

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

July 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	3	38	146	345	538	703	836	921	922	859	743	601	415	228	71	8	0	0	0	0	7376	
2	0	0	0	0	2	46	199	324	355	126	147	599	863	814	711	559	398	208	47	7	0	0	0	0	5406	
3	0	0	0	0	1	44	174	349	540	698	821	887	893	845	729	555	390	222	60	1	0	0	0	0	7210	
4	0	0	0	0	2	39	157	315	490	653	775	854	754	394	71 ?	159	205	149	59	12	0	0	0	0	5088	
5	0	0	0	0	3	42	173	347	529	689	791	848	707	625	703	541	229	201	55	4	0	0	0	0	6487	
6	0	0	0	0	3	49	199	379	526	733	854	946	879	904	799	530	320	208	85	7	0	0	0	0	7420	
7	0	0	0	0	1	34	141	299	463	626	724	773	881	819	728	600	435	245	67	14	0	0	0	0	6850	
8	0	0	0	0	1	34	123	260	359	522	795	879	882	826	743	581	388	196	58	10	0	0	0	0	6658	
9	0	0	0	0	2	37	167	332	522	677	759	761	624	701	710	573	410	226	57	4	0	0	0	0	6562	
10	0	0	0	0	1	11	72	299	461	270	705	791	660	798	397	348 ?	?	29 ?	17	5	0	0	0	0	4865 ?	
11	0	0	0	0	1	11	24 ?	105	324	347	462	639	783	813	525	473	393	264	87	8	0	0	0	0	5258	
12	0	0	0	0	2	58	217	402	579	732	874	936	995	862	835	663	474	267	100	9	0	0	0	0	8006	
13	0	0	0	0	1	45	178	405	427	621	729	907	790	863	620	530	401	188	51	3	0	0	0	0	6758	
14	0	0	0	0	1	17	79	121	398	528	746	375 ?	108 ?	95 ?	135	191	156	159	94	17	0	0	0	0	3219	
15	0	0	0	0	0	18	100	268	502	498	438	694	467	452	290	305	157	249	45	8	0	0	0	0	4489	
16	0	0	0	0	0	33	150	154	287	632	810	860	930	869	675	495	389	200	54	1	0	0	0	0	6539	
17	0	0	0	0	0	45	176	360	558	720	843	910	916	866	743	587	411	228	69	4	0	0	0	0	7436	
18	0	0	0	0	0	34	93	305	481	388	497	855	923	877	766	531	282	185	17	1	0	0	0	0	6236	
19	0	0	0	0	0	9	91	150	439	647	704	839	796	804	741	497	341	244	73	5	0	0	0	0	6381	
20	0	0	0	0	0	25	161	347	538	698	803	433	206 ?	266	543	424	48	48 ?	0 ?	0	0	0	0	0	4539 ?	
21	0	0	0	0	0	21	143	264	438	654	656	720	289	729	641	586	397	137	59	7	0	0	0	0	5742	
22	0	0	0	0	0	33	150	279	546	634	862	922	946	593	538	547	236	172	46	4	0	0	0	0	6508	
23	0	0	0	0	0	42	190	254	602	587	865	578	91 ?	520	515	442	228	119	67	3	0	0	0	0	5104	
24	0	0	0	0	0	7	85	193	237	232	443	480	121 ?	115	73	69	60	38	21	3	0	0	0	0	2175	
25	0	0	0	0	0	17	107	124	158	246	628	499	511	438	121 ?	263 ?	205 ?	30 ?	30	4	0	0	0	0	3382 ?	
26	0	0	0	0	0	6	17 ?	48	85 ?	143	295	261	373	493	473	341	241	198	32	3	0	0	0	0	3009	
27	0	0	0	0	0	35	168	302	514	582	739	789	665	720	639	496	132	60	21	13	0	0	0	0	5876	
28	0	0	0	0	0	33	121	333	519	686	798	861	860	813	712	577	396	205	49	3	0	0	0	0	6966	
29	0	0	0	0	0	30	157	346	534	702	835	907	918	859	757	596	412	219	58	3	0	0	0	0	7332	
30	0	0	0	0	0	31	165	363	556	720	843	908	915	868	705	607	416	222	62	0	0	0	0	0	7380	
31	0	0	0	0	0	24	149	336	527	689	818	849	705	616	397	571	414	228	51	9	0	0	0	0	6382	
Avg	0	0	0	0	1	31	138	281	453	561	706	757	690	681	573	479	313	180	54	6	0	0	0	0	5892	
S/D	0	0	0	0	1	14	49	94	125	185	181	185	278	230	225	148	120	71	23	4	0	0	0	0	1476	
S/A	0	0	0	0	1.27	0.45	0.35	0.33	0.28	0.33	0.26	0.24	0.4	0.34	0.39	0.31	0.38	0.39	0.43	0.75	0	0	0	0	0.25	
Min	0	0	0	0	0	6	17	48	85	126	147	261	91	95	71	69	48	29	0	0	0	0	0	0	2175	
Max	0	0	0	0	3	58	217	405	602	733	874	946	995	904	835	663	474	267	100	17	0	0	0	0	8006	
n	0	0	0	0	20	358	355	371	368	372	372	365	348	368	362	361	356	346	368	103	0	0	0	0	0	5193

Daylight Data Recovery: 0.0% missing; 2.4% exceed the 15% QC threshold -- 5318 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

July 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	2	12	259	487	570	634	678	663	618	572	531	438	297	97	3	0	0	0	0	5861
2	0	0	0	0	0	31	206	167	44	1	1	204	390	399	400	382	359	210	16	0	0	0	0	0	2807
3	0	0	0	0	0	61	211	325	437	502	558	574	548	565	513	439	381	287	89	0	0	0	0	0	5488
4	0	0	0	0	0	35	132	212	317	400	445	471	350	138	0	1	50	103	49	1	0	0	0	0	2703
5	0	0	0	0	0	56	236	370	476	530	502	467	298	261	417	342	105	171	57	1	0	0	0	0	4288
6	0	0	0	0	0	129	359	502	504	633	708	719	620	739	693	394	194	207	201	14	0	0	0	0	6614
7	0	0	0	0	0	28	113	203	274	336	343	364	506	495	530	536	513	417	120	11	0	0	0	0	4788
8	0	0	0	0	0	12	87	89	102	203	406	501	530	512	534	461	350	212	44	3	0	0	0	0	4045
9	0	0	0	0	0	42	224	328	410	424	320	224	123	312	459	443	409	288	79	3	0	0	0	0	4089
10	0	0	0	0	0	3	102	176	4	176	246	134	412	79	77	0	0	0	0	0	0	0	0	0	1408
11	0	0	0	0	0	0	0	1	28	9	22	112	268	361	115	155	325	488	314	8	0	0	0	0	2208
12	0	0	0	0	0	281	482	536	554	585	634	668	788	647	810	771	726	530	322	13	0	0	0	0	8346
13	0	0	0	0	0	134	357	442	144	234	323	483	372	479	276	378	338	121	5	0	0	0	0	0	4087
14	0	0	0	0	0	0	0	4	92	163	263	22	0	0	1	2	2	23	53	0	0	0	0	0	627
15	0	0	0	0	0	0	1	73	209	214	47	225	118	141	3	84	25	487	47	5	0	0	0	0	1680
16	0	0	0	0	0	15	149	2	34	361	517	553	704	640	473	373	403	237	78	0	0	0	0	0	4541
17	0	0	0	0	0	125	383	553	656	705	728	743	740	713	653	600	527	416	208	3	0	0	0	0	7754
18	0	0	0	0	0	33	65	242	258	46	106	448	417	404	437	315	39	80	0	0	0	0	0	0	2889
19	0	0	0	0	0	0	23	1	138	251	262	414	443	504	518	328	204	261	141	0	0	0	0	0	3489
20	0	0	0	0	0	41	234	350	486	596	585	129	3	15	115	161	0	0	0	0	0	0	0	0	2715
21	0	0	0	0	0	4	77	73	171	319	270	269	37	333	373	486	372	135	102	0	0	0	0	0	3022
22	0	0	0	0	0	32	301	338	569	508	710	739	724	314	267	368	74	148	19	0	0	0	0	0	5113
23	0	0	0	0	0	184	496	259	647	445	648	105	1	103	179	262	96	71	63	0	0	0	0	0	3557
24	0	0	0	0	0	0	7	5	14	2	8	99	0	0	0	0	0	0	0	0	0	0	0	0	136
25	0	0	0	0	0	0	4	1	1	3	101	69	82	83	0	17	8	0	0	0	0	0	0	0	372
26	0	0	0	0	0	0	0	0	0	1	2	1	3	77	74	76	26	201	13	0	0	0	0	0	476
27	0	0	0	0	0	10	94	259	394	216	347	341	217	329	291	274	0	1	2	0	0	0	0	0	2775
28	0	0	0	0	0	56	122	404	492	569	571	567	536	526	526	524	469	335	103	0	0	0	0	0	5800
29	0	0	0	0	0	75	314	503	596	669	732	770	775	757	725	662	591	457	218	0	0	0	0	0	7844
30	0	0	0	0	0	116	416	621	713	764	789	785	781	770	591	620	593	352	122	0	0	0	0	0	8033
31	0	0	0	0	0	23	251	458	568	609	640	575	380	296	193	518	515	367	65	0	0	0	0	0	5459
Avg	0	0	0	0	0	49	173	248	322	351	400	405	373	385	349	341	262	223	85	2	0	0	0	0	3968
S D	0	0	0	0	0	65	155	195	228	244	254	245	273	236	245	214	224	164	88	4	0	0	0	0	2311
S/A	0	0	0	0	3.65	1.32	0.9	0.79	0.71	0.7	0.64	0.6	0.73	0.61	0.7	0.63	0.85	0.73	1.04	1.91	0	0	0	0	0.58
Min	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	136
Max	0	0	0	0	0	281	496	621	713	764	789	785	788	770	810	771	726	530	322	14	0	0	0	0	8346
n	0	0	0	0	20	359	370	372	372	371	372	372	370	372	372	372	371	371	372	103	0	0	0	0	5311

