

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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	5	50	125	299	262	285	216	184	159	121	110	122	19 ?	8	0	0	0	0	0	1965
2	0	0	0	0	0	11	81 ?	219 ?	468	539	759	845	808 ?	752	682	493	283	98	16	0	0	0	0	0	6054 ?
3	0	0	0	0	0	15	106	287	511	624	812	680	809	716	392	279	157 ?	62	6	0	0	0	0	0	5457
4	0	0	0	0	0	4	34	149	237	173	220	284	445	696	396	287	147	66	9	0	0	0	0	0	3147
5	0	0	0	0	0	10	55 ?	116	313	368	610	817	735	610	664	432	201	99	9	0	0	0	0	0	5040
6	0	0	0	0	0	9	106	301	503	645	572	815	713 ?	665 ?	590	522	319	108	13	0	0	0	0	0	5881
7	0	0	0	0	0	14	105	331 ?	492	676	747	794	872	710	709	509	304	86 ?	12	0	0	0	0	0	6361
8	0	0	0	0	0	12	82	216	487	669	796	742	876	802 ?	627 ?	502	298	79	11	0	0	0	0	0	6198
9	0	0	0	0	0	6	89	249	419	521	393	628	737	726	610	381	112	67	6	0	0	0	0	0	4945
10	0	0	0	0	0	9	82	245 ?	364	501	629	826	840	706	654	479	260 ?	49 ?	3	0	0	0	0	0	5649 ?
11	0	0	0	0	0	6	58	153	410	622	727	790	833	791	668	495	286	87	4	0	0	0	0	0	5929
12	0	0	0	0	0	8	91	281	479	573	709	854 ?	776	727	587	443	275	81	3	0	0	0	0	0	5886
13	0	0	0	0	0	11	96	263	454	599	739	797	803 ?	720	703	413	256	42	7	0	0	0	0	0	5903
14	0	0	0	0	0	4	66	187	460	608	568	593	415	499	303	131	124	24	3	0	0	0	0	0	3987
15	0	0	0	0	0	2	44	162	344	465	606	518	536	548	477	357	178	74	6	0	0	0	0	0	4315
16	0	0	0	0	0	2	51	218	452	670	872	863	774	547	494	265	151	61	1	0	0	0	0	0	5420
17	0	0	0	0	0	7	69	287	469	646	770	832	825	789 ?	601 ?	457	272 ?	26 ?	0	0	0	0	0	0	6050 ?
18	0	0	0	0	0	6	55	233 ?	381	518	585	657	794	727	349 ?	411	?	52	0	0	0	0	0	0	4766 ?
19	0	0	0	0	0	6	63	246	461	481	717	458	384	508	530	486 ?	233 ?	30	0	0	0	0	0	0	4604
20	0	0	0	0	0	3	15	27	154	143	147	180	49	410 ?	249	152	120	37	0	0	0	0	0	0	1688
21	0	0	0	0	0	3	37	176 ?	435	584	702	678	768	726	570	406	250 ?	34	0	0	0	0	0	0	5369
22	0	0	0	0	0	3	31	84 ?	183	466	678	718	553	660	515	224	143	41	0	0	0	0	0	0	4301
23	0	0	0	0	0	4	45	193	411 ?	579 ?	416	455	470	463	348	157	27	27	0	0	0	0	0	0	3595
24	0	0	0	0	0	4	42	181	296	269	434	487	429	326	122 ?	98	73	7	0	0	0	0	0	0	2766
25	0	0	0	0	0	0	7	26 ?	89 ?	143 ?	218	408	488	473	374	377	252	44	0	0	0	0	0	0	2899 ?
26	0	0	0	0	0	0	30	258	449	619	746	784 ?	772 ?	618	383	336	159	47	0	0	0	0	0	0	5201
27	0	0	0	0	0	0	53	250	444	611	730	779 ?	775	707	582	402	203	40	0	0	0	0	0	0	5575
28	0	0	0	0	0	0	56	232	423	582	563	591	498	467	292	422 ?	226	40	0	0	0	0	0	0	4389
29	0	0	0	0	0	0	66	239	430	549	641	710	573	552	481	217	156	40	0	0	0	0	0	0	4654
30	0	0	0	0	0	0	55	233	402	374	173	189	127	85	65	45	55	14	0	0	0	0	0	0	1817
Avg	0	0	0	0	0	5	61	206	391	503	586	633	622	596	471	343	195	53	4	0	0	0	0	0	4660
S D	0	0	0	0	0	4	26	75	108	160	206	211	231	179	182	143	80	27	5	0	0	0	0	0	1370
S/A	0	0	0	0	0	0.79	0.43	0.37	0.28	0.32	0.35	0.33	0.37	0.3	0.39	0.42	0.41	0.51	1.2	0	0	0	0	0	0.29
Min	0	0	0	0	0	0	7	26	89	143	147	180	49	85	65	45	27	7	0	0	0	0	0	0	1688
Max	0	0	0	0	0	15	106	331	511	676	872	863	876	802	709	522	319	108	16	0	0	0	0	0	6361
n	0	0	0	0	0	80	348	325	351	351	357	337	331	337	339	341	323	321	59	0	0	0	0	0	4200

Daylight Data Recovery: 0.0% missing; 5.5% exceed the 15% QC threshold -- 4444 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.

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	?	?	?	?	?	?	?	*	*	*	90 ?	?	?	*	0	0	0	0	0	?
2	0	0	0	0	0	?	?	404 ?	?	?	?	?	684 ?	?	?	?	?	652 ?	216	0	0	0	0	0	1956 ?
3	0	0	0	0	0	*	?	?	?	?	?	841 ?	?	?	?	?	70 ?	?	?	0	0	0	0	0	?
4	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
5	0	0	0	0	0	222	121 ?	?	?	?	?	?	?	?	?	759 ?	?	239 ?	?	0	0	0	0	0	1340 ?
6	0	0	0	0	0	?	336 ?	?	?	?	?	?	?	595 ?	?	?	?	?	?	0	0	0	0	0	?
7	0	0	0	0	0	*	450 *	?	?	?	?	?	?	?	?	?	?	349 ?	35 ?	0	0	0	0	0	834 ?
8	0	0	0	0	0	*	*	?	?	?	?	?	?	?	694 ?	?	?	?	?	0	0	0	0	0	?
9	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
10	0	0	0	0	0	*	*	335 ?	?	?	?	?	?	?	?	?	?	446 ?	685	0	0	0	0	0	1466 ?
11	0	0	0	0	0	*	*	?	?	?	?	?	521 ?	?	?	*	*	*	*	0	0	0	0	0	?
12	0	0	0	0	0	?	?	?	?	?	?	896 ?	?	?	*	*	*	?	407	0	0	0	0	0	?
13	0	0	0	0	0	*	*	?	?	?	?	?	647 ?	?	*	*	?	375 ?	?	0	0	0	0	0	?
14	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
15	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	*	0	0	0	0	0	?
16	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
17	0	0	0	0	0	385	576 ?	?	?	?	?	?	?	?	835 ?	?	?	177 ?	?	0	0	0	0	0	1973 ?
18	0	0	0	0	0	*	*	*	?	?	?	?	?	?	247 ?	?	?	?	?	0	0	0	0	0	?
19	0	0	0	0	0	?	*	?	?	?	?	?	?	?	?	579 ?	604 ?	505 ?	0	0	0	0	0	0	?
20	0	0	0	0	0	?	?	*	*	*	?	80 *	?	?	?	?	?	?	0	0	0	0	0	0	?
21	0	0	0	0	0	*	?	188 ?	?	?	?	?	?	?	?	629 ?	?	196 ?	0	0	0	0	0	0	?
22	0	0	0	0	0	?	?	141 ?	75 ?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
23	0	0	0	0	0	*	*	*	342 ?	?	?	?	?	?	?	?	?	*	0	0	0	0	0	0	?
24	0	0	0	0	0	357	421 ?	?	?	?	?	?	?	?	?	*	?	*	0	0	0	0	0	0	?
