0	0	0	7505
17	0	0	0	0	1	26	149	402	600	744	859	944	945	871	711	574	391	206	44	0	0	0	0	0	7468
18	0	0	0	0	1	40	137	301	308	268	250	79	118	159	138	82	56	29	5	6	0	0	0	0	1977
19	0	0	0	0	1	45	211	330	332	357	478	420	343	482	547	410	236	128	43	5	0	0	0	0	4368
20	0	0	0	0	0	53	234	432	595	762	711	434	653	758	630	570	276	180	37	1	0	0	0	0	6326
21	0	0	0	0	3	58	254	451	625	728	858	358	341	438	329	475	199	78	18	1	0	0	0	0	5213
22	0	0	0	0	1	46	177	334	660	822	911	896	1013	959	846	674	470	256	63	1	0	0	0	0	8128
23	0	0	0	0	2	63	243	452	651	818	941	1001	1003	942	821	648	446	239	59	1	0	0	0	0	8331
24	0	0	0	0	3	64	243	445	640	804	925	986	986	928	795	629	436	224	56	0	0	0	0	0	8165
25	0	0	0	0	2	55	218	408	603	770	888	956	962	901	778	538	408	226	57	5	0	0	0	0	7774
26	0	0	0	0	3	48	256 ?	396	551	683	831	844	870	750	634	585	380	152	49	3	0	0	0	0	7036
27	0	0	0	0	2	53	235	458	563	765	861	822	995	936	813	646	451	244	61	2	0	0	0	0	7906
28	0	0	0	0	4	62	246	420	625	805	875	877	807	860	792	611	408	193	50	8	0	0	0	0	7644
29	0	0	0	0	4	43	209	405	596	785	579	851	1024	936	777	618	417	232	65	4	0	0	0	0	7544
30	0	0	0	0	5	63	248	420	520	644	787	973	849	929	793	661	453	234	64	5	0	0	0	0	7648
31	0	0	0	0	7	48 ?	243 ?	420	572	627	647	806	981	799	824	452	401	244	64	4	0	0	0	0	7139
Avg	0	0	0	0	1	39	174	322	473	611	694	700	714	710	627	484	314	157	38	2	0	0	0	0	5470 ?
S D	0	0	0	0	2	19	73	132	192	224	246	294	302	247	202	169	130	72	20	2	0	0	0	0	2440
S/A	0	0	0	0	1.33	0.49	0.42	0.41	0.41	0.37	0.35	0.42	0.42	0.35	0.32	0.35	0.42	0.46	0.52	1.56	0	0	0	0	0.45
Min	0	0	0	0	0	5	28	46	61	96	128	79	118	159	121	74	22	15	1	0	0	0	0	0	1125
Max	0	0	0	0	7	64	256	458	660	822	941	1001	1024	959	846	674	470	256	65	8	0	0	0	0	8331
n	0	0	0	0	25	355	331	328	319	318	296	306	305	319	341	333	341	359	356	22	0	0	0	0	4659

Daylight Data Recovery: 0.0% missing; 10.8% exceed the 15% QC threshold -- 5226 total daylight measurements.

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

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

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

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

May 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	17	0	1	0	4	109	486	518	274	360	160	414	385	70	0	0	0	0	0	2798
2	0	0	0	0	0	0	1	1	23	330	609	418	662	521	315	62	0	0	0	0	0	0	0	0	2941
3	0	0	0	0	0	0	91	3	7	19	2	77	4	3	3	2	2	0	0	0	0	0	0	0	213
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	1	1	1	1	20	354	151	12	138	1	0	0	0	0	0	681
6	0	0	0	0	0	47	357	668	774	782	840	840	831	730	786	180	4	4	0	0	0	0	0	0	6841
7	0	0	0	0	0	4	171	205	459	582	736	636	714	720	695	614	186	119	2	0	0	0	0	0	5843
8	0	0	0	0	0	78	189	372	418	284	?	3 ?	2 ?	5	5	5	4	2	0	0	0	0	0	0	1368 ?
9	0	0	0	0	0	0	0	2	5	7 ?	?	?	?	142 ?	91	142 ?	137 ?	71	23	0	0	0	0	0	620 ?
10	0	0	0	0	0	15	66 ?	71 ?	?	?	?	?	?	75 ?	63 ?	?	?	141 ?	28	0	0	0	0	0	459 ?
11	0	0	0	0	0	1	31	9	10 ?	12	26 ?	22	20 ?	?	36	24	2	0	0	0	0	0	0	0	193 ?
12	0	0	0	0	0	0	13	20 ?	?	?	47 ?	28 ?	?	?	?	?	?	97 ?	7	0	0	0	0	0	212 ?
13	0	0	0	0	0	17	36 ?	?	?	?	?	?	45 ?	45 ?	58 ?	81 ?	59	32	5	0	0	0	0	0	378 ?
14	0	0	0	0	0	61	?	?	?	?	?	?	22 ?	327	300	613	569	461	175	0	0	0	0	0	2526 ?
15	0	0	0	0	0	301	643	764	835	875	870	866	860	897	865	823	766	602	258	0	0	0	0	0	10225
16	0	0	0	0	0	268	577	491	482	504	441	534	565	704	726	751	566	311	36	0	0	0	0	0	6957
17	0	0	0	0	0	32	174	573	679	626	646	756	766	663	574	574	515	388	114	0	0	0	0	0	7080
18	0	0	0	0	0	37	43	130	67	5	3	0	0	1	1	0	0	0	0	0	0	0	0	0	289
19	0	0	0	0	0	4	159	122	49	20	43	12	9	39	152	132	24	12	20	0	0	0	0	0	798
20	0	0	0	0	0	207	574	685	698	600	421	128	326	477	465	566	239	334	141	0	0	0	0	0	5862
21	0	0	0	0	0	235	532	667	719	447	518	21	11	14	36	277	7	0	0	0	0	0	0	0	3483
22	0	0	0	0	0	96	207	169	789	815	796	680	907	927	924	894	833	715	378	0	0	0	0	0	9130
23	0	0	0	0	3	336	645	773	831	864	888	895	903	902	890	839	762	630	312	0	0	0	0	0	10473
24	0	0	0	0	6	333	637	742	797	835	866	876	879	865	808	779	708	524	249	0	0	0	0	0	9903
25	0	0	0	0	1	185	468	589	672	726	757	782	788	767	718	467	438	359	125	0	0	0	0	0	7840
26	0	0	0	0	1	71	502 ?	612	483	432	489	477	501	389	385	505	379	90	31	0	0	0	0	0	5349
27	0	0	0	0	0	106	586	727	527	701	665	530	859	875	855	817	740	593	255	0	0	0	0	0	8837
28	0	0	0	0	3	221	536	667	729	675	641	577	521	673	734	601	470	308	117	0	0	0	0	0	7471
29	0	0	0	0	2	100	424	581	620	658	255	492	785	767	621	612	504	514	262	0	0	0	0	0	7195
30	0	0	0	0	2	139	481	640	467	475	548	765	630	806	787	802	738	528	305	0	0	0	0	0	8112
31	0	0	0	0	10	188 ?	623 ?	601	504	512	420	566	879	657	797	384	601	600	293	0	0	0	0	0	7634
Avg	0	0	0	0	1	100	292	375	431	437	448	425	465	458	447	409	334	257	104	0	0	0	0	0	4571 ?
S D	0	0	0	0	2	110	251	306	320	319	324	335	370	352	337	315	304	243	123	0	0	0	0	0	3653
S/A	0	0	0	0	2.38	1.1	0.86	0.82	0.74	0.73	0.72	0.79	0.8	0.77	0.75	0.77	0.91	0.95	1.19	3.88	0	0	0	0	0.8
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
Max	0	0	0	0	10	336	645	773	835	875	888	895	907	927	924	894	833	715	378	0	0	0	0	0	10473
n	0	0	0	0	25	355	337	330	319	318	298	307	305	322	342	336	341	361	356	22	0	0	0	0	4679

Daylight Data Recovery: 0.0% missing; 10.5% exceed the 15% QC threshold -- 5226 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 μV/W/m² Calibration Date: 05/1998