Daylight Data Recovery: 0.0% missing; 0.1% exceed the 15% QC threshold -- 5318 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

July 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	4 ?	38	142	216	212	227	235	234	246	259	245	220	180	125	56	8	0	0	0	0	2648
2	0	0	0	0	4 ?	43	143	252	331	130	153	388	464	429	365	287	207	137	46	8	0	0	0	0	3385
3	0	0	0	0	1	37	116	194	248	284	294	308	336	298	285	242	187	124	45	1	0	0	0	0	2999
4	0	0	0	0	3 ?	36	123	218	284	324	356	378	393	228	63	163	176	113	53	13	0	0	0	0	2925
5	0	0	0	0	4 ?	36	106	169	209	248	313	371	403	374	338	293	168	144	45	4	0	0	0	0	3224
6	0	0	0	0	?	36	95	131	175	192	169	208	234	177	191	226	203	136	54	7	0	0	0	0	2235
7	0	0	0	0	1	32	113	206	288	358	408	399	362	337	267	214	159	103	51	14	0	0	0	0	3312
8	0	0	0	0	1	33	102	220	291	348	413	378	354	342	290	258	206	123	51	10	0	0	0	0	3420
9	0	0	0	0	1	31	110	180	251	323	444	508	482	393	306	256	189	129	44	4	0	0	0	0	3652
10	0	0	0	0	1	11	73	255	338	273	527	522	506	393	329	183	?	25	17	5	0	0	0	0	3457
11	0	0	0	0	?	11	20	109	311	346	442	509	485	444	416	342	212	91	37	8	0	0	0	0	3782
12	0	0	0	0	?	30	91	138	192	233	257	237	180	208	122	101	82	79	51	9	0	0	0	0	2011
13	0	0	0	0	?	30	82	180	316	405	398	400	381	369	359	230	195	135	50	4	0	0	0	0	3534
14	0	0	0	0	?	17	81	119	325	378	458	286 ?	87 ?	88	139	194	161	156	85	22 ?	0	0	0	0	2597
15	0	0	0	0	0	19	103	233	356	315	389	443	349	321	295	242	148	79	39	9	0	0	0	0	3342
16	0	0	0	0	0	34	117	158	261	327	320	297	216	250	263	223	176	117	43	1	0	0	0	0	2806
17	0	0	0	0	0	31	75	104	128	146	162	167	167	180	180	159	134	89	39	4	0	0	0	0	1763
18	0	0	0	0	0	34	73	192	309	346	392	395	476	458	363	298	264	157	18	1	0	0	0	0	3775
19	0	0	0	0	0	10	86	154	348	433	447	413	336	308	285	251	228	157	54	6	0	0	0	0	3515
20	0	0	0	0	0	24	98	187	218	212	256	309	108	251	445	304	49	42 ?	0 ?	0	0	0	0	0	2504
21	0	0	0	0	0	23	123	233	323	384	387	432	254	401	316	234	194	88	46	8	0	0	0	0	3445
22	0	0	0	0	0	31	89	164	165	212	200	185	214	275	315	276	190	127	44	4	0	0	0	0	2490
23	0	0	0	0	0	24	60	131	171	208	245	422	80 ?	405	344	245	185	102	58	4	0	0	0	0	2687
24	0	0	0	0	0	7	84	195	231	242	440	371	116	120	78	70	62	40	22	3	0	0	0	0	2080
25	0	0	0	0	0	19	110	128	164	255	523	430	429	361	106	245 ?	169	20	31	5	0	0	0	0	2995
26	0	0	0	0	0	8	17	49	71	147	299	270	385	416	408	285	229	134	32	3	0	0	0	0	2752
27	0	0	0	0	0	37	135	188	255	396	403	438	441	398	387	292	137	62	22	13	0	0	0	0	3605
28	0	0	0	0	0	32	87	152	200	227	264	290	306	300	258	214	156	100	37	3	0	0	0	0	2628
29	0	0	0	0	0	24	79	118	151	163	157	143	141	135	138	132	106	74	31	4	0	0	0	0	1596
30	0	0	0	0	0	23	62	81	94	103	112	129	132	133	193	171	109	106	46	0	0	0	0	0	1494
31	0	0	0	0	0	25	86	131	162	201	226	282	323	336	242	218	155	114	44	9	0	0	0	0	2555
Avg	0	0	0	0	1	27	93	167	238	270	325	340	303	303	269	228	167	104	42	6	0	0	0	0	2878
S D	0	0	0	0	1	10	29	50	78	89	116	108	132	104	103	61	49	38	16	5	0	0	0	0	648
S/A	0	0	0	0	1.7	0.37	0.32	0.3	0.33	0.33	0.36	0.32	0.44	0.34	0.38	0.27	0.29	0.36	0.37	0.77	0	0	0	0	0.23
Min	0	0	0	0	0	7	17	49	71	103	112	129	80	88	63	70	49	20	0	0	0	0	0	0	1494
Max	0	0	0	0	4	43	143	255	356	433	527	522	506	458	445	342	264	157	85	22	0	0	0	0	3782
n	0	0	0	0	10	346	368	372	372	372	372	367	363	371	371	365	359	365	368	102	0	0	0	0	5244

Daylight Data Recovery: 0.0% missing; 1.4% exceed the 15% QC threshold -- 5318 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

