

September 2003

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	15	104	244	417	499	740	732	741	776	557	370	152	116	18	0	0	0	0	0	5483
2	0	0	0	0	0	11	99	285	446	621	779	800	853	704	626	459	226	104	17	0	0	0	0	0	6028
3	0	0	0	0	0	7	90	257	419	455	555	593	426	620	477	268	165	143	14	0	0	0	0	0	4490
4	0	0	0	0	0	12	111	249	381	603	756	601	473	456	356	386	53 ?	27	2	0	0	0	0	0	4464
5	0	0	0	0	0	6	31	195	338	530	801	859	857	786	647	476	289	102	10	0	0	0	0	0	5926
6	0	0	0	0	0	19	99	225	338	390	401	418	300	304	239	248	215	72	23	0	0	0	0	0	3290
7	0	0	0	0	0	6	37	187	467	662	835	594	532	580	480	342	217	89	18	0	0	0	0	0	5045
8	0	0	0	0	0	4	49	127	345	501	475	730	737	621	431	230	121	33	4	0	0	0	0	0	4409
9	0	0	0	0	0	3	49	159	365	490	534	467	357	289	214	80 ?	?	28	3	0	0	0	0	0	3037
10	0	0	0	0	0	3	46	197	194	359	398	517	434	507	438	441	193	96	9	0	0	0	0	0	3830
11	0	0	0	0	0	8	90	282	434	458	600	580	571	636	530	342	245	109	12	0	0	0	0	0	4897
12	0	0	0	0	0	0	3 ?	?	?	54 ?	160	178	93	243	329	266	138	24	3	0	0	0	0	0	1492 ?
13	0	0	0	0	0	2	26	51	87	144	153	264	511	689	378	414	191	27	4	0	0	0	0	0	2941
14	0	0	0	0	0	4	77	271	338	457	665	375	294	264	374	300	198	68	8	0	0	0	0	0	3695
15	0	0	0	0	0	2	17	91	243	263	154	390	463	345	597	426	247	66	1	0	0	0	0	0	3304
16	0	0	0	0	0	3	69	241	439	613	743	810	807	737	608	444	250	65	3	0	0	0	0	0	5834
17	0	0	0	0	0	2	75	244	384	313	533	680	630	383	153	45	28	15	2	0	0	0	0	0	3487
18	0	0	0	0	0	1	4 ?	33 ?	47 ?	50 ?	?	65 ?	64 ?	?	?	?	?	1 ?	0	0	0	0	0	0	265 ?
19	0	0	0	0	0	5	48 ?	?	?	?	?	?	?	?	?	?	?	40 ?	0	0	0	0	0	0	93 ?
20	0	0	0	0	0	4	46 ?	?	?	?	494	503 ?	?	?	?	?	?	49	0	0	0	0	0	0	1096 ?
21	0	0	0	0	0	4	64 ?	?	?	?	?	?	?	?	?	?	?	27	0	0	0	0	0	0	94 ?
22	0	0	0	0	0	5	46	174 ?	292 ?	337 ?	456 ?	407	423 ?	367 ?	324 ?	140 ?	101	41	0	0	0	0	0	0	3113 ?
23	0	0	0	0	0	1	9	37 ?	39 ?	94	248	429	487 ?	448 ?	350 ?	237	166 ?	74	0	0	0	0	0	0	2619 ?
24	0	0	0	0	0	2	51	?	?	?	?	?	?	?	176 ?	180 ?	?	40	0	0	0	0	0	0	449 ?
25	0	0	0	0	0	2	41 ?	?	?	?	?	?	?	?	?	?	?	43	0	0	0	0	0	0	86 ?
26	0	0	0	0	0	3	50	?	?	?	?	?	288 ?	?	?	184 ?	?	37	0	0	0	0	0	0	562 ?
27	0	0	0	0	0	2	45	?	?	?	369 ?	325 ?	390	366 ?	339 ?	118	43	15	0	0	0	0	0	0	2012 ?
28	0	0	0	0	0	1	10	127	233	319 ?	280	341 ?	382 ?	274 ?	365 ?	174 ?	53 ?	7	0	0	0	0	0	0	2565 ?
29	0	0	0	0	0	1	47	?	?	?	?	?	?	?	?	104 ?	?	42	0	0	0	0	0	0	194 ?
30	0	0	0	0	0	0	40	119 ?	?	?	?	?	?	235 ?	?	?	?	40	0	0	0	0	0	0	434 ?
Avg	0	0	0	0	0	5	52	181	312	391	506	507	483	483	408	278	165	55	5	0	0	0	0	0	2841 ?
S D	0	0	0	0	0	4	30	81	132	187	219	207	216	188	145	132	77	36	7	0	0	0	0	0	1982
S/A	0	0	0	0	0	0.95	0.58	0.45	0.42	0.48	0.43	0.41	0.45	0.39	0.36	0.47	0.47	0.66	1.37	0	0	0	0	0	0.7
Min	0	0	0	0	0	0	3	33	39	50	153	65	64	235	153	45	28	1	0	0	0	0	0	0	86
Max	0	0	0	0	0	19	111	285	467	662	835	859	857	786	647	476	289	143	23	0	0	0	0	0	6028
n	0	0	0	0	0	82	330	228	220	226	247	251	235	227	229	244	220	334	62	0	0	0	0	0	3149

Daylight Data Recovery: 0.0% missing; 29.3% exceed the 15% QC threshold -- 4451 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 2003

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	16	215	467	407	277	565	505	548	666	439	297	89	263	59	0	0	0	0	0	4813
2	0	0	0	0	0	15	252	511	451	543	617	550	663	544	535	440	201	107	6	0	0	0	0	0	5433
3	0	0	0	0	0	2	172	307	205	266	309	347	163	270	269	76	43	232	1	0	0	0	0	0	2664
4	0	0	0	0	0	22	270	354	417	577	590	416	233	252	177	295	1	1	0	0	0	0	0	0	3604
5	0	0	0	0	0	0	0	52	121	311	681	779	784	756	642	503	480	282	28	0	0	0	0	0	5418
6	0	0	0	0	0	40	236	251	229	51	23	17	1	4	3	30	76	30	26	0	0	0	0	0	1016
7	0	0	0	0	0	2	17	141	622	591	673	185	191	212	171	74	160	36	0	0	0	0	0	0	3074
8	0	0	0	0	0	0	1	10	75	136	15	297	362	294	75	2	0	0	0	0	0	0	0	0	1266
9	0	0	0	0	0	0	1	38	117	163	253	52	21	27	16	0	0	1	0	0	0	0	0	0	689
10	0	0	0	0	0	0	2	59	16	65	54	164	32	121	121	369	97	300	8	0	0	0	0	0	1408
11	0	0	0	0	0	32	338	585	461	213	263	169	110	276	301	148	152	84	6	0	0	0	0	0	3139
12	0	0	0	0	0	0	0	0	0	0	2	1	0	2	6	29	16	0	0	0	0	0	0	0	57
13	0	0	0	0	0	0	0	0	1	1	1	5	136	326	120	469	143	0	0	0	0	0	0	0	1203
14	0	0	0	0	0	1	23	409	399	248	507	51	15	3	52	128	131	120	17	0	0	0	0	0	2107
15	0	0	0	0	0	0	0	1	28	29	0	82	206	90	626	627	487	244	22	0	0	0	0	0	2443
16	0	0	0	0	0	0	143	390	552	678	751	774	773	752	727	682	571	289	48	0	0	0	0	0	7130
17	0	0	0	0	0	0	255	488	384	22	224	413	251	17	0	0	0	0	0	0	0	0	0	0	2055
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3
19	0	0	0	0	0	3	42 ?	?	?	?	?	?	?	?	?	?	?	45 ?	0	0	0	0	0	0	89 ?
20	0	0	0	0	0	3	30 ?	?	?	?	29	18 ?	?	?	?	?	?	22	0	0	0	0	0	0	102 ?
21	0	0	0	0	0	1	30	?	?	?	?	?	?	?	?	?	?	5	0	0	0	0	0	0	36 ?
22	0	0	0	0	0	0	0	13 ?	35 ?	19 ?	19 ?	9	11 ?	14 ?	7 ?	5 ?	1	0	0	0	0	0	0	0	133 ?
23	0	0	0	0	0	0	0	0	0	0	4	10	15 ?	18 ?	22 ?	16	15 ?	20	0	0	0	0	0	0	121 ?
24	0	0	0	0	0	0	23	?	?	?	?	?	?	?	3 ?	5 ?	?	18	0	0	0	0	0	0	50 ?
25	0	0	0	0	0	0	26	61 ?	?	?	?	?	?	?	?	?	?	19	0	0	0	0	0	0	106 ?
26	0	0	0	0	0	0	12	?	?	?	?	9 ?	2 ?	?	?	20 ?	?	12	0	0	0	0	0	0	55 ?
27	0	0	0	0	0	0	34	?	?	?	18 ?	10 ?	5	9 ?	14 ?	1	0	0	0	0	0	0	0	0	92 ?
28	0	0	0	0	0	0	0	4	8	14 ?	4	9 ?	12 ?	6 ?	17 ?	5 ?	1 ?	0	0	0	0	0	0	0	81 ?
29	0	0	0	0	0	0	42	?	?	?	?	?	?	?	?	7 ?	?	19	0	0	0	0	0	0	67 ?
30	0	0	0	0	0	0	21	22 ?	?	?	?	?	?	7 ?	?	?	?	5	0	0	0	0	0	0	54 ?
Avg	0	0	0	0	0	5	73	181	216	200	244	203	197	203	189	169	121	72	7	0	0	0	0	0	1617 ?
S D	0	0	0	0	0	10	105	207	213	223	278	249	256	253	239	221	172	105	15	0	0	0	0	0	1992
S/A	0	0	0	0	0	2.2	1.44	1.14	0.99	1.12	1.14	1.23	1.3	1.25	1.26	1.31	1.42	1.46	2.03	0	0	0	0	0	1.23
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Max	0	0	0	0	0	40	338	585	622	678	751	779	784	756	727	682	571	300	59	0	0	0	0	0	7130
n	0	0	0	0	0	82	347	256	244	241	261	258	244	240	241	262	253	338	62	0	0	0	0	0	3339