25	0	0	0	0	0	*	*	?	?	?	*	43 ?	?	?	?	?	?	?	0	0	0	0	0	0	?
26	0	0	0	0	0	?	?	?	?	?	?	?	761 ?	?	?	?	?	?	0	0	0	0	0	0	?
27	0	0	0	0	0	?	?	?	?	?	?	?	789 ?	?	*	*	*	0	0	0	0	0	0	0	?
28	0	0	0	0	0	?	?	?	?	?	?	?	?	?	178 ?	456 ?	?	483	0	0	0	0	0	0	1117 ?
29	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
30	0	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?

Avg	0	0	0	0	0	241	381	267	209	N/A	N/A	476	720	595	488	503	337	380	84	0	0	0	0	0	1448 *?
S/D	0	0	0	0	0	176	169	123	189	0	0	405	66	0	325	255	378	158	195	0	0	0	0	0	455
S/A	0	0	0	0	0	0.73	0.44	0.46	0.9	0	0	0.85	0.09	0	0.67	0.51	1.12	0.42	2.32	0	0	0	0	0	0.31
Min	0	0	0	0	0	0	121	141	75	N/A	N/A	43	647	595	178	90	70	177	0	0	0	0	0	0	834
Max	0	0	0	0	0	385	576	404	342	N/A	N/A	896	789	595	835	759	604	652	685	0	0	0	0	0	1973
n	0	0	0	0	0	7	23	16	12	0	0	15	13	5	23	17	6	46	14	0	0	0	0	0	107

Daylight Data Recovery: 10.2% missing; 84.9% exceed the 15% QC threshold -- 4444 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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	3	44	107	258	239	247	189	161	139	105	95	102	28	7	0	0	0	0	0	1725
2	0	0	0	0	0	10	53	97 ?	180	219	201	174	189 ?	165	160	142	124	74	14	0	0	0	0	0	1801
3	0	0	0	0	0	13	62	99	94	123	123	320	310	273	334	227	140	55	6	0	0	0	0	0	2179
4	0	0	0	0	0	3	30	135	203	151	193	256	404	452	315	244	132	56	8	0	0	0	0	0	2582
5	0	0	0	0	0	8	59	101	265	311	347	344	373	241	184	157	126	53	8	0	0	0	0	0	2577
6	0	0	0	0	0	7	40	59	71	153	223	220	227 ?	172 ?	147	100	68	34	9	0	0	0	0	0	1529
7	0	0	0	0	0	9	43	58 ?	64	92	116	198	92	110	133	69	57	36	9	0	0	0	0	0	1086
8	0	0	0	0	0	8	34	80	60	72	73	133	86	133 ?	102 ?	67	58	49	9	0	0	0	0	0	963
9	0	0	0	0	0	6	37	115	147	236	317	447	477	197	131	154	101	55	6	0	0	0	0	0	2426
10	0	0	0	0	0	7	37	97 ?	156	203	187	156	102	114	90	73	59 ?	26	3	0	0	0	0	0	1310
11	0	0	0	0	0	6	51	104	130	184	158	194	150	74	56	48	43	25	2	0	0	0	0	0	1225
12	0	0	0	0	0	7	32	55	66	129	149	112 ?	152	162	157	119	52	25	3	0	0	0	0	0	1219
13	0	0	0	0	0	8	40	59	88	218	232	167	300 ?	309	162	143	108	38	7	0	0	0	0	0	1880
14	0	0	0	0	0	3	58	152	174	149	275	348	313	292	245	115	109	21	3	0	0	0	0	0	2259
15	0	0	0	0	0	2	38	146	279	327	386	398	393	392	303	233	142	59	5	0	0	0	0	0	3106
16	0	0	0	0	0	2	42	88	97	99	197	166	215	246	209	153	73	24	1	0	0	0	0	0	1613
17	0	0	0	0	0	6	25	48	55	61	65	63	61	65 ?	57 ?	55	59	30	0	0	0	0	0	0	649 ?
18	0	0	0	0	0	5	50	130	147	248	289	304	184	186	145 ?	101	?	22	0	0	0	0	0	0	1812 ?
19	0	0	0	0	0	5	33	71	114	193	241	329	315	360	256	120 ?	63	22	0	0	0	0	0	0	2121
20	0	0	0	0	0	3	15	23	137	129	140	166	45	236	218	135	101	33	0	0	0	0	0	0	1380
21	0	0	0	0	0	2	35	137 ?	122	147	187	272	304	199	148	123	94 ?	26	0	0	0	0	0	0	1797
22	0	0	0	0	0	3	28	78	164	316	321	312	342	269	220	168	110	36	0	0	0	0	0	0	2367
23	0	0	0	0	0	3	40	147	242 ?	314 ?	351	319	323	304	246	132	24	24	0	0	0	0	0	0	2468
24	0	0	0	0	0	3	39	153	210	203	254	324	290	231	110	88	65	7	0	0	0	0	0	0	1975
25	0	0	0	0	0	7	21	76	125	192	360	384	350	300	207	98	19	0	0	0	0	0	0	0	2140
26	0	0	0	0	0	0	19	56	60	66	76	96 ?	121 ?	204	286	203	120	37	0	0	0	0	0	0	1345
27	0	0	0	0	0	0	18	42	49	52	53	57 ?	64	64	58	52	38	13	0	0	0	0	0	0	561
28	0	0	0	0	0	0	25	59	78	112	252	264	240	178	201	193 ?	100	15	0	0	0	0	0	0	1718
29	0	0	0	0	0	0	24	59	88	192	189	208	211	230	200	105	63	20	0	0	0	0	0	0	1590
30	0	0	0	0	0	0	26	62	120	248	155	169	114	76	58	40	49	12	0	0	0	0	0	0	1129
Avg	0	0	0	0	0	4	36	88	133	177	206	235	231	214	178	129	86	32	3	0	0	0	0	0	1751
S D	0	0	0	0	0	3	13	39	68	80	88	101	119	99	82	57	33	16	4	0	0	0	0	0	605
S/A	0	0	0	0	0	0.76	0.37	0.44	0.51	0.45	0.43	0.43	0.51	0.46	0.46	0.45	0.39	0.5	1.18	0	0	0	0	0	0.35
Min	0	0	0	0	0	0	7	21	49	52	53	57	45	64	56	40	24	7	0	0	0	0	0	0	561
Max	0	0	0	0	0	13	62	153	279	327	386	447	477	452	334	244	142	74	14	0	0	0	0	0	3106
n	0	0	0	0	0	80	355	338	355	356	360	339	337	341	345	346	331	339	59	0	0	0	0	0	4281

Daylight Data Recovery: 0.0% missing; 3.7% exceed the 15% QC threshold -- 4444 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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	23.5	23.2	23.1	22.9	22.8	22.8	22.8	23.2	24.5	25.3	24.7	24.5	23.4	23.3	22.9	22.8	23.1	22.8	22.4	21.9	21.7	21.5	21.5	21.5	23
2	21.5	21.6	21.6	21.5	21.3	21	21.7	23.2	24.7	25.3	26.2	26.6	26.7	26.5	26.5	25.9	25.1	23.9	22.8	22	21.7	20.8	20.3	20	23.3
3	19.2	17.9	18	18.3	17.7	18.5	19.9	22.1	24.4	25.5	26.4	26.8	26.5	27.1	26.4	25.5	25.1	24.5	23.7	23.2	23.1	22.9	22.7	21.9	22.8
4	21.3	21.1	20.8	21	20.8	20.9	21.1	22.1	24	24.1	24.2	24.6	25.3	26.5	25.9	25.5	25.2	24.7	23.7	23.1	22.4	22.1	22	21.5	23.1
