

January 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	0	0	4	16 ?	31 ?	87	48 ?	?	270	184	104	23	0	0	0	0	0	0	0	767 ?
2	0	0	0	0	0	0	0	5	42	98	160	184	196	172	121	45	11	0	0	0	0	0	0	0	1034
3	0	0	0	0	0	0	0	4	29 ?	74	178	164	172	298	195	82	23	0	0	0	0	0	0	0	1219
4	0	0	0	0	0	0	0	3	18	41	110	221	255	235	225	154	37	0	0	0	0	0	0	0	1299
5	0	0	0	0	0	0	0	65	168	308	414	216	183	418	275	124	42	0	0	0	0	0	0	0	2212
6	0	0	0	0	0	0	0	10	64	184	279	372	414	289	198	57	5	0	0	0	0	0	0	0	1872
7	0	0	0	0	0	0	0	28	153	319	446	520	531	478	371	210	53	0	0	0	0	0	0	0	3110
8	0	0	0	0	0	0	0	35	79	282	339	476	491	417	318	158	38	0	0	0	0	0	0	0	2633
9	0	0	0	0	0	0	0	40	126	298	443	493	521	468	362	206	50	0	0	0	0	0	0	0	3008
10	0	0	0	0	0	0	0	4	8 ?	32 ?	107	225	405	477	376	218	58	0	0	0	0	0	0	0	1911
11	0	0	0	0	0	0	0	31	160	327	452	528	534	487	383	223	62	1	0	0	0	0	0	0	3189
12	0	0	0	0	0	0	0	35	163	333	462	531	535	502	375	197	36	1	0	0	0	0	0	0	3169
13	0	0	0	0	0	0	0	17	90	282	335	427	396	397	280	116	32	4	0	0	0	0	0	0	2376
14	0	0	0	0	0	0	0	36	169	332	441	310	261	205	115	84	19	0	0	0	0	0	0	0	1972
15	0	0	0	0	0	0	0	20	146	326	407	504	521	489	338	235	73	4	0	0	0	0	0	0	3064
16	0	0	0	0	0	0	0	37	155	227	414	318	374	428	220	116	43	5	0	0	0	0	0	0	2336
17	0	0	0	0	0	0	0	5	71	196	245	413	546	527	378	205	64	4	0	0	0	0	0	0	2654
18	0	0	0	0	0	0	0	36	174	349	482	563	578	525	418	252	78	6	0	0	0	0	0	0	3461
19	0	0	0	0	0	0	0	33	168	338	471	551	541	510	412	255	84	6	0	0	0	0	0	0	3369
20	0	0	0	0	0	0	0	31	95	328	462	540	555	506	400	243	79	7	0	0	0	0	0	0	3246
21	0	0	0	0	0	0	0	27	51	42	70	54 ?	54 ?	58	33 ?	?	4 ?	0	0	0	0	0	0	0	393 ?
22	0	0	0	0	0	0	0	54	124	149	293	495	561	514	408	251	82	5	0	0	0	0	0	0	2936
23	0	0	0	0	0	0	0	4	20	43	108	118	295	399	453	282	97	9	0	0	0	0	0	0	1830
24	0	0	0	0	0	0	0	38	186	374	516	601	616	563	451	287	94	7	0	0	0	0	0	0	3733
25	0	0	0	0	0	0	0	40	163	353	499	584	590	541	434	273	95	6	0	0	0	0	0	0	3578
26	0	0	0	0	0	0	0	30	60	91	170	190	184	133	118	126	76	8	0	0	0	0	0	0	1185
27	0	0	0	0	0	0	0	34	194	380	514	598	618	571	460	297	110	13	0	0	0	0	0	0	3790
28	0	0	0	0	0	0	0	27	179	292	473	564	580	418	429	303	99	13	0	0	0	0	0	0	3377
29	0	0	0	0	0	0	0	8	58	120	270	207	72	80	53	27 ?	5 ?	3	0	0	0	0	0	0	902 ?
30	0	0	0	0	0	0	0	3	?	?	45	74 ?	64	47 ?	38 ?	29 ?	9 ?	2	0	0	0	0	0	0	311 ?
31	0	0	0	0	0	0	0	6	32	60	74	92	105	86	56	38	18	6	0	0	0	0	0	0	574
Avg	0	0	0	0	0	0	0	24	105	220	315	361	392	371	286	173	52	4	0	0	0	0	0	0	2275
S D	0	0	0	0	0	0	0	17	62	125	161	188	189	167	140	88	32	4	0	0	0	0	0	0	1079
S/A	0	0	0	0	0	0	0	0.69	0.59	0.57	0.51	0.52	0.48	0.45	0.49	0.51	0.63	1.08	0	0	0	0	0	0	0.47
Min	0	0	0	0	0	0	0	3	8	31	45	48	54	47	33	27	4	0	0	0	0	0	0	0	311
Max	0	0	0	0	0	0	0	65	194	380	516	601	618	571	460	303	110	13	0	0	0	0	0	0	3790
n	0	0	0	0	0	0	0	291	345	348	370	357	357	366	359	345	356	68	0	0	0	0	0	0	3564

Daylight Data Recovery: 0.0% missing; 3.9% exceed the 15% QC threshold -- 3707 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

January 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	0	0	0	0	0	1	0	0	267	142	69	0	0	0	0	0	0	0	0	480
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	5	27	1	223	100	6	0	0	0	0	0	0	0	0	363
4	0	0	0	0	0	0	0	0	0	0	2	1	1	185	434	99	0	0	0	0	0	0	0	0	722
5	0	0	0	0	0	0	0	242	602	532	444	20	27	562	251	26	209	0	0	0	0	0	0	0	2915
6	0	0	0	0	0	0	0	0	14	51	87	158	395	259	230	4	0	0	0	0	0	0	0	0	1199
7	0	0	0	0	0	0	0	270	657	805	877	917	928	914	869	759	458	0	0	0	0	0	0	0	7454
8	0	0	0	0	0	0	0	102	33	516	362	570	553	546	475	240	29	2	0	0	0	0	0	0	3429
9	0	0	0	0	0	0	0	237	327	600	863	779	893	872	824	718	322	0	0	0	0	0	0	0	6434
10	0	0	0	0	0	0	0	0	0	0	0	19	377	898	859	764	473	62	0	0	0	0	0	0	3452
11	0	0	0	0	0	0	0	319	692	837	895	919	909	911	865	766	480	92	0	0	0	0	0	0	7685
12	0	0	0	0	0	0	0	301	698	849	904	912	882	876	725	476	24	15	0	0	0	0	0	0	6662
13	0	0	0	0	0	0	0	0	35	189	194	203	313	521	187	75	0	0	0	0	0	0	0	0	1718
14	0	0	0	0	0	0	0	201	524	541	597	24	7	0	0	0	0	0	0	0	0	0	0	0	1893
15	0	0	0	0	0	0	0	79	510	763	664	666	779	823	666	738	517	113	0	0	0	0	0	0	6316
16	0	0	0	0	0	0	0	168	214	159	555	79	307	463	57	11	10	0	0	0	0	0	0	0	2021
17	0	0	0	0	0	0	0	0	37	187	125	343	771	791	568	300	140	0	0	0	0	0	0	0	3261
18	0	0	0	0	0	0	0	313	697	844	909	948	956	942	896	799	537	140	0	0	0	0	0	0	7981
19	0	0	0	0	0	0	0	213	627	779	850	852	835	859	847	760	525	107	0	0	0	0	0	0	7255
20	0	0	0	0	0	0	0	171	132	722	832	871	883	859	798	695	452	80	0	0	0	0	0	0	6493
21	0	0	0	0	0	0	0	13	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
22	0	0	0	0	0	0	0	165	93	11	85	505	855	865	828	721	494	138	0	0	0	0	0	0	4759
23	0	0	0	0	0	0	0	0	0	0	0	12	131	874	781	529	100	0	0	0	0	0	0	0	2428
24	0	0	0	0	0	0	0	276	692	858	926	960	968	954	915	831	545	184	0	0	0	0	0	0	8110
25	0	0	0	0	0	0	0	350	543	786	878	913	921	908	866	770	558	145	0	0	0	0	0	0	7638
26	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	2	63	5	0	0	0	0	0	0	76
27	0	0	0	0	0	0	0	167	697	856	911	943	961	954	916	826	626	246	0	0	0	0	0	0	8103
28	0	0	0	0	0	0	0	51	508	289	780	871	840	327	669	628	467	132	0	0	0	0	0	0	5561
29	0	0	0	0	0	0	0	0	0	0	54	27	0	0	0	0	0	0	0	0	0	0	0	0	82
30	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
31	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
Avg	0	0	0	0	0	0	0	117	269	360	413	404	464	507	471	393	244	50	0	0	0	0	0	0	3694
S D	0	0	0	0	0	0	0	125	296	362	394	411	414	387	376	354	244	70	0	0	0	0	0	0	3059
S/A	0	0	0	0	0	0	0	1.06	1.1	1	0.95	1.02	0.89	0.76	0.8	0.9	1	1.38	0	0	0	0	0	0	0.83
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	0
Max	0	0	0	0	0	0	0	350	698	858	926	960	968	954	916	831	626	246	0	0	0	0	0	0	8110
n	0	0	0	0	0	0	0	292	372	372	372	372	372	372	372	372	371	68	0	0	0	0	0	0	3707