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

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

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

May 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	16	28	75	53	184	390	376	301	323	332	225	148	76	17	0	0	0	0	0	2545
2	0	0	0	0	0	5	62	92	248	325	248	313	244	304	341	214	19	25	1	0	0	0	0	0	2441
3	0	0	0	0	0	12	110	138	202	286	295	478	304	266	236	170	153	56	10	0	0	0	0	0	2717
4	0	0	0	0	0	10	24	39	63	84	110	72	142	169	105	64	70	13	4	0	0	0	0	0	970
5	0	0	0	0	0	4	32	64	73	157	166	166	225	317	319	256	173	83	22	0	0	0	0	0	2057
6	0	0	0	0	0	26	72	94	96	129	126	139	153	186	142	297	158	69	19	0	0	0	0	0	1706
7	0	0	0	0	0	20	136	191	194	213	197	256	197	185	166	170	209	122	16	0	0	0	0	0	2272
8	0	0	0	0	0	45	111	168	256	330	?	274 ?	279 ?	753 ?	495 ?	492	306	123	27	0	0	0	0	0	3660 ?
9	0	0	0	0	0	11	42	162	363	549 ?	?	?	?	334 ?	376	334 ?	135 ?	77	45	0	0	0	0	0	2428 ?
10	0	0	0	0	0	26	80 ?	147 ?	?	?	?	?	?	296 ?	306 ?	?	?	74 ?	29	0	0	0	0	0	957 ?
11	0	0	0	0	0	19	135	197	260 ?	378	530 ?	461	364 ?	?	427	262	159	65	20	0	0	0	0	0	3277 ?
12	0	0	0	0	0	9	96	148 ?	?	?	392 ?	410 ?	?	?	?	?	?	72 ?	14	0	0	0	0	0	1141 ?
13	0	0	0	0	0	42	100 ?	?	?	?	?	?	406 ?	394 ?	362 ?	263 ?	222	84	35	0	0	0	0	0	1909 ?
14	0	0	0	0	0	18	?	?	?	?	?	?	359 ?	304	272	164	142	86	26	0	0	0	0	0	1371 ?
15	0	0	0	0	0	21	52	69	80	90	98	123	138	118	108	89	70	52	20	0	0	0	0	0	1129
16	0	0	0	0	1	24	78	130	238	265	339	327	317	208	161	117	129	117	31	0	0	0	0	0	2483
17	0	0	0	0	1	20	97	113	129	196	218	173	173	238	229	182	135	93	31	0	0	0	0	0	2028
18	0	0	0	0	1	33	123	222	253	241	238	69	102	138	119	71	49	25	6	?	0	0	0	0	1689
19	0	0	0	0	1	41	159	261	297	325	421	391	314	431	409	310	224	114	41	5	0	0	0	0	3745
20	0	0	0	0	0	29	67	89	125	252	298	292	313	297	245	185	152	85	24	1	0	0	0	0	2454
21	0	0	0	0	3	29	103	121	136	331	356	304	298	399	284	282	181	68	15	0	0	0	0	0	2910
22	0	0	0	0	1	29	110	236	113	134	149	202	101	80	71	65	55	41	19	1	0	0	0	0	1409
23	0	0	0	0	2	26	55	67	79	91	96	100	98	89	84	78	65	49	23	2	0	0	0	0	1005
24	0	0	0	0	3	26	55	74	90	102	104	106	104	107	117	98	81	62	26	0	0	0	0	0	1155
25	0	0	0	0	2	32	78	110	135	155	164	163	164	167	173	201	178	110	41	4	0	0	0	0	1876
26	0	0	0	0	3	34	94 ?	124	203	295	333	325	335	353	292	228	181	120	44	3	0	0	0	0	2965
27	0	0	0	0	2	30	66	86	188	168	209	265	120	96	86	80	72	56	27	2	0	0	0	0	1554
28	0	0	0	0	4	34	69	83	117	227	254	281	264	206	166	186	166	88	37	7	0	0	0	0	2188
29	0	0	0	0	4	30	77	103	151	219	319	332	226	203	240	188	155	69	32	4	0	0	0	0	2350
30	0	0	0	0	4	47	101	93	183	224	245	193	205	152	123	101	73	61	27	5	0	0	0	0	1840
31	0	0	0	0	6	32 ?	62 ?	114	219	183	234	216	88	155	139	181	96	52	28	4	0	0	0	0	1808
Avg	0	0	0	0	1	25	83	125	168	227	251	252	226	251	231	191	136	74	24	1	0	0	0	0	2066 ?
S D	0	0	0	0	2	11	33	55	80	105	112	116	96	139	116	98	64	29	11	2	0	0	0	0	763
S/A	0	0	0	0	1.3	0.45	0.4	0.44	0.48	0.46	0.45	0.46	0.42	0.55	0.5	0.51	0.47	0.39	0.46	1.58	0	0	0	0	0.37
Min	0	0	0	0	0	4	24	39	53	84	96	69	88	80	71	64	19	13	1	0	0	0	0	0	957
Max	0	0	0	0	6	47	159	261	363	549	530	478	406	753	495	492	306	123	45	7	0	0	0	0	3745
n	0	0	0	0	25	354	339	332	319	317	298	307	305	314	333	335	341	361	356	21	0	0	0	0	4662

Daylight Data Recovery: 0.0% missing; 10.8% exceed the 15% QC threshold -- 5226 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 μV/W/m² Calibration Date: 05/1998