5	21.2	20.9	20.6	20.3	20.1	20.1	20.4	21.1	22.9	25.4	26.2	26.8	26.9	26.8	27	26.6	25.4	24.8	23.4	22.5	22.1	21.3	20.8	20.2	23.1
6	19.9	19.1	18.3	18.3	18.1	18	18.7	20.8	23	24.5	24.8	25.5	25.8	26.1	25.9	25.4	24.8	23.9	22.6	21.8	21.3	20.8	20.2	18.3	21.9
7	17.1	16.2	16.1	15.9	15.8	16.1	17.5	20.2	23.3	24.8	25.4	26.4	27	27.1	27.1	26.4	25.9	25.3	24.3	23.6	23.1	22.7	22.2	21.6	22.1
8	20.8	20.6	20.8	20.5	19.9	19.9	20.7	23.4	25.3	26.7	27.3	27.4	28.1	28.4	28.5	28	27.3	26.2	25.1	24.4	24.1	24	24	23.7	24.4
9	23.6	23.4	23.3	23	23.1	22.6	23.8	25.1	26.2	27	27.1	27.6	28	28.2	28.1	27.6	26.8	26.5	25.4	24.8	24.5	24.1	23.9	23.5	25.3
10	23.1	23	22.6	22.5	22.2	22.3	23	24.9	26	27.1	27.9	29.2	29.8	30	30.8	30.8	30.2	28.3	26.8	26.1	25.4	24.9	24.5	22.4	26
11	21	20.8	20.8	21.1	21.1	20.9	21.3	22.3	23.5	25.2	25.8	26.2	26.8	27	27.2	27.2	27	26.1	24	22.3	21.5	20.6	19.3	18.1	23.2
12	17.7	16.4	15.7	15.6	16.2	16.3	17	20.2	22.8	24.7	25.3	25.9	26.3	26.4	26.3	26.2	25.5	24.5	23	21.8	21.3	20.4	20.5	19	21.5
13	18	17.3	16.9	17.1	16.7	15.6	16.1	20.2	23.3	23.9	24.8	25.6	25.8	26.4	26.4	25.4	24.7	23.5	22.4	21.6	20.9	20.5	19.7	18.8	21.3
14	18.7	18.3	18.6	18.2	16.9	16.8	17	19.4	22.3	24.2	25	25.8	25.2	22.5	21.1	19.5	19.4	18.5	17.8	17.4	16.9	16.7	16.7	16.4	19.6
15	16.5	17.4	17.1	15.9	15.1	14.9	14.8	15.3	16.9	18.8	19.6	19.7	19.8	19.8	19.7	19.4	19	18.6	17.8	17.2	17.1	16.8	16.9	16.8	17.5
16	16.3	16.1	16	16.1	16	16	16	17.4	19.4	21	22	22	22.2	22	21.5	21.1	20.6	20.1	18.8	17.9	17.1	16.9	16.8	16.1	18.6
17	15.3	13.9	12.7	12.6	12.5	12.5	12.8	15.5	19	20.9	22.4	23.7	24.7	24.5	24.7	23.7	22.5	20.9	19.7	18.7	17.9	16.9	16.1	15.8	18.3
18	14.7	14.3	13.7	13.3	13.1	12.9	13.2	15.7	18.9	22.2	23.5	24.1	24.9	25.5	24.9	24.9	24.3	22.7	21.1	20	19.4	18.7	18.3	17.8	19.3
19	17.7	17.5	17.8	17.3	17.2	17	17.6	20.1	22.7	23.5	24.3	24.6	24.1	23.9	24	24.5	24	23	21.8	21.2	21	21.2	21.7	21.7	21.2
20	21.4	21.3	21.2	21.2	21	21.3	21.9	21.6	21	21.5	21.7	21.8	21.7	21.3	22.9	23.3	22.9	22.5	21.9	21.9	21.7	21.4	21.3	21.4	21.7
21	21.5	21.5	21.3	21	21	20.5	20.7	21.6	23.7	25.8	26.8	27	27.6	27.8	29.1	28.8	28.3	26	24.5	23.8	23.2	22.7	22.4	22.1	24.1
22	21.9	21.6	21.6	21.4	21.5	21.5	21.4	21.4	21.6	22.7	26	27.6	29.1	29.2	29.3	27.5	26.7	25.5	24.2	23.5	23	22.8	22.4	22	24
23	21.7	21.5	21.3	21	20.8	20.3	20.2	21.3	23.3	26.4	28	27.6	27.8	28.4	28.8	28.2	26.6	24.3	23.2	22.8	22.8	22.4	22.1	22	23.9
24	22.1	21.8	21.7	21.8	22.1	22.4	22.4	22.9	24.4	25.6	26.6	26.9	27.3	27.4	23.9	24.6	24.6	23.5	23.2	23	22.1	20.5	20.7	21	23.4
25	20.9	20.5	20.3	20.1	19.9	19.7	19.7	18.5	18.5	18.9	19.5	20.5	21.1	20.5	20.7	21.5	22.2	21.1	19.1	17.9	16.8	15.6	14.6	13.8	19.2
26	12.6	11.5	10.6	10	9.8	9.9	9.9	11	14.4	16.7	18.5	19.3	20.1	20	19.7	19.4	19	18	16.5	15.7	15.2	14.1	13.5	13.1	14.9
27	13.6	13.4	12.2	11.7	12.2	12.3	12	14.1	16.6	18.8	20.8	21.8	22.5	22.8	22.9	23.1	22.8	21.9	19.6	17.8	16.5	16.4	15.8	15.4	17.4
28	14.9	14.9	15	14.4	13.9	13	12.8	14.6	16.3	17.3	18	18.9	19.1	19.6	19.7	20.1	19	17.6	16.1	14.9	13.5	12.7	12	11.3	15.8
29	11.6	11.6	11.8	10.8	9.1	8.3	8.7	11.1	14	15.9	17.2	18.2	18.6	17.9	18.6	17.9	17.7	17	16.2	14.5	13.2	12.9	13.8	14.2	14.2
30	14.1	12.1	11.1	10.7	10.8	10.4	11.1	13.7	15.5	16.1	15.7	15.4	15	14.8	14.8	14.3	14	14.1	13.7	13.4	13.2	13.1	13.1	12.3	13.4
Avg	18.8	18.4	18.1	17.8	17.6	17.5	17.9	19.5	21.4	22.9	23.7	24.3	24.6	24.6	24.5	24.2	23.7	22.7	21.5	20.7	20.1	19.6	19.3	18.8	20.9
S D	3.4	3.6	3.8	4	4.1	4.2	4.3	3.9	3.6	3.4	3.4	3.4	3.5	3.7	3.8	3.7	3.5	3.3	3.2	3.3	3.5	3.5	3.6	3.5	3.4
S/A	0.18	0.2	0.21	0.22	0.23	0.24	0.24	0.2	0.17	0.15	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.16
Min	11.6	11.5	10.6	10	9.1	8.3	8.7	11	14	15.9	15.7	15.4	15	14.8	14.8	14.3	14	14.1	13.7	13.4	13.2	12.7	12	11.3	13.4
Max	23.6	23.4	23.3	23	23.1	22.8	23.8	25.1	26.2	27.1	28	29.2	29.8	30	30.8	30.8	30.2	28.3	26.8	26.1	25.4	24.9	24.5	23.7	26
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	92.5	93.4	94.6	95.7	96	96.3	97	96.7	92.5	87.5	89.1	90.4	94.3	96.5	98.5	99.8 ?	99.5 ?	99.9 ?	?	?	?	?	?	?	95 ?	
2	?	?	?	?	?	?	99.1 ?	92.2	81.9	72.3	64.9	62.1	62.5	63	62.4	68.8	72	71	73.7	77	78.1	84.1	85.8	88.8	88.8	75.5 ?
3	93.5	98	98	97.8	99.4 ?	?	98.6 ?	93.1	80.2	66.2	59.8	59.4	63.8	64.4	66.2	73.1	75.3	80.3	87.9	91.6	91.9	92.5	93.3	97.5	83.6	
4	99.8 ?	?	?	?	?	?	?	97.8 ?	86.1	84.6	85.6	84.4	79.2	71.2	75	80	77.2	83.4	89.4	92	95.9	98.5	98.9	99.8 ?	87.7 ?	
5	?	?	?	?	?	?	?	?	97.8 ?	92.3	84.9	78.2	77.6	71.5	59.2	61.3	64	71	80	83.7	82.8	89.4	94	96.8	80.3 ?	