July 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	19.2	18.5	18.1	17.7	17.3	17.4	18.6	20.8	23.9	26	27.5	28.8	29.5	29.9	30.1	29.3	28.1	27.1	26.2	25.1	24.2	23.6	23.2	23.2	23.9
2	23	22.2	21.9	21.7	21.5	21.5	23	24.5	25.8	25.9	24.6	27.2	29.9	30.8	30.9	30.8	30.4	29.9	29	27.6	26.4	25.9	25.3	24.9	26
3	24.4	24.2	23.9	23.3	22.8	22.7	23.9	25.3	26.5	28.7	29.8	31.2	31.6	32.3	33	33.7	33	31.6	30.8	29.3	28.3	27.6	27	26.4	28
4	25.8	25.2	24.7	24.3	23.8	23.6	24.4	26.4	29.5	31.3	32.7	33.2	33.4	33.1	30.4	30	30.7	30.7	30.5	29.6	28.7	28	27.3	26.8	28.5
5	26.1	25.7	25.1	24.6	24.3	24.3	25.4	26.8	28.4	30.5	32.6	33.1	33.7	32.8	33	32.1	30.7	30.4	29.5	28.5	27.1	26.3	25.6	25	28.4
6	24.5	24.2	23.9	23.1	22.6	22.5	23.3	25.2	25.8	26.5	27	27.3	28	28.3	29	27.7	26.7	26	25.7	24.7	23.2	21.7	21	20.3	24.9
7	19.8	19.5	18.8	18.6	18.2	18.3	19.4	21.6	23.9	25.9	27.6	28.1	29.4	30	30.6	30.1	29	28.6	27.5	26.1	24.9	24	23.4	23	24.4
8	22.5	22	20.9	20.7	19.9	19.8	20.7	22.2	23.7	25.1	27.2	28.5	30	30.5	30.8	30.5	30.2	29.3	28.3	26.5	25.2	24.6	24.2	23.6	25.3
9	23.3	22.9	22.6	22.6	22.6	22.4	23.3	24.9	26.4	28	29.3	30.1	30.7	31.9	32.9	33	33.1	32.3	31.2	30	28.9	27.9	27	26.5	27.7
10	26.5	26.5	26.3	25.8	25.6	25.3	25.2	26.1	27	27.1	28.5	28.8	30.4	31.6	31.4	31.5	24.1	22.6	22.7	22.7	22.9	23	23.1	22.9	26.1
11	22.7	22.6	22.7	22.7	22.6	22.7	22.9	22.1	22.3	23.4	24.3	24.5	24.7	24.5	24.1	23.9	23.6	23.1	22.3	21	20.2	19.4	18.6	17.6	22.4
12	16.8	16.7	16.8	15.8	15.6	15.7	18.1	21.2	22.9	23.7	24.2	24.4	24.9	25.2	25.2	25.1	24.9	24.1	23.2	21.9	21.2	20.7	20.4	20.2	21.2
13	20.2	20.1	20.2	19.9	19.5	19.4	21.5	23.3	24.7	25.7	26.5	27.3	27.5	27.8	27.9	27.6	27.3	26.2	25.6	25.2	24.8	24.4	24.1	24.1	24.2
14	24.1	24	23.9	23.9	24	24.2	24.5	24.9	26.1	27	27.4	26.7	24.6	23.2	22.9	23.6	24.1	24.3	24.4	23.7	23.4	23.4	23.3	23.2	24.4
15	23.3	23.1	22.9	22.9	22.4	22.1	22.7	24	25.3	25.9	26.3	27.7	28.1	28.5	27.7	28.4	27.6	27.5	26.4	25.2	24.4	24.1	23.8	23.5	25.2
16	23.4	23.6	23.5	23.3	23.2	23.2	23.6	24.9	26	27.8	30.2	31.6	32.2	33.1	33.7	33.4	32.9	32.4	31.1	29.1	28.3	27.7	26.7	26.3	28
17	25.2	23.8	23.4	22.7	22.5	22.1	24.7	27.9	29.7	31.6	32.4	32.8	33.1	33.4	33.7	33.7	32.4	31.6	30.2	28.5	27.5	26.5	25.8	25.3	28.4
18	24.9	24.7	24.6	24.3	24	24	24.4	25.8	28	29	30	31.5	33	33.9	34.3	34.2	33.3	32.3	30.7	29.8	29.2	28.1	27.7	27.7	28.7
19	27.4	27	26.6	26.5	26.2	25.9	26.2	26.7	27.4	28.1	29.4	30.5	31.3	32.1	33	32.9	32.7	32.2	31.5	30.2	29.1	28.4	26.4	25.7	28.9
20	23.9	22.4	22.3	22.4	22.6	22.9	23.7	25.4	27.4	29.3	31	31.1	27.1	24.1	25.3	28	26.4	25.3	24.7	23.7	23.7	23.6	23.5	23.7	25.2
21	23.6	23.4	23.3	23.1	23.2	23.2	23.6	24.7	26.4	27.3	27.7	28.1	27.1	28	28.5	28.5	27.8	26.5	25.8	25	24.5	24.3	24.1	23.3	25.5
22	22.9	22.3	22	21.6	21.4	22	23.3	25.6	26.8	27.7	28.3	29.5	30.1	30.3	30.5	30.6	29.5	28.9	27.7	26.7	26	25.5	25.6	25.7	26.3
23	25.6	25.4	25.2	24.8	24.6	24.6	25.9	26.9	27.6	28.1	29	28.9	23.3	24.7	27.1	28.1	27.9	28.2	27.9	27.1	26.6	25.7	25.6	25.4	26.4
24	25.2	24.9	24.6	24.2	24	24	24.3	25.1	25.8	26.4	27.4	28.5	25.7	23.4	23.5	23.2	23	23.1	23.6	23.6	23.4	23.7	24.1	24.2	24.5
25	24.1	23.8	23.6	23.4	23.2	23.1	23.3	23.9	24.4	25.1	26.7	27.9	28.8	28.5	26	24.5	24.9	24.4	24.1	23.9	23.7	23.4	23.4	23.2	24.7
26	23.1	23.3	23.3	23.4	23.4	23.4	23.6	23.7	22.8	23.1	23.9	24.2	25.5	27.1	28	27.3	26.3	25.5	25	24.5	24.5	24.3	23.9	23.6	24.4
27	23.3	23.1	23.2	23	22.6	22.7	23.7	25.1	26.4	27.8	28	28.6	29.2	29.9	30.4	30.9	30.1	27	24.5	23.9	23.5	23.1	23.2	22.7	25.7
28	22.4	22.5	22.6	22.7	23	23	23.5	25.5	27.1	28.8	30.1	31.1	32.1	33	33.6	33.8	33.7	33.4	32	30.5	29.8	29.3	28.7	28.1	28.3
29	27.6	27.3	27	26.6	26.2	25.9	26.5	27.8	29.3	30.6	31.7	32.8	33.5	34	34.4	34.6	34.5	34	32.6	31.1	30.3	29.7	29.3	28.8	30.3
30	28.1	27.7	27.5	27.2	26.7	26.5	27.1	28.4	30.1	32.1	32.7	33.3	34	34.6	35	35.4	35.1	34.7	33.3	31.4	30	29.1	28.6	27.6	30.7
31	27	26.7	26.1	26.1	26.1	25.9	27.1	29.2	30.6	31.5	31.9	32.9	32.9	32.5	31.8	31.6	30.6	30.3	29.1	28	27	26	25.7	25.3	28.8
Avg	23.9	23.5	23.3	23	22.8	22.7	23.6	25	26.4	27.6	28.6	29.4	29.5	29.8	30	29.9	29.2	28.5	27.6	26.6	25.8	25.3	24.8	24.4	26.3
S D	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.1	2.2	2.4	2.6	2.6	3.1	3.4	3.5	3.5	3.5	3.5	3.2	2.9	2.7	2.5	2.4	2.4	2.3
S/A	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.08	0.08	0.09	0.09	0.09	0.1	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.1	0.1	0.1	0.1	0.09
Min	16.8	16.7	16.8	15.8	15.6	15.7	18.1	20.8	22.3	23.1	23.9	24.2	23.3	23.2	22.9	23.2	23	22.6	22.3	21	20.2	19.4	18.6	17.6	21.2
Max	28.1	27.7	27.5	27.2	26.7	26.5	27.1	29.2	30.6	32.1	32.7	33.3	34	34.6	35	35.4	35.1	34.7	33.3	31.4	30.3	29.7	29.3	28.8	30.7
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