Daylight Data Recovery: 0.0% missing; 0.0% exceed the 15% QC threshold -- 3707 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

January 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	0	0	4	15	26 ?	88	47 ?	?	146	123	87	24	0	0	0	0	0	0	0	560 ?
2	0	0	0	0	0	0	0	6	44	103	168	192	205	180	128	48	11	0	0	0	0	0	0	0	1084
3	0	0	0	0	0	0	0	4	24	78	181	153	178	185	156	82	24	0	0	0	0	0	0	0	1065
4	0	0	0	0	0	0	0	3	19	43	115	228	264	241	161	44	30	0	0	0	0	0	0	0	1148
5	0	0	0	0	0	0	0	18	44	131	201	210	173	136	169	116	23	0	0	0	0	0	0	0	1220
6	0	0	0	0	0	0	0	11	60	159	222	268	188	146	100	58	6	0	0	0	0	0	0	0	1218
7	0	0	0	0	0	0	0	10	31	45	50	48	45	43	39	32	14	0	0	0	0	0	0	0	357
8	0	0	0	0	0	0	0	30	75	95	149	165	182	136	113	88	33	0	0	0	0	0	0	0	1065
9	0	0	0	0	0	0	0	25	49	71	48	74	47	46	41	33	17	0	0	0	0	0	0	0	452
10	0	0	0	0	0	0	0	4	11	31	113	221	197	44	39	32	15	1	0	0	0	0	0	0	707
11	0	0	0	0	0	0	0	13	31	40	42	48	50	45	42	34	17	1	0	0	0	0	0	0	363
12	0	0	0	0	0	0	0	17	32	41	46	51	60	72	78	65	31	0	0	0	0	0	0	0	494
13	0	0	0	0	0	0	0	17	82	204	230	311	212	113	192	86	34	4	0	0	0	0	0	0	1486
14	0	0	0	0	0	0	0	25	67	133	149	299	264	214	121	88	20	0	0	0	0	0	0	0	1380
15	0	0	0	0	0	0	0	13	39	58	96	141	95	78	59	43	20	3	0	0	0	0	0	0	645
16	0	0	0	0	0	0	0	31	110	160	127	269	201	180	194	115	41	5	0	0	0	0	0	0	1433
17	0	0	0	0	0	0	0	5	68	141	212	218	116	126	131	116	52	4	0	0	0	0	0	0	1189
18	0	0	0	0	0	0	0	16	36	48	52	50	48	45	44	35	20	5	0	0	0	0	0	0	400
19	0	0	0	0	0	0	0	16	42	58	65	86	72	66	55	44	24	5	0	0	0	0	0	0	533
20	0	0	0	0	0	0	0	17	60	59	62	61	60	59	57	46	26	6	0	0	0	0	0	0	511
21	0	0	0	0	0	0	0	28	51	43	75	51	52	62	33	19	6	0	0	0	0	0	0	0	419
22	0	0	0	0	0	0	0	47	109	147	247	188	72	59	48	41	23	4	0	0	0	0	0	0	984
23	0	0	0	0	0	0	0	5	21	46	115	126	301	332	71	51	30	7	0	0	0	0	0	0	1104
24	0	0	0	0	0	0	0	18	42	55	60	62	60	56	49	39	25	4	0	0	0	0	0	0	471
25	0	0	0	0	0	0	0	17	55	56	65	67	58	54	49	41	24	4	0	0	0	0	0	0	488
26	0	0	0	0	0	0	0	34	64	97	180	201	196	143	126	132	67	9	0	0	0	0	0	0	1248
27	0	0	0	0	0	0	0	17	42	52	58	59	56	53	47	40	25	7	0	0	0	0	0	0	455
28	0	0	0	0	0	0	0	28	69	171	75	63	80	234	122	102	34	9	0	0	0	0	0	0	987
29	0	0	0	0	0	0	0	9	61	128	248	202	77	86	55	23	8	3	0	0	0	0	0	0	902
30	0	0	0	0	0	0	0	3	11 ?	25 ?	46	56	69	43	35	26	11	2	0	0	0	0	0	0	329
31	0	0	0	0	0	0	0	7	34	64	80	99	113	92	60	40	19	6	0	0	0	0	0	0	615
Avg	0	0	0	0	0	0	0	16	48	84	118	139	126	113	88	60	24	3	0	0	0	0	0	0	817
S D	0	0	0	0	0	0	0	11	25	50	68	86	78	73	50	32	13	3	0	0	0	0	0	0	372
S/A	0	0	0	0	0	0	0	0.66	0.52	0.59	0.57	0.62	0.62	0.65	0.57	0.54	0.53	1	0	0	0	0	0	0	0.46
Min	0	0	0	0	0	0	0	3	11	25	42	47	45	43	33	19	6	0	0	0	0	0	0	0	329
Max	0	0	0	0	0	0	0	47	110	204	248	311	301	332	194	132	67	9	0	0	0	0	0	0	1486
n	0	0	0	0	0	0	0	272	365	364	372	369	360	372	372	372	368	68	0	0	0	0	0	0	3654

Daylight Data Recovery: 0.0% missing; 1.4% exceed the 15% QC threshold -- 3707 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