Daylight Data Recovery: 0.0% missing; 25.0% exceed the 15% QC threshold -- 4451 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

September 2003

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	18	65	104	180	274	233	243	219	181	214	188	117	65	16	0	0	0	0	0	2116
2	0	0	0	0	0	11	53	91	182	203	223	274	227	212	206	188	136	84	17	0	0	0	0	0	2106
3	0	0	0	0	0	8	58	136	289	244	261	255	270	380	258	224	141	99	14	0	0	0	0	0	2636
4	0	0	0	0	0	13	67	113	130	173	239	205	247	231	217	203	51 ?	26	2	0	0	0	0	0	1917
5	0	0	0	0	0	6 ?	32	171	264	284	213	143	132	132	160	177	103	51	9	0	0	0	0	0	1878
6	0	0	0	0	0	22 ?	62	131	195	346	380	403	305	306	240	229	177	69	22	0	0	0	0	0	2888
7	0	0	0	0	0	7 ?	33	115	104	217	245	387	347	367	338	291	141	83	18	0	0	0	0	0	2691
8	0	0	0	0	0	6 ?	50	124	290	376	452	431	365	332	353	233	124	34	4	0	0	0	0	0	3173
9	0	0	0	0	0	4 ?	49	139	281	335	304	404	334	265	203	69	23	30	4	0	0	0	0	0	2442
10	0	0	0	0	0	4 ?	46	169	181	297	340	349	387	373	323	209	142	41	8	0	0	0	0	0	2870
11	0	0	0	0	0	6	34	64	163	276	343	396	443	378	289	246	186	91	12	0	0	0	0	0	2928
12	0	0	0	0	0	0	6	?	27	52	166	186	97	251	335	251	125	25	3	0	0	0	0	0	1524
13	0	0	0	0	0	2	26	53	91	149	159	266	370	381	278	161	132	28	4	0	0	0	0	0	2100
14	0	0	0	0	0	5 ?	53	94	121	261	238	321	287	270	335	222	146	48	8	0	0	0	0	0	2410
15	0	0	0	0	0	3 ?	17	93	225	244	163	290	258	241	149	89	82	33	1	0	0	0	0	0	1886
16	0	0	0	0	0	3	46	101	133	132	124	122	123	119	104	84	60	27	3	0	0	0	0	0	1181
17	0	0	0	0	0	3	32	69	168	293	316	280	376	361	157	45	28	15	2	0	0	0	0	0	2145
18	0	0	0	0	0	1	4 ?	34 ?	42	39	42	61	52	36 ?	32 ?	?	12 ?	2 ?	0	0	0	0	0	0	356 ?
19	0	0	0	0	0	6 ?	25 ?	?	?	?	?	?	?	?	?	?	?	14 ?	0	0	0	0	0	0	45 ?
20	0	0	0	0	0	5 ?	28 ?	?	?	?	378	391 ?	?	?	?	?	?	31	0	0	0	0	0	0	833 ?
21	0	0	0	0	0	6 ?	33	?	?	?	?	?	?	?	?	?	?	22	0	0	0	0	0	0	61 ?
22	0	0	0	0	0	6 ?	46	149 ?	184 ?	282 ?	365 ?	363	338 ?	281 ?	302 ?	119 ?	102	41	0	0	0	0	0	0	2578 ?
23	0	0	0	0	0	2 ?	9	38 ?	35	93	247	395	410 ?	362 ?	251 ?	198	137 ?	55	0	0	0	0	0	0	2232 ?
24	0	0	0	0	0	2	22	?	?	?	?	?	?	?	163 ?	157 ?	?	20	0	0	0	0	0	0	364 ?
25	0	0	0	0	0	2	33	115 ?	?	?	?	?	?	?	?	?	?	19	0	0	0	0	0	0	169 ?
26	0	0	0	0	0	?	40	?	?	?	?	176 ?	283 ?	?	?	90 ?	?	19	0	0	0	0	0	0	607 ?
27	0	0	0	0	0	1	24	?	?	?	288 ?	270 ?	364	314 ?	266 ?	115	40	16	0	0	0	0	0	0	1699 ?
28	0	0	0	0	0	?	10	123	220	274 ?	271	300 ?	308 ?	252 ?	261 ?	155 ?	53 ?	7	0	0	0	0	0	0	2235 ?
29	0	0	0	0	0	?	29	?	?	?	?	?	?	?	?	77 ?	?	15	0	0	0	0	0	0	121 ?
30	0	0	0	0	0	0	20	77 ?	?	?	?	?	?	155 ?	?	?	?	17	0	0	0	0	0	0	270 ?
Avg	0	0	0	0	0	6	35	105	167	231	260	288	284	269	236	167	103	38	5	0	0	0	0	0	1682 ?
S D	0	0	0	0	0	5	17	38	80	93	94	101	104	96	82	67	51	26	7	0	0	0	0	0	1011
S/A	0	0	0	0	0	0.91	0.5	0.36	0.48	0.41	0.36	0.35	0.37	0.36	0.35	0.4	0.5	0.7	1.34	0	0	0	0	0	0.6
Min	0	0	0	0	0	0	4	34	27	39	42	61	52	36	32	45	12	2	0	0	0	0	0	0	45
Max	0	0	0	0	0	22	67	171	290	376	452	431	443	381	353	291	186	99	22	0	0	0	0	0	3173
n	0	0	0	0	0	62	344	230	239	241	259	258	245	234	236	250	241	335	62	0	0	0	0	0	3246

Daylight Data Recovery: 0.0% missing; 27.1% exceed the 15% QC threshold -- 4451 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 $\mu\text{V}/\text{W}/\text{m}^2$ 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