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

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

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

May 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	15.5	15.5	15.1	14.9	14.9	15	15.6	15.6	16.1	16.9	18.5	20.8	22.6	22.5	22	21.2	20.9	20.4	19	17.5	16.7	16.4	16.7	17.3	17.8
2	17.3	17.8	17.8	17.9	18.3	18.9	19.8	20.9	22.6	24.6	26.6	28	28.9	29.5	29.7	29.4	28.2	27.2	24.3	23.1	18.6	17.7	18.1	17.9	22.6
3	18.7	18.6	18.5	18.5	18.5	18.6	19	19.9	19.7	18.8	18.7	18.8	18.5	18.4	17.6	17.3	17.1	16.2	15.8	15.5	15.1	15.1	15.2	15	17.6
4	14.4	13.9	13.9	14.1	14.2	14.1	14.1	14	14.3	14.5	14.1	13.4	12.6	13.1	13	12.7	12.2	12.4	12.5	12.9	13.4	13.7	13.8	13.9	13.6
5	13.9	14	13.5	12.6	11.8	11.9	12.6	13.4	13.3	13.4	13.8	13.7	14.6	15.8	17.5	17.5	16.8	16.3	15.3	14.2	13.3	12.9	12.4	11.5	14
6	10.9	11.1	10.5	9.7	9.2	8.7	10.6	14.4	16.8	17.8	19.4	20.5	21	21.1	22.7	22.1	20.4	19.3	18.3	17.7	18	18.6	18.8	19.4	16.5
7	19.7	19.6	19.4	19.2	19	18.8	19.6	20.5	21.9	23.4	24.6	25.4	26.3	27.2	27.9	28.2	27.8	27.3	26.2	25.2	24.5	23.9	23.3	22.3	23.4
8	21.6	21.2	21	20.8	20.4	20.2	20.6	21.8	23.4	24.3	25	25.2	25.2	25.3	25.4	25.3	24.6	22.9	19.9	18.1	17	16.5	16.3	16.4	21.6
9	16.7	16.7	16.5	16.6	16.9	17.3	18.1	19.3	21.5	23.9	25.8	27.8	29.3	30.5	30.9	31	31.1	30.2	28.6	27.1	25.9	24.8	23.6	23.3	23.9
10	22.9	22.2	21.7	21.1	20.5	20.6	21.6	22.8	24.7	26.8	28.2	29.3	29.9	29.1	27.2	26.5	25.9	24.9	23.2	21.6	20.9	20.4	19.7	19	23.8
11	18.7	18.6	18.7	18.8	19.4	19.3	18.9	18.8	18.3	18.3	18.9	19	19	19.4	19.8	18.9	18.2	17.3	16.7	16.3	16.3	16.1	16	16.2	18.2
12	16.3	16	15.6	15.7	16.5	17.2	17.7	20.2	23	24.7	25.5	26.1	27.4	28.4	29	29.2	29.3	29	27.7	26.4	25.2	25	24.4	23.6	23.3
13	23.1	22.3	21.6	21.3	21.3	21.4	22.3	23.3	24.5	25.8	27.1	28	28.6	28.8	29.2	29.5	29	27.9	26.2	25.5	24.9	20.2	19.6	19.9	24.6
14	18.7	17.3	15.7	14.5	13.4	12.9	13.4	15	16.5	16.9	17.2	17.8	17.9	18.5	18.8	19.4	19.5	19.2	18.2	16.9	15.9	15	13.9	13.2	16.5
15	12.7	12.2	11.6	11.4	10.2	10.1	11.6	14.1	16.7	18.1	19.2	20	20.5	21	21.6	22.1	22.2	22.1	21	19.3	17.3	16.1	15.6	14.9	16.7
16	15.1	15	14.8	14.4	14.2	14.4	15.9	17.5	19.5	21.3	22.7	23.6	24.1	24.9	25.2	25.7	25.7	25.3	23.5	22	21.4	20.9	20	19.3	20.3
17	19	18.7	19	19.3	19.4	19.4	19.8	21	22.1	23.2	24.5	25.6	26.5	27.3	27.8	27.9	27.9	27.5	26.5	24.4	23.2	22.3	21.9	21.7	23.2
18	21.7	21.8	21.8	22.4	22.8	23.2	24.2	25.1	25.9	25.6	25.3	15.6	13.4	13.7	14.1	14.5	14.8	15	14.9	14.2	13.5	12.9	12.5	12.3	18.4
19	11.6	11.5	11.3	11.3	11.1	10.6	11.2	12.2	13.4	14	14.3	14	13.7	13.9	14.3	14.2	13.8	13.2	12.8	12.1	11.4	10.8	10.4	10.2	12.4
20	10.1	9.7	9.4	9.3	9.1	9.1	11.1	12.8	14.3	15.4	16	16	16	16.5	16.8	16.7	16.4	15.9	14.7	13.6	12.9	12.5	11.8	10.4	13.2
21	8.9	7.5	6.9	6.8	6.8	7.7	10.7	13.4	14.8	15.5	16.3	16.1	15.3	14.8	14.7	15.2	14.8	13.8	13	12.5	12.1	11	10.8	10.3	12.1
22	10.3	9.9	9.7	9.7	10	10	10.8	12.9	15	15.6	15.9	16.1	16.6	16.7	16.7	16.7	16.4	15.8	14.6	13.1	12.4	11.2	9.7	9.2	13.1
23	8.9	8.3	7.8	8	8.1	9.1	12	14.5	16.7	18	18.8	19.3	19.9	20.3	20.4	20.3	19.9	18.9	17.3	15.6	14.6	13.5	13.2	12.5	14.8
24	12	11.7	11.7	11.5	11.2	11.6	13.9	17.1	20.1	23	25	26.5	28	28.9	29.1	29.4	29.4	29.2	27.8	25.4	23.6	22.6	20.6	19.8	21.2
25	19.2	18.2	17.6	17.2	16.7	16.6	17.8	20.7	23.4	24.8	25.3	23.8	23.7	23.6	23.3	22.3	21.7	21	19.8	18.7	18.2	18	17.8	17.6	20.3
26	17.3	17.1	17	16.3	16.3	16.8	18.4	21.3	23.6	24.9	25.9	26.6	27.3	28	28.4	28.7	28.7	27.3	25.5	24	22.9	22.1	21.2	20.5	22.8
27	20	19.7	19.1	18.6	17.8	18.1	19.6	22.1	23.4	24.4	25	25.7	25.8	26	26.2	25.7	24.7	24	23.1	22	21.1	20.5	20	19.7	22.2
28	19.1	18.6	18.6	18.5	17.9	17.7	20.4	23.2	24.2	24.7	25.4	25.4	25.8	26.3	25.9	25.5	25.2	24.7	23.7	22.7	21.9	21.3	20.9	20.6	22.4
29	20.2	20	20	20.1	20.1	20.3	21.3	23.1	24.4	25.3	25.1	25.5	25.9	26.3	26.2	25.8	25.3	24.7	23.7	22.5	21.7	21.2	20.8	20.7	22.9
30	20.7	20.7	20.5	20.4	20.3	20.7	22.1	23.8	24.8	25.6	26.3	26.7	27.3	27.2	26.7	26.4	26	25.2	24.1	22.8	22.1	21.8	21.3	20.4	23.5
31	19.8	19.5	19.2	18.8	18.6	19.1	21.4	23.1	24.3	25.3	26.3	27.9	29.2	29.6	30.4	29.8	29.4	29.1	28.1	26.2	25.2	24.8	24.3	23.9	24.7
Avg	16.6	16.3	16	15.8	15.7	15.8	17	18.6	20.1	21.1	21.9	22.2	22.6	23	23.2	23.1	22.7	22	20.8	19.6	18.8	18.1	17.6	17.2	19.4
S D	4.2	4.3	4.3	4.4	4.4	4.5	4.2	4	4.1	4.3	4.6	5	5.5	5.6	5.5	5.5	5.5	5.5	5.1	4.8	4.6	4.4	4.3	4.4	4.1
S/A	0.25	0.26	0.27	0.28	0.28	0.28	0.25	0.22	0.2	0.21	0.21	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.24	0.25	0.25	0.25	0.21
Min	8.9	7.5	6.9	6.8	6.8	7.7	10.6	12.2	13.3	13.4	13.8	13.4	12.6	13.1	13	12.7	12.2	12.4	12.5	12.1	11.4	10.8	9.7	9.2	12.1
Max	23.1	22.3	21.8	22.4	22.8	23.2	24.2	25.1	25.9	26.8	28.2	29.3	29.9	30.5	30.9	31	31.1	30.2	28.6	27.1	25.9	25	24.4	23.9	24.7
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