January 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	16	15	14.7	14.7	16.6	17.7	17.9	18.1	17.9	16.7	16.7	17.8	16.9	16.3	17.8	17.5	17.1	16.2	15.5	15.1	14.6	14.2	13.9	13.8	16.2
2	13.8	13.2	12.7	12.3	11.6	10.8	10.8	10.1	9.5	9.1	9	9.3	9.1	8.5	8	7.7	7.5	7.6	7.6	7.8	8	8.5	9.1	9.4	9.6
3	9.2	9.4	9.7	9.9	10.2	10.1	10.1	9.9	9.8	9.9	10.4	10.6	11.2	12.9	13.8	13.4	12.9	11.9	10.3	9.1	8.5	7.5	6.3	5.4	10.1
4	4.4	3.9	3.5	3.3	3.3	3.6	3.6	3.6	3.8	3.9	3.7	4.4	4.9	5.3	5.7	6.2	5.6	4.6	3.7	2.7	2.6	2.3	1	0.7	3.8
5	0.3	-0.1	-0.5	-0.1	-1	-1.1	-1.5	-1.3	1.8	4.5	6.1	6.3	6.3	7.8	8.1	8	7.9	7	5.6	5.2	4.5	4.4	4.3	3.4	3.6
6	3.4	2.9	2.1	2	2.2	2.6	2.8	3.2	3.9	5.9	8.2	9.8	11.2	11.5	11.4	10.8	8.5	7.8	6.7	4.4	2.9	1.5	0.4	0.8	5.3
7	0.4	0.2	0.4	-0.1	-0.7	-1.1	-1.6	-1.9	-1.5	-0.8	-0.2	0.6	1.5	2.3	3.2	3.7	3.5	2.1	1.7	1.2	1.5	2.3	2.8	3.5	1
8	4.2	4.7	5.1	5.1	5.4	5.6	6	5.6	5.8	7.3	8.7	10.5	11.9	12.9	13.3	13.3	12.6	11.8	10.6	10.1	10.8	10.8	11	11	8.9
9	11.1	11.2	11.5	11.6	12.3	12.1	11.7	11.3	12	13.6	15.2	16.5	18	18.7	19	19.3	18.7	17	15.9	15	14.5	13.7	13.8	13.9	14.5
10	14	13.7	13.5	13	12.4	12.1	12	11.9	11.8	11.4	11.2	11.4	11.6	12.4	12.7	12.3	11.2	9	8	6.8	6.5	6	5.4	4	10.6
11	3.1	2.4	2.5	1.7	1	0.1	-0.6	-0.7	0.7	2.3	3.3	3.8	4.3	4.9	5.5	5.7	5.3	4	2.9	2	1.2	0.8	0.1	-0.8	2.3
12	-1	-1.1	-1	-1	-1.3	-1.8	-2.6	-3.3	-2.2	-0.8	-0.1	1	1.9	2.6	3.3	3.4	2.6	1.6	0.9	0.1	-0.5	-1.2	-1.5	-1.8	-0.2
13	-1.6	-1.6	-1.8	-1.4	-1	-1	-0.9	-0.8	-0.3	1	2.8	4	4.8	5.7	6.1	6.6	6.1	5.9	5.9	5.9	5.7	5	4.2	3.6	2.6
14	3.2	2.5	2.5	2	1.5	0.8	0.7	0.7	1.6	2.8	3.5	3.5	3.5	3.2	2.9	2.3	1.8	1.3	1.1	1.1	1	0.6	0.6	0.9	1.9
15	1.2	1.4	1.2	0.6	0.6	0.4	0	-0.7	-0.7	0.2	0.8	1.5	2.1	2.8	3.4	3.7	3.3	1.8	0.5	0	-0.9	-1.1	-1.4	-1.6	0.8
16	-1.7	-1.9	-2.6	-3.1	-3.5	-3.4	-3.6	-3.6	-2.6	-1.6	-0.1	0.3	0.7	1.5	1.3	1.3	0.9	0.9	1.3	1.8	2.3	2	2.9	1.7	-0.4
17	1.1	1.2	1	0.8	0.8	0.4	0.1	-0.6	-1	-0.9	-0.7	-0.6	0.2	1	1	0.7	0.3	-0.6	-1.3	-1.8	-2.1	-2.1	-1.8	-1.8	-0.3
18	-2	-2.6	-3.1	-3.8	-4.5	-5	-5.6	-6	-5.6	-5.1	-4.3	-3.5	-2.6	-2	-2	-1.4	-1.6	-2.8	-3.2	-3.8	-4.2	-4.2	-5.1	-5.7	-3.7
19	-5.8	-5	-4.5	-4	-3.6	-2.8	-3	-3.4	-2.8	-1.2	0.1	0.8	1	1.4	1.9	1.6	1.4	0.4	-0.1	-0.8	-1	-0.3	-0.2	0.6	-1.2
20	0.8	1.5	2.5	2.6	3.3	3.2	2.7	2.6	3.4	5.3	8	10.2	11.6	12.6	13	13.6	13.5	12.1	10.9	8.1	4.1	3.2	2.5	1.9	6.4
21	1.6	1.3	0.9	0.7	0.5	0.9	1.2	1	1.6	1.9	1.9	1.5	0.7	0.4	-0.1	-0.6	-1.3	-1.8	-1.9	-1.9	-1.7	-1.4	-1.7	-2.2	0.1
22	-2.9	-3.3	-3.6	-4.4	-4.5	-4.5	-4.4	-4	-3.1	-2.9	-2.5	-1.4	-0.1	0.9	1.5	1.8	1.7	0.3	-1.6	-2.2	-2	-1.9	-2	-1.8	-2
23	-2.2	-4.2	-5.3	-6	-6.7	-7	-7.4	-7.5	-7.8	-8	-8.2	-8.7	-8.2	-7.4	-6.2	-5.7	-6.1	-6.8	-7.8	-8.3	-8.1	-8.2	-9.1	-9.9	-7.1
24	-10.4	-10.5	-10.5	-10.9	-11.1	-11.3	-11.1	-10.6	-9.1	-6.6	-5	-3.5	-1.9	-0.5	0.7	1.4	1.7	0.2	-1.1	-1.9	-2.4	-2.7	-3.1	-3.4	-5.1
25	-4.2	-4.7	-4.7	-4.6	-4.4	-4.9	-5.1	-5.3	-4	-2.2	0.3	1.5	2.6	3.6	4.3	5	5.1	3.7	2.3	1.3	0.8	0.3	-0.3	-0.8	-0.6
26	-1.1	-0.9	-0.9	-1.3	-1.1	-0.6	-0.6	-0.2	0.7	1.8	2.8	3.7	4.8	5.1	4.8	5.2	5	4.5	4.3	4.2	3.7	2.8	2.5	3.1	2.2
27	2.9	1.6	1.1	0.7	-0.6	-1.6	-2.8	-4.2	-4.8	-5.1	-5	-4.6	-4.4	-4	-3.4	-3.2	-3.1	-3.9	-4.6	-5.1	-5.8	-6	-6.6	-7.1	-3.3
28	-8	-8.2	-8.7	-9	-8.8	-8.6	-8.2	-7	-5	-3.1	-1.9	-0.3	0.8	2	3.4	4.5	4.8	4.1	3.2	2.1	1.2	1.7	2.4	2.5	-1.8
29	2.8	3.3	3.4	3.7	4.5	4.7	5	5.4	6.3	7.1	8.3	10.3	10	9.9	10	9.9	9.5	9	9	8	7.8	8.2	7.6	6.8	7.1
30	4.8	3	2.5	2.2	2.1	2.1	1.9	1.8	1.9	2.2	2.7	3.1	3.8	4.4	4.1	3.6	3.3	2.9	3	2.9	3	3.4	3.8	4.5	3
31	4.4	4.7	5.6	4.5	3.8	3.1	3	3	3.1	3.3	3.3	3.5	3.8	4.1	4.3	4.1	4	3.9	3.7	3.6	3.6	3.6	3.5	3.5	3.8
Avg	2	1.7	1.6	1.3	1.3	1.2	1	0.9	1.5	2.3	3.2	4	4.6	5.2	5.6	5.7	5.3	4.4	3.6	3	2.6	2.4	2.1	1.9	2.8
SD	6.1	6	6.1	6.1	6.3	6.4	6.5	6.4	6.2	5.9	5.9	6.1	6	6	5.9	5.9	5.7	5.6	5.5	5.4	5.3	5.2	5.3	5.4	5.5
S/A	3.04	3.52	3.83	4.56	5	5.55	6.58	7.27	4.23	2.54	1.85	1.53	1.31	1.15	1.07	1.03	1.08	1.28	1.52	1.8	2.05	2.2	2.53	2.89	1.94
Min	-10.4	-10.5	-10.5	-10.9	-11.1	-11.3	-11.1	-10.6	-9.1	-8	-8.2	-8.7	-8.2	-7.4	-6.2	-5.7	-6.1	-6.8	-7.8	-8.3	-8.1	-8.2	-9.1	-9.9	-7.1
Max	16	15	14.7	14.7	16.6	17.7	17.9	18.1	17.9	16.7	16.7	17.8	18	18.7	19	19.3	18.7	17	15.9	15.1	14.6	14.2	13.9	13.9	16.2
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: 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