July 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	102.4	103.1	103.9	104.4	104.5	104.8	?	104.6 ?	89.8	72.3	55.8	44.5	41.4	43.6	43.2	51.7	61.1	63.9	67.5	71.5	78.9	82.8	87.2	89.5	77.1
2	91.5	95.7	97.7	99.2	98.4	98.3	91.2	85.3	80	82	94	82.8	68.8	62	60.4	61.8	61.9	71.1	73.2	67.1	71.2	81.2	86.4	92.7	81.4
3	96.6	95.2	95.7	97.9	98.2	98	93.4	86.6	82.9	76.5	74.7	71.2	68.9	63	59.7	57.1	60.8	68.5	75.3	82.3	88	91.1	93.5	94.9	82.1
4	95.2	96.4	97.8	98.7	99.8	99.9	97.2	91	79	72.7	69	66.8	67.2	62.7	72.1	80.7	81.8	81.9	81.6	86.1	90.9	94	97.2	96.5	85.7
5	98.1	99	100	101.7	102.6	103.1	100.3	90.8	83.5	76	68.1	68.2	66.9	69.4	68.8	72.7	74	74.7	79	85.9	96.3	100.9	101.1	98.3	86.6
6	95	87.5	87.7	91.9	94.4	92.9	92.1	81.7	77.6	69.2	60.7	57.1	54.6	48.8	45.3	53.9	58.8	65.1	65.5	67.5	76.3	85.4	88.3	90.8	74.5
7	93.1	93.3	95.2	96	98	98	94.4	86.5	78.3	69	59.3	51.9	45.7	43	43.1	47.7	53.6	54.5	58.1	65.1	72.7	78.5	80.6	83.3	72.5
8	87.2	90.1	95.2	95.7	98.8	98.7	95	85.7	79	74.2	65.6	58.4	50.9	42.2	41.5	45.8	49.3	58.7	55.8	67.6	77.6	83.3	88.4	92.5	74
9	94.7	97	99.5	101.4	102.1	102.7	101.9	97.2	88.9	79.5	72.5	68.8	64.7	56.2	51.6	51.2	49.2	56.9	60.6	63.3	77.8	83.2	86.6	89.5	79
10	88.6	87.9	88.9	90.9	91.7	92.9	93.8	90.7	87.2	86.7	79.4	79.6	73.7	70.9	67.9	66.6	95.9	103.6	103.4	103	104.1	104.5	102.8	102.4	89.9
11	103.3	104.2	104.5	104.7	104.9	104.1	102.4	97.4	93.4	86.7	82.7	80.4	79.3	77.8	76.7	75.2	72.7	69.6	72	76.6	81.6	85.8	89.6	93.7	88.3
12	97.4	96.4	92.8	94.9	96.7	95.6	86.9	75.8	65.4	60	56.4	56.5	54.7	55.7	55	55.3	57.4	60.2	64.2	72	75.6	77.9	82.5	87.2	73.9
13	91.1	93.3	95.1	97.5	98.6	99.5	96.5	93.4	86.3	76.7	73.8	69	71.2	72.4	72	73.5	71.7	77.6	80.1	82.6	88.1	91.6	94.4	96.1	85.1
14	98.4	99.5	100.3	100.9	102	101.8	101	100.4	95.7	90	89.8	91.7	101.9	103.5	104.4	102.9	100.5	99.4	98	100.9	103.5	103.9	104	104.3	99.9
15	104.3	103.4	102.9	102.8	103	102.4	100.6	95.3	87.9	85.5	83.9	76.9	74.5	75.1	80	77.3	85.3	87.5	90.2	92.3	97.1	98.8	99.4	101.8	92
16	104.1	104.9	?	?	?	?	?	101.3	96.4	89	76.4	65.2	58.2	53.8	51.1	51.3	53.1	54.4	61.8	73.2	77	78	84.7	84.5	74.7 ?
17	88	96.3	96.3	98.8	99.8	102.1	96.8	81	67.4	52.1	45.4	42.4	41.8	42.2	42.7	45.2	54.4	58.9	64.3	71	73.3	79	80	84.2	71
18	88.6	91.7	94.9	95.5	97	99.5	100.2	96	87.1	81.3	79	73	63	55.1	47.7	52.5	62	67.9	81	86.7	89.1	85.1	88.8	90.1	81.4
19	89.8	90.1	92.5	90.4	88.9	91	94.4	94.1	92.9	89.4	85.1	80.6	76.1	73.6	70.2	68.9	68.8	69.5	71.4	77.2	85.3	84.8	88.2	91.1	83.5
20	97.9	101.5	102.4	102.8	103.4	102.1	101	97.1	89.1	79.9	73.2	72.8	91.3	100.9	91.1	79.9	86.8	92.8	97.5	102.2	103.8	103.4	104.2	104.1	95
21	103.2	104.2	104.4	104.6	104.9	104.9	104.7	102.4	93.5	86.4	82.9	80.4	86.6	81.2	76.2	76.2	80	85.8	91.4	96.4	98.9	99.9	99.7	102.2	93.8
22	103.4	104.3	104.7	104.9	105 ?	?	104.4 ?	98.1	89.5	82.1	76.7	70.6	70.8	67	70.8	77.2	84	81.1	80	86.3	93	97.1	98.7	98	89
23	98	98.1	97.9	99.9	101.5	102.1	98.9	92.6	87.1	82.1	77.2	79.1	102.1	99.9	92	86.6	89.9	85.9	85.2	87.1	89.1	95.3	96.3	96.4	92.5
24	96.8	97.7	98.1	99.3	99.9	100	99.7	97.4	96.2	94.9	90.2	82.8	93.3	102.9	103	103.4	104.5	104.6	104.4	104	104.6	104.8	104.7	104.7	99.7
25	103.9	104	104.3	104.6	104.7	104.6	104.5	103.1	101	97.9	92.4	86.5	82.4	84.4	95.8	102.9	100.4	100.8	101.3	101.2	101.7	102.8	102.8	103.1	99.6
26	103.8	103.5	102.6	102.3	101.7	101.8	101.9	102.1	103	103.6	101.4	100.9	98.2	91	86.2	89.6	95	97.4	99.7	101.7	102.6	102.5	103.2	104.3	100
27	104.8	105 ?	?	?	?	?	104.9 ?	100.6	95.4	91	90.8	87.9	87	83.7	82.6	80.6	85.9	91.3	100.3	101.3	101.8	102.1	100.7	101.9	95 ?
28	102.7	103.1	103.5	103.2	102.1	101.9	101.1	95.8	91	86.2	85.8	82.7	80.1	76	72.9	71.9	72.1	75.9	81.2	85.5	87.7	89.5	94	97.7	89.3
29	99	99.5	99	99	99.2	99.8	98.8	95.7	90.7	86.5	80.5	74.2	72	68.6	65.8	64.7	65.1	69.4	76.1	79.2	78.8	81.6	82.1	84.9	83.8
30	89.6	92.4	93.9	96	98.1	99.2	97.1	92	83.1	70.5	68.8	67.3	63.8	61.1	58.7	56.5	57	59.8	66.5	75.1	81.8	84.7	86.8	91.9	78.8
31	94.1	95.8	97.4	99.1	98.5	99.2	90.1	73.6	67.7	65.9	66.4	60.9	61	67.4	72.7	71.2	68.4	68.9	72.6	75.8	82	89	89.7	92.2	80
Avg	96.9	97.9	98.2	99.3	99.9	100	98.1	93.1	86.6	80.5	76.1	72	71.4	69.5	68.4	69.4	72.9	76.1	79.3	83.5	88.1	91.1	93.1	95	85.5
S D	5.7	5.3	4.7	4.2	3.9	3.6	4.7	7.9	9.2	11	12.7	13.3	16.5	18	18.1	16.8	16.5	15.4	14.6	12.9	10.9	9.3	7.8	6.6	8.8
S/A	0.06	0.05	0.05	0.04	0.04	0.04	0.05	0.08	0.11	0.14	0.17	0.19	0.23	0.26	0.26	0.24	0.23	0.2	0.18	0.15	0.12	0.1	0.08	0.07	0.1
Min	87.2	87.5	87.7	90.4	88.9	91	86.9	73.6	65.4	52.1	45.4	42.4	41.4	42.2	41.5	45.2	49.2	54.4	55.8	63.3	71.2	77.9	80	83.3	71
Max	104.8	105	104.7	104.9	105	104.9	104.9	104.6	103	103.6	101.4	100.9	102.1	103.5	104.4	103.4	104.5	104.6	104.4	104	104.6	104.8	104.7	104.7	100
n	372	365	348	348	340	336	332	361	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8756