May 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	84.1	84	83.3	84.1	86.9	88.8	91.5	98.3 ?	?	98.3 ?	92.4	78	70.1	70.7	78.4	80.9	79.8	81.5	87.4	94	97.5	99.6 ?	?	?	86.2 ?
2	?	?	99.8 ?	?	?	?	?	?	98.9 ?	94.3	85	74.5	69.2	68.8	70.4	72.6	73.8	76.1	80.7	86.3	94.4 ?	?	?	?	81.8 ?
3	99.7 ?	?	?	?	?	?	?	98.4 ?	90.6	81.8	73.4	68.6	66.4	68.6	69.7	70	70.1	73.1	72.6	74.4	78.8	78.5	75.7	77.1	77.1 ?
4	86.1	85.3	80.8	78.8	62.8	55.1	60.2	64.9	69	69.9	74.1	81.5	93.6	92.3	97.1	99.6 ?	?	99.8 ?	?	?	?	?	?	?	79.5 ?
5	?	?	?	?	?	?	?	?	?	99.3	97.5	98.4	95	89.3	82.2	79.6	81.2	79.8	86.9	96.1	99.5 ?	?	?	?	90.4 ?
6	?	?	?	?	?	?	?	92.4 ?	81.7	78	68.6	60.3	59.2	60.1	61.5	65.1	72.2	77.7	85.3	92.4	97.1	97.9	99.5	99.5	79.3 ?
7	98.4	98.8	99.6	100 ?	?	?	97.9 ?	93.4	86.5	78.5	74.2	72.7	70.2	68.3	67.1	66.6	67.1	70.7	75.2	77.9	81.5	85	90.5	95.4	82.5 ?
8	98.8	99.9 ?	?	?	?	?	99.6 ?	96.5	88.1	82.7	78.1	76.7	75.9	73.7	75.7	77.1	78.7	83.9	92.6	98	99.8 ?	?	?	?	86.8 ?
9	?	?	?	?	?	?	?	99.5 ?	96.7	89	82.6	77.2	71.6	66.2	63.4	62.9	61.9	64.7	76.3	83.3	82	71.9	78.3	86.1	77.3 ?
10	91	95	95	97	98.7	98.2	95.6	94.7	86.8	68.9	61.4	55.5	53.8	59.8	64.8	63.8	63.3	64.5	74.1	84.5	86.3	90.9	95.3	98.3	80.7
11	99.5	99.6	99.6	97.1	81.5	54.6	51.7	53.3	54.5	50	47.6	53.8	56.4	55.1	55.1	61	64.3	69.5	69.3	73	74.4	78.2	80.7	85	69.4
12	88.1	92.1	95.7	97.1	96.5	96.4	97	94.4	92	84.7	83.3	79.1	74.5	71	68.1	65.7	64.2	66.2	70.8	76.2	85.3	86.9	87.6	90.8	83.5
13	91.2	91.7	93.7	94.4	93.5	94.3	93	88.6	83.4	79.2	75.8	73	70.3	69.2	65.9	63.6	64.9	75	83.4	84.1	82.6	93.1 ?	?	97.1 ?	82.7
14	94	90.8	86.5	89.5	93.8	90.5	86.5	71.5	53.8	53	52.8	50.7	50.5	47.8	44.7	42.3	42.2	43	46.9	52.6	55	58.3	63.4	66.5	63.6
15	68.8	70.1	71.5	71.1	77.5	79.1	76	68.3	59.5	50.6	46.9	41.5	39.6	38.2	37.2	35.3	33.6	34.5	39.2	43.5	54.7	58.3	62.7	68.7	55.3
16	75	83.8	84.1	86.8	90.9	90.1	86.6	81.2	71.7	62.4	54.4	52.5	50.2	46.7	43	41.2	41.6	43.6	57.4	63.3	66.4	65.3	69.4	74.8	65.9
17	77.7	80.8	81.3	81.1	80.8	80.9	79.8	76.3	71.8	68.4	66.3	62.5	59	57.1	56.4	54.9	54.1	55.7	59.2	73.2	75.9	77.6	80.1	82.7	70.6
18	82.8	86	91	94.6	96.3	96.3	92.2	87.7	81.6	80.9	81.2	96.7	98.9 ?	98.3	98.6	96.5	96	96.6	89.7	82	79.7	77.8	79.4	80.7	89.2
19	86	87	89	87.4	83.7	85.7	84.8	84.5	81.7	74.4	72.1	68	66.4	62.1	59.7	60.6	63.7	67	69.1	73.2	76.9	80.8	81.2	81.9	76.1
20	81.8	86.3	89.1	89	89.3	87.1	78	71.3	62.9	50.7	45.9	46	47.7	45.5	44.3	41.4	40.7	44.2	52.2	57.6	63.5	67.9	76.3	84.5	64.3
21	92.6	98.5	?	98.9 ?	97.8	93.6	79.5	64.9	65.9	57.2	51.2	53.2	65.7	68.3	70.9	64.9	64.8	68.2	71.4	74	76.6	81	82.5	87.7	75.2
22	86.2	88.3	82.2	79.8	76.3	74.1	70.3	64.2	49.9	48.6	48.9	51.7	46.4	44.4	43.7	43.4	44.4	45.7	54.2	64.1	70.4	80.1	86.4	90.8	63.9
23	90.9	93.4	95.1	94.2	92.3	88.1	78.9	69.7	57.9	49	42.1	40.4	40.3	41	42.7	45.8	48.2	50.7	53.2	62	69.5	76.4	75.9	81.9	65.8
24	86.2	85.7	82.8	85.4	93.5	95	83.6	67.3	55.4	47.4	43.5	40	35.7	34.5	33.5	33.4	34.4	33.5	40.6	46.6	52.5	55.9	70.8	74.8	58.8
25	78.3	86.8	92.2	94.3	95.8	96.4	90.3	76.9	71.5	67.3	66.5	68.6	70.1	74.2	76.3	80.3	81.9	84.8	90.6	96.6	99	99.9 ?	?	?	83.6 ?
26	?	?	?	?	?	?	98.2 ?	88.4	77.8	73.3	64.9	61.9	58.5	56.7	53.4	48	44.7	48.4	59.9	72	83.5	88.8	94.5	99.2 ?	70.7 ?
27	?	?	?	?	?	?	?	88.3	73.4	65.1	62	60.4	60.8	61.2	60.6	59.1	66.8	74.3	78.1	82.5	86.9	90.2	92.2	97	74.1 ?
28	99.4 ?	?	?	?	?	?	97.3 ?	85.6	78.6	76.1	68.4	67.7	68.6	65.7	69.8	72.3	74.9	76.7	82.5	88.9	94.7	97.7	99.4	99.8 ?	82.3 ?
29	?	?	98.8 ?	98.3	98.4	99.1	97.2	89.5	80.6	72.7	74.7	74.2	70	68.7	70.6	72.7	74.5	75.7	83.1	90.6	95.9	98.2	99.8 ?	?	84.9 ?
30	?	?	?	?	?	?	98 ?	92	84.4	77.3	72.7	68.7	65.5	65.4	68.5	71	73.3	77.5	81.9	90	94.3	96.9	99.3	?	81 ?
31	?	?	?	?	?	?	99.7 ?	95.1	87	78.5	73.4	65.2	55.8	56.5	53.9	61.7	66.8	67.3	74.3	83.1	87.7	90.2	91.6	92.3	76.7 ?
Avg	88	89.2	89.6	90	88.8	86.5	86.5	82.7	75.6	71.2	67.1	65.1	63.7	62.7	62.8	63	62.9	66.8	71.3	77.2	81.4	82.3	83.8	86.6	76.1 ?
S D	8.6	7.3	7.8	8	9.5	13	12.6	12.9	13.6	15	14.7	14.7	15.1	14.9	15.7	16.3	15.6	16.9	15.1	14.6	13.8	13.2	11.3	10	9.1
S/A	0.1	0.08	0.09	0.09	0.11	0.15	0.15	0.16	0.18	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.25	0.25	0.21	0.19	0.17	0.16	0.13	0.12	0.12
Min	68.8	70.1	71.5	71.1	62.8	54.6	51.7	53.3	49.9	47.4	42.1	40	35.7	34.5	33.5	33.4	33.6	33.5	39.2	43.5	52.5	55.9	62.7	66.5	55.3
Max	99.7	99.9	99.8	100	98.7	99.1	99.7	99.5	98.9	99.3	97.5	98.4	98.9	98.3	98.6	99.6	96	99.8	92.6	98	99.8	99.9	99.8	99.8	90.4
n	248	231	226	226	228	228	259	319	342	362	372	372	365	372	372	367	360	364	360	360	335	300	279	258	7509

Data Recovery: 0.0% missing; 15.9% failed QC -- 8928 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