January 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	100	101.3	101.8	103.6	102.4	99.8	98.4	97.6	98.9	104.1	102.8	101.1	102.9	102.9	98.4	95.9	97.7	100.6	103.4	103.8	100.3	93.1	91.9	92	99.8
2	91.8	94.4	96.5	97.4	99.1	101.6	102.6	98	90.7	91	90.5	85.9	85.9	87.3	90.8	95.1	98.9	99.3	98.9	98.6	98.9	100	101	101.7	95.7
3	103.2	104.2	104.3	104.1	103.5	104.6 ?	?	?	?	?	?	104.8 ?	102.9	95.9	91.6	92.6	96	98	100.8	100.4	98.6	91.9	85.3	86.4	98.4 ?
4	93.7	94.9	96.1	95.4	92.1	90.3	90.5	91.4	92.2	89.3	85.2	81.6	79.2	76.7	71.5	66.6	68.5	73.1	76.7	83.3	84	85.5	92	93.1	85.1
5	95	96.9	99.6	100.7	101.6	102.1	102.7	103	96.7	91.2	72.1	63.5	63.4	58.8	58.4	61.6	64.6	70.8	79.6	80.3	90.7	98.2	95.1	97.9	85.2
6	99.8	98.8	100	99.5	97.9	96.3	97.7	97.6	96.5	87.7	78.3	70.7	60.3	54.9	54.6	57.1	79.1	84.3	90.9	100.7	101.7	103.4	103.1	99.8	88
7	100.2	100	92	90.3	89.7	82.5	81.5	80.7	76	65.8	58.5	53.8	49.5	44.4	41.2	38.8	40.6	48.3	49.4	54.3	55.8	53.2	51.8	51.5	64.6
8	49.5	48.8	48.7	51.2	49.8	47.7	46.6	49	51.9	51	51.8	51.4	50.1	50.4	50.2	52.1	56.5	58.7	62.3	63.7	60.4	60.7	60.8	61.7	53.5
9	61.8	61.5	58.8	57.8	54.7	55.3	56.8	59.1	57	53	49.5	46.8	40.4	38.4	41.1	37.8	39.9	44.6	47	50.3	54.9	61.5	64.3	66.2	52.4
10	66.5	68.6	69.5	71	72.4	72.1	71.1	69.7	66.1	67.8	65.7	51.7	44.6	40.1	37.5	33.8	36.5	46.1	46.1	49.9	50.2	51.4	53.2	58	56.6
11	62	64.3	60	62.2	63.9	65.9	66.3	65.6	60.9	54.3	48.6	45.6	43.5	42.3	39.4	36.6	37.9	43.9	49.2	51.7	54.3	54.3	56.4	60.4	53.7
12	61.8	62.4	60.9	63.4	55.6	52.8	60.3	65.2	60.2	51	47	44	40.1	38.4	35.9	36.4	39.3	44.7	49.5	55.3	60.3	66.5	66.5	69.2	53.6
13	65.3	66.1	68.1	71.2	73.1	72.4	70.1	67.8	67.8	58.6	44	38.6	36.2	36.4	36.7	35.1	39.4	41.7	42.1	39.3	39.5	41.6	44	46.4	51.7
14	48.8	51.3	55.8	65.6	70.9	73.7	70.5	70.9	67	61.8	57.8	58.2	61.3	63.9	65.1	66.3	69.8	73.6	80.6	83.5	88.2	93	96.1	97.8	70.5
15	97.8	97.3	96.9	96.3	91.6	95.7	95.8	92.9	82.3	66.9	57.5	53.8	52.3	50.4	44.7	41.3	36.3	35.8	40.2	39.7	43.7	43.7	46.9	47	64.4
16	48.3	47.1	48.3	56.4	66.4	72.6	75.2	77.6	74.3	68.8	62	58.4	54.3	51.3	54	57.8	62.9	68.1	72.3	72.4	77.7	90.7	101.6	103.9	67.6
17	?	104.9 ?	104.9	104.9 ?	104.1	103.7	102.5	100.4	95.2	90	84.9	80.6	71	63.7	58.2	57.9	59.1	63.5	68.1	72.6	76.5	79.4	81.3	84.3	83.1
18	66.9	62.6	56.1	60.7	67.5	69.7	69.5	66.4	63.5	55.2	51.1	44.2	39.4	40.7	41.7	41.9	46.4	53.9	56.6	62.2	68.8	67.4	77.9	86	59
19	89.6	87.5	85.1	80.5	80.7	75.4	69.8	70.3	69	61.6	50.4	44.8	42.7	42	38.5	36.5	38.8	43.9	46	52	54.5	54.1	54.7	53.2	59.2
20	52.9	49	45	44.4	42.4	43.5	47	50	49.6	46.5	42.1	40.2	39.7	39.7	39	38.8	39.5	43.8	48	57.8	72.9	79.8	88	91.2	51.3
21	87.7	83.1	76.8	75.3	75	74.7	75.9	77.8	79.2	79.3	79.3	80.7	87.7	96.2	95.9	97.1	94	85.9	81.4	80.6	83.9	86.7	89.3	90.5	83.9
22	90.6	90.4	91.4	95.5	93.6	88	80	75.5	72.4	71.1	62.2	58.8	55.3	49.6	43.6	43.6	43.6	46.4	68.6	74.3	72.9	69.9	71.5	67.7	69.9
23	65	85.6	95.1	97.7	98.7	99	99.6	100.1	100.8	100.9	100.8	97.8	84.4	69.8	50.2	44	43.9	45.7	50.2	51	46.7	42.9	43.2	45.6	73.3
24	48.8	51.6	53.5	58.4	59.9	62.2	65	64.7	62.8	57.5	51.2	45.2	41.1	36.7	34.3	33	32	39	43.6	45.4	46.2	46.1	47.2	50.2	49
25	53.6	56.7	60	59.3	59.4	65.7	66.4	68.2	63.7	55.4	46.2	41.2	39.6	38.2	36.6	35.9	36.6	44.6	48.6	53	62.3	68.9	73.4	78.4	54.7
26	83.8	81.3	79.9	82.1	80.7	75.2	72	69.5	66.7	66.7	64.3	59.1	54.6	55.5	58.2	55.7	58.1	63.8	66.8	64.5	64.2	67.2	67.9	65.1	67.6
27	64.8	80.7	87.8	84.3	91	65.7	53.4	51.3	50.7	42.5	43.2	40.1	39.3	37.8	36.8	36	36	37.7	41.5	44.8	47.4	47.1	53.4	59.4	53
28	71.6	76.4	82.1	81.9	82.8	79.6	78.8	76.4	64.5	57.8	54.1	42.3	39.9	37.4	35	30.7	31.4	34.3	38.8	54.6	61.4	63	61.6	63.1	58.3
29	63.8	60.6	61.1	61.1	57.4	58.6	59.1	60	58.6	57.9	55.9	53.2	57.8	58.7	61.9	62	70.8	76.3	77.6	93.9	101.5	103.3	104.3	104.8 ?	70
30	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
31	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Avg	74.4	76.8	77.1	78.3	78.6	77.5	75.9	75.6	72.7	68	62.7	59.9	57.2	55.1	53.1	52.3	55	59	62.9	66.7	69.6	71.2	73.2	74.9	68
SD	18.9	19.3	19.8	18.6	18.4	17.8	17.1	16.2	15.7	17	17.5	19.6	19.8	19.7	19.5	20.5	21.5	20.2	19.8	19.7	19.6	20	20.1	19.8	15.6
S/A	0.25	0.25	0.26	0.24	0.23	0.23	0.23	0.21	0.22	0.25	0.28	0.33	0.35	0.36	0.37	0.39	0.39	0.34	0.32	0.3	0.28	0.28	0.27	0.26	0.23
Min	48.3	47.1	45	44.4	42.4	43.5	46.6	49	49.6	42.5	42.1	38.6	36.2	36.4	34.3	30.7	31.4	34.3	38.8	39.3	39.5	41.6	43.2	45.6	49
Max	103.2	104.9	104.9	104.9	104.1	104.6	102.7	103	100.8	104.1	102.8	104.8	102.9	102.9	98.4	97.1	98.9	100.6	103.4	103.8	101.7	103.4	104.3	104.8	99.8
n	336	342	346	345	348	342	336	336	336	336	336	339	348	348	348	348	348	348	348	348	348	348	348	340	8246

Data Recovery: 0.0% missing; 7.6% 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