Data Recovery: 0.0% missing; 1.9% 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

July 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	18.2	17.7	17.2	16.8	16.4	16.3	17.2	19.5	22.9	26.8	30.2	32.2	33.2	33.5	34.3	34.4	33.5	31.6	29.4	26.9	24.8	23.4	22.6	22.5	25.1
2	22.4	21.7	21	20.7	20.7	20.4	21.3	24	26.4	28	26.3	25.8	29.8	32.8	34.3	34.8	34.5	33.5	31.8	29.4	27.3	26.1	25.4	24.7	26.8
3	24.1	23.8	23.6	23.2	22.6	22.2	22.8	24.9	27.5	30.5	33.5	35.6	36.4	36.4	37.1	38.5	38.4	36.8	34.4	31.6	29.3	27.9	27	26.4	29.8
4	25.8	25.2	24.6	24.1	23.7	23.3	23.8	25.6	29	33	36.3	38.2	38.5	37.9	35.2	32.3	31.8	32.1	31.9	30.8	29.5	28.5	27.6	26.9	29.8
5	26.2	25.8	25.2	24.6	24.1	23.7	24.3	26.5	29.5	32.9	36.1	38	38.9	38.2	37.5	37.4	35.8	33.8	32.6	30.3	28.3	26.9	26.1	25.4	30.3
6	24.3	23.5	23.2	22.7	22.1	21.8	22.5	24.6	27	28.6	30.2	31	31.4	31.3	31.9	32.5	30.9	29.2	27.9	26	23.5	21.4	19.9	18.9	26.1
7	18.5	18	17.6	17.3	17.1	17	17.5	19.4	22.4	25.8	29	31.3	32.4	33.3	34.2	35	34.3	32.9	30.9	27.9	25.1	23.6	22.5	21.7	25.2
8	21.2	20.5	20	19.6	19.2	18.8	19	20.6	22.7	25	28	30.8	32.4	33.4	33.9	34.2	33.9	32.9	30.8	28.1	25.8	24.3	23.4	22.6	25.9
9	22	21.7	21.5	21.5	21.6	21.7	22.2	24	26.4	28.7	30.9	32.5	33.2	33.5	34.6	35.5	35.7	35.4	34.1	31.7	29.9	28.7	27.7	26.9	28.4
10	26.6	26.5	26.4	26.1	25.8	25.5	25.4	26	27.4	28.9	29.6	31.6	32.7	33.9	34.8	34.6	31.2	25.6	23.8	23.1	22.9	22.9	22.9	22.7	27.4
11	22.6	22.5	22.6	22.7	22.7	22.6	22.6	22.5	22.7	24.1	25.2	26.5	27.3	27.6	27.7	27.7	27.2	26.5	25.4	23.1	20.6	19.1	17.8	16.6	23.6
12	15.5	14.8	14.5	14.2	13.8	13.8	15.2	18.7	22.3	24.6	26.5	27.5	27.7	28	28.3	29.1	29.2	28.6	26.9	24.4	21.7	20.2	19.2	18.5	21.8
13	18.2	18.1	18.1	18.2	18.1	18.1	19.2	22	25	27.1	29.1	30.6	31.4	31.3	31.5	31.5	31.2	30.1	28.1	26.5	25.5	24.7	24.2	24	25.1
14	23.9	23.9	23.9	23.8	23.8	23.9	24.3	25	25.8	28	29.8	30.7	27.6	25.3	24.1	24	24.2	24.9	25.5	24.9	23.9	23.5	23.5	23.5	25.1
15	23.4	23.3	23.1	23	22.9	22.7	22.7	23.8	26.3	28.7	29.6	30.8	32.1	32.4	31.9	31.1	31.2	30.3	29.8	27.5	25.5	24.2	23.5	23.1	26.8
16	22.9	23	23.2	23.2	23.3	23.3	23.5	24.4	25.7	27.9	31.4	34.5	35.9	36.3	37.6	37.9	37.2	36	34.2	31.4	29	27.8	26.7	25.7	29.3
17	24.8	23.7	22.8	22	21.4	21	21.8	24.8	28.9	32.7	35.8	37.2	37.5	37.3	37.8	38.4	38.1	36.8	34.5	31.3	28.5	26.9	25.7	24.8	29.8
18	24.1	23.7	23.5	23.4	23.3	23.2	23.7	24.9	27.6	30.2	31.5	33.1	35.4	36.6	37.4	37.8	37.6	36.3	34.2	31.7	30.3	29.2	28.1	27.7	29.8
19	27.5	27.2	26.8	26.6	26.4	26	25.9	26.6	27.7	29.7	31.7	33.6	34.5	34.9	35.7	36.6	36.2	35.3	34.2	32.3	30.2	29	28	26.5	30.4
20	25.4	23.5	22.5	22.1	22	22.1	22.7	24.8	28	31.3	34.4	36.2	34.5	28.5	26.2	29.2	29.9	27.7	26.1	24.8	24	23.7	23.5	23.5	26.5
21	23.4	23.3	23.3	23.1	23	23	23.2	24.2	26.3	28.7	30.6	31.5	31.6	30.4	31.5	32.4	32.6	31.1	28.7	26.7	24.9	23.9	23.4	22.9	26.8
22	22.4	22	21.8	21.4	21	21	22	24.4	27.3	30.4	32.4	33.5	34.2	34	33.4	34.5	34	32.1	30.6	28.3	26.6	25.5	24.9	24.8	27.6
23	24.8	24.7	24.7	24.4	24	23.8	24.8	27.4	28.9	30.7	31.8	32.9	30.2	26	27.1	29.5	29.9	29.7	29.3	28.3	27.3	26.2	25.5	25.3	27.4
24	25.1	25	24.8	24.5	24	23.9	24.1	24.9	26	27.1	28.1	30.1	30.3	26.6	24.7	24.1	23.6	23.4	23.4	23.5	23.5	23.5	23.6	23.8	25.1
25	23.9	23.8	23.7	23.5	23.4	23.2	23.2	23.7	24.6	25.8	27.8	30.4	31.6	32.3	30.6	26.9	25.8	25.4	24.9	24.4	24	23.5	23.3	23.1	25.5
26	22.9	22.8	22.9	23.1	23.1	23.3	23.4	23.5	23.4	23.1	23.6	24.2	24.9	27.6	30.1	31	30.5	28.9	27.7	25.8	24.9	24.2	23.7	23.3	25.1
27	23.2	22.9	22.9	22.9	22.6	22.5	23	24.7	27.2	29.9	31.6	32.6	33.3	33.5	33.9	34.8	33.8	31.2	26.9	24.9	24	23.3	23	22.7	27.1
28	22.4	22.2	22.3	22.4	22.5	22.5	23	24.8	27.8	30.6	33.1	34.5	35.3	35.7	36.4	37.2	37.4	36.9	35.5	32.9	30.8	29.5	28.8	28.3	29.7
29	27.7	27.3	27	26.6	26.2	25.9	26.2	27.9	30.2	32.8	34.6	35.8	36.4	36.4	36.9	37.6	37.9	37.7	36.3	33.6	31.4	30.2	29.4	28.8	31.7
30	28.3	27.7	27.3	27	26.6	26.2	26.6	28.5	30.8	33.3	35.4	36.4	36.8	37	37.5	38.4	39.1	38.6	37.2	34.3	31.5	29.8	28.6	27.5	32.1
31	26.5	25.6	25.2	25	25.3	25.4	25.6	28	31.1	33.7	35.9	37.2	37.7	37.3	36.2	35.6	35.6	34.6	33	30.1	27.8	26.3	25.2	24.5	30.3
Avg	23.5	23.1	22.8	22.6	22.3	22.2	22.7	24.3	26.6	29	31	32.5	33.1	32.9	33	33.4	33	31.8	30.3	28.3	26.5	25.4	24.7	24.1	27.5
S D	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.4	2.5	2.9	3.3	3.5	3.5	3.8	4	4.1	4.2	4.1	3.9	3.3	3	2.9	2.8	2.8	2.5
S/A	0.12	0.13	0.13	0.13	0.13	0.13	0.12	0.1	0.09	0.1	0.11	0.11	0.1	0.12	0.12	0.12	0.13	0.13	0.13	0.12	0.11	0.11	0.11	0.12	0.09
Min	15.5	14.8	14.5	14.2	13.8	13.8	15.2	18.7	22.3	23.1	23.6	24.2	24.9	25.3	24.1	24	23.6	23.4	23.4	23.1	20.6	19.1	17.8	16.6	21.8
Max	28.3	27.7	27.3	27	26.6	26.2	26.6	28.5	31.1	33.7	36.3	38.2	38.9	38.2	37.8	38.5	39.1	38.6	37.2	34.3	31.5	30.2	29.4	28.8	32.1
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