May 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	14.6	14.6	14.5	14.1	14	14	14.6	15.2	15.8	16.5	18.4	21.6	25.1	26.6	26.7	26.1	24.8	24.2	22.6	19.7	17.6	16.6	16.3	16.5	18.8
2	16.8	17	17.3	17.5	17.7	18.1	18.8	19.7	21.3	24	26.9	29.1	30.3	31.2	31.8	32.1	30.7	29.1	27.5	25.3	23.1	19.8	18.6	18.2	23.4
3	18.2	18.3	18.3	18.3	18.3	18.4	18.6	19.4	20.5	20.7	21.1	21.4	21.8	21.7	21.1	20.4	19.6	18.7	17.5	16.5	15.5	14.8	14.7	14.8	18.7
4	14.5	13.7	13	13	13.4	13.5	13.7	13.8	14	14.4	14.4	13.7	12.7	12.6	12.9	12.9	12.6	12.4	12.3	12.5	12.9	13.3	13.6	13.7	13.3
5	13.7	13.8	13.9	13.4	12.7	12.1	12.2	12.8	13.3	13.8	14.4	14.9	15.4	16.5	18.3	20	19.9	18.8	17.4	15.3	13.6	12.4	11.8	10.9	14.6
6	9.9	9.4	9.5	9	8.3	7.9	8.9	12.1	16.4	20.3	22.5	24.1	25.1	24.9	25.4	26.5	25.2	22.5	20.5	18.9	18.1	18	18.1	18.5	17.5
7	19.1	19.4	19.4	19.1	18.9	18.7	18.9	20.5	22	24.4	26.1	27.5	28.1	28.9	30.1	31	31.1	29.9	28.5	26.7	25.4	24.6	23.9	23.2	24.4
8	22.4	21.5	21.1	20.8	20.4	20	20.4	22.1	24.9	27.5	28.9	29.5	29.6	29.1	29.3	29.6	29.4	27.8	24.6	21.1	18.8	17.5	16.7	16.2	23.7
9	16.2	16.6	16.8	16.8	16.9	17	17.6	18.5	20.6	24.1	28.1	31.3	32.7	33.6	33.9	33.6	33.7	33.2	31.4	29.3	27.4	26	24.8	23.8	25.2
10	23.3	22.8	22.2	21.3	20.5	20.1	20.7	23.1	25.9	28.9	31.8	34.1	35.3	35.7	34	32.2	31.2	30	27.6	24.3	22.2	20.8	19.5	18.5	26.1
11	18	17.8	17.9	18	18.4	18.9	19	19.7	20.2	20.4	20.9	22.2	22.3	22.9	23.6	23.5	22	20.4	18.9	17.6	17	16.7	16.3	16.1	19.5
12	16.1	16.1	15.4	15.1	15.7	16.5	17.2	19.2	22.8	26.4	28.5	29.5	30.1	31.1	32	32.6	32.6	32	30.4	28.1	26.3	25.1	24.6	24	24.5
13	23.2	22.5	21.7	21.1	20.9	20.9	21.6	23.2	25.1	27.2	28.9	30.3	30.9	31.1	31.3	31.9	31.7	31.2	29.1	27.1	25.9	24.1	21	20.2	25.9
14	19.3	18.4	16.9	15.2	13.8	12.7	13.2	15.2	17.6	19.5	20.6	21.1	21	21	21.2	21.4	21.9	21.7	20.6	18.4	16.4	14.9	13.8	12.7	17.9
15	11.8	11.3	10.6	10	9.3	8.6	10	13.2	16.8	19.9	22	23.4	24.1	24.1	24.5	25.3	25.5	25.2	23.9	20.9	17.9	15.2	13.6	12.6	17.5
16	12.1	12.2	12.5	12.7	12.6	12.5	14.1	17	19.6	22.2	24.1	25.5	26.4	26.8	27.4	28	28.4	28.1	26.5	23.9	22.1	21.3	20.5	19.6	20.7
17	18.8	18.4	18.2	18.6	18.9	19.1	19.4	20.7	22.8	24.5	26	27.5	28.5	29.2	30.1	30.6	30.8	30.5	29.3	26.8	24.5	23.1	22	21.5	24.2
18	21.2	21.3	21.3	21.5	22.1	22.6	23.5	24.8	26.3	26.7	26.6	23.6	17.2	14.9	14.3	14.3	14.4	14.7	14.7	14.5	14.1	13.5	12.8	12.4	18.9
19	11.7	11.3	11.3	11.1	11.1	10.7	10.7	12.2	13.8	15	15.9	16.5	16.4	16.2	16.7	17.2	16.7	15.5	14.2	12.7	11.2	10.2	9.5	9.1	13.2
20	9.1	8.9	8.6	8.7	8.7	8.3	9.2	12.2	15.2	17.4	18.7	19.8	19.3	19.5	19.9	20.3	20.1	18.9	17.4	14.9	12.4	11	10.1	9.2	14.1
21	7.6	6.4	5.4	4.9	4.7	4.9	6.8	11.3	15.3	18	19.5	20.8	19.8	18.5	18.2	17.8	17.9	16.4	14.4	12.8	11.6	10.6	9.5	8.8	12.6
22	8.3	8.3	8.4	8.7	9	9.2	9.8	11.8	14.8	17.5	18.8	19.4	19.4	19.5	19.7	20	20.3	19.7	18.3	15.3	12.2	10.3	8.6	7.2	13.9
23	6.6	6.1	5.7	5.4	5.3	5.7	8.2	12.5	16.5	19.6	21.8	23.3	23.9	24.1	24.6	25.1	25	24.1	21.9	18.3	15.2	13.6	12.1	11.2	15.7
24	10.4	10.3	10.1	10	9.6	9.7	11.7	15.2	19.3	23	26.1	28.4	30.1	31.2	32	32.4	32.6	32.2	30.8	27.7	24.5	22.3	20.9	19.5	21.7
25	18.7	17.8	17	16.5	16.1	15.8	16.9	19.8	23.3	26.2	28.5	29.1	28.3	27.9	27.8	27.4	26.4	25.4	23.6	21	19	18	17.5	17.2	21.9
26	16.8	16.5	16.3	16.1	15.7	15.7	16.9	19.5	23.2	26.1	28.4	30	30.4	30.9	31.4	31.9	32.1	31.2	28.6	26	24	22.6	21.5	20.5	23.9
27	19.8	19.4	18.9	18.2	17.5	17.1	18.5	21.1	24.7	27.6	29.2	30.5	30.2	29.7	29.8	30	29.3	28.1	26.6	24.2	22	20.5	19.5	18.8	23.8
28	18.1	17.4	17.3	17.4	17.3	17	18.2	21.5	25.4	28.1	29.8	30.5	30	29.6	29.9	29.9	29.5	28.8	26.8	24.6	22.7	21.4	20.6	20	23.8
29	19.6	19.3	19	18.8	18.8	19	20	22.4	25.2	27.5	28.8	28.8	29.3	29.7	30.3	30.4	30.1	29.3	27.7	25.2	23	21.8	21	20.6	24.4
30	20.4	20.3	20.3	20.2	20	20	21	23.7	26.5	28.3	29.6	30.8	31.6	31.4	31.5	31.4	31.1	30.2	28.4	25.7	23.1	21.7	20.9	20.1	25.4
31	19.4	18.8	18.4	18.2	18	18	19.8	23.2	26.5	28.5	29.8	31	32.5	33.1	33.7	34.3	33.6	33.2	32.1	29.4	26.7	25.3	24.5	24	26.3
Avg	16	15.7	15.4	15.2	15	14.9	15.8	17.9	20.5	22.7	24.4	25.4	25.7	25.9	26.2	26.5	26.1	25.3	23.7	21.4	19.6	18.3	17.4	16.8	20.5
S D	4.8	4.7	4.7	4.7	4.8	4.8	4.6	4.3	4.4	4.7	5	5.3	5.8	6.1	6.1	6.1	6.1	6.1	5.8	5.4	5.1	4.9	4.9	4.9	4.5
S/A	0.3	0.3	0.31	0.31	0.32	0.32	0.29	0.24	0.21	0.21	0.21	0.21	0.23	0.24	0.23	0.23	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.22
Min	6.6	6.1	5.4	4.9	4.7	4.9	6.8	11.3	13.3	13.8	14.4	13.7	12.7	12.6	12.9	12.9	12.6	12.4	12.3	12.5	11.2	10.2	8.6	7.2	12.6
Max	23.3	22.8	22.2	21.5	22.1	22.6	23.5	24.8	26.5	28.9	31.8	34.1	35.3	35.7	34	34.3	33.7	33.2	32.1	29.4	27.4	26	24.8	24	26.3
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: CSI Serial Number: Internal Temp Calibration Factor: N/A Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