September 2003

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	22.3	22.3	22.3	22.5	22.7	22.7	23.1	24.2	25.7	26.7	27.9	29.1	29.8	30.3	30.9	31.1	30.5	29.8	28.3	27	26.4	25.9	25.7	25.3	26.4
2	25	24.7	24.5	24.2	24	23.8	24	25.3	26.5	27.6	28.4	29.2	30.3	30.5	31.4	31.1	30.8	30.4	29.2	27.9	26.9	26.3	26	25.8	27.2
3	25.2	25.1	24.9	24.4	24.2	24.1	24.5	25.5	26.6	27.7	28.4	29.4	29.7	30.7	30.8	30.9	27.1	25.2	25.9	26	26.1	26	25.9	25.8	26.7
4	25.7	25.4	25.1	24.9	24.5	24.7	25.2	26	26.7	28	29	29.5	29.9	30.2	30.4	28.1	27.5	24.7	23.6	22	21.7	21.6	21.2	21.1	25.7
5	21.1	20.8	20.5	20.5	20.3	20	20.3	21.1	22.9	23.8	25.4	25.8	26.6	26.9	27.1	26.3	25.4	24.4	23.1	22	21.2	20.8	19.8	19	22.7
6	18.7	18.3	18	17.7	17.5	17.1	17.8	19.9	21.1	22.4	23.1	23.6	23.4	23.3	23.1	23.1	23	22.3	21.6	21	20.3	19.8	19.3	19	20.6
7	18.5	18.5	18.7	18.8	18.8	18.5	18.6	19.9	22.7	24.3	24.8	24.7	24.6	24.6	24.6	24.3	23.8	23.1	22.5	22	21.7	21.6	21.6	21.6	21.8
8	21.6	20.9	20.8	20.9	20.6	20.1	20.4	21.6	23	24	24.2	24.8	25.3	25.3	24.9	23.9	23.3	22.8	22.4	22.3	22.4	22.1	22.3	22.7	22.6
9	22.6	21.8	20.9	21	21.7	22.4	22.6	23.2	24.2	24.9	24.8	25	24.8	24.5	24	23.3	21.9	21.5	21.2	20.9	20.4	20	20.2	20.2	22.4
10	20.4	20.4	20.4	21.1	21.7	21.2	21	21.5	21.7	22.2	22.4	22.5	22.1	21.8	21.5	21.4	20.6	20.1	18.8	18.1	17.3	17	16.8	16.6	20.4
11	16.5	15.9	15.9	15.9	16	16	17	18.9	21.6	22.9	23.3	23.9	23.7	23.8	23.7	23.2	22.8	22.2	21.5	20.7	21.3	21.6	21.6	21.1	20.4
12	21.8	21.7	21.5	21.1	21	20.6	20.6	20.7	21	21.7	22.5	23.5	23	23.4	24.2	24.7	24.7	23.6	22.9	22.9	22.3	22.3	22	22.6	22.3
13	22.5	21.9	21.5	21.1	20.8	20.6	20.4	20.3	20.4	20.7	21	21.2	22.6	23.8	24	24.5	24.1	23.3	22.5	22.2	22	21.5	20.9	20.3	21.8
14	20.2	20	19.9	19.8	19.3	19.2	19.1	20.7	23	23.8	25.5	26.5	26.2	26	25.7	26.1	25.7	24.9	23.7	23	22.7	22.6	22.7	22.7	22.9
15	22.6	22.5	22.4	22	21.6	21.4	21.4	22	22.7	24.5	24.1	23.3	25.6	25.4	27.3	27.9	27.7	26.5	25	23.3	22.6	22.2	21.7	21.5	23.6
16	21.1	20.7	20.7	21.2	20.9	20.2	19.9	20.6	22.1	23.7	24.3	24.8	25.4	25.5	25.5	25.2	24.7	23.6	21.8	20.9	20.2	19.4	18.9	18.5	22.1
17	18.2	18	18.2	18.2	18.1	17.9	18.3	20.4	22.7	23.1	23.9	24.1	24.2	23.5	22.6	21.9	21.5	21.2	21.1	20.7	21.2	21.5	21.7	21.7	21
18	22	22.3	22.9	22.7	22.6	22.5	22.5	22.4	22.7	23.1	23.3	23.6	23.5	22.9	22.6	22.8	22.6	22.1	21.5	20.7	20.5	20.3	20.4	21	22.2
19	22.1	23.2	23.6	24	24.1	23.7	23.8	24.8	25.9	27	27.6	28.2	28.8	29.5	29.8	29.8	29.8	28.5	25.7	24	23.1	22.3	21.8	21.2	25.5
20	20.7	20.2	20	19.6	18.9	18.7	19	20.9	23.4	26.4	28.5	28.7	29.6	29.5	29.1	29.3	28.7	27.3	24.8	23.5	22.6	21.8	21.4	21	23.9
21	20.6	20.5	20.1	19.9	19.6	19.1	18.8	21.8	24.5	26.2	27.4	27.9	27.9	27.8	27.5	27	26.2	24.7	23.2	22.3	21.9	21.6	21.2	21.2	23.3
22	20.9	20.7	20.6	20.4	20.7	20.2	20.1	21.6	23.9	25.6	26.5	26.8	27.4	27.6	27.3	27.1	26	25.4	24.6	24	23.8	24.1	24.1	24.1	23.9
23	23.7	23.1	23.1	22.8	23	23.1	23.3	23.3	23	21.7	21.8	23	24.3	24.9	25.9	25.5	25.5	25.1	23.2	21.9	20.7	20.5	20.3	19.6	23
24	19.4	19.1	18.7	18.2	17.4	16.8	17.3	19.6	22.3	24.6	25.5	26.1	26.1	26.1	25.2	25.6	25.5	24.1	22.3	21.4	20.8	20.7	20.5	20	21.8
25	19.7	19.4	19.2	18.8	17.6	16.7	17	20.4	23.9	25.6	25.9	26.6	27.5	27.2	26.9	26.5	25.5	24.2	22.6	22	21.6	21	20.7	20	22.3
26	19.9	19.5	18.8	18.8	18.8	18.7	18.1	20.7	23.9	25.9	27	27.1	26.7	26.8	26.9	26.3	26.1	24.7	23.1	22.4	22.1	22	22	22.1	22.8
27	22.2	22.4	22.3	22.1	22.1	21.9	21.9	23.4	25.1	26.4	27.3	27.8	27.4	26.8	26	23.4	21.8	21.1	21.5	21.8	21.8	22.2	21.8	21.7	23.4
28	21.6	21.4	21.3	21.2	21	21	20.9	20.9	21.6	23.1	24	24.8	25.2	25.3	25.6	25.6	25.4	22.4	21.8	21.2	20.4	20	19	18	22.2
29	17.5	16.5	15.3	14.2	13.4	12.8	12.7	14.2	16.7	18	18.9	20	20.5	21	21.6	20.7	20.6	19.2	17.5	16.2	15.3	14.6	14.2	14.1	16.9
30	14.1	14.1	13.9	13.9	13.3	13.3	13.3	14.6	16.5	17.8	18.8	19.8	20.4	20.5	21.3	20.2	19.6	18	16.9	16.5	16.2	15.9	15.4	14.4	16.6
Avg	20.9	20.7	20.5	20.4	20.2	20	20.1	21.3	22.9	24.1	24.8	25.4	25.8	25.8	25.9	25.6	24.9	23.9	22.8	22	21.6	21.3	21	20.8	22.6
S D	2.5	2.6	2.7	2.7	2.9	3	3	2.7	2.4	2.6	2.7	2.7	2.8	2.9	3	2.9	2.8	2.6	2.5	2.5	2.5	2.6	2.6	2.8	2.4
S/A	0.12	0.13	0.13	0.13	0.14	0.15	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.13	0.1	0.1
Min	14.1	14.1	13.9	13.9	13.3	12.8	12.7	14.2	16.5	17.8	18.8	19.8	20.4	20.5	21.3	20.2	19.6	18	16.9	16.2	15.3	14.6	14.2	14.1	16.6
Max	25.7	25.4	25.1	24.9	24.5	24.7	25.2	26	26.7	28	29	29.5	30.3	30.7	31.4	31.1	30.8	30.4	29.2	27.9	26.9	26.3	26	25.8	27.2
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 2003