July 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	0.2	0	0	0.2	0.1	0	0	0.2	0.7	0.8	1.2	1.4	1.7	1.5	1.9	2.7	3.2	3.1	1.6	1.4	1.5	1.1	0.6	0.7	1.1
2	0	0.1	0.4	0.5	0.6	0.2	0.9	1.5	1.4	0.7	0.5	1.4	2.2	2.4	2.9	3	3.1	2.5	1.7	1.7	1.2	1.6	1.6	1.1	1.4
3	1.4	1.7	1.7	1.4	1.3	0.8	1	1.7	1.4	1	1.1	1.4	2	2	1.7	1.3	2	2.8	1.5	1.2	1.5	1.6	1.9	1.7	1.5
4	1.5	1.5	1.3	1.4	0.6	1	1.1	0.5	0.3	0.4	0.8	2.1	2.3	1.9	1.8	1.7	1.7	2	0.9	1.5	1.5	1.6	1.7	1.7	1.4
5	1.4	1.6	0.9	0.7	0.2	0.1	1.2	1.2	0.6	0.6	1.1	1.6	1.9	3.3	3.3	3.4	2.6	2.3	1.7	0.8	1.5	1.7	2	1.2	1.5
6	1.2	1.9	1.8	1.4	1.9	2.2	1.9	2	3.4	2.9	3	3.5	3	3.4	2.8	3.6	3.2	2.8	2.5	1.5	0.3	0.3	0.2	1	2.2
7	0.5	0.8	0.7	1.2	1	0.9	1	1.3	1.2	1.2	0.9	1.3	1	1	1.3	1.9	2.6	1.9	1.2	0.6	1.6	1.2	1	1.3	1.2
8	0.7	0.7	1	1.3	0.8	0.7	0.7	1.5	0.9	1.6	1.6	1.8	1.4	2.4	2.7	2.9	2.4	2.2	1.5	1.6	1.7	1.5	1.5	1.3	1.5
9	1.3	1.4	1.1	1.3	1.6	1.7	2.6	3.3	4.2	3.8	4.2	4.3	4.3	4.6	4.6	5	4.6	3.2	3	2.6	3.2	3.8	3.7	3.7	3.2
10	3.9	3.6	3.6	3.8	3.9	3.8	3.4	4.1	3.9	4	3.2	4.3	2.9	2.4	2.6	2.8	3.7	3	2.6	1.2	1.4	2.1	1.8	1.2	3
11	1.3	0.3	0	0.5	1.4	2.6	3.3	3.9	4	4.4	4.4	5	5.2	5.6	4.8	4.2	4.3	4.3	3.7	2.4	1.5	1	0.7	0.5	2.9
12	0.9	1	1	1.2	1.3	1.2	1.1	1.5	3.6	4	4.1	4.2	3.4	3.5	3.3	3.3	3.1	2.9	2.4	1.6	1.3	0.7	0.3	0.6	2.1
13	0.4	0.6	1	0.6	0.6	0.8	1.6	2.2	2.3	2.4	2.5	3.2	4	4.1	4.2	4.5	4.4	4.3	3.3	2.7	2.3	1.7	1.2	1.6	2.3
14	1.3	0.9	1.5	1.6	1.3	1.8	2.1	2.6	3.6	3.8	3.9	3.7	2.3	2.1	1.3	2.5	1.9	2.1	2.6	1.9	1.9	1.9	2	2.4	2.2
15	2	2	1.7	0.5	1.2	0.8	0.7	0.5	1.5	1.4	0.9	1	0.7	1.1	1.4	0.7	2	2.3	2.4	2.4	1.3	1.7	1.5	1.2	1.4
16	1.6	1.7	1.4	1.4	1.1	1.1	1.3	1.5	1.5	2.2	1.6	1.4	1.8	1.7	1.6	1.7	2.1	1.5	0.7	1.3	1.1	1	0.7	0.9	1.4
17	0.1	0.3	0.4	0.2	0.4	0.5	0	0.5	0.6	0.6	1.2	1.4	1.3	1.2	1.5	1.6	2	2	1.5	1.8	1.7	1.3	1.2	1.2	1
18	1.1	1.3	1.6	1.6	1.4	1.6	1.9	2	2	2.1	1.7	2.2	3.2	3.4	3.7	2.7	1.6	2.2	1.6	1.9	1.8	0.6	1.1	1.9	1.9
19	1.9	1.9	1.8	2	2.2	1.9	2.4	2.9	3.7	3.9	2.1	2.8	2.9	3.2	3.1	3.3	3	3	1.9	1.5	1.3	2.6	2	0.7	2.4
20	2.8	1.2	1.3	0.6	1.1	1	0.8	1.1	1.2	0.8	1.1	1.2	1.5	3.6	2.7	1.5	1.6	1.6	1.7	1.6	2.8	0.6	0.1	1.3	1.5
21	0.3	0.5	0.5	0.8	0.5	0.5	1.3	1.8	2.6	3.3	3.1	3.2	3.2	3.2	3.2	3.2	3.3	2.9	2	1.4	1	1	0.3	0.1	1.8
22	0.2	0.2	0	0	0.2	0.2	0	0.3	0.8	1	1.6	1.7	2.1	1.7	1.6	3	2.7	3.1	2	1.4	0.7	0.6	1.4	1.6	1.2
23	1.9	2.1	1.7	1	0.4	0.1	1	2.6	3.1	3.4	3.9	3.7	2.6	2.2	2.8	3.3	2.7	3.3	3	2.7	2.5	2.3	2.2	2.5	2.4
24	3	2.5	2.6	2.6	1.9	1.9	1.3	2.3	2.5	2	1.9	1.9	1.8	1	0.5	1.3	1	1.1	0.9	1.1	0.3	0.6	0.3	0.6	1.5
25	1.3	1.4	0.3	0.7	0.4	0.6	0.9	1.1	0.6	0.4	1	1.2	1.5	2.5	2.6	1.6	2.7	2	1.6	1	0.8	0.7	0.7	0.3	1.2
26	0	0.4	0.7	0.9	1.1	0.7	1.3	1.2	2.2	1.2	1.9	2	1.5	1.2	1.4	2.2	2.8	2.9	1.8	1.1	0.2	0.2	0	0	1.2
27	0.1	0	0.1	0	0.1	0	0.1	1.1	1.8	1.8	2.4	2	2.2	2.5	2.3	2.6	1.8	2.3	1.6	1.9	1.9	2.4	2.2	1.3	1.4
28	1.2	1	1.5	1.2	1.1	0.6	0.9	1.3	2.1	1.6	2.2	2.5	2.5	2.8	2.8	3.3	2.9	2.1	1.7	1.7	1.8	1.8	2.1	2.2	1.9
29	2.6	2.8	2.8	2.4	2.4	2.3	2.4	2.4	2.4	2.6	3	3	3.6	3.8	3.7	3.5	3.1	2.4	2.5	2.4	2.4	2.5	1.9	1.8	2.7
30	2.1	2.3	2.3	2.1	2.1	2.1	2.3	2.7	3	2.9	2.9	3.4	3.4	3.7	3.9	3	2.7	1.9	1.2	0.9	1.2	1.5	0.5	0.2	2.3
31	0	0	0.1	0.8	0.3	0.2	1.2	1.7	1.8	1.5	1.8	1.8	2	2.6	3	3.3	3.4	2	1.5	0.6	0.3	0.3	0.2	0.1	1.3
Avg	1.2	1.2	1.2	1.2	1.1	1.1	1.3	1.8	2.1	2.1	2.2	2.4	2.4	2.6	2.6	2.7	2.7	2.5	1.9	1.6	1.5	1.4	1.2	1.2	1.8
S D	1	0.9	0.9	0.8	0.8	0.9	0.9	1	1.2	1.3	1.1	1.1	1.1	1.1	1.1	1	0.8	0.7	0.7	0.6	0.7	0.8	0.8	0.8	0.6
S/A	0.79	0.74	0.74	0.71	0.74	0.82	0.65	0.56	0.56	0.61	0.52	0.47	0.42	0.43	0.41	0.36	0.31	0.29	0.37	0.36	0.49	0.58	0.68	0.66	0.34
Min	0	0	0	0	0.1	0	0	0.2	0.3	0.4	0.5	1	0.7	1	0.5	0.7	1	1.1	0.7	0.6	0.2	0.2	0	0	1
Max	3.9	3.6	3.6	3.8	3.9	3.8	3.4	4.1	4.2	4.4	4.4	5	5.2	5.6	4.8	5	4.6	4.3	3.7	2.7	3.2	3.8	3.7	3.7	3.2
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