May 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	2.9	2.4	2.4	2.1	1.6	1.9	2.2	1.6	1.8	1.4	2.5	1.7	0.9	2	2.4	3.4	3.4	2.6	2.2	1.9	2	2.3	2.5	2.4	2.2
2	1.9	2.2	2.9	2.4	2.7	3.1	3.4	3.7	4.3	4.7	5.8	5.4	6	5.8	5.3	4	3.6	2	1.4	2.7	3.5	1.4	2.6	0.7	3.4
3	1.2	0.7	0.3	0.3	0.2	0.5	0.9	1.5	3.1	2.9	3.2	2.9	2.4	2.3	2.8	1.8	2.3	2.3	2.2	1.9	1.2	1.2	1.4	1.4	1.7
4	1.3	2.2	1.3	2.7	3.2	3.1	3.3	2.4	3.5	3.2	3.4	2.8	2.9	3.1	2.6	2.9	3.4	2.5	2.5	2.2	2.6	2.9	2.6	2	2.7
5	2.7	2.4	3.4	4	3.7	3.5	3	3.1	3.8	4	3.5	3.3	3	2.7	3.1	3.5	3.5	2.9	1.4	1	0.4	0.3	0.1	0	2.6
6	0	0.1	0	0	0	0.2	0.2	0.3	1.2	1.6	1.5	1.3	2.5	3	1.6	2.2	3.2	2.5	2.3	1.9	1	1.7	2.2	2.6	1.4
7	3.1	2.8	2.6	3	2.6	2.8	3.4	4.3	4.1	5	5.4	5.6	4.4	4.3	3.9	4.2	4.1	3.4	2.5	2.3	2	1.5	1	2.1	3.3
8	1.3	0.8	1.1	1.1	1.1	1.4	1.9	1.7	2	2.3	3	3.1	3.1	2.9	2.5	2.6	2.7	2.8	2.7	2.6	2.9	3.1	1.3	1.3	2.1
9	1.6	2.1	2.1	1	1	1.3	2.1	2.2	2.5	2	1.7	2.5	3.1	4.3	4.5	5.1	4.3	2.5	2.7	2.5	3.3	3.5	3.8	1.9	2.6
10	0.8	1.3	0.9	0.7	1.3	1.1	1.3	2.2	2.1	2.2	1.7	1.4	1	2.2	3.6	3.7	3.2	3.1	2.6	2.8	1.6	0.6	0.1	0.5	1.7
11	0.6	0.8	0.7	3.3	4.1	5.1	4.7	5.6	6.6	6.1	6	5.1	4.4	4.5	3.9	3.9	3.4	3.6	2.9	2.3	2.6	2.3	2	2.5	3.6
12	1.1	0.5	0.1	0.1	0.1	0.1	0.4	1.1	2.6	3.3	3.5	3.8	3.6	3.7	4.2	4.6	4.8	3.5	2.6	1.8	2.2	3.4	3.7	3.2	2.4
13	2.7	2.1	2.3	2.6	3.2	3.3	4.5	5.2	5.6	5.3	5	6	6.2	6.2	6.8	6	4.9	4.6	4.7	5.2	5.5	5.6	3.1	4.2	4.6
14	4.3	3.4	2.8	2.4	2.5	2.5	2.1	3.1	3.3	3.7	4.6	4.8	5.2	4.3	4.4	5.4	5.4	5.2	4	3.6	2.9	2.5	2.1	2.4	3.6
15	2.6	2.4	2.2	2.1	1.8	1.7	2.2	2.3	2.6	3.3	2.7	3.3	3	3.3	2.9	3.1	3.2	2.7	1.7	1.4	0.6	0.7	0.7	0.8	2.2
16	1.2	1.4	2	1.9	1.7	1.8	1.7	2.7	3.1	4.1	4.6	4.4	5	4.9	5.2	4.9	4.2	4.1	3.3	3.8	3.7	4.4	4.6	3.9	3.4
17	4.2	3.6	3.9	4.1	4.1	3.8	4.1	4.6	5.7	6.4	5.3	4.9	5.3	5	4.8	4.6	4.1	3.5	2.1	3.4	3.5	3.7	3.9	4	4.3
18	4	4.1	3.8	4.8	4.6	4.5	5.1	6.5	8.1	6.9	7.1	5.4	3.9	3.6	1.9	1	0.4	0.5	2	2.9	2.8	2.8	1.7	2	3.8
19	1.5	1.6	1.2	1.9	2.7	2.6	3	3.9	3.6	4.5	4.6	4.8	4.5	4	4.1	3.7	3.4	3.4	2.3	1.6	1.7	1.8	1.8	1.6	2.9
20	2.1	1.5	0.7	1.5	1.2	1.5	1.8	2.4	3.1	3.6	3.3	3	3.7	3.4	3.3	3.8	2.5	2.5	1.8	1.4	1	1.3	1.2	0.2	2.2
21	0	0	0.1	0.5	0.9	0.5	1.4	2.5	2.7	3.3	3	2.1	3	3.3	3.5	3.4	2.9	2.9	2.2	1.9	1.6	1	1	0.7	1.8
22	0.8	0.8	1.7	2.1	2	2.1	2.1	2.1	4.3	4.6	4.9	4.6	4.7	5	4.6	4	3.8	3.3	2.9	1.4	0.9	0.6	0.4	0.8	2.7
23	0.6	0.8	0.8	0.8	1	1.3	1.6	2	2.5	2.9	2.5	2.4	2.5	2.5	2.6	2.7	2.6	2.5	2.1	1.4	2	1.1	1.2	0.8	1.8
24	1.9	1.8	2	1.2	1.5	2	2.4	2.5	2.8	3.2	3.3	2.6	2.5	2.6	3.2	3.2	3.3	3	1.6	1.3	0.9	1.4	1.1	1.8	2.2
25	1.3	1	1.3	1.7	1.2	1.2	1.5	1.8	3.4	3.6	3.6	4	3.8	4.1	4.5	4.2	3.8	3.6	2.7	2.1	1.4	1	0.7	0.2	2.4
26	0.1	0.2	0.2	0	0.5	0.2	1.4	2.5	3.1	2.6	2.9	3.5	3.6	3.5	3.1	3.6	3.4	4.1	3.3	3.2	2.6	1.7	1.3	0.8	2.1
27	0.8	0.9	0	0.1	0.3	0.6	0.8	1.6	1.9	2.3	1.8	2.5	3.8	4.3	4.5	5.1	5.7	4.7	3.9	2.9	2	1.4	1.4	1.2	2.3
28	0.2	0.3	0.6	0.3	0.1	0.6	0.4	1	2.1	2.8	3.4	4.2	4.2	4.2	4.8	4.5	4	3.6	2.6	2.5	1.9	1.4	1.3	1.6	2.2
29	1.5	1.6	2	2.2	2.2	2.3	2.7	2.9	4.2	4.4	4.5	4.7	5	4.6	4.6	4.4	3.9	3.9	3.4	2.5	2	1.7	1.8	1.9	3.1
30	1.6	1.8	1.6	1.3	1.5	1.5	1.5	2.4	3	3.6	3.4	3.9	3.5	3.9	4.3	4.2	4	3.3	3.1	2.4	1.3	0.9	0.6	0	2.4
31	0	0	0	0	0	0	0.1	1.3	2	2.4	2.4	2	2.3	2.7	3	3.7	3.6	3.3	3.4	2.7	2.8	2.8	2.7	2.8	1.9
Avg	1.6	1.5	1.5	1.7	1.8	1.9	2.2	2.7	3.4	3.6	3.7	3.6	3.6	3.7	3.8	3.8	3.6	3.2	2.6	2.4	2.1	2	1.8	1.7	2.6
SD	1.2	1.1	1.1	1.3	1.3	1.3	1.3	1.4	1.5	1.4	1.4	1.3	1.3	1	1.1	1.1	1	0.9	0.8	0.9	1.1	1.2	1.1	1.2	0.8
S/A	0.75	0.7	0.75	0.77	0.74	0.7	0.61	0.52	0.44	0.37	0.37	0.37	0.35	0.28	0.3	0.28	0.27	0.28	0.3	0.37	0.51	0.61	0.64	0.68	0.3
Min	0	0	0	0	0	0	0.1	0.3	1.2	1.4	1.5	1.3	0.9	2	1.6	1	0.4	0.5	1.4	1	0.4	0.3	0.1	0	1.4
Max	4.3	4.1	3.9	4.8	4.6	5.1	5.1	6.5	8.1	6.9	7.1	6	6.2	6.2	6.8	6	5.7	5.2	4.7	5.2	5.5	5.6	4.6	4.2	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.