6	97.3	98.4 ?	99.8 ?	99.3 ?	98.8	98.5	94.6	84.3	77	72.2	68	64.4	63.6	60.2	61.8	64.4	66.3	68.3	72.7	77.4	81.2	83.5	85.7	94.7	80.5	
7	98.1	?	?	?	?	99.8 ?	97	88	79.6	75.6	71.5	69.1	53.9	58.8	67.7	69.3	73.3	74.1	76.1	82.2	87	90.9	93	92.4	79.9 ?	
8	95.1	95.7	95.6	?	?	?	99 ?	92	81.5	66.3	59.4	60	59.2	60	62.7	67.5	68.5	75	85.2	92.5	94.5	92.3	94	95.8	80.6 ?	
9	96.3	97.1	99.1	99.9 ?	99.9 ?	?	97.4	93.5	86.7	79.6	77.3	72.5	70	71.8	73.1	74.8	79.8	80.3	90.8	95.3	95	96.6	97.7	99	88	
10	99.7 ?	?	?	?	?	?	?	98.7 ?	91.9	81.3	74.7	66.6	60.5	63.7	61.8	61.4	65.2	75.9	83.1	86.8	91.3	93.1	94.3	94.8 ?	80.3 ?	
11	?	?	?	?	?	?	?	?	95.3	89.1	71.7	61.7	59.2	55.2	51	41.4	38.6	42.2	53	66.8	74.4	73.6	77.2	83.7	90.8	66.2 ?
12	93.2	98.3	?	?	99.9 ?	99.9	98.2	89.3	82.5	71	63.4	57.3	60.9	64.2	64.4	62.9	65.2	71	78.7	84	87.1	93.5	93.3	98.7 ?	80.8 ?	
13	?	?	?	?	?	?	?	91.1	73.2	67.6	64.2	58.8	56.3	55.5	56.6	62.6	64.5	68.4	71.6	76.5	82.2	83.2	88	92.6	71.3 ?	
14	94.2	97.2	97.7	98.5 ?	?	?	?	97.3 ?	86.8	73.5	67.4	62.7	68.3	81.7	83.1	85.2	82.2	83.9	87.1	87.3	87.7	87.5	85.9	82.3	84.6 ?	
15	77.2	69.5	71.1	79	83.9	82.8	84.5	87.6	85.4	78.9	74.3	72.3	69.5	65.7	64.5	69.6	73.6	77.9	82.6	85.2	86	88.4	89.3	90.3	78.7	
16	92.7	93	94.4	94.9	93.9	91.8	88	82.3	78.3	73.3	67.5	67.5	67.6	66.1	70.2	72.4	74	74.5	79.5	84.6	88.5	89.6	85.7	85.4	81.5	
17	88.1	94.5	99.3 ?	?	?	?	?	94.4	81	74.2	68.2	56.7	52.9	58.6	58.2	64.3	69.8	74.8	80.8	87.6	93	97.4	99.5	?	78.6 ?	
18	?	?	?	?	?	?	?	?	91.3 ?	76.8	69.7	61.4	53.2	50.1	56	61.3	60	66.8	70	70.3	73.2	83.4	94.3	98.7	71 ?	
19	100 ?	?	?	?	?	?	?	95.1 ?	79.7	74.3	61.7	60.5	64.6	63.2	59.8	55.5	69.1	78.3	85.5	90.9	95.5	96.9	96.2	95.2	79 ?	
20	95.1	94.8	96.2	99.1 ?	?	?	?	?	?	?	?	99.8 ?	99.8 ?	?	97.6	95.9	98.2	98.3	99.2	99 ?	98	?	?	?	97.8 ?	
21	?	?	?	?	?	?	?	?	?	87.7 ?	77	75.4	77.2	76.1	73.6	55.9	59.3	62.8	82.1	89.6	93.9	96.8	99.4 ?	?	?	79.1 ?
22	?	?	?	?	?	?	?	?	?	?	98.8 ?	86.5	70.1	58.2	57	56.7	71.5	75.1	88	98	99.4 ?	?	?	?	?	78.1 ?
23	?	?	?	?	?	?	?	?	?	95.5 ?	84.5	76.8	81.9	78.1	70.5	63.6	68.1	77.6	93.1	98.7	98 ?	98	99.5 ?	?	?	84.6 ?
24	?	?	?	?	?	?	?	?	?	97.5 ?	89.8	84.7	80.9	78.6	76.6	97	96.3	96.1	97.8 ?	?	?	99 ?	?	?	?	90.4 ?
25	?	?	?	?	?	?	?	?	?	?	?	99.1 ?	95.7	91.1	90.6	87.4	82.3	76.2	72.5	80.5	85.4	86.9	88.8	90.2	88.7	86.8 ?
26	90.6	92.8	95.7	99	?	?	99.2 ?	95.9	84.4	79.3	70.2	60.5	53.3	52.8	53.3	53.9	57.1	62.2	70	71.6	74.3	81.7	86.6	90.2	76.1 ?	
27	86.4	87.8	94.4	97.6	94.8	93.6	96.3	88.3	75.3	64.7	48.2	47	47.9	49.6	47	48.1	50.2	56.3	69.4	80.2	86	81.3	90.2	96.9	74.1	
28	99.7 ?	98.9 ?	91.4	93.6	97.6	99.3 ?	97.5 ?	89.6	81.6	77.7	74.3	68.3	63.4	57.5	54.8	50.8	56.9	64.4	70.5	76.6	84.9	87.9	91.6	94.5	80.1	
29	92.7	91.8	87.9	92.9	98.7	?	?	97.5	89.6	82	72.1	64.8	62.4	65.8	64.3	65.8	66.4	69.1	72.9	82	89.4	92.5	85.8	82.1	80.4	
30	82.9	92.9	97.4	99.8 ?	99.5 ?	?	96.8 ?	85.9	79	79.6	82.5	84.9	87.8	87.1	84.9	84.7	86.8	83.6	84.2	85.6	85.2	86.4	86.3	89.4	87.5	
Avg	93.3	93.4	94.2	95.9	96.6	95.2	95.9	92.1	84.9	77.6	72.5	69.8	67.7	66.1	66.8	69	71.5	76.5	81.2	85.4	88	89.8	91	92.8	81.3 ?	
S D	6	7	7.1	5.6	4.7	5.9	4.4	4.7	6.6	8.1	10.8	12.5	13.3	11.8	14.5	14.1	12.9	11.5	9.2	8.1	7.5	6.1	4.7	5.1	6.7	
S/A	0.06	0.08	0.08	0.06	0.05	0.06	0.05	0.05	0.08	0.1	0.15	0.18	0.2	0.18	0.22	0.21	0.18	0.15	0.11	0.09	0.08	0.07	0.05	0.06	0.08	
Min	77.2	69.5	71.1	79	83.9	82.8	84.5	82.3	73.2	64.7	48.2	47	47.9	49.6	41.4	38.6	42.2	53	66.8	70.3	73.2	77.2	83.7	82.1	66.2	
Max	100	98.9	99.8	99.9	99.9	99.9	99.2	98.7	97.8	98.8	99.1	99.8	99.8	96.5	98.5	99.8	99.5	99.9	99.2	99.4	99	99.5	99.5	99.8	97.8	
n	206	180	166	131	105	77	128	244	294	326	340	350	350	348	360	351	356	348	336	316	332	304	287	259	6498	

Data Recovery: 0.0% missing; 24.8% failed QC -- 8640 total measurements.