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	?	?	?	?	?	?	?	104 ?	100.5	96.4	89.8	80.8	76	73.1	72.5	69.5	73.9	80.3	84.8	91.3	95.3	96.7	97.2	99.3	87.1 ?
2	100.5	101.2	101.7	102.5	103.4	104.3	104.3	99.4	94.5	86.9	82.7	79	75.3	73.3	67.9	68.3	69.4	73	80.3	88.5	94.2	98.3	99.3	100.8	89.6
3	102.3	102.9	99.8	100.5	102	102.5	101.7	99	96.3	92.3	87.7	83.1	77.7	72.5	71.1	69.2	85.7	99.9	100.9	100.2	99.8	98.5	98.5	99.2	93.5
4	100.1	100.6	101.2	101.3	102.2	102.3	101.5	99	94.5	85.9	81	77.9	76.9	76.5	76.1	87.9	91.2	102.4	101.6	103.8	?	?	?	?	93.2 ?
5	?	?	?	?	?	?	?	104.2 ?	99.3	93.3	78.7	69.5	64.6	64.4	66.2	72.5	73.8	76	79.5	82.7	87.9	93.4	97.9	100	82.6 ?
6	97.3	97.4	98.1	99.1	99	100.8	98.8	92.4	88.2	82.5	70.7	69.5	71.6	69.8	71.8	73.8	73.5	77.2	81.4	88.6	95.5	99	100.8	102	87.4
7	102.3	101.7	101.3	100.5	101.1	102.6	102.5	100.1	89.8	82.4	79.7	79.8	80.2	79.8	79.6	80.5	80.9	83.5	86.7	89.1	91.3	92.5	93.8	94.3	90.7
8	93.5	96.1	97	95.9	97.1	99	98.2	94.1	86.8	81.6	81.5	79.8	77.6	77.5	79.4	84.1	86.8	90.1	93.9	94.6	93.1	93.8	92	89.4	89.7
9	90.4	95.1	100.6	101.5	99.7	91.3	90.7	92.9	90.3	88.3	89.1	88	87.3	89	91.9	94.3	99.4	98.4	96.5	96.4	99.3	101.2	99.5	99.2	94.6
10	100.1	100.8	101.2	99	95.6	97.8	97.5	95.2	92.8	89	84.3	80.4	79.5	78.3	75.5	72.5	73	75.2	80.1	78.3	81	84.5	84.7	86.1	86.8
11	88	92.4	93.3	94	96.1	100.1	100.4	96.8	81.1	72.8	71.6	71.9	72.9	73.2	74.3	76	79.2	80.9	84.6	94.1	91.6	93.6	96.9	102	86.6
12	100.6	100.9	102.2	104.5	104.4	104.8 ?	105 ?	104.6	104.9 ?	?	104.2 ?	101.8	103.9	103.4	102.1	98.8	98.9	103.1	104.9	104.7	104.6	104.9	104.7 ?	?	103.3 ?
13	?	?	?	?	?	?	?	?	104.3 ?	103.2	101.8	101.1	96	91.1	90.5	88.4	89.8	92.7	95.8	98	99.6	101.4	103.7	104.7	97.6 ?
14	?	?	?	?	?	?	?	?	98.2	95.8	87.3	83	85	85.8	91.6	89.3	91.1	95.1	99	102.7	104	104.6	?	?	93.8 ?
15	?	?	?	?	?	?	?	?	?	98.5	99.5	104.1	95.9	93.9	81.3	77.7	78.4	83.5	92.1	101.8	104.3	104.9	?	?	93.5 ?
16	?	?	?	104.2 ?	102	102.1	99.6	95	86.6	67.5	63.2	62.9	63.4	64.2	63.6	61.8	55.4	54.9	66.8	75.1	80.8	84.3	86.7	88.3	77.5 ?
17	90.4	91.5	90.5	92.4	93.6	94.9	96	90.1	80.9	87.7	83.2	77.5	73.4	79.4	89.7	95.3	98	98.9	98.6	101.9	101.3	101.9	102.4	104.2	92.2
18	104.6	103.6	101.8	102.4	102.7	103.3	103.5	103.8	103.1	103.2	103.5	?	?	82.2 ?	73.3 ?	66	63.1	62.1	62.6	62.6	61.7	61	60.3	49.9	83.6 ?
19	41.1	39.5	39.6	41.1	39.1	40.8	38.9	31.4	17.8	4.6	5.3	9.9	12	12.8	9.9	10.5	13	20.2	36.3	43.5	45.2	48.5	53	55.9	29.6
20	58.6	61.8	62	62.8	63.3	53	52	41.7	28.8	41.2	42.7	41.6	46.3	51.2	55.2	50.8	52.3	57.8	76	86.9	91.1	95.1	97.2	98.3	61.2
21	99.6	101	101.8	102.2	102.5	102.3	102.1	94.2	84.4	72.9	65.7	62.2	61.8	64.5	67.6	69.6	73.6	80	93.2	99.7	101.4	102.5	103.2	103.3	88
22	103.5	103.3	102.3	102	102	102	102.3	102.5	92.9	81.5	79	79.8	78.7	74.3	74.1	73	75.6	79.4	86.2	92.8	97.6	99.5	100.4	100.4	91
23	102.6	104.6 ?	104.2 ?	101.8	100.9	100.8	100.7	101.8	101.6	102	101.1	87.8	77.4	71.6	65.7	64.4	65.8	69.9	79.8	88.5	96.8	98.1	99	102.6	91.2
24	103.9	104.6	?	?	?	?	104.4 ?	98.9	93.1	81.8	71.6	68.6	68	61.1	66	58.3	62.9	70.4	87.1	94.5	97.3	98.2	98.6	100.6	84.5 ?
25	102.4	103.9	104.8	?	?	?	?	98.3 ?	78	66.7	65.7	61.9	59.2	65.2	64.8	65.9	71.1	78	86.6	90.2	92.3	95.7	97.4	99.7	82.4 ?
26	100.7	102.3	104	104.9 ?	?	?	?	102.5 ?	87	76	65.9	67.9	68.3	63.7	64.7	68	70.1	74.9	84.6	93.5	97.5	98.2	100.5	103.9	85.7 ?
27	105 ?	?	?	?	104.1 ?	102.7	101.9	98.8	92.1	82.6	79.8	76.7	80.6	81.8	82.7	91.2	102.1	102.5	101	102.5	103.8	102.4	103.6	103.7	95.3 ?
28	103.9	104.9 ?	?	?	?	?	?	?	104.4 ?	98.8	92.2	86.8	84.9	84	81.9	82.4	84.4	99.7	103.7	100.9	99.6	97.8	99.7	102.7	95.2 ?
29	102.4	95.2	94.5	97.9	100.4	101.9	101.5	96.8	79.8	69	69.9	63.8	60.5	52	48.9	50.3	48.2	54.2	60.7	69.3	75.2	79.5	81.4	84.9	76.6
30	85.1	84	83	81.8	86.5	85.5	84.4	82.4	72.4	60.7	54.7	51.9	48.3	48.4	46.4	56.5	59.6	66.8	71.1	74.7	77	78.9	82.2	87.9	71.3
Avg	95	95.2	94.5	94.9	95.1	95	94.9	93.1	87	80.9	77.8	74.1	72.5	71.9	71.5	72.2	74.7	79.4	85.2	89.7	91.7	93.4	93.9	94.7	85.8 ?
S D	15.2	15.3	15.8	15.6	15.7	16.7	16.8	17.4	19.6	20.3	20	18.6	17.4	16.8	17.1	17.4	18.3	18.3	15	13.8	13.4	12.8	12.5	13.7	13.5
S/A	0.16	0.16	0.17	0.16	0.16	0.18	0.18	0.19	0.23	0.25	0.26	0.25	0.24	0.23	0.24	0.24	0.25	0.23	0.18	0.15	0.15	0.14	0.13	0.14	0.16
Min	41.1	39.5	39.6	41.1	39.1	40.8	38.9	31.4	17.8	4.6	5.3	9.9	12	12.8	9.9	10.5	13	20.2	36.3	43.5	45.2	48.5	53	49.9	29.6
Max	105	104.9	104.8	104.9	104.4	104.8	105	104.6	104.9	103.2	104.2	104.1	103.9	103.4	102.1	98.8	102.1	103.1	104.9	104.7	104.6	104.9	104.7	104.7	103.3
n	278	263	249	238	248	248	251	289	336	348	352	348	348	352	355	360	360	360	360	359	348	345	318	311	7625

Data Recovery: 0.0% missing; 11.7% 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 2003