Prepared by: Afshin M. Andreas, NREL

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

May 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	354	348	349	346	350	5	8	1	27	50	50	69	193	273	288	238	237	249	265	243	237	255	260	273	303
2	304	302	292	313	299	301	307	341	350	355	6	14	11	16	12	24	36	96	250	155	136	322	348	106	355
3	16	346	22	37	131	145	134	122	159	190	201	213	236	243	243	238	243	262	277	285	277	245	241	237	229
4	229	221	228	227	234	233	237	233	244	237	245	244	236	229	227	230	233	216	219	219	211	224	222	206	230
5	205	177	175	177	168	168	176	192	182	178	179	171	188	187	198	177	171	191	211	230	228	211	176	0	182
6	0	190	191	0	132	129	154	190	231	256	241	281	279	266	350	309	298	300	289	296	315	342	353	11	299
7	28	35	26	32	25	25	30	41	39	38	40	47	51	48	34	28	36	31	29	26	29	282	292	333	33
8	349	18	37	68	69	85	92	122	165	149	354	41	46	36	56	51	40	47	49	41	46	47	55	101	54
9	97	92	70	96	130	103	110	129	154	178	222	239	235	237	240	253	242	235	210	210	217	228	247	298	217
10	205	208	246	184	208	226	219	255	300	341	336	10	6	99	109	106	106	113	112	126	152	160	74	356	125
11	28	50	13	32	54	63	66	67	77	84	84	86	81	82	83	88	83	83	81	78	91	89	78	101	76
12	78	94	258	325	227	299	287	220	220	233	245	256	252	245	243	239	243	246	246	221	220	225	233	237	239
13	239	231	234	235	243	243	243	248	246	244	235	244	237	241	241	237	232	216	216	220	234	279	248	287	241
14	297	308	313	309	313	321	321	334	326	301	293	300	299	314	320	314	306	311	301	303	299	314	317	309	309
15	309	312	333	325	314	308	310	328	329	331	337	344	324	304	297	304	301	301	292	280	225	240	236	218	312
16	208	234	247	245	245	246	247	257	264	265	266	253	251	257	253	248	245	252	232	230	235	242	245	248	249
17	258	255	257	263	264	262	265	262	264	268	261	260	255	261	263	261	254	251	239	214	223	233	237	239	255
18	244	246	239	244	244	242	246	255	234	232	251	325	326	338	3	19	11	352	353	341	342	347	326	326	271
19	331	321	312	324	326	337	337	344	6	31	39	43	51	51	55	42	50	50	46	24	12	9	354	358	20
20	359	4	330	328	327	328	340	342	357	15	22	39	51	53	50	63	45	53	68	81	83	65	72	13	30
21	304	302	304	309	323	315	320	339	355	353	26	15	28	52	60	40	34	47	53	70	62	52	38	8	28
22	9	337	343	357	359	358	7	11	53	47	46	42	56	58	46	56	56	66	68	57	43	355	336	354	41
23	4	357	344	353	7	1	7	25	48	52	50	65	73	88	88	91	75	100	122	139	139	175	168	210	72
24	244	243	236	228	246	245	247	256	262	259	259	262	267	276	245	246	244	256	233	227	221	239	212	232	249
25	230	223	226	235	230	251	281	5	45	57	53	53	49	74	79	71	74	71	67	60	63	55	56	74	61
26	126	148	167	179	176	187	213	224	230	216	213	191	203	195	196	193	186	171	161	164	165	154	148	144	189
27	156	158	178	167	153	155	158	166	220	184	205	122	118	101	113	122	129	134	139	141	142	145	143	142	137
28	147	95	138	123	348	12	41	71	78	115	105	109	107	115	110	115	108	119	116	96	93	90	88	89	105
29	85	88	90	92	88	79	78	90	91	102	111	105	105	106	103	99	92	89	87	83	66	61	61	62	92
30	58	61	56	53	60	55	68	77	87	85	99	105	96	97	99	100	103	101	93	89	103	99	90	296	89
31	302	0	0	0	339	337	185	219	234	252	251	225	229	217	217	187	172	194	208	207	207	216	221	223	213
Avg	295	286	288	291	287	300	297	307	295	304	324	18	7	40	82	132	149	143	161	177	189	255	255	269	291
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

May 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	4.6	3.6	3.8	3.2	2.5	3	3.6	2.7	2.8	2.4	3.8	3.4	2.1	3.3	3.8	4.9	4.8	3.9	3.1	2.9	3	3.2	3.6	3.7	3.4
2	3	3.6	4.9	3.9	3.9	4.6	5.2	5.7	7.4	7.5	8.7	8.7	9.1	8.8	8.1	6.2	5.3	3.4	2.2	4.1	6.1	2.3	4.4	1.7	5.4
3	2.6	1.6	0.9	0.9	0.5	1.5	2.4	3.5	5.5	5.3	5.1	4.8	3.6	3.6	4.2	2.8	3.6	3.3	3.3	2.8	2.1	2.1	2.2	2.3	2.9
4	2.1	3.7	2.3	4.3	5.3	5.2	5.2	3.8	5.1	5	5.6	4.3	4.4	5.1	4.4	5.1	5.4	4.5	4.3	3.9	4.3	4.7	4.5	3.9	4.4
5	4.4	4.3	5.5	6.6	6.5	5.5	5.6	5.7	6.7	6.9	6	5.7	5.5	4.6	5.3	5.7	5.7	4.7	2.6	2	1.2	0.9	0.4	0	4.5
6	0	0.3	0	0	0.1	0.7	0.5	1.1	2.2	2.8	3	2.8	4	4.5	3.2	3.5	4.3	3.3	3.5	2.8	2.1	3.2	3.7	4.6	2.4
7	5.2	4.7	4.5	4.7	4.2	4.7	5.7	6.4	6.9	7.7	8.2	8.4	7.1	6.3	6.3	6.4	6.5	5.3	4.1	3.5	3.3	2.4	1.8	3.1	5.3
8	2.3	1.5	1.7	1.8	1.7	2.3	3.4	3.2	3.5	3.8	4.8	5	4.6	4.6	4.1	4.4	4.4	4.2	4	4	4.5	4.8	2.2	2.2	3.5
9	2.5	3.3	3.1	1.7	2	2.2	3	3.2	4.1	3.3	3.1	4.1	4.8	6.5	6.9	8.2	6.7	4.1	4.4	4.1	5.3	5.5	5.8	3.4	4.2
10	1.4	2.1	1.6	1.1	1.9	1.7	2.4	3.3	3.8	4.1	3.2	2.9	2.3	3.6	5.6	5.5	4.8	4.4	4	4.3	2.4	1.3	0.5	1.1	2.9
11	1.1	1.4	1.3	5.2	7.2	8	7.7	9.4	10.1	9.7	9	8.1	6.9	6.7	6	6	5.4	5.5	4.8	3.6	4.4	4	3.3	3.8	5.8
12	1.9	1	0.3	0.2	0.3	0.3	1	2.1	4.2	5.2	5.3	5.9	5.7	6.1	6.7	6.9	7.4	5.5	3.9	3	3.5	5.2	5.9	5	3.9
13	4.5	3.3	3.4	4.1	4.7	5.1	7	8.1	9	7.9	7.8	9.5	9.9	10	10.8	9.4	8	7.7	8.3	8.3	8.1	8.6	4.6	6.7	7.3
14	7.1	6.3	5	4.5	4.4	4.4	4.3	5.8	6.2	6.7	7.7	7.9	8.6	8.6	7.9	9.2	8.9	9	6.5	5.5	4.4	4.2	3.8	3.6	6.3
15	4.1	4.1	4.1	3.6	3	2.8	3.6	4.7	4.7	6.3	5.2	5.8	5.4	5.8	5.5	6	5.2	4.3	2.4	1.9	0.9	1	1.1	1.2	3.9
16	1.7	2.1	2.7	2.6	2.4	2.7	2.9	4.3	4.7	6.6	6.9	7.3	7.9	8.1	8	7.5	6.2	6.6	5.3	5.9	6	7.3	7.3	6.3	5.4
17	6.4	5.4	5.9	6.2	6.3	6	6.6	7.4	9	9.6	8	7.7	7.9	7.8	7.4	6.9	6.4	5.4	3.3	5.6	6	6.1	6.3	6.6	6.7
18	6.7	6.7	6	7.4	7	7.2	8.5	10.1	13	10.9	10.9	9.4	6.8	6.1	3.3	2.2	1.2	1.2	3.7	4.9	5.1	4.7	3.2	3.6	6.3
19	2.7	2.8	2.5	3.6	5.1	4.4	5.2	5.9	6.1	7.1	7.3	7.8	7.2	6.4	6.7	5.9	5.5	5.2	3.6	2.9	2.7	2.9	2.8	2.8	4.8
20	3.4	2.5	1.6	2.5	2.1	2.7	3.3	4.5	5.4	5.8	5.6	5.1	6	5.6	5.6	6.2	4.2	4	2.9	2.5	1.7	2.1	1.8	0.5	3.6
21	0.1	0.1	0.4	1	1.4	1	2.6	4.6	4.7	5.4	4.9	3.7	4.9	5.1	5.6	5.2	4.7	4.8	3.4	3	2.7	1.7	1.4	1.2	3.1
22	1.3	1.5	2.8	3.1	3	3.3	3.6	3.8	6.9	7.1	7.8	7.4	7.6	8	7.5	6.3	6.5	5.3	4.7	2.3	1.6	1.1	0.8	1.2	4.4
23	1.1	1.1	1.3	1.3	1.4	1.8	2.4	3.2	4.2	4.6	4.7	4.1	4.6	4.2	4.3	4.5	4.1	3.8	3.4	2.2	2.9	1.7	1.9	1.4	2.9
24	2.5	2.4	2.9	1.7	2	2.6	3.6	3.9	4.5	5	5.4	4.5	4.3	4.7	5.6	5.2	5	4.5	2.4	1.8	1.5	1.9	1.9	2.5	3.4
25	1.7	1.6	2.1	2.5	1.7	1.7	2.4	3.3	5.8	6	5.8	6.2	6	6.1	6.6	6.4	5.9	5.5	4.4	3.2	2.2	1.7	1.1	0.5	3.8
26	0.5	0.6	0.6	0.1	1.2	0.8	2.3	4.2	5.1	4.3	5	5.7	6.1	5.7	5.3	5.8	5.6	6.3	5.3	4.8	4	2.6	1.9	1.5	3.6
27	1.4	1.6	0.1	0.4	0.5	1.1	1.4	2.4	3.3	3.7	3.6	4.5	6.1	6.5	6.6	7.4	8.2	7.2	5.8	4.2	2.8	2.2	2	1.9	3.5
28	0.5	0.5	0.9	0.6	0.4	1	1	1.8	3.2	4.3	5.4	6.1	6.2	6.7	7.3	6.5	5.9	5.5	4.1	3.9	3.1	2.1	2.1	2.4	3.4
29	2.3	2.4	3	3.5	3.4	3.4	4.5	4.6	6.3	7	6.9	7.2	7.4	6.7	7.1	6.3	6.1	5.7	5.1	3.9	3.2	2.7	2.8	2.9	4.8
30	2.7	2.8	2.5	2.2	2.4	2.5	2.7	3.7	4.5	5.5	5.5	5.8	5.4	6	6.1	6.1	6	4.8	4.6	3.5	2.3	1.5	1	0.1	3.8
31	0	0	0	0	0	0	0.4	2.2	3.5	4	3.9	3.7	4.4	5	5.3	6.1	5.8	5.4	5.7	4.5	4.6	4.6	4.3	4.5	3.2
Avg	2.6	2.5	2.5	2.7	2.9	3	3.7	4.5	5.6	5.9	5.9	5.9	5.9	6	6	6	5.6	5	4.2	3.7	3.5	3.2	2.9	2.8	4.3
SD	1.9	1.7	1.8	2	2.1	2	2.1	2.1	2.3	2	1.9	1.9	1.8	1.6	1.6	1.6	1.5	1.4	1.3	1.4	1.7	1.9	1.8	1.8	1.2
S/A	0.73	0.68	0.72	0.74	0.74	0.67	0.56	0.48	0.42	0.35	0.32	0.33	0.31	0.27	0.27	0.26	0.26	0.29	0.31	0.37	0.48	0.59	0.62	0.66	0.29
Min	0	0	0	0	0	0	0.4	1.1	2.2	2.4	3	2.8	2.1	3.3	3.2	2.2	1.2	1.2	2.2	1.8	0.9	0.9	0.4	0	2.4
Max	7.1	6.7	6	7.4	7.2	8	8.5	10.1	13	10.9	10.9	9.5	9.9	10	10.8	9.4	8.9	9	8.3	8.3	8.1	8.6	7.3	6.7	7.3
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