January 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	15.1	15	14.5	14.2	14.6	15.9	16.9	17.4	17.8	17.5	16.7	16.9	17.1	16.7	17.4	18.1	17.9	17.1	16	15.3	14.6	13.8	13.2	13.1	15.9
2	13	12.8	12.4	11.9	11.3	10.5	10.2	10.5	10.3	10.2	10.2	10.6	10.9	10.9	10.5	9.7	8.9	8.3	8.1	8	8.1	8.2	8.6	8.9	10.1
3	9.1	8.9	9.3	9.7	9.9	10.1	10.1	10.1	10.2	10.3	10.6	11.4	12.2	13.5	15.2	15.3	14.3	13.3	12.1	10.8	9.8	9	7.5	5.8	10.8
4	4.5	3.6	2.8	2.6	2.2	2.7	3.1	3.3	3.5	3.8	4.1	4.7	5.7	6.6	6.9	7.3	6.5	4.7	2.5	0.9	0.1	-0.7	-1.4	-1.9	3.3
5	-2	-2.3	-2.7	-2.7	-2.6	-3.2	-3.6	-3.7	-2	2	5.4	7.7	7.6	8.3	9.6	9.7	8.9	7.3	5.3	3.1	2	1.7	1.9	1.7	2.4
6	1.4	1.3	0.9	0.6	0.8	1.1	1.4	1.9	2.6	4	6.5	9.1	11.6	13.1	12.9	12.4	11	9.2	7.8	6.3	4.7	3.2	1.7	0.8	5.3
7	0.3	-0.4	-0.8	-1.1	-1.7	-2.3	-2.9	-3.3	-2.6	-0.8	0.9	2.2	3.4	4.1	4.5	4.8	4.6	3.1	1.2	0.2	-0.2	0.3	0.9	1.8	0.7
8	2.8	3.7	4.3	4.7	4.8	4.9	5.1	5.1	5.4	6.1	8.2	10.2	12.3	13.6	14.3	14.4	13.5	12	10.7	9.2	9	9.3	9.5	9.6	8.4
9	9.7	9.8	10.1	10.2	10.5	10.9	10.9	10.7	11.2	12.6	14.9	16.9	18.5	19.6	20.3	20.4	20	18.1	15.8	14.4	13.7	13.3	13	12.9	14.1
10	13	13.1	13	12.6	12	11.6	11.5	11.4	11.5	11.3	11.2	11.6	12.5	13.7	14.4	14.3	13.4	11	8.1	6.2	4.9	4.1	3.6	2.8	10.5
11	1.8	0.7	0.2	0	-0.9	-1.8	-2.6	-3.1	-1.9	1.3	4.2	6.5	7.5	7.8	7.8	7.6	7	5	2.1	0.4	-0.8	-1.6	-2.4	-3.2	1.7
12	-3.4	-3.5	-3.5	-3.1	-3	-3.3	-4.1	-5.1	-4.2	-1.3	1.1	3.1	4.6	5.5	5.8	5.7	4.3	1.6	-0.4	-1.8	-2.7	-3.5	-4.1	-4.4	-0.8
13	-4.6	-4.7	-4.7	-4.5	-3.9	-3.5	-3.4	-2.9	-2.2	-0.6	1.9	4	5.6	6.8	7.1	7.5	6.7	5.8	5.4	5.5	5.6	5	3.6	2.6	1.6
14	2.1	1.4	0.7	0.4	0	-0.6	-1.1	-1.2	0	2.3	4.8	6.3	6.4	5.9	5.3	4.4	3.4	2.5	1.7	1.3	1.1	0	-0.8	-0.5	1.9
15	0.1	0.4	0.7	0.6	0.4	0.5	0.4	0	-0.8	0.5	2.3	3.6	4.5	5.2	5.4	5.1	4.8	3.2	0.5	-1.3	-3	-3.9	-4.6	-4.7	0.8
16	-4.6	-4.5	-4.7	-5.5	-6.1	-6.3	-6.1	-6.1	-4.7	-2.4	-0.4	2.2	2.8	3.8	4.2	3.6	2.6	1.5	1	1.2	1.7	2	1.9	2.4	-0.9
17	1.8	1.5	1.3	1.1	0.9	0.7	0.4	0.1	-0.4	-0.4	0.6	1.1	2.2	3.1	3.8	3.3	2.3	0.5	-1.9	-3.3	-4.2	-4.3	-3.7	-3	0.1
18	-2.9	-3.5	-4.1	-4.9	-5.9	-6.5	-7	-7.5	-6.5	-4.6	-2.9	-1.2	0.2	1.2	1.3	0.9	0.6	-1.4	-4.4	-6.1	-7.1	-7.9	-8.2	-8.9	-4
19	-9.3	-9.2	-8.5	-8	-7.3	-6	-4.7	-4.5	-3.9	-1.9	0.4	2.1	3.1	3.4	3.5	3.4	2.9	1.5	-0.7	-1.9	-2.9	-2.9	-2.5	-1.8	-2.3
20	-0.8	-0.3	0.5	1.1	1.8	2.5	2.5	2	2.3	3.8	6.8	9.6	11.8	13.2	13.9	14.3	14.5	13.4	11.2	9.5	6.7	4	2.3	1.1	6.1
21	0.5	0.1	-0.1	-0.3	-0.6	-0.4	0.2	0.1	0.5	1.5	2	2.3	2.1	1.4	0.9	0.3	-0.2	-1	-1.5	-1.7	-1.7	-1.6	-1.9	-3.1	-0.1
22	-4	-4.7	-5.2	-5.9	-6.6	-7.1	-7.1	-6.8	-5.1	-3.5	-2.4	-0.7	2	3.6	4.3	4.3	4	2.2	-0.7	-2.5	-3.2	-3	-2.8	-2.8	-2.2
23	-2.5	-2.8	-3.8	-4.7	-5.5	-6.1	-6.5	-6.9	-7.1	-7.3	-7.3	-7.3	-7.3	-6.5	-5.3	-4.4	-4.4	-5.6	-7.6	-9.2	-9.8	-9.9	-10	-10.6	-6.6
24	-11.3	-11.7	-11.6	-11.6	-12	-12.3	-12.5	-12.5	-10.8	-7.7	-4.7	-2.4	-0.5	0.9	2	2.7	2.9	1.4	-1.7	-3.6	-4.6	-5.2	-5.5	-5.7	-5.7
25	-6.2	-6.7	-6.8	-6.6	-6	-6	-6.7	-7.2	-5.7	-2.7	0.5	3.1	4.6	5.5	6.1	6.4	6.5	5.2	2	0	-1.2	-1.8	-2.2	-2.7	-1.2
26	-3.3	-3.4	-3.4	-3.5	-3.5	-2.5	-2.4	-1.9	-0.8	0.5	2	3.5	4.8	5.6	5.9	5.9	6	5.4	4.6	4.1	3.3	1.9	0.8	0.7	1.3
27	1.3	1.6	1.4	1.2	0.7	-0.2	-1.4	-2.6	-3.5	-3.1	-2.5	-1.8	-1.4	-1.2	-1.2	-1	-1.2	-2.5	-5	-6.6	-7.7	-8.6	-9.4	-10.2	-2.7
28	-11	-11.6	-11.8	-11.8	-11.9	-11.6	-11	-9.4	-7.3	-3.9	-1.1	1.4	3.1	4.1	4.8	5.7	6	5.3	3.4	1.8	0.6	0.3	0.6	1.2	-2.7
29	1.9	2.6	3.1	3.4	3.8	4.3	4.7	5.1	5.6	6.5	7.7	9.7	10.2	10.1	9.8	10	10	9.6	9.3	8.8	8	7.8	7.9	7.7	7
30	7	5.3	3.8	3.1	2.6	2.4	2.3	2.1	2	2.1	2.4	2.9	3.4	4.1	4.5	4.4	4.1	3.7	3.3	3.2	3.1	3.3	3.5	4	3.4
31	4.4	4.5	5	5.2	4.8	4.1	3.6	3.5	3.5	3.6	3.8	4	4.3	4.6	4.9	4.9	4.8	4.6	4.4	4.2	4	4	3.9	3.9	4.3
Avg	0.8	0.6	0.4	0.3	0.1	0.1	0	0	0.5	1.9	3.5	4.9	6	6.7	7.1	7.1	6.7	5.4	3.6	2.5	1.7	1.2	0.8	0.6	2.6
SD	6.6	6.7	6.6	6.6	6.7	6.8	6.9	6.9	6.5	5.9	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.8	6	6	5.9	6	6	5.6
S/A	8.62	12.13	16.63	24.38	56.42	86.5	1132	-143	12.12	3.06	1.58	1.11	0.92	0.83	0.79	0.79	0.84	1.04	1.6	2.41	3.57	5.03	7.33	10.53	2.15
Min	-11.3	-11.7	-11.8	-11.8	-12	-12.3	-12.5	-12.5	-10.8	-7.7	-7.3	-7.3	-7.3	-6.5	-5.3	-4.4	-4.4	-5.6	-7.6	-9.2	-9.8	-9.9	-10	-10.6	-6.6
Max	15.1	15	14.5	14.2	14.6	15.9	16.9	17.4	17.8	17.5	16.7	16.9	18.5	19.6	20.3	20.4	20	18.1	16	15.3	14.6	13.8	13.2	13.1	15.9
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