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	22.3	22.1	22	21.9	22.2	22.4	22.7	23.7	25.8	28	29.8	31.5	32.4	32.7	33.4	33.8	33.5	32.3	31	28.5	26.8	25.7	25.2	24.8	27.3
2	24.5	24.3	24.1	23.7	23.5	23.3	23.4	24.8	27	28.9	30.7	31.9	33.1	33.6	33.9	34.3	34	32.7	31.3	29.1	27.5	26.5	25.8	25.3	28.2
3	24.9	24.5	24.3	24	23.7	23.6	23.8	25.2	27.3	29.3	30.7	32	32.4	32.2	33.2	33.5	32.7	28.2	26.6	25.8	25.6	25.5	25.5	25.5	27.5
4	25.4	25.2	24.9	24.6	24.3	24.1	24.6	26.1	27.6	29.4	31.1	32.7	33	32.7	33.1	32.6	31.1	27.6	25.2	23.5	22.4	22	21.7	21.3	26.9
5	21.1	21	20.8	20.7	20.5	20.1	20	20.5	21.9	24.2	26.6	28.4	29.2	29.7	30.2	30.5	29.6	28.1	25.7	23	21.3	20.2	19.4	18.5	23.8
6	17.8	17.4	17.1	16.8	16.5	16	16	17.8	20.1	22.3	24	25.1	25.6	25.4	25.1	24.8	24.7	24.1	22.8	21.4	20.4	19.6	19	18.4	20.8
7	17.9	17.7	17.8	18.1	18.2	18	17.9	18.5	21	24.6	27.1	28.4	28	27.9	27.7	27.7	27	25.6	24.2	22.9	22	21.5	21.3	21.3	22.6
8	21.3	21.3	20.9	20.7	20.6	20.1	19.9	20.5	21.9	24.1	25.8	26.7	28.2	28.6	28.4	27.4	25.7	24.5	23.5	22.8	22.5	22.3	22.1	22.2	23.4
9	22.3	22.1	21.3	20.8	20.9	21.4	21.9	22.6	23.9	25.8	26.9	27.4	27.4	27	26.3	25.4	23.9	21.9	21.3	21.2	20.8	20.1	19.6	19.6	23
10	20	20.2	20.2	20.4	21	21.3	21.2	21.5	22.3	22.9	23.7	24.3	24.6	24.4	24.2	24.1	23.6	22.4	20.7	18.7	17.4	16.4	15.8	15.5	21.1
11	15.4	15	14.6	14.5	14.5	14.6	15	17.2	20.3	23.1	24.6	25.9	26.6	26.7	26.7	26.1	25.3	24.5	23.1	21.6	21	21.2	21.6	21.2	20.9
12	20.9	21	21.2	21.1	21	20.8	20.6	20.6	20.6	21	21.7	22.6	23	23.1	23.6	24.7	25.8	25.4	24	23.3	22.8	22.4	22.2	22.2	22.3
13	22.5	22.4	22.1	21.8	21.4	21.2	20.9	20.8	20.7	20.9	21.7	22.1	23.3	25.5	27.1	27.4	27.9	26.3	24.3	23	22.4	21.8	20.9	20.1	22.9
14	19.5	19.4	19.1	18.9	18.8	18.4	18.3	19.5	22.2	24.1	26.9	29.5	29.8	28.7	28.3	28.5	28.6	27.6	25.7	23.9	23	22.5	22.4	22.4	23.6
15	22.3	22.4	22.4	22.2	21.9	21.7	21.6	21.9	22.6	24.5	26.2	25.1	25.6	26.7	28.1	30.4	31.2	30.4	27.8	24.9	23.1	22.2	21.5	21	24.5
16	20.8	20.5	20.3	20.5	20.5	20	19.6	20.4	22.1	24.3	26.1	27.4	28	28.3	28.5	28.6	28	26.8	24.2	21.6	20.1	19	18.2	17.6	23
17	17.2	17	16.8	16.9	16.8	16.8	16.8	18.6	21.4	23.5	24.6	25.8	26.7	26.6	25.7	24.1	22.9	22.2	21.8	21.2	20.9	21.2	21.5	21.5	21.2
18	21.5	21.7	21.9	22.2	22.1	22.1	22	22.1	22.2	22.4	22.7	23	23.2	23	22.6	22.5	22.2	21.7	21.6	21.1	20.5	20.2	19.9	20.1	21.9
19	20.9	21.7	22.4	22.8	23.1	23	22.9	24	25.8	27.7	29.2	30.2	31	31.7	32.2	32.2	32.1	31.4	28.5	25.1	23.2	21.9	20.9	20.2	26
20	19.5	19.1	18.7	18.4	17.9	17.4	17.3	18.8	22.1	25.8	29.4	31.4	33.1	34.1	34	33.3	32.5	30.8	27.7	24.5	22.5	21.1	20.3	19.8	24.6
21	19.3	18.9	18.9	18.6	18.7	18.4	18.1	19.4	22.5	26.1	29.1	31	31.8	31.9	31.6	31	30	28	25.1	22.9	21.7	21.2	20.8	20.5	24
22	20.3	20.1	20	19.7	19.7	20	20.2	20.8	22.7	25.2	27.4	28.8	29.4	30.1	29.7	29.5	28.2	26.8	25.6	24.4	23.7	23.5	23.7	23.8	24.3
23	23.7	23.4	23.2	22.9	22.6	22.7	22.9	23.1	23	22.6	22.1	22.8	25.1	26.7	28.1	28.1	27.1	26.8	25	22.7	20.7	19.3	18.5	18.2	23.4
24	18.2	18.1	17.8	17.5	17.2	16.5	16.1	17.4	20.3	23.9	26.9	29.2	30.5	30.1	29.5	27.8	27.8	26.9	24.3	21.8	20.3	19.5	19.1	18.8	22.3
25	18.4	18	17.6	17.4	17.2	16.7	16.2	17.8	21.2	25.2	28.4	29.9	31.2	32	31.4	30.5	29.3	27.5	24.6	22.3	21	20.2	19.4	18.8	23
26	18.2	18.1	17.7	17.4	17.5	17.4	17.3	18.4	21.5	25.5	29.1	31	31.1	30.5	30.3	29.8	29	28	25.2	23	21.8	21.3	21	21	23.4
27	21.3	21.6	21.7	21.5	21.5	21.3	21	21.9	24.7	27.8	30.4	31.1	31.9	30.9	30.1	28.3	24.5	22.4	21.4	21.2	21.2	21.4	21.5	21.4	24.3
28	21.4	21.4	21.4	21.3	21.2	21	21	21	21.7	23.3	25.4	26.6	27.7	28.8	28.6	28.4	27.9	25.9	23.2	21.7	20.4	19.5	18.7	17.6	23.1
29	16.9	16.3	15.2	14.1	13.2	12.5	12.1	13	15.7	18.5	20.7	22.5	23.9	24.1	24.3	23.9	22.5	21.5	18.7	15.9	13.7	12.4	11.9	11.6	17.3
30	11.7	11.7	11.6	11.6	11.7	11.6	11.5	12.6	14.8	17.8	20.1	22	23.4	23.8	24.1	24.3	23.4	21.6	18.5	16.3	14.9	14.2	13.3	12.4	16.6
Avg	20.3	20.1	19.9	19.8	19.7	19.5	19.4	20.3	22.2	24.4	26.3	27.5	28.3	28.6	28.7	28.4	27.7	26.3	24.4	22.6	21.5	20.9	20.4	20.1	23.2
S D	2.9	3	3	3.1	3.1	3.2	3.3	3.1	2.8	2.8	3.2	3.4	3.4	3.3	3.3	3.3	3.4	3.2	3	2.8	2.8	2.9	3	3.2	2.6
S/A	0.14	0.15	0.15	0.16	0.16	0.16	0.17	0.15	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.13	0.14	0.15	0.16	0.11
Min	11.7	11.7	11.6	11.6	11.7	11.6	11.5	12.6	14.8	17.8	20.1	22	23	23	22.6	22.5	22.2	21.5	18.5	15.9	13.7	12.4	11.9	11.6	16.6
Max	25.4	25.2	24.9	24.6	24.3	24.1	24.6	26.1	27.6	29.4	31.1	32.7	33.1	34.1	34	34.3	34	32.7	31.3	29.1	27.5	26.5	25.8	25.5	28.2
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: 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