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	23.6	23	22.8	22.7	22.5	22.5	22.6	23.1	24.6	26.3	25.8	26	24.4	23.2	22.7	22.5	22.5	22.5	22	21.4	21.1	20.9	21	20.9	22.9
2	20.9	21	21	20.8	20.7	20.3	20.7	23	25.9	27.4	28.9	30.2	30.2	29.7	29.8	29.5	28.3	26.2	23.5	21.5	20.5	19.7	18.9	18.6	24.1
3	17.9	16.9	16.4	16.7	16.5	16.7	18.2	21.5	25.2	27.6	29.1	30.2	29.4	30.4	29.8	28.4	26.9	25.8	24.3	23.2	22.7	22.3	22	21.5	23.3
4	21	20.6	20.4	20.4	20.4	20.3	20.6	21.4	24.3	25.1	25.6	26.3	27	28.9	28.7	27.7	26.7	25.7	24.2	22.9	22.1	21.4	21.3	21	23.5
5	20.6	20.3	20.1	19.8	19.7	19.7	20	20.8	22.6	26	28.3	30	30.6	30.3	30.2	30	28.1	26.8	24.5	22.4	21.4	20.5	19.7	18.9	23.8
6	18.3	17.7	17	16.7	16.6	16.4	17.3	20.7	24	26.9	28.2	28.7	29.6	29.1	29.4	28.7	28.2	26.6	23.8	21.5	20.4	19.4	18.6	16.8	22.5
7	15.6	15	14.6	14.4	14.3	14.4	15.7	19.5	24	27.6	29.2	30	30.6	30.3	30.3	30	28.8	27.8	25.6	23.5	22.5	21.8	21.1	20	22.8
8	18.9	18.4	18.4	18.6	18.5	18.4	19.4	22.2	26.1	29.3	30.5	30.9	31.2	31.5	31.7	31.6	30.5	28.7	26.2	24.6	23.7	23.2	22.9	22.7	24.9
9	22.5	22.3	22.2	22.2	22.1	22	22.9	25.5	27.6	29.4	29.4	29.6	31	31.1	31.3	30.7	28.9	27.7	26.1	24.8	24.1	23.5	22.9	22.6	25.9
10	22	21.9	21.5	21.5	21.4	21.4	22.2	24.9	27.3	30.1	30.6	33.2	33.9	33.6	34.1	34.4	33.8	31.3	28.1	26.5	25.4	24.7	24.3	23.4	27.1
11	21.5	20.8	20.5	20.6	20.5	20.3	20.5	21.7	24	27	28.4	29.3	29.6	29.8	29.9	29.9	29.3	28.2	25.3	22.3	20.6	19.1	17.7	16.4	23.9
12	15.7	14.9	14.4	14.2	14.4	14.6	15.4	19	23.2	26.1	28	29.3	29.9	29.8	29.7	29.8	28.6	26.9	24	21.4	20.1	19.2	18.6	17.8	21.9
13	16.7	15.9	15.4	15.2	14.8	14.3	15.2	18.5	23.3	26.3	28.5	29.9	29.7	29.9	30.6	29.2	27.9	25.3	22.8	21.2	20.1	19.2	18.4	17.2	21.9
14	16.9	16.2	16.6	16.6	15.8	15.4	15.7	17.6	21.4	26	28.3	29	29	26.3	24.6	21.8	20.8	19.7	18.5	17.8	17.3	16.9	16.6	16.3	20
15	15.8	16	16.1	15.5	14.5	14.1	13.9	14.6	16.5	19.1	21.2	21.8	21.8	21.7	21.8	21.3	20.5	19.4	17.9	16.8	16.4	16	16.1	16	17.7
16	15.6	15.5	15.2	15.2	15.1	15	15	16.9	19.6	22.5	24.3	25.4	25.1	24.8	24	23.4	22.1	21.1	19.1	17.5	16.4	15.6	15.5	15	19
17	14.1	13.1	12	11.5	11.4	11.4	11.9	15	19.4	22.6	25	27	28.2	28.1	28.2	27.7	26.1	23.3	20	18.1	16.8	15.7	14.5	13.8	18.9
18	13.6	13	12.6	12.1	11.7	11.6	12	15.2	18.6	23.5	26.3	28	28.6	29.1	28.4	27.7	27.2	25.1	21.8	19.6	18.5	17.5	17	16.5	19.8
19	16.2	16	16.3	15.9	15.5	15.2	16	19.3	23.1	26.1	27.2	28.3	26.8	26.1	26.6	27	26.7	24.9	22.4	21.2	20.7	20.8	21	21.2	21.7
20	21	20.7	20.4	20.3	20.2	20.3	21	21.4	21.1	21.5	21.7	21.7	21.8	21.3	22.5	23.8	23.6	22.6	21.7	21.3	21.4	21.1	20.8	20.7	21.4
21	20.8	20.9	20.7	20.4	20.4	20.2	20.4	21.4	25.1	28.6	30.7	31.7	31.9	31.9	32.8	32.8	31.4	28.9	25.7	23.9	22.9	22.2	21.7	21.3	25.4
22	21.1	20.9	20.9	20.8	21	21.2	21.2	21.4	22	24.1	28.8	31.3	33.1	33.2	33.2	31.6	28.8	27	24.8	23.5	22.6	22.2	21.9	21.3	24.9
23	20.9	20.7	20.6	20.4	20.2	19.9	19.8	21.3	23.7	28.3	31.4	30.8	31.3	31.4	31.6	30.4	28.2	25.7	23.1	22.2	21.6	21.3	21	20.9	24.5
24	21.1	20.9	20.7	20.8	21.3	21.9	22.1	22.9	24.8	26.6	28.1	28.6	28.8	28.9	25.4	23.9	24.5	23.9	22.7	22.5	21.9	20.6	20.3	20.3	23.5
25	20.3	20.2	20	19.8	19.6	19.4	19.4	18.9	18.4	18.7	19.3	21.1	23.4	23.3	23	23.2	24.3	22.8	19.4	17.2	16.1	14.9	13.7	12.8	19.6
26	11.6	10.5	9.6	9	8.4	8.3	8.2	10.5	15.1	19.2	22.3	23.3	23.2	22.7	21.8	21.1	20.3	18.8	16.6	14.9	14	13	12	11.4	15.2
27	11.3	11.4	10.9	10.1	9.9	10.1	10.2	13.7	17.6	20.9	24	25.5	26.3	26.1	25.9	25.6	25	23.4	19.6	16.6	15.1	14.2	13.7	13.3	17.5
28	13.2	13.2	12.8	12.8	12.7	12	11.8	14.4	17.4	19.6	20.7	21.9	22.1	22.1	22	22.3	21.9	19.6	16.3	13.8	11.8	10.6	9.8	9.2	16
29	9.2	9.3	9.6	9.2	8	7	7.4	10.2	14.3	17.2	19.3	20.7	21.4	20.6	20.7	19.9	18.7	17.7	16	14.4	12.4	11.4	11.4	12.1	14.1
30	12.4	11.5	10.3	9.6	9.3	9	9.4	12.4	15.9	17.3	17.2	16.5	16.2	15.6	15.4	14.9	14.4	14.3	13.9	13.6	13.3	13	12.9	12.1	13.4
Avg	17.7	17.3	17	16.8	16.6	16.5	16.9	19	21.9	24.6	26.2	27.2	27.5	27.4	27.2	26.7	25.8	24.3	22	20.4	19.5	18.7	18.2	17.7	21.4
S D	3.8	3.9	4.1	4.3	4.4	4.5	4.6	4.1	3.7	3.8	3.9	4	4.1	4.3	4.5	4.5	4.2	3.8	3.5	3.5	3.7	3.8	3.9	3.9	3.6
S/A	0.22	0.23	0.24	0.25	0.27	0.28	0.27	0.22	0.17	0.16	0.15	0.15	0.15	0.16	0.17	0.17	0.16	0.16	0.16	0.17	0.19	0.2	0.21	0.22	0.17
Min	9.2	9.3	9.6	9	8	7	7.4	10.2	14.3	17.2	17.2	16.5	16.2	15.6	15.4	14.9	14.4	14.3	13.9	13.6	11.8	10.6	9.8	9.2	13.4
Max	23.6	23	22.8	22.7	22.5	22.5	22.9	25.5	27.6	30.1	31.4	33.2	33.9	33.6	34.1	34.4	33.8	31.3	28.1	26.5	25.4	24.7	24.3	23.4	27.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: CSI Serial Number: TC-107 Calibration Factor: 1.00 deg C/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.2	3	3	2.9	2.1	2.4	2.2	2.4	2.9	3.4	1.3	1.5	1.2	0.4	0.3	0.4	0.2	0.3	0	0	0.1	0.1	0.2	0.4	1.4
2	0.6	0.7	1.2	1.1	1.5	0.4	0.6	1.6	2.9	3.3	2.8	2.9	3.3	3.5	3.2	3.8	3.2	2.9	1.7	0.9	0.9	0.3	1	0.9	1.9