January 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	1.4	1.6	1.6	1.8	2.5	3.1	2.5	2.7	2.6	5.1	5.1	4.6	4	4	3.8	2.8	2.7	2	1.8	2.2	2.8	2.8	3.3	4	2.9
2	3.9	3.7	3.2	2.6	1.2	0.5	0.3	2.7	2.8	2.6	2.6	2.4	3.1	2.9	3	2.7	2.5	2.2	2.6	1.9	2.4	2.2	2.6	1.9	2.4
3	1.9	1.2	1.2	1.7	0.6	1	1.3	0.8	0.6	1.4	1.1	1.5	0.6	0.2	1	2.3	2.5	2.3	2.9	2.3	3.1	4.3	3.8	3	1.8
4	3	2.2	2	2.1	2.1	1.4	1.3	1.3	1.9	2.2	2.9	2.5	2.4	2.5	3	2.8	1.6	0.6	0.6	0.8	0.3	0.1	0.3	0.6	1.7
5	0.5	0.3	0.8	0.8	0.2	0	0.3	0.2	0.1	1	2.2	2.6	2	2.1	3.1	2.3	1.2	0.3	0	0	0.7	0.7	0.4	0.3	0.9
6	0.9	0.5	0.3	0.2	0.2	0.4	0.4	0.4	0.5	0.4	0.9	1.9	2.2	2.2	2	2.1	1.8	0.7	1.7	2.9	3.6	3.8	3.9	2.6	1.5
7	2.6	3.4	4.5	3.5	2.8	3.1	3.2	2.5	2.5	3.9	5	4.2	4.2	4.3	4.4	4.5	2.8	2.5	2.4	2.9	4.3	4.9	4.8	5.1	3.7
8	6.6	6.6	5.8	5.3	5.8	6	7.2	6.2	5.8	7	6.7	6.4	6.1	5	4.8	3.9	2.7	3	1.9	2.9	4.4	4.1	4.4	4.9	5.1
9	5.2	6.3	5.7	5.9	6.1	6.4	6.2	6	5.2	5.1	5.2	5.6	5.9	4.9	4.3	4.5	3	1.7	1.9	2	2.2	2.2	2.5	3	4.5
10	4	3.9	3.2	2.5	2.2	2.2	2.1	2.1	1.5	1.1	2.1	3.3	3.7	2.9	3.4	3.6	2.5	2.9	2.2	1.8	1.6	1.9	1.8	1.9	2.5
11	1.5	1.8	2.5	1.7	1.5	1.3	1.5	1.2	1	2.1	1.8	2.5	2.6	2.4	3	3.2	2.7	1.2	1	1	1	0.6	0.3	1	1.7
12	1.2	1.3	2.7	3	3.7	2.3	1.3	1.2	1.4	2.5	3.1	2.5	2.4	2.6	2.1	1.8	1	0.5	0.3	0.2	0.1	0.1	0.2	0.3	1.6
13	0.3	0.4	0.6	1	1	0.9	1.5	1.6	2.4	3.5	3.9	4.3	4.4	4	4	3.6	2	1.3	3.1	3.3	2.6	2.1	2.2	2.3	2.3
14	2.6	1.9	2.1	2.4	1.9	2	2.1	2	2.3	3.5	3.1	2.5	2	1.8	2.1	2.3	1.8	1.7	1.7	1.3	1.5	1.2	1.3	1.3	2
15	0.2	0.3	1.1	1.5	2.8	4.1	4.4	3.5	3.1	3.5	3.9	3.7	3.4	3.3	3.4	3.5	3.2	2.6	2.1	1.2	1.1	0.9	1.2	1.4	2.5
16	2	2.2	1.2	1	1	1.5	1.4	1.9	2.2	3	1.8	1.8	2	3	2.7	3	3.1	2.5	2.9	3.5	3.2	2.7	2.4	3.3	2.3
17	2.8	2.6	2.2	2.7	1.4	1.6	2.5	3.1	2.8	3.5	4.1	4.1	4.5	3.6	4.2	3.7	3.1	1.5	1.4	1	0.6	0.5	1.1	1.8	2.5
18	2.2	2.5	2.9	1.8	1.9	2.6	2.3	2.7	3.1	3.6	3.5	2.8	2	1.5	2.3	1.3	1.8	0.9	0.7	0.6	0.5	0.6	0.1	0.1	1.9
19	0.6	1.1	1.2	1.4	1.6	3.1	3.6	3.5	4.1	4.7	5.7	4.9	6	5.5	4.7	4.7	4.2	2.4	2.4	1.8	2.3	3.1	3.2	3.8	3.3
20	3.7	4.5	5.7	6.1	6	5.5	4.6	4.7	5.7	6.3	6.5	6.5	7.5	8	7.6	6	4.4	3	2.3	3.4	2.9	2.2	1.5	1.9	4.9
21	2.2	2.6	3.2	3.2	2.8	2.7	2.4	2.1	2.7	3.3	3.7	4.1	3.8	3.8	3.8	4.2	3.5	3.5	2.9	3.1	2.9	2.1	1.4	1.5	3
22	1.3	1.1	0.8	0.6	0.5	1.1	1.1	1.4	2.3	2.7	3.3	2.6	2.1	1.6	1.7	1.1	0.9	1.5	1.8	1.2	1.4	1.7	1.8	2.1	1.6
23	3.7	3.7	3.8	3.8	3.6	3.5	4.4	3.8	2.8	3.9	4.5	4.8	5.5	5.7	5.6	5.1	5	3.4	2.4	2.4	3.3	3.7	4.2	3.4	4
24	3.3	3.4	4	3.3	3.2	2.9	2.8	2.2	2.2	4.2	5.5	5.1	4.2	3.9	3.2	2.7	1.7	1.3	1.1	1.3	1.1	1.4	1.7	1.5	2.8
25	1.3	0.6	0.5	1.4	1.7	0.6	1.6	1.2	0.9	1.8	2.8	4.1	3.8	3.4	3.4	2.6	1.9	0.8	0.8	0.9	1.4	1.3	1.4	0.9	1.7
26	1.2	1.2	1.1	0.6	0.8	0.8	1.2	1.2	1	1.2	1.7	2.2	2	1.8	2	2.2	2.1	1.7	1.7	2	1.8	1	1.9	3.3	1.6
27	3.2	4.4	3.9	4.6	5	5.4	5.7	6	5.4	6	5.5	5.4	5.1	4.9	3.7	3.6	2.7	1.9	1.6	1.4	0.9	0.8	0.3	0.1	3.6
28	0.2	0.2	0.3	0.2	0.3	0.6	0.6	0.4	0.8	1.8	2.5	2.9	3.6	3.3	3.8	4.9	4	2.8	1.6	1.6	1.6	2.2	2.5	2	1.9
29	2	2.1	1.7	1.8	2.6	2.8	2.7	2.8	2.8	2.7	3.3	4.5	3.4	2.3	0.8	0.2	0.4	0.3	1.2	1.4	1.4	1.4	1.3	1.7	2
30	3.4	3.2	2.3	2.8	3	2.8	2.6	2	2.2	2.4	1.8	1.6	2.5	1.8	2.1	1.9	2.6	3	2.6	3	2.5	2	3.1	2.6	2.5
31	2.3	2.3	2.3	2.7	3.4	2.9	2.3	2.1	2.2	2	3	2.8	2.2	1.7	0.9	1.1	0.6	0.7	0.8	0.9	0.8	0.7	0.3	0.4	1.7
Avg	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.5	3.2	3.5	3.6	3.5	3.3	3.2	3	2.5	1.8	1.7	1.8	1.9	1.9	2	2.1	2.5
SD	1.5	1.7	1.6	1.5	1.7	1.7	1.7	1.6	1.5	1.6	1.6	1.4	1.6	1.6	1.4	1.3	1.1	1	0.8	1	1.2	1.3	1.4	1.3	1
S/A	0.66	0.71	0.66	0.65	0.71	0.7	0.69	0.65	0.6	0.51	0.45	0.39	0.45	0.49	0.45	0.43	0.44	0.52	0.47	0.53	0.6	0.67	0.69	0.65	0.42
Min	0.2	0.2	0.3	0.2	0.2	0	0.3	0.2	0.1	0.4	0.9	1.5	0.6	0.2	0.8	0.2	0.4	0.3	0	0	0.1	0.1	0.1	0.1	0.9
Max	6.6	6.6	5.8	6.1	6.1	6.4	7.2	6.2	5.8	7	6.7	6.5	7.5	8	7.6	6	5	3.5	3.1	3.5	4.4	4.9	4.8	5.1	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