September 2003

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0.1	0	0.4	0.8	0.7	1.4	2.1	2.6	2.7	2.8	2.9	3.2	3.4	3	2.9	2.4	2.7	2	1.9	1.8	1.8	2	1.9	1.9
2	2.3	2.2	1.9	1.5	1.5	1.7	1.8	3.3	3.6	3.6	3.9	3.5	3.3	3.7	3.2	3.4	2.5	0.9	0.3	1.3	1.6	1.2	1.5	1.3	2.3
3	0.8	1.6	1.9	1.2	1.5	1.2	1.1	2.1	2.4	2.5	2.6	2.2	2.5	3.2	2.8	2.4	3.5	0.9	1.3	1.6	1.8	1.2	1.4	1.7	1.9
4	2	1.6	1.2	1.3	0.9	1.2	1.7	2.7	3.7	3.4	3.4	2.9	2.6	2.8	2.9	3.6	3.3	1.6	2.7	1.5	1.5	1.1	0.5	0.5	2.1
5	1.1	0.9	1.3	1.1	0.6	0.8	1.1	1.3	3.1	3.6	3.8	3.9	3.4	3	2.7	3.2	3.4	2.9	2.3	1.8	1.9	1.4	1	1.3	2.1
6	1.6	1.7	1.6	1.7	0.8	0.5	1	1.8	1.7	1.9	2.4	2	2.2	2.4	2.3	2.5	2.4	2	1.1	1	1	1.2	0.9	1	1.6
7	1.3	1.3	2.1	2.3	2	1.9	2.1	1.7	3	3.6	4.4	4.4	4	4.2	3.8	3.9	3.6	3	2.4	2.1	2.1	1.9	1.7	2	2.7
8	1.7	1.9	1.6	2	2	1.8	1.9	2.2	3.6	4.4	4.5	3.8	4	4.1	4.4	4.5	3.9	3.4	2.8	2.2	2.2	2.1	2.4	2.8	2.9
9	2.3	2	2.5	2.6	2.4	3.3	3.5	3.4	4.2	5.2	5.5	5.2	5.2	5.2	5.3	5.2	4.5	4.4	4.6	4.8	4.1	4.3	4.2	3.9	4.1
10	3.6	3.4	3	2.9	3.5	4.4	4	4.8	5	5.4	5.9	5.3	5.4	5.6	4.9	4.7	4.8	4	3.2	2.8	2.6	2.3	2.2	2.1	4
11	1.7	1.9	2.1	2.3	2.5	2.3	2.6	2.8	3.9	4.5	4.6	4.1	4.6	5	4.9	5	4.8	4.8	3.8	2.8	3.9	3.5	3.1	2.4	3.5
12	3.1	3.4	4.6	4.4	4.8	5	4.8	4.9	5.1	4	4.3	4.6	2.8	3.1	3.7	3.1	2.9	2.9	2.7	2.5	2.4	1.8	1.3	1.9	3.5
13	2.6	1.8	1.2	0.8	1.3	2.2	1.9	1.5	1.6	2.5	2.6	2.6	2	2.5	2.1	1.9	1.5	1.2	0.7	1.1	0.4	1.1	0.3	0	1.6
14	0.3	0.1	0	0.2	0	0	0.2	0.1	1.4	1.5	1.1	0.7	1.9	1.8	2.3	2.1	2.6	1.8	1.8	1.7	1.3	1.4	2.4	0.8	1.2
15	0.4	0.3	0.6	0.6	0.6	0.6	1.1	0.3	0.8	0.6	1.1	0.4	1.4	1.2	1.6	1.6	1.8	1.1	0.7	0.8	0.5	0	0	0	0.8
16	0.2	0	0.9	1.5	2.5	2.4	2.7	3.3	3.5	4.4	4.3	4.5	3.8	3.8	3.4	3.9	3.5	2.6	1.9	2.4	2.1	1.9	1.7	2.2	2.6
17	2.2	2.2	2.6	2.4	2.5	2.3	2.8	2.8	4.9	5.3	5.6	6.3	6	6	5	4.9	4.4	4.8	5.1	4.7	4.6	5.4	5.5	5.6	4.3
18	5.8	6.4	6.8	7.4	8	9	10.2	10.6	10.8	11.1	13.6	13.2	15.1	17.8	17.6	18.5	17.6	17.2	13.9	9.8	9.5	11.1	10.5	8.9	11.7
19	6.6	6.4	6.4	6	5.1	4.1	3.8	4.3	4.5	4.6	5.8	5.6	5.1	4.3	4.1	3.3	1.8	1	1.6	1.5	1.6	1.3	1.2	0.9	3.8
20	0.6	0.5	0.9	0.4	0.1	0.6	0	0.1	0.1	0.2	0	0.9	2	1.9	2.1	1.7	1.8	1.2	1.5	1.2	0	0.1	0	0	0.8
21	0	0	0	0	0.1	0	0	0.2	1	1.8	2.4	3.4	3.5	3.6	3.3	3.2	2.7	2.1	2.2	1.7	1.6	1.6	0.5	0.3	1.5
22	0	0.1	0	0	0.1	0	0	0.8	2.5	3.5	4.5	4.3	4.8	5	5	4.7	4	3.5	2.6	2.1	1.9	3.1	3.2	3.6	2.5
23	2.9	4.1	4	3.8	4.1	4.3	4.4	2.5	4.1	2.8	1.7	1.3	1.4	1.3	1.3	0.8	0.3	0.3	0.5	0.2	0	0	0	0.2	1.9
24	0	0.1	0	0.1	0.3	0	0	0.4	0.8	2.3	2.7	2.6	2.9	3	2.7	2.1	2.3	1.5	2	1.4	0.9	0.9	0.4	0.3	1.2
25	0	0	0	0	0	0	0	0	0.7	0.7	1.8	1.9	1.3	3.1	2.7	3.4	3.8	2.8	2	1.4	1.3	0.3	0.4	0	1.2
26	0.2	0	0	0	0	0	0	0.1	0.1	0.4	1.6	2.3	3.6	3.9	3.3	3.2	2.6	2.6	2.2	1.9	2.2	1.9	2	2.1	1.5
27	1.3	0.7	0.1	0.1	0.6	0.5	0.3	0.8	0.9	1.9	1.8	1.7	3	4.2	5.2	4.9	2.7	0.3	0.1	0.1	0	0.8	0.3	0.3	1.4
28	0.1	0	0.3	0.2	0.3	0.1	0.2	0.3	1.1	1.5	1.7	1.7	2.2	2.7	2.8	2.5	2	0.8	1	1	0.5	0.3	0	0	1
29	1.2	1.7	1.3	1.2	1	1.2	0.8	1.1	2	3.1	2.4	1.9	2	3	2.4	1.9	2.5	1.8	1.1	0.2	0.1	0.7	0.7	1.3	1.5
30	1.1	0.9	0.9	1.4	1.4	1.8	1.8	2.4	3.2	3.4	2.8	2	1.7	2.1	1.8	2.8	2.5	2.5	2.2	1.4	1.4	0.7	0.5	0.1	1.8
Avg	1.6	1.6	1.7	1.7	1.7	1.8	1.9	2.2	2.9	3.2	3.5	3.4	3.6	3.9	3.8	3.7	3.4	2.8	2.4	2	1.9	1.9	1.7	1.6	2.5
S D	1.6	1.7	1.8	1.8	1.9	2	2.1	2.2	2.1	2.1	2.4	2.4	2.5	2.9	2.9	3	2.9	3	2.5	1.8	1.8	2.1	2.1	1.9	2
S/A	1.04	1.09	1.08	1.09	1.08	1.11	1.11	1	0.74	0.65	0.69	0.7	0.71	0.74	0.76	0.81	0.84	1.09	1.02	0.9	0.98	1.13	1.22	1.16	0.81
Min	0	0	0	0	0	0	0	0	0.1	0.2	0	0.4	1.3	1.2	1.3	0.8	0.3	0.3	0.1	0.1	0	0	0	0	0.8
Max	6.6	6.4	6.8	7.4	8	9	10.2	10.6	10.8	11.1	13.6	13.2	15.1	17.8	17.6	18.5	17.6	17.2	13.9	9.8	9.5	11.1	10.5	8.9	11.7
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 2003