3	0.6	0.4	1	0.9	0.8	1.3	1.9	1.7	2.4	3.1	3.4	3.6	3.8	2.6	2.6	2.7	1.8	1.9	1.7	1.9	2	1.1	0.6	0.1	1.8
4	0.3	0	0.4	0.7	0.1	0.2	0.3	0.4	0.9	0.7	1.5	2	2.2	3.2	3.4	3.2	2.1	1.2	1	0.9	0.9	0.9	2	1.3	1.2
5	1.5	1.3	1.2	0.9	0.9	1.2	0.8	1.1	1.5	2.2	3.1	2.8	3.1	3.3	3.3	3.5	3.4	2.7	2.4	2.3	2	1.6	1.4	1	2
6	1	0.6	0.7	1.5	1.3	1.8	1.9	2	2.4	2.5	2.7	2.8	2.8	2.6	2.9	3.3	3.5	3.1	2.8	2.4	2.3	1.6	0.6	0	2.1
7	0.1	0.4	0.8	0.7	0.7	1	0.9	1.1	1	1.9	2.7	2.6	3.2	3.3	3.3	3.9	3.6	2.9	2.4	2.2	2.1	1.7	0.5	0.1	1.8
8	0	0.1	0.2	0.1	0.2	0.6	0.1	0.4	1.4	2.7	2.8	3.4	3.3	3.1	3.3	3.7	3.8	3.1	3	2.8	2	2	1.8	1.5	1.9
9	1.6	1.6	1.3	0.6	1.2	1.5	2.5	2.8	3.6	4	4.6	4.5	4.6	4	4.3	4.2	3.4	3.2	2.3	3.1	2.4	1.5	0.8	0.3	2.7
10	0.5	0.6	0.5	0.4	0.4	0.3	1.1	1.9	1.7	1.4	2	1.9	2.1	1.8	1.9	2.2	2.8	1.8	1.6	1.5	2	2.5	3.7	1.5	1.5
11	1.9	1.3	1.4	1.1	1.5	1.4	2.2	2.2	2.4	4.2	4	3.7	3.1	3.5	3.3	3.2	2.3	1.6	1.2	1.6	0.9	0.8	0.7	0.6	2.1
12	0.5	0.1	0.3	1	1.2	1.2	1.1	1.7	2.3	2.8	3.2	2.8	2.7	2.8	2.9	3.2	3.4	2.9	1.8	1.4	1.3	0.7	0.8	0.2	1.8
13	0.4	0.2	0.6	0.4	0.1	0.2	0	0	1.1	1.6	1.7	1.9	1.7	2.3	2.7	3.2	2.6	2.1	1.5	1.4	0.9	1.2	0.6	0.6	1.2
14	0.4	0.7	1.1	0.4	0.1	0.3	0.2	0	0.9	1.5	1.5	1.6	3.7	6	5.9	5.4	4.6	4.9	4.2	4.2	4.3	4.2	3.8	3.4	2.6
15	3.4	4.3	3.5	3.4	3.9	3.7	3.7	3.8	4	4.7	5.3	5.7	5.9	5.6	5.2	5.1	4.7	4.2	2.6	2.8	3.5	3	2.9	2.6	4.1
16	3	3.4	3.2	2.8	2.8	2.7	2.7	3	3.4	5.5	5.6	5.9	5.6	5.3	5.8	4.5	4.1	3.6	2.6	2.4	1.9	1.8	2.2	1.5	3.6
17	0.6	0.9	1.1	1	0.9	0.8	1.2	1.5	2.4	2.8	2.5	2.4	2.3	2.7	2.2	3.3	3.2	2.2	1.2	0.3	0.3	0	0	0	1.5
18	0.2	0	0	0	0	0.1	0	0	0.1	0.2	0.3	1.5	1.9	1.7	2.2	2.1	3.1	2.3	1.3	1.6	1.3	1.2	1.3	0.6	1
19	0.6	0.6	0.9	0	0	0	0	0	0.7	1.6	2	2.4	3.1	3.3	3.4	3.7	3.2	2.6	2.1	1.7	1.5	0.8	1.8	0.9	1.5
20	0.8	0.9	1.5	1.8	1.3	1.6	2.4	2.2	0.6	0.7	2	0.3	1.5	2.8	1.4	0.8	1	1.9	1.6	1	3.1	2.9	1.8	1	1.5
21	0.9	0.3	0.1	0.4	0.2	0.1	0.1	0.2	0.5	1.7	1.7	2.2	2.5	2.7	1.2	2	1.6	2.6	1.8	1.4	1.2	1.2	0.6	1.1	1.2
22	0.6	0.5	0.6	0.4	1	1.5	0.8	0.9	0.9	0.9	1.1	0.9	0.6	1.3	1.2	3	2.8	2.3	1.8	1.2	1.1	1.3	0.6	0.3	1.2
23	0.1	0.1	0	0	0	0.1	0.1	0.3	0.9	0.4	0.4	1.4	2.1	2	2	2.9	2.8	1	0.4	0.8	1.1	0.3	0.5	0.9	0.9
24	0	0	0	0	0.6	0.6	0.5	1.1	2.3	2.8	3.4	4.6	5.2	5.1	3.6	3.4	3.8	3.9	4.4	3.8	3	1.6	1.4	0.8	2.3
25	1.2	1.2	1.5	0.8	0.7	0.5	0.7	1	0.5	1	1	1.6	2.4	2.4	2.3	1.8	1.9	1.3	0.8	0.8	1.2	0.9	1.1	1.2	1.2
26	1.5	1.8	1.4	1	0.6	0.7	0.8	1.2	0.7	1.1	1.3	2.8	3	3.5	3.1	3.7	3	2.2	1.3	1.3	1.1	0.5	0.3	0.3	1.6
27	1.1	0.9	0.5	0.6	1.2	1.3	1	1.5	1.5	1.2	1.4	1.8	1.9	2.2	2.7	2.6	2.4	1	0.1	0.1	0.3	0.4	0.4	0.6	1.2
28	0.7	1.1	1.9	2.3	1.7	0.9	1.4	1.8	2.3	3.3	3.5	2.5	2.5	2	2.5	2.8	3.1	2.8	1.4	0.3	0.3	0.3	0.2	0.9	1.8
29	1.5	1.8	1.8	0.9	0.5	0.7	0.9	2.3	3	3.7	4.2	4.1	4.4	5.2	4.4	4.6	3.8	2.6	2.6	1.1	1	1.2	2	2.4	2.5
30	2	1.2	1.3	1.5	1.3	1.4	1.9	3.6	5.2	5.6	4.3	4.1	4.7	3.6	3.8	4.3	4.3	3.6	3.5	3.1	3.1	2.7	2	1.7	3.1

Avg	1	1	1.1	1	1	1	1.1	1.4	1.9	2.4	2.6	2.8	3	3.1	3	3.2	3	2.5	1.9	1.7	1.6	1.3	1.2	1	1.9
S D	0.9	1	0.9	0.9	0.9	0.9	1	1	1.2	1.5	1.4	1.3	1.3	1.3	1.3	1.1	1	1	1.1	1	1	0.9	0.9	0.9	0.8
S/A	0.89	1.03	0.82	0.89	0.91	0.84	0.88	0.73	0.65	0.6	0.55	0.48	0.43	0.41	0.43	0.35	0.34	0.4	0.55	0.63	0.63	0.72	0.74	0.91	0.4
Min	0	0	0	0	0	0	0	0	0.1	0.2	0.3	0.3	0.6	0.4	0.3	0.4	0.2	0.3	0	0	0.1	0	0	0	0.9
Max	3.4	4.3	3.5	3.4	3.9	3.7	3.7	3.8	5.2	5.6	5.6	5.9	5.9	6	5.9	5.4	4.7	4.9	4.4	4.2	4.3	4.2	3.8	3.7	4.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	122	120	124	120	117	123	136	134	156	200	178	215	219	229	182	177	197	122	162	132	235	148	210	222	146
2	225	234	241	244	247	244	293	289	303	303	300	290	293	313	306	299	293	310	309	296	273	239	258	264	292
3	234	209	225	229	212	248	236	285	270	281	287	296	287	292	284	301	305	290	316	322	325	326	319	123	286
4	170	226	160	206	184	220	172	157	178	159	135	136	136	128	133	124	110	106	133	113	95	107	119	115	130
5	131	127	125	117	137	137	156	205	257	265	281	286	301	303	291	316	309	309	305	296	279	285	297	290	288
6	251	234	223	235	226	237	235	237	254	290	285	299	289	286	295	314	315	314	321	318	320	324	331	113	289
7	164	206	220	224	235	242	245	254	283	320	348	331	322	333	7	6	12	6	349	356	352	359	21	18	341
8	17	327	8	297	253	295	246	321	307	358	358	4	7	1	338	353	347	357	345	348	351	353	352	345	351
9	351	334	316	314	296	301	329	342	325	341	12	6	14	354	2	358	8	347	350	344	354	353	25	26	351
10	22	21	349	299	343	9	350	10	20	64	71	95	95	58	81	54	54	22	24	28	103	113	148	172	68
11	173	184	169	204	206	211	237	253	260	268	275	281	295	238	252	267	277	263	251	252	248	233	206	210	251
12	201	189	172	197	209	208	212	233	266	292	251	267	279	301	302	309	309	312	297	302	295	260	280	242	279
13	219	219	223	262	218	214	204	218	302	337	301	349	353	299	322	358	15	18	5	18	34	49	59	64	349
14	53	48	59	91	188	219	209	209	190	190	212	252	250	236	242	250	246	249	256	259	260	238	251	250	245