July 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	317	301	288	300	286	307	186	284	324	5	25	33	60	58	79	91	95	99	116	125	125	129	145	167	87
2	168	203	215	226	199	191	212	222	219	13	103	82	125	158	157	120	120	108	127	153	157	151	152	173	146
3	194	200	205	210	213	162	175	214	228	140	172	150	137	143	143	145	131	125	138	161	153	180	188	199	169
4	201	201	210	209	199	217	234	252	318	269	140	80	109	142	49	89	111	117	118	121	167	173	174	185	151
5	209	203	208	206	196	136	188	230	225	228	36	47	57	38	31	30	36	52	52	61	34	20	27	34	42
6	2	10	358	332	332	338	345	359	9	14	348	334	4	16	17	43	43	43	28	27	154	229	217	235	7
7	251	271	229	256	263	269	274	286	282	305	343	288	302	302	51	131	154	161	153	143	154	158	173	185	216
8	182	177	231	217	222	209	222	266	273	241	238	217	208	170	165	166	153	123	162	151	158	152	162	175	184
9	174	195	187	189	193	195	206	211	220	212	209	209	201	201	203	207	206	177	185	188	190	193	196	199	200
10	204	208	213	213	214	212	210	218	227	222	229	221	246	219	202	152	52	132	142	185	241	223	222	276	209
11	259	215	156	271	317	341	16	353	352	12	17	10	13	16	15	9	32	26	27	355	352	341	324	9	
12	314	332	339	325	336	332	350	26	52	49	47	50	52	46	65	67	60	46	41	36	35	33	48	60	41
13	66	57	53	44	11	17	58	54	56	77	73	68	82	106	115	101	94	94	99	89	82	68	62	72	83
14	72	49	49	62	54	66	77	71	91	101	82	101	99	129	47	31	29	34	42	9	337	336	333	328	58
15	351	14	26	343	290	308	319	298	342	346	302	307	284	247	218	223	70	117	112	109	132	178	183	188	38
16	198	202	225	224	228	226	222	235	261	252	287	322	283	283	283	261	241	248	238	210	239	310	344	33	252
17	322	263	309	354	338	312	56	40	353	353	48	43	116	96	131	213	124	87	117	113	111	131	169	157	109
18	181	181	190	199	201	205	223	223	230	224	211	203	199	203	201	183	165	145	174	176	209	266	170	190	197
19	192	191	181	199	211	201	205	206	232	228	227	217	218	202	213	212	216	219	215	197	173	328	352	195	215
20	213	266	202	225	220	255	291	274	296	311	25	67	270	63	105	65	37	50	266	12	54	293	266	61	20
21	282	327	315	317	326	337	340	329	25	43	39	33	52	44	45	46	50	42	36	33	41	86	88	304	34
22	302	280	243	274	316	35	0	80	143	199	173	124	132	165	176	126	133	180	189	191	185	184	195	188	163
23	184	188	200	160	166	163	145	174	184	185	181	179	198	150	157	163	164	175	177	181	181	178	178	188	177
24	193	191	196	202	201	211	199	192	219	230	247	281	263	229	268	205	119	88	87	100	277	113	118	182	205
25	205	216	229	237	263	257	234	256	265	219	246	264	297	9	53	47	30	32	31	36	10	0	3	333	350
26	335	26	36	48	41	38	57	71	118	118	110	121	115	76	47	80	56	74	75	90	124	286	317	239	80
27	312	9	83	153	233	219	188	190	176	178	154	176	196	162	209	226	223	246	148	213	218	225	225	244	201
28	238	220	219	220	223	222	225	233	224	204	229	215	217	214	225	222	216	200	198	195	191	198	200	206	214
29	208	215	215	217	216	215	219	227	233	225	234	235	236	231	229	229	226	224	214	218	215	213	213	216	223
30	215	219	226	233	222	236	247	248	251	262	247	239	251	249	256	275	261	264	256	245	31	69	82	134	247
31	0	73	307	330	289	313	334	342	358	9	24	23	16	48	51	39	60	57	89	97	145	235	199	166	33
Avg	208	211	213	223	233	240	232	240	247	230	192	163	174	134	137	126	101	109	121	137	155	185	188	194	166
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