May 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	1010	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1010	1010	1009	1009	1009
2	1009	1008	1007	1007	1007	1006	1005	1005	1005	1004	1003	1002	1001	1001	1001	1001	1002	1003	1003	1004	1006	1006	1006	1008	1005
3	1006	1005	1006	1006	1007	1007	1008	1010	1011	1012	1012	1012	1012	1012	1012	1013	1014	1014	1015	1016	1017	1018	1018	1019	1012
4	1019	1020	1020	1020	1021	1022	1022	1023	1023	1023	1023	1023	1022	1022	1021	1020	1020	1020	1019	1019	1020	1019	1019	1018	1021
5	1018	1018	1018	1018	1019	1019	1021	1021	1022	1023	1024	1024	1023	1023	1023	1023	1024	1024	1024	1025	1025	1025	1025	1025	1022
6	1025	1025	1024	1025	1025	1026	1026	1026	1026	1027	1026	1026	1026	1025	1024	1024	1023	1022	1022	1021	1022	1022	1021	1020	1024
7	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1017	1017	1016	1015	1015	1014	1014	1014	1014	1015	1016	1016	1015	1017
8	1014	1014	1014	1014	1014	1015	1015	1016	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	1017	1017	1017	1018	1017	1016
9	1017	1016	1015	1015	1015	1015	1015	1015	1015	1016	1015	1015	1014	1013	1013	1012	1012	1012	1012	1013	1014	1014	1014	1016	1014
10	1015	1015	1015	1015	1016	1017	1018	1018	1019	1019	1020	1019	1019	1019	1019	1019	1019	1020	1020	1020	1021	1022	1022	1022	1019
11	1022	1022	1022	1023	1024	1025	1026	1027	1028	1029	1029	1029	1029	1029	1028	1027	1027	1027	1027	1027	1027	1027	1027	1026	1026
12	1025	1024	1023	1023	1024	1024	1024	1024	1023	1023	1023	1022	1021	1020	1019	1018	1017	1017	1017	1017	1017	1016	1016	1015	1020
13	1014	1014	1013	1013	1013	1013	1013	1012	1012	1011	1011	1009	1008	1007	1006	1004	1003	1002	1001	1001	1001	1003	1003	1003	1008
14	1003	1004	1004	1004	1005	1006	1007	1008	1008	1008	1008	1008	1008	1008	1008	1008	1009	1010	1011	1012	1013	1014	1014	1014	1008
15	1015	1015	1016	1016	1017	1017	1018	1019	1020	1020	1020	1020	1020	1019	1019	1020	1020	1020	1020	1020	1021	1021	1021	1021	1019
16	1021	1021	1021	1022	1022	1022	1023	1023	1023	1022	1022	1021	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1020
17	1016	1016	1015	1015	1015	1016	1016	1016	1015	1015	1014	1014	1013	1013	1012	1011	1010	1010	1009	1009	1009	1009	1009	1008	1013
18	1007	1006	1005	1005	1004	1003	1003	1002	1002	1002	1003	1006	1007	1008	1008	1009	1010	1011	1011	1012	1013	1014	1015	1015	1008
19	1015	1015	1015	1015	1016	1016	1017	1016	1017	1017	1018	1018	1018	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017
20	1018	1018	1018	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1019	1019	1019	1020	1020	1020	1019
21	1020	1020	1020	1020	1020	1021	1022	1022	1023	1023	1023	1023	1023	1022	1022	1022	1022	1022	1023	1023	1024	1024	1024	1024	1022
22	1024	1024	1024	1024	1024	1024	1025	1025	1025	1026	1026	1026	1025	1025	1025	1024	1024	1024	1024	1024	1025	1025	1024	1024	1025
23	1023	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1021	1019	1018	1018	1018	1018	1017	1017	1017	1018	1017	1016	1020
24	1016	1015	1015	1015	1015	1015	1015	1016	1016	1015	1015	1014	1013	1013	1012	1012	1011	1011	1012	1012	1013	1013	1013	1013	1014
25	1013	1013	1013	1013	1013	1014	1015	1016	1017	1017	1018	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1016
26	1017	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1018	1018	1019	1019	1019	1018
27	1019	1019	1019	1019	1019	1019	1020	1020	1021	1021	1021	1020	1020	1019	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019
28	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1018	1017	1017	1018
29	1017	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1016	1016	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1016
30	1013	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013	1013	1013	1012	1011	1011	1011	1010	1010	1010	1010	1011	1011	1011	1012
31	1010	1010	1010	1009	1009	1010	1010	1011	1010	1010	1010	1009	1009	1008	1007	1007	1006	1006	1006	1006	1006	1007	1007	1007	1008
Avg	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1017	1017	1016	1016	1016	1015	1015	1015	1016	1016	1017	1016	1016	1016
S D	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Min	1003	1004	1004	1004	1004	1003	1003	1002	1002	1002	1003	1002	1001	1001	1001	1001	1002	1002	1001	1001	1001	1003	1003	1003	1005
Max	1025	1025	1024	1025	1025	1026	1026	1027	1028	1029	1029	1029	1029	1029	1028	1027	1027	1027	1027	1027	1027	1027	1027	1026	1026
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