15	279	273	264	246	242	240	253	241	256	262	278	272	277	282	274	279	277	278	261	245	252	255	243	240	264
16	243	232	250	240	240	237	250	248	275	278	291	287	278	279	280	267	275	268	249	244	241	234	221	208	263
17	206	174	178	188	195	185	188	218	243	253	271	282	305	299	300	298	307	307	327	14	340	131	134	111	273
18	127	149	154	186	201	203	211	175	128	114	26	337	326	352	330	26	18	11	22	23	29	23	30	34	8
19	27	9	9	26	12	12	10	12	3	304	334	341	346	327	335	325	355	343	346	345	356	25	12	26	344
20	1	360	6	13	5	8	30	80	152	350	48	85	64	35	75	28	339	350	350	22	11	12	29	38	24
21	34	31	64	59	73	241	186	336	2	332	333	340	324	320	61	336	1	32	25	22	54	71	84	94	6
22	101	97	89	109	129	129	123	124	153	145	197	176	268	313	345	16	17	10	360	7	12	25	37	88	39
23	85	145	178	109	95	56	56	134	139	59	57	312	323	325	33	28	24	115	31	38	52	41	31	38	22
24	77	40	62	44	66	89	40	25	49	63	28	28	19	45	36	42	29	53	50	58	93	49	43	56	44
25	128	126	129	127	112	121	157	169	193	166	177	143	167	151	155	178	151	166	172	171	173	180	183	183	158
26	179	183	193	178	185	196	177	198	208	149	111	128	168	130	138	118	145	157	137	137	150	170	156	130	151
27	165	144	109	86	122	122	117	138	146	158	79	115	128	109	123	133	129	126	158	45	59	93	98	102	124
28	95	173	243	232	229	201	214	235	234	234	236	243	239	236	230	239	251	241	229	218	208	192	166	192	232
29	199	202	200	186	159	164	173	204	238	245	231	223	231	242	251	241	235	228	217	177	179	209	227	224	226
30	222	179	178	201	209	193	215	239	236	234	230	226	227	216	208	219	230	215	205	208	214	228	216	203	220
Avg	192	196	206	210	212	208	225	234	256	273	288	294	294	297	295	311	319	317	316	322	317	307	257	206	286
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: NRG 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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	4.7	4.4	4.5	4.5	3.2	3.7	3.4	3.7	4.9	6.3	2.8	3.1	2.1	1	1.1	1	0.7	0.7	0.1	0.1	0.3	0.2	0.5	0.9	2.4
2	1.3	1.4	2.2	2.2	2.6	1.1	1.7	2.9	4.6	5	4.6	4.7	5.3	5.8	5.1	5.7	5	4.4	2.6	1.5	1.7	0.8	1.5	1.5	3.1
3	1.1	0.9	1.4	1.3	1.3	2	2.9	3.3	4	5.2	5.4	5.8	5.9	4.5	4.3	3.9	2.8	2.9	2.8	2.9	3	1.8	1.1	0.2	2.9
4	0.9	0.2	0.9	1.2	0.3	0.5	0.8	1.1	1.7	1.5	2.4	3.2	3.5	5.3	5.3	4.9	3.4	2.1	1.6	1.5	1.4	1.4	2.7	1.9	2.1
5	2.3	2	1.8	1.5	1.4	1.8	1.8	2.4	2.7	3.6	5	4.5	4.9	5.2	4.8	5.6	5.1	4.2	3.6	3.6	3.2	2.5	2.3	1.6	3.2
6	1.7	0.9	1.3	2	2.2	2.6	3	3.2	4	4.3	4.5	4.6	4.7	4.2	4.6	4.8	5.3	4.7	4	3.5	3.4	2.4	1.1	0	3.2
7	0.3	0.8	1.2	1.1	1.1	1.4	1.4	1.9	2	3.3	4.3	4.1	4.7	4.9	5.1	5.4	5.2	4.3	3.5	3.3	2.9	2.5	1.2	0.4	2.8
8	0.1	0.2	0.6	0.4	0.6	1	0.5	1	2.3	4	4.5	5.2	5	4.9	5.1	5.6	5.9	4.5	4.8	4.5	3.1	3	2.9	2.3	3
9	2.3	2.4	1.8	1	1.7	2.2	3.6	4.1	5.6	5.9	6.8	6.4	6.9	6	6.3	6	5.2	4.8	3.5	4.5	3.6	2.3	1.4	0.9	4
10	0.9	1	0.9	0.9	0.8	0.8	0.6	1.9	3.1	2.7	2.7	3.6	3.6	3.7	3.3	3.4	3.5	3.9	2.8	2.4	2.4	2.9	4.2	6.7	2.6
11	3.6	2.7	2.9	2.2	2.6	2.6	3.4	3.8	4.3	6.9	6	6	5.1	6.1	5.8	5.1	4	2.5	2.3	2.5	1.6	1.2	1.1	1	3.6
12	0.9	0.4	0.6	1.5	1.8	1.9	2	2.9	3.7	4.5	5.3	4.8	4.7	4.6	4.7	5	5	4.5	2.7	2.3	2	1.3	1.5	0.4	2.9
13	0.7	0.4	0.8	0.6	0.2	0.4	0	0.2	2.1	2.8	3.1	3.5	3.2	3.8	4.1	4.4	3.9	3	2.3	2.2	1.5	1.7	1	1	2
14	0.7	1	1.5	0.7	0.3	0.6	0.4	0	2.2	3.1	3.4	3.3	6.1	9.2	9.1	8.7	7.9	8.1	6.4	6.7	6.9	6.8	6.2	5.3	4.3
15	5.6	7.1	6.5	5.5	6.1	5.7	5.9	6.2	6.4	7.7	8.8	9.1	9.3	8.9	8	8.2	7.8	6.9	4.5	4.4	5.4	4.9	4.7	3.9	6.6
16	4.6	5.5	4.9	4.4	4.1	4.2	4.2	4.7	6.1	8.6	8.4	9.1	8.9	8.3	9	7.3	6.4	6.1	4.5	4	3.4	3.1	3.8	2.7	5.7
17	1.5	1.8	2.1	2	1.8	1.7	2.4	3	4	4.9	3.9	4	4.1	4.3	3.9	5.1	4.9	3.7	2	0.6	0.7	0	0	0	2.6
18	0.5	0	0	0	0.1	0.3	0	0.2	0.3	0.9	1.1	2.7	3	3.2	3.2	3.4	4.5	3.5	2	2.3	2.2	1.7	2	1.1	1.6
19	1	0.9	1.3	0.2	0	0	0	0.2	1.6	2.5	3.2	3.7	4.5	4.8	5	5.5	4.8	3.9	3.1	2.7	2.3	1.6	2.7	1.7	2.4
20	1.5	1.6	2.1	2.5	2	2.6	3.6	3.6	1.3	1.5	3.4	1	3.1	4.4	2.6	1.9	1.8	2.9	2.5	1.9	4.4	4	2.8	1.8	2.5
21	1.8	0.9	0.4	1.2	0.6	0.4	0.3	0.6	1	2.7	2.8	3.3	3.6	3.8	2.6	3	2.8	3.7	2.6	2.2	2.1	2.1	1.3	1.9	2
22	1.2	1.1	1.5	1.1	1.7	2.4	1.6	1.7	1.8	2	2.3	2.1	1.6	2.3	2.1	4.4	4.1	3.5	2.7	2	1.7	1.9	1.3	1	2.1
23	0.6	0.4	0.1	0.1	0.1	0.4	0.4	1.1	1.9	1.2	1.3	2.1	3.1	3.2	3.3	4.4	4.1	2.3	0.9	1.4	1.8	0.8	1.1	1.6	1.6
24	0.1	0	0	0.2	1.6	1.8	1.3	2.1	3.9	4.4	5.5	6.6	7.8	8	5.7	5.6	5.6	6.3	6.7	6.3	5.6	2.9	2.3	1.8	3.8
25	2	2.4	2.8	2	1.6	1.2	1.6	2.3	1.8	2.3	2.2	2.9	3.9	4.3	3.9	3.3	3.4	2.5	1.7	1.8	2.9	2.6	2.8	2.7	2.5
26	3	3.6	3	2.4	1.7	1.7	2	2.9	1.8	2.2	2.5	4.5	5.5	6.1	5	5.9	5	3.7	2.1	2.1	1.8	1	0.8	0.7	3
27	1.8	1.3	0.8	0.9	1.6	1.7	1.4	2.4	2.6	2.5	2.8	3.4	3.5	4.2	4.8	4.4	3.5	1.6	0.2	0.2	0.7	0.9	0.9	1	2
28	1.3	2.2	3	3.7	2.8	1.8	2.4	3.4	4.4	5.4	5.4	4.4	4.5	3.6	4.4	4.8	5.2	4.4	2.5	0.8	0.9	0.9	1	1.9	3.1
29	2.8	3.3	3.2	2.1	1.1	1.3	2.1	4.5	5	6.3	7	7.1	7.3	8.3	7.6	7.5	6.4	4.4	4.6	2.3	2.1	2.3	3.4	3.9	4.4
30	3.5	2.5	2.7	2.9	2.4	2.6	3.6	6.5	8.6	9	7.4	7.2	8	6.3	7.4	7.5	7.2	6.6	6.6	6.4	6.2	4.8	4	3.4	5.5