July 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	0.6	0.1	0.2	0.4	0.3	0	0	0.7	1.5	1.9	2.2	2.6	2.9	2.7	3.3	4.5	4.7	4.3	2.4	2.1	2.3	1.8	1.3	1.3	1.8
2	0.2	0.3	0.6	1	1.1	0.7	1.7	2.4	2.5	1.6	0.9	2.2	3.7	3.9	4.7	4.7	4.4	3.6	2.7	2.8	2.3	2.7	2.7	2	2.3
3	2.2	2.4	2.5	2.1	1.9	1.6	1.9	2.9	2.6	1.9	2.2	2.6	3.3	3.2	3.1	2.7	3.1	3.9	2.6	2.3	2.7	2.6	2.9	2.7	2.6
4	2.3	2.2	2	2	1.1	1.5	1.8	1.3	1.1	1.3	2	3.2	3.6	3.3	2.8	2.6	2.4	2.8	1.5	2.1	2.6	2.7	3	2.8	2.3
5	2.1	2.5	1.5	1.3	0.6	0.4	2	2.1	1.5	1.4	2.2	2.6	3.3	5.2	4.9	5.5	4.1	3.7	2.8	1.4	2.4	2.7	3.3	2	2.6
6	2.4	3.4	3	2.3	2.8	3.4	3.2	3.2	5.5	4.9	5.1	5.7	5	5.6	4.9	5.5	5	4.3	3.9	2.6	0.9	0.8	0.5	1.5	3.6
7	1	1.5	1.4	1.9	1.6	1.9	2.3	2.7	2.6	2.4	1.9	2.5	2.3	2.2	2.5	3.3	4.3	3.2	2.3	1.5	2.6	2.2	1.9	2.3	2.3
8	1.5	1.2	1.4	1.7	1.1	1.1	1.2	2.6	2.1	2.9	3.4	3.3	2.7	4.1	4.9	4.7	4	3.5	3	2.8	2.8	2.5	2.7	2.4	2.6
9	2.4	2.1	1.9	2.1	2.5	2.6	3.9	4.9	6.4	5.9	6.3	6.7	6.8	7.1	7.5	7.8	7	5.5	5.1	4.2	5.3	6.2	6	5.9	5.1
10	6.1	5.7	5.7	5.5	6.2	5.5	5	6.3	6	5.9	5.1	6.4	4.6	4.2	4	4.5	5.8	4.2	4.3	2.1	2.1	3.7	2.9	2.6	4.8
11	2.6	0.9	0.3	1.5	2.9	4.2	5.7	6.5	7.1	7.5	7.5	8.2	8.6	8.5	7.6	6.7	6.9	6.9	5.6	3.9	2.7	2.1	1.2	0.9	4.9
12	1.2	1.3	1.5	1.7	1.8	1.8	2	2.6	5.7	6.3	6.3	6.1	5.6	5.5	5.2	5.1	4.9	4.5	3.9	2.6	1.9	1.2	0.7	1	3.3
13	0.7	0.9	1.5	1	1	1.4	2.5	3.4	3.4	3.7	3.9	4.7	5.8	6.4	6.4	6.7	6.7	6.3	5.1	4.1	3.6	3	1.8	2.7	3.6
14	2.3	1.7	2.3	2.4	2	2.8	3.2	4.1	5.4	5.8	5.7	5.4	3.6	4.1	2	4	3.2	3.4	4.3	3.3	3	3.2	3.5	4.1	3.5
15	3.8	3.7	3.4	1.4	2.8	1.8	1.7	1.7	2.9	2.6	2.3	2.3	1.8	2.5	2.4	1.6	3.3	3.5	3.4	3.2	2.2	2.9	2.6	2	2.6
16	2.3	2.6	2.3	2.1	2	1.9	2.2	2.6	3	3.8	3.2	2.8	3.5	3.3	3.3	3.3	3.5	2.7	1	1.7	1.7	1.6	1.3	1.4	2.5
17	0.2	0.9	0.7	0.3	0.7	0.8	0.2	1	1.4	1.4	2.1	2.7	2.5	2.6	2.7	2.9	3.1	3.1	2.2	2.7	2.4	2	2.2	1.9	1.8
18	1.8	2.2	2.5	2.2	2.1	2.3	2.7	2.9	3.2	3.2	2.8	3.6	4.8	5.3	5.7	4.5	2.8	3.5	3.1	3.4	2.9	1.5	1.9	3.1	3.1
19	3.2	3.1	3.1	3.3	3.2	3	3.5	4.6	5.6	6.1	3.8	4.6	4.7	5.1	5.1	4.8	4.6	4.6	2.8	2.4	2.2	4.3	3.3	1.6	3.9
20	4.6	2.1	1.8	1.1	1.6	1.6	1.8	2.2	2.3	1.8	2.1	2	2.8	5.6	4	2.4	2.7	2.4	3	2.6	4.4	1.5	0.5	2.2	2.5
21	1.1	1.2	1.2	1.8	1.1	1.3	2.4	3	4.3	5.5	5.2	4.9	4.9	5.1	4.9	4.8	5.1	4.4	3.4	2.3	1.7	1.6	0.6	0.2	3
22	0.3	0.5	0	0.1	0.5	0.5	0	0.7	1.8	1.9	2.8	3.3	3.5	3.1	2.9	4.7	4.3	5	3.2	2.5	1.5	1.4	2.2	2.7	2.1
23	3	3.5	2.8	1.7	1.2	0.4	1.7	4.4	5.4	5.7	6.2	6.3	4.6	3.7	4.7	5.6	5	5.7	5.2	4.6	4.4	4.1	3.6	4	4.1
24	5	4.3	4.3	4	3	3.1	2.2	3.8	4.1	3.1	3.2	3.4	3.1	2	1.4	2.6	1.8	1.9	1.8	2	0.7	1.1	0.8	1.4	2.7
25	2.2	2.3	1.1	1.5	1.3	1.5	1.8	2.4	1.7	1.2	2.2	2.7	3.3	4.3	4.3	3.2	4.6	3.5	3	2	1.6	1.8	1.9	0.9	2.3
26	0.2	1.3	1.5	1.9	2.1	1.5	2.2	2.1	3.5	2.3	2.9	3	2.6	2	2.6	3.3	4.4	4.3	3	2.1	0.5	0.5	0.1	0	2.1
27	0.4	0.2	0.4	0.1	0.3	0.2	0.5	2.1	3.1	3.1	3.8	3.4	3.5	4.2	3.7	4	2.8	4.2	2.5	2.8	3.1	3.8	3.3	2.3	2.4
28	2.3	1.9	2.5	2.1	1.9	1.4	1.6	2.4	3.1	2.9	3.8	4.2	4.2	4.6	4.4	4.9	4.2	3.3	2.6	2.6	2.7	2.7	3.2	3.3	3
29	3.9	4.2	4	3.4	3.6	3.4	3.6	3.8	3.8	4.1	4.4	4.7	5.8	5.7	5.7	5.3	4.5	3.4	3.5	3.4	3.4	3.6	2.8	2.5	4
30	3.1	3.2	3.6	3.2	2.9	3.3	3.6	4.4	4.6	5	4.6	5.7	5.6	6.6	6.6	5.3	4.8	3.8	2.2	1.4	2	2.2	0.8	0.5	3.7
31	0	0.1	0.2	1.1	0.5	0.6	1.9	2.8	3	2.7	2.9	3.3	3.5	4.1	4.7	5.1	5	3.2	2.2	1.2	0.8	0.5	0.4	0.2	2.1
Avg	2.1	2.1	2	1.9	1.9	1.9	2.3	3	3.5	3.5	3.6	4	4.1	4.4	4.3	4.4	4.3	4	3.2	2.6	2.4	2.4	2.1	2.1	3
SD	1.5	1.4	1.4	1.2	1.2	1.3	1.3	1.4	1.7	1.8	1.6	1.6	1.5	1.6	1.5	1.4	1.3	1.1	1.1	0.9	1.1	1.2	1.3	1.3	0.9
S/A	0.72	0.67	0.68	0.61	0.65	0.68	0.58	0.47	0.47	0.51	0.45	0.4	0.36	0.36	0.36	0.32	0.3	0.27	0.35	0.33	0.44	0.51	0.6	0.6	0.3
Min	0	0.1	0	0.1	0.3	0	0	0.7	1.1	1.2	0.9	2	1.8	2	1.4	1.6	1.8	1.9	1	1.2	0.5	0.5	0.1	0	1.8
Max	6.1	5.7	5.7	5.5	6.2	5.5	5.7	6.5	7.1	7.5	7.5	8.2	8.6	8.5	7.6	7.8	7	6.9	5.6	4.6	5.3	6.2	6	5.9	5.1
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

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