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

January 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	103	69	72	67	81	96	93	97	114	69	77	100	83	52	78	107	123	141	140	154	169	174	182	186	105
2	192	189	201	210	225	236	241	334	334	336	348	351	15	11	27	22	27	26	11	15	31	32	33	36	4
3	51	52	53	45	152	135	169	188	35	63	75	44	10	243	209	211	227	240	248	250	249	266	255	253	244
4	251	249	253	253	257	253	236	233	247	240	234	244	247	240	234	239	240	205	189	222	277	335	171	211	242
5	205	226	303	336	233	50	117	119	149	118	118	122	142	134	109	107	99	191	99	8	62	75	110	139	118
6	233	251	151	201	167	149	141	202	179	197	202	219	250	246	250	284	3	27	282	255	254	249	265	257	253
7	239	247	251	250	247	251	259	252	243	248	254	245	246	238	232	225	219	206	198	179	184	185	184	183	227
8	183	186	186	185	185	188	194	210	211	211	216	223	223	219	220	216	198	187	166	172	179	174	179	179	198
9	180	184	185	187	191	194	199	195	203	196	203	195	201	194	177	194	181	166	159	158	157	156	157	164	187
10	183	184	196	200	198	215	209	222	237	249	244	254	245	243	223	230	238	218	226	218	214	214	238	245	221
11	241	229	243	240	246	241	233	247	251	284	286	243	228	214	213	215	217	232	234	241	225	236	225	209	235
12	222	233	271	284	284	276	250	240	251	280	281	274	273	246	278	244	244	228	267	264	268	103	95	119	266
13	159	135	147	145	150	170	164	167	180	187	181	183	178	169	170	179	179	190	183	191	200	194	188	211	180
14	225	253	302	321	321	333	314	315	335	3	353	339	335	347	14	13	31	49	52	36	32	56	62	75	350
15	306	323	281	266	278	289	304	290	284	287	276	266	252	251	250	240	233	233	214	202	177	176	192	204	261
16	218	249	248	276	288	304	303	311	336	346	9	61	61	45	69	67	61	55	57	55	47	13	17	264	20
17	292	291	276	287	278	257	253	268	281	251	265	262	275	274	275	268	259	253	246	228	220	217	228	278	268
18	291	277	280	271	280	286	283	288	306	315	305	314	296	256	190	169	121	104	86	96	104	112	126	116	286
19	117	149	145	148	140	189	209	214	215	224	229	228	221	222	230	220	219	211	187	161	162	171	163	164	204
20	168	176	179	184	193	188	180	180	183	186	198	202	200	207	208	206	214	213	213	321	343	342	350	356	198
21	5	355	360	0	357	11	18	11	7	351	357	356	342	339	345	325	323	316	319	308	303	304	293	290	342
22	269	264	251	257	275	280	280	298	317	320	315	325	331	301	271	250	319	315	27	6	347	353	359	338	316
23	320	309	307	306	294	292	289	288	282	288	284	274	267	263	263	250	252	250	242	240	251	249	246	244	273
24	230	226	227	233	236	240	239	242	246	271	279	278	269	278	279	278	262	243	219	221	219	212	202	227	251
25	214	208	241	215	199	172	186	175	177	214	194	201	197	197	204	196	186	137	145	123	126	142	126	130	188
26	134	154	152	133	152	159	159	159	168	136	134	146	168	136	138	140	142	156	166	168	169	159	185	215	158
27	251	304	294	296	293	292	286	284	284	282	286	286	277	281	277	280	276	274	281	289	268	274	263	271	284
28	234	250	223	202	229	226	209	201	153	133	155	143	156	160	172	176	181	175	154	141	151	162	167	158	165
29	155	166	148	158	152	148	148	151	156	151	167	183	182	170	154	158	24	332	283	264	255	269	312	341	171
30	357	347	337	342	342	324	319	310	335	333	330	317	343	318	301	294	297	303	309	308	311	299	318	322	323
31	288	321	298	296	301	294	313	287	289	286	290	292	295	280	274	262	286	277	272	244	257	273	251	246	290
Avg	221	230	238	245	242	241	238	245	250	258	253	242	239	237	228	225	225	225	220	223	216	216	212	217	237
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

Instrument: NRG Vane Serial Number: 0 Calibration Factor: 0.1408 deg/mV Calibration Date: 06/1995