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	63	62	105	100	115	106	118	124	131	132	118	117	108	129	111	108	83	75	64	61	64	92	96	101	105
2	113	98	102	97	103	108	98	111	125	122	128	136	124	128	111	115	118	97	65	58	54	79	84	88	111
3	103	92	98	95	100	98	98	124	118	129	114	116	97	84	77	78	65	52	56	69	68	86	89	80	92
4	91	105	105	100	102	109	113	117	119	116	113	107	110	87	81	47	116	92	160	196	131	159	165	178	110
5	174	184	203	211	212	219	223	226	246	248	259	257	261	264	256	273	270	276	272	262	261	275	236	221	252
6	229	229	228	236	234	215	234	254	273	257	296	276	279	309	285	291	290	293	264	259	251	251	258	255	267
7	255	248	258	258	256	259	256	276	291	308	317	313	311	308	312	310	302	299	297	291	287	293	287	288	294
8	274	258	268	279	262	260	259	272	302	301	291	286	277	288	295	295	288	287	288	284	279	260	287	292	284
9	273	252	256	261	279	297	296	290	291	297	292	291	295	288	283	277	271	264	264	263	260	257	259	256	277
10	259	252	254	272	278	279	283	281	280	283	283	284	287	287	285	277	279	279	267	261	255	263	251	254	275
11	254	242	247	248	249	255	255	262	290	298	293	297	292	297	292	287	282	289	276	279	290	288	284	271	281
12	289	294	300	301	294	291	269	286	295	298	323	326	329	333	337	339	321	309	305	309	315	316	325	39	307
13	66	61	68	79	59	61	66	65	67	62	63	79	86	89	66	87	105	71	51	45	52	39	52	23	69
14	41	39	7	32	0	0	265	292	330	340	4	311	348	339	320	345	347	335	325	325	313	305	334	336	334
15	309	227	260	198	206	265	270	212	199	226	198	196	180	234	213	209	220	252	286	314	327	311	0	40	229
16	162	207	231	241	232	230	238	248	262	270	262	257	263	259	268	255	260	270	261	260	261	262	256	254	256
17	249	254	256	258	253	251	253	276	287	293	295	293	287	286	283	275	273	267	270	268	282	281	286	280	277
18	282	280	286	274	174	165	142	145	149	142	142	141	141	139	136	131	127	130	130	136	148	156	160	178	147
19	177	161	164	162	170	175	180	181	186	195	199	203	204	203	212	212	199	178	151	163	164	165	191	191	183
20	201	211	226	225	226	240	223	248	245	119	82	104	59	85	125	112	94	96	106	95	61	67	67	0	109
21	0	0	0	4	45	0	0	48	69	59	84	86	100	90	90	85	89	77	74	74	76	74	93	90	83
22	75	74	91	52	64	42	46	81	100	114	122	125	128	138	134	143	139	143	139	125	137	148	145	148	133
23	157	160	151	155	156	158	161	179	218	261	297	293	308	296	279	307	270	142	133	107	91	0	91	161	181
24	187	118	0	299	300	323	349	11	55	63	79	90	85	98	93	100	90	92	74	74	80	86	83	80	84
25	79	0	0	0	0	0	0	72	92	97	99	140	101	87	114	124	116	121	118	126	133	155	153	11	115
26	137	129	0	302	0	0	106	118	66	64	63	111	108	106	106	107	93	79	80	84	82	81	87	87	94
27	86	100	98	95	105	115	142	191	200	164	198	160	121	136	106	128	139	103	106	89	94	129	109	81	132
28	104	316	75	91	359	299	299	309	286	296	292	277	283	256	248	234	217	297	303	311	298	301	283	279	270
29	279	286	280	276	285	285	287	292	312	328	308	293	298	273	292	289	283	302	293	301	287	297	298	318	295
30	319	328	314	318	320	324	324	345	3	6	11	24	2	50	36	65	62	85	78	73	75	71	66	16	21
Avg	233	227	238	244	219	222	215	219	245	268	259	228	201	174	166	162	164	203	202	238	236	221	226	228	214
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 2003

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	0.1	0.3	0.3	1.1	1.5	1.6	2.4	3.5	4	4.2	4.4	4.7	5.2	5.5	5	4.6	4.1	4.6	3.4	3.1	3	2.9	3.2	3.1	3.2
2	3.6	3.4	3	2.6	2.4	2.6	3	5	5.5	5.7	5.7	5.8	5.1	5.6	5.1	5	3.7	1.7	0.7	2.2	2.5	2.2	2.6	2.4	3.6
3	1.5	2.6	3.1	2	2.3	2	2	3.5	4.1	4	4.2	3.7	4.3	5.4	4.8	3.9	6.4	1.9	2.2	2.7	3.2	2.9	2.8	3.2	3.3
4	3.4	2.9	2.2	2.4	1.8	2.1	3	4.4	6	5.4	5.6	4.7	4.3	4.8	4.5	5.1	5.4	2.9	4.9	2.9	2.6	2.2	1.5	1.5	3.6
5	2.6	2.4	3.2	2.8	2	2.2	2.7	3.3	5.3	5.8	6	6.1	5.6	5	4.6	5.4	5.8	4.8	3.8	2.9	2.9	2.5	1.8	2.3	3.8
6	2.9	2.8	2.7	2.9	1.8	1.3	2.1	3	2.8	3.4	3.9	3.6	3.6	3.7	3.8	4.2	4	3.3	2.1	1.9	1.7	2	1.8	1.7	2.8
7	1.9	2.1	3.1	3.6	3.3	3	3.3	3.1	5.2	5.8	6.9	6.8	6.1	6.7	6.1	6.1	6	4.7	3.8	3.6	3.5	3.3	3	3.4	4.4
8	3	3	2.5	3.3	3.2	3.1	3.1	3.8	5.9	6.9	7.4	6.5	7.1	6.7	7.2	7.5	6.3	5.6	4.9	3.7	3.8	3.4	3.9	4.7	4.9
9	3.8	3.3	3.8	4.2	4	5.4	5.9	6	7.1	8.5	8.8	8.5	8.7	8.8	8.3	8.8	7.5	7.2	7.9	7.6	7.1	7.1	6.6	6.3	6.7
10	5.7	5.2	4.8	4.9	6.3	7.5	7.3	8.1	8.4	8.9	9.1	9.1	9	8.9	8.1	7.8	7.7	6.8	5.2	4.6	4.2	3.7	3.4	3.5	6.6
11	2.7	2.8	3.3	3.4	3.9	3.5	4.1	4.5	6.5	7.7	7.5	6.7	7.5	8.6	8	8.1	7.9	7.8	6.3	4.5	6.1	6	5.4	4.1	5.7
12	5.3	5.4	7.8	7.6	8.4	7.8	7.9	8.9	8.4	6.6	7.1	6.8	4.5	5.1	6.1	5.3	4.6	4.7	4.4	4.4	3.7	3	2.5	3.4	5.8
13	4.6	3.3	2.7	2.2	2.7	3.7	3.6	3.1	3.3	3.9	4.8	4.3	3.8	4.1	3.4	3.3	2.7	2.4	1.5	1.8	1	1.9	0.8	0.1	2.9
14	0.8	0.3	0	0.3	0	0	0.6	0.7	2.3	2.3	2.3	1.6	3	2.7	3.5	3	3.8	2.9	2.7	2.8	2.1	2.2	3.4	1.6	1.9
15	0.9	0.7	1.4	1.5	1.7	1.5	2.1	1.2	2.3	1.5	2.1	1.2	2.8	2.6	3.1	3.2	3.4	2	1.5	1.6	1	0.1	0	0.2	1.6
16	0.3	0.2	1.9	2.9	4.1	4.3	4.3	5.5	5.7	7.3	6.6	7	6.2	6.4	6	6.3	5.6	4.3	3.1	3.8	3.3	2.9	2.6	3.3	4.3
17	3.2	3.3	4	3.9	4	3.5	4.1	4.7	7.9	8.8	9.2	9.8	9.9	9.8	8.6	7.8	7.5	7.9	8.5	7.6	8.5	9	9.1	9	7.1
18	9.3	10.6	11.5	12.2	12.7	14	16.7	16.7	17.2	16.9	20.1	19.9	23	26	25.4	26.9	25.5	24.1	20.2	14.6	14.8	16.3	16.2	14.2	17.7
19	11.1	9.8	10.1	9.6	8.8	6.7	6.7	7.5	7.7	7.9	9.1	8.7	7.9	7	6.6	5.1	3.5	2	2.7	2.7	2.6	2.2	2.3	1.8	6.3
20	1.5	1.2	1.7	1.1	0.3	1.2	0.1	0.4	0.6	0.9	0.4	2.1	3.3	3.4	4.2	3.1	3	2	2.4	1.8	0.3	0.3	0.2	0	1.5
21	0	0	0	0	0.2	0	0	0.5	2	3.1	3.9	5.1	5.3	5.5	4.9	5.1	4.3	3.3	3.5	2.9	2.6	2.7	1.5	1	2.4
22	0.2	0.3	0	0	0.4	0.1	0.2	1.8	4.3	5.3	6.7	6.8	7.3	7.8	7.9	7.1	6.3	5.5	4.1	3.4	3.3	4.8	4.8	5.4	3.9
23	4.7	6.3	6.2	6.1	7	6.9	7	5.1	6.7	5.1	4.1	3.5	3.5	3	3	2	0.8	1.1	1.1	0.6	0.1	0	0.1	0.6	3.5
24	0.2	0.3	0	0.2	0.8	0	0.3	1.8	2.2	4.1	4.5	4.5	4.7	5.2	4.6	3.6	3.5	2.7	3.2	2.5	1.9	2	1.1	1	2.3
25	0	0	0	0	0	0	0	0.1	1.7	2	3.4	3.5	3.1	4.9	4.5	5.3	5.8	4.1	2.8	2.2	2.1	0.8	1	0	2
26	0.7	0.1	0	0.1	0	0	0.2	0.3	0.5	1.5	2.9	4	5.7	5.9	5.2	4.8	4.2	4.2	3.6	3	3.4	3.2	3.3	3.3	2.5
27	2.3	1.5	0.5	0.4	1.6	1.4	1.1	1.7	1.9	3.2	3.4	3.5	5	6.2	7.7	7.3	4.2	0.9	0.6	0.2	0.3	1.9	0.8	1	2.4
28	0.3	0.2	0.8	0.5	0.9	0.6	0.9	1.5	3	4	4.3	3.9	4.1	5.1	4.7	4.2	3.4	2.2	2.5	2.8	1.8	1.3	0	0.1	2.2
29	3.1	4.1	3.3	3.1	2.9	3.1	2.7	2.9	4.2	5.5	4.9	4.3	4.4	5.4	4.7	4.3	4.7	3.6	2.4	0.6	0.4	1.2	1.6	2.4	3.3
30	2.2	2	2	2.4	2.7	3.3	3.5	4	5.2	5.5	4.9	3.8	3.2	3.4	3.2	4.4	3.8	4	3.3	2.3	2.2	1.3	0.8	0.2	3.1
Avg	2.7	2.7	2.9	2.9	3.1	3.1	3.4	3.9	4.9	5.4	5.8	5.7	5.9	6.3	6.1	6	5.5	4.5	4	3.4	3.2	3.2	2.9	2.8	4.2
S D	2.6	2.7	2.9	2.9	3	3.1	3.4	3.3	3.2	3.1	3.5	3.4	3.8	4.2	4	4.3	4.1	4.2	3.6	2.7	2.9	3.1	3.2	3	3
S/A	0.97	1	1.01	0.99	0.98	1	1.01	0.86	0.66	0.58	0.6	0.61	0.64	0.66	0.66	0.72	0.75	0.93	0.9	0.8	0.9	0.99	1.1	1.06	0.72
Min	0	0	0	0	0	0	0	0.1	0.5	0.9	0.4	1.2	2.8	2.6	3	2	0.8	0.9	0.6	0.2	0.1	0	0	0	1.5
Max	11.1	10.6	11.5	12.2	12.7	14	16.7	16.7	17.2	16.9	20.1	19.9	23	26	25.4	26.9	25.5	24.1	20.2	14.6	14.8	16.3	16.2	14.2	17.7
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 2003