Avg	1.8	1.8	1.9	1.7	1.6	1.8	1.9	2.6	3.3	4.1	4.3	4.5	4.9	5.1	4.9	5.1	4.7	4	3.1	2.8	2.7	2.2	2.1	1.8	3.1
SD	1.4	1.7	1.5	1.4	1.3	1.2	1.4	1.7	1.9	2.2	2	1.9	1.9	1.9	1.9	1.7	1.6	1.6	1.7	1.7	1.6	1.5	1.4	1.5	1.2
S/A	0.78	0.94	0.8	0.78	0.79	0.71	0.74	0.64	0.56	0.53	0.47	0.43	0.39	0.38	0.39	0.34	0.35	0.4	0.54	0.62	0.61	0.66	0.67	0.83	0.39
Min	0.1	0	0	0	0	0	0	0	0.3	0.9	1.1	1	1.6	1	1.1	1	0.7	0.7	0.1	0.1	0.3	0	0	0	1.6
Max	5.6	7.1	6.5	5.5	6.1	5.7	5.9	6.5	8.6	9	8.8	9.1	9.3	9.2	9.1	8.7	7.9	8.1	6.7	6.7	6.9	6.8	6.2	6.7	6.6
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1010	1010	1010	1010	1010	1010	1011	1011	1012	1012	1013	1013	1013	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1012
2	1013	1013	1013	1013	1013	1014	1014	1015	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1016	1016	1016	1016	1016	1015
3	1016	1016	1015	1015	1015	1015	1016	1016	1016	1017	1016	1016	1016	1015	1015	1015	1015	1014	1014	1015	1015	1015	1014	1015	1015
4	1015	1015	1015	1014	1014	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1014	1013	1013	1013	1014	1014	1014	1014	1014	1014
5	1014	1014	1014	1014	1014	1014	1015	1016	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1016
6	1019	1019	1019	1019	1020	1020	1021	1021	1021	1022	1021	1021	1021	1020	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1020
7	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018
8	1018	1017	1017	1017	1017	1017	1018	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1018	1018	1018	1018	1018	1018	1019	1018
9	1019	1018	1018	1018	1019	1019	1020	1020	1020	1021	1020	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
10	1019	1019	1019	1018	1018	1018	1019	1019	1020	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018
11	1017	1017	1017	1017	1017	1018	1018	1018	1019	1019	1020	1019	1019	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018
12	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1020	1020	1019	1019	1019	1018	1019	1019	1019	1019	1020	1020	1019	1019
13	1019	1019	1019	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1018
14	1015	1015	1014	1014	1014	1015	1015	1015	1016	1016	1016	1015	1015	1015	1015	1016	1016	1017	1017	1017	1018	1018	1018	1018	1016
15	1017	1017	1016	1016	1016	1016	1017	1017	1017	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1015	1015	1016	1016
16	1015	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1014
17	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1017	1017	1017	1016	1016
18	1016	1016	1016	1015	1015	1015	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016
19	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017
20	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016
21	1014	1014	1014	1014	1014	1015	1015	1016	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014
22	1014	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1015	1015	1014	1014	1015	1015	1015	1015	1016	1016	1016	1015
23	1015	1015	1015	1015	1015	1016	1016	1017	1017	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1016
24	1015	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1011	1010	1009	1009	1009	1008	1008	1008	1008	1007	1007	1007	1011
25	1008	1008	1007	1007	1008	1008	1009	1009	1010	1010	1011	1011	1011	1011	1011	1011	1011	1011	1011	1012	1013	1014	1014	1014	1010
26	1014	1014	1014	1014	1014	1014	1015	1016	1016	1017	1016	1016	1015	1015	1014	1014	1014	1014	1015	1015	1015	1016	1016	1016	1015
27	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1013	1012	1012	1011	1011	1011	1011	1011	1012	1012	1012	1011	1013
28	1011	1011	1011	1011	1012	1012	1013	1013	1013	1014	1014	1014	1013	1013	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1013
29	1015	1015	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1015	1015
30	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1014
Avg	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017	1017	1016	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016
SD	3	3	3	3	3	3	3	3	3	3	2	2	3	2	2	2	2	2	2	2	3	3	3	2	
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Min	1008	1008	1007	1007	1008	1008	1009	1009	1010	1010	1011	1011	1011	1010	1009	1009	1009	1008	1008	1008	1008	1007	1007	1007	1010
Max	1019	1019	1019	1019	1020	1020	1021	1021	1021	1022	1021	1021	1021	1020	1020	1020	1019	1019	1019	1019	1020	1020	1019	1019	1020
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640	

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

Instrument: Viasala PTA-427 Serial Number: 493926 Calibration Factor: 0.104 mBar/mV + 800 mBar Calibration Date: 06/1995

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

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

Prepared by: Afshin M. Andreas, NREL