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	1022	1022	1021	1021	1021	1021	1022	1022	1022	1022	1022	1021	1021	1021	1020	1019	1019	1019	1019	1019	1019	1020	1020	1020	1021	
2	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1017	1018
3	1017	1017	1016	1016	1016	1017	1017	1017	1017	1017	1017	1017	1016	1015	1014	1014	1014	1014	1014	1014	1014	1015	1014	1014	1016	
4	1014	1013	1013	1012	1012	1013	1013	1013	1012	1012	1012	1011	1011	1009	1009	1008	1008	1008	1009	1009	1010	1010	1010	1010	1011	
5	1010	1010	1010	1010	1010	1011	1012	1012	1013	1013	1013	1013	1013	1013	1012	1012	1013	1013	1013	1014	1015	1015	1015	1015	1013	
6	1015	1015	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	
7	1016	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1015	
8	1014	1013	1013	1013	1012	1013	1013	1013	1013	1014	1014	1014	1014	1014	1013	1013	1013	1013	1013	1014	1014	1014	1015	1015	1013	
9	1014	1014	1014	1014	1014	1014	1015	1015	1016	1016	1017	1017	1017	1016	1016	1016	1016	1016	1017	1017	1017	1018	1018	1017	1016	
10	1017	1017	1016	1016	1016	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	
11	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1019	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1017	
12	1015	1015	1014	1013	1013	1013	1012	1012	1012	1011	1011	1011	1011	1011	1010	1010	1010	1010	1010	1010	1010	1010	1010	1011	1011	
13	1011	1011	1011	1011	1012	1013	1013	1014	1015	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1017	1018	1019	1019	1019	1015	
14	1019	1019	1019	1019	1019	1020	1020	1020	1021	1021	1021	1020	1020	1019	1019	1019	1019	1018	1018	1018	1019	1018	1018	1017	1019	
15	1017	1017	1016	1015	1015	1015	1016	1016	1016	1016	1016	1015	1014	1014	1014	1013	1013	1013	1013	1014	1014	1014	1014	1015	1015	
16	1015	1015	1015	1015	1015	1016	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017	
17	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1014	1013	1016	
18	1012	1011	1010	1008	1007	1005	1003	1000	999	997	993	989	985	981	979	978	982	985	989	992	995	997	1000	1002	996	
19	1004	1005	1006	1007	1008	1010	1011	1012	1013	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1016	1017	1017	1017	1017	1013	
20	1017	1017	1017	1017	1018	1018	1019	1019	1019	1020	1020	1020	1019	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1020	1019	
21	1020	1020	1020	1020	1020	1021	1021	1022	1022	1022	1022	1022	1022	1021	1021	1020	1020	1020	1021	1021	1022	1022	1021	1021	1021	
22	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1018	1017	1016	1015	1015	1015	1015	1015	1015	1015	1014	1013	1017	
23	1013	1012	1011	1010	1010	1010	1010	1010	1010	1011	1011	1012	1012	1011	1011	1011	1011	1012	1013	1013	1014	1014	1015	1015	1012	
24	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017	1017	1017	1017	1016	1017	1017	1017	1017	1016	1016	1017	
25	1016	1016	1016	1015	1015	1016	1016	1016	1016	1016	1016	1016	1015	1015	1014	1013	1013	1013	1013	1013	1014	1014	1014	1014	1015	
26	1014	1013	1013	1013	1013	1014	1014	1014	1015	1015	1015	1015	1015	1014	1014	1013	1013	1013	1013	1014	1014	1013	1013	1013	1014	
27	1012	1012	1012	1012	1012	1012	1012	1012	1013	1013	1012	1012	1011	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1008	1011	
28	1007	1006	1005	1005	1005	1005	1005	1005	1005	1005	1006	1006	1005	1004	1004	1004	1004	1005	1006	1006	1008	1008	1009	1009	1006	
29	1009	1009	1010	1010	1010	1011	1012	1013	1014	1015	1016	1016	1015	1015	1015	1016	1016	1017	1017	1018	1019	1020	1020	1020	1015	
30	1021	1020	1020	1021	1021	1022	1022	1023	1023	1024	1024	1023	1023	1022	1022	1021	1021	1022	1022	1022	1022	1022	1022	1022	1022	
Avg	1015	1015	1015	1014	1014	1015	1015	1015	1016	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	
SD	4	4	4	4	4	4	5	5	5	6	6	6	7	7	8	8	7	7	6	6	5	5	5	4	5	
S/A	0	0	0	0	0	0	0	0	0	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	0	0	0	
Min	1004	1005	1005	1005	1005	1005	1003	1000	999	997	993	989	985	981	979	978	982	985	989	992	995	997	1000	1002	996	
Max	1022	1022	1021	1021	1021	1022	1022	1023	1023	1024	1024	1023	1023	1022	1022	1021	1021	1022	1022	1022	1022	1022	1022	1022	1022	
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: 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