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

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

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

January 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	2.1	2.1	2.3	2.3	3.6	4.7	3.9	4.2	4	7.3	7.6	7.6	6	6	5.6	4.6	4.4	3.5	3.3	3.8	4.4	4.9	5	5.8	4.5
2	5.8	5.6	4.8	4.2	2.3	1.1	0.9	4.4	4.8	4.4	4.2	3.6	4.6	4.4	4.6	4.1	4	3.6	4.1	3.2	3.5	3.1	3.8	2.9	3.8
3	2.9	2.1	2	2.9	1.3	1.8	2.2	1.6	1.4	2.5	2.1	2.6	1.3	0.9	2.1	3.7	4.4	4.4	5.5	4.6	6.3	7.9	7.2	5.8	3.3
4	5.7	4.4	4.1	4	4.3	3	2.7	2.5	3.7	4.3	5	4.9	4.5	5.1	5.1	4.9	3.2	1.3	0.9	1.4	0.7	0.3	0.5	1.1	3.2
5	0.8	0.6	1.2	1.2	0.5	0.1	0.6	0.5	0.5	1.8	3.5	4.1	3.3	3.4	4.8	3.6	2.1	0.7	0.1	0.1	0.9	1	0.9	0.8	1.5
6	1.5	1.1	0.6	0.3	0.5	0.8	0.9	0.8	1	1	1.5	3.4	4	4.2	4.2	3.8	2.9	1.4	2.8	5.7	6.6	7.3	7.3	5.2	2.9
7	4.7	6.4	8.2	6.9	5.6	5.7	6.2	4.8	5.2	7.4	8.4	7.8	7.5	7.7	7.7	7.6	5	3.8	3.6	4.3	6.3	7.5	6.9	7.9	6.4
8	10.1	9.6	8.3	7.8	8.2	8.3	9.9	9	8.4	10.7	10.8	9.9	9.4	7.9	7.8	6	4.2	4.4	2.8	4.2	6.3	5.8	6.3	7.1	7.6
9	7.7	8.5	8.2	8.4	8.9	9.2	8.4	8.4	7.7	7.1	7.6	8.5	8.4	7.3	6.9	7	4.5	2.4	2.7	2.8	3.3	3.3	3.9	4.6	6.5
10	5.7	5.7	4.4	3.5	3	3.2	3	3.2	2.8	2.2	3.7	6	6.7	5.4	5.8	6.8	4.5	4.3	3.5	2.6	2.3	2.8	3	3.2	4.1
11	2.6	2.7	4.2	3	2.7	2.4	2.4	2.1	2	4	3.4	4.3	4.6	4.4	5.2	5	4.5	2	1.7	1.9	1.5	1.2	0.6	1.4	2.9
12	1.7	2.1	4.7	4.9	5.9	4.1	2.5	2.2	2.7	4.5	5.3	4.8	4.5	4.5	4.1	3.3	2.2	1.1	0.7	0.5	0.2	0.2	0.5	0.7	2.8
13	0.7	0.8	1.1	1.6	1.6	1.3	2.2	2.5	3.5	5.3	5.5	6.4	6.6	6.1	6.1	5.7	3.2	1.8	4.3	4.7	3.9	2.9	3	3.3	3.5
14	4	3.4	3.2	3.9	3.1	3.4	3.2	3	3.9	5.8	4.8	3.8	3.2	2.8	3.1	3.5	2.7	2.7	2.7	2.1	2.2	1.7	1.8	2	3.2
15	0.5	0.8	1.9	2.8	4.7	6.5	7	5.7	5.2	6	6.7	6.4	6.4	5.8	6.6	6.3	5.8	4.5	3.1	1.8	1.6	1.3	1.7	1.8	4.2
16	2.9	3.6	2.3	1.7	1.7	2.1	2.2	3	3.9	4.7	3.2	2.9	3.1	4.4	4.1	4.5	4.7	4.1	4.4	5.3	4.8	3.8	4.2	6.3	3.7
17	4.8	4.2	4.1	4.4	3	3.4	4.7	5.8	5.5	6.4	7.3	7.3	7.5	6.4	7.4	6.6	5.7	3.2	2.5	1.8	1.1	1.1	1.8	3.1	4.5
18	3.7	4.2	4.9	3.3	3.3	4.2	4	4.7	4.8	5.9	5.5	4.4	3.4	2.8	3.7	2.5	3	1.5	1.1	1	0.9	0.9	0.3	0.3	3.1
19	1	1.7	1.8	2.2	2.4	4.6	5.3	5.3	6.2	7.8	10.3	9	9.7	9.3	8.1	8.7	6.7	3.7	3.3	2.7	3.2	4.7	4.8	6	5.3
20	5.7	6.6	8.6	8.9	8.7	8.4	6.9	7.1	8.4	9.2	9.7	9.7	11.3	12	11.7	9.1	7.4	4.6	3.1	5.2	4.4	3.6	2.3	2.8	7.3
21	3.1	3.9	4.7	4.6	4.2	4.1	3.9	3.2	4.1	5.2	5.7	6.4	5.9	5.8	5.9	6.6	6	5.2	4.6	5	4.4	3.7	2.4	2.4	4.6
22	2.3	2.2	1.6	1.3	1.1	1.8	2	2.5	3.7	4.6	5.3	4.2	3.6	3.1	3	2.3	1.9	2.4	2.8	2	2.2	2.5	2.9	3.4	2.7
23	6	5.7	5.8	5.8	5.8	5.5	6.6	6	4.9	6.5	7.7	8.4	9.7	9.9	9.2	9.3	9	6.5	4	4.3	6.2	6.8	7.5	6.3	6.8
24	5.8	6	6.7	6.1	5.4	5	4.8	4.2	4.3	7.4	9.2	8.7	7.6	6.7	5.6	5.1	3.3	2.2	1.7	1.8	1.5	1.8	2.1	2.2	4.8
25	1.8	1	1	1.8	2.2	0.8	2	1.6	1.5	2.7	4.2	6.3	5.8	5.1	5.3	4.1	2.9	1.5	1.3	1.5	2.1	2	2.2	1.7	2.6
26	2	1.8	1.7	1.2	1.3	1.3	1.7	1.8	1.7	2	2.8	3.4	3.3	2.8	3	3.7	3.4	2.7	2.6	2.8	2.6	1.8	2.5	5	2.5
27	5.4	6.8	6.5	7.4	7.5	8.8	9.1	9	9.4	10	8.7	8.8	9.1	7.7	6.7	6.4	4.6	3.4	2.7	2.3	1.9	1.6	0.7	0.4	6
28	0.4	0.5	0.6	0.6	0.7	1.1	1.1	0.8	1.5	3.1	4	4.5	5.5	5.2	5.7	7.4	5.9	4.2	2.6	2.7	2.4	3.2	3.5	3	2.9
29	3	3.3	2.5	2.8	3.6	4.1	4.2	4.3	4.2	4.1	5.3	6.5	5.1	3.7	1.4	0.6	1	0.8	1.9	2.5	2.5	2.4	2.3	2.8	3.1
30	5.3	5.2	4.2	4.5	4.8	4.6	4.3	3.4	3.9	4.3	3.4	2.7	3.9	3.1	3.5	3.4	4.4	5	4.4	5.1	4.2	3.9	4.8	4.2	4.2
31	4.3	4	3.9	4.6	5.1	5	3.9	3.6	3.8	4.1	4.6	4.6	3.9	3.3	2.4	2.7	1.8	1.9	1.9	2.4	2.4	1.9	1	1.2	3.3
Avg	3.7	3.8	3.9	3.8	3.8	3.9	4	3.9	4.1	5.2	5.7	5.9	5.8	5.4	5.4	5.1	4.2	3.1	2.8	3	3.1	3.1	3.2	3.4	4.1
SD	2.3	2.4	2.4	2.3	2.4	2.5	2.5	2.3	2.2	2.4	2.5	2.2	2.4	2.4	2.2	2.1	1.7	1.5	1.3	1.5	1.9	2.1	2.2	2.1	1.6
S/A	0.63	0.64	0.62	0.61	0.63	0.64	0.62	0.59	0.53	0.46	0.43	0.38	0.42	0.44	0.41	0.41	0.42	0.48	0.45	0.51	0.6	0.68	0.69	0.63	0.38
Min	0.4	0.5	0.6	0.3	0.5	0.1	0.6	0.5	0.5	1	1.5	2.6	1.3	0.9	1.4	0.6	1	0.7	0.1	0.1	0.2	0.2	0.3	0.3	1.5
Max	10.1	9.6	8.6	8.9	8.9	9.2	9.9	9	9.4	10.7	10.8	9.9	11.3	12	11.7	9.3	9	6.5	5.5	5.7	6.6	7.9	7.5	7.9	7.6
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

January 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	1014	1013	1013	1012	1011	1010	1010	1009	1009	1007	1006	1005	1003	1000	1000	1000	1000	1000	1001	1001	1002	1002	1002	1003	1006
2	1003	1004	1005	1005	1006	1007	1008	1010	1011	1012	1013	1012	1012	1012	1012	1013	1013	1013	1013	1013	1013	1012	1012	1011	1010
3	1011	1010	1010	1009	1009	1009	1008	1008	1007	1007	1006	1004	1003	1002	1002	1002	1002	1003	1003	1004	1004	1004	1005	1006	1006
4	1006	1007	1007	1007	1008	1009	1009	1011	1012	1012	1013	1013	1012	1012	1013	1013	1014	1015	1015	1016	1017	1017	1017	1017	1012
5	1017	1017	1018	1017	1017	1018	1018	1018	1018	1019	1018	1017	1017	1016	1015	1015	1014	1015	1015	1015	1015	1014	1014	1014	1016
6	1014	1013	1013	1013	1012	1012	1012	1012	1012	1012	1012	1011	1010	1009	1008	1008	1008	1009	1009	1010	1011	1011	1012	1012	1011
7	1012	1012	1013	1014	1015	1016	1016	1017	1018	1018	1018	1017	1015	1015	1014	1014	1013	1013	1013	1012	1011	1009	1008	1006	1014
8	1004	1003	1002	1001	1000	999	998	999	999	999	999	999	998	998	998	998	999	999	999	999	999	998	996	995	999
9	994	993	993	992	992	992	993	994	996	998	998	998	997	997	997	997	997	997	998	997	998	997	996	996	996
10	996	996	997	997	997	998	999	1000	1002	1002	1003	1003	1002	1002	1002	1003	1004	1005	1006	1007	1007	1008	1009	1002	1002
11	1009	1010	1011	1012	1012	1013	1014	1015	1016	1017	1017	1017	1016	1015	1015	1015	1016	1016	1017	1017	1017	1018	1018	1018	1015
12	1018	1019	1020	1020	1021	1022	1023	1024	1025	1026	1026	1026	1025	1024	1024	1024	1024	1025	1025	1026	1025	1025	1025	1025	1024
13	1024	1024	1023	1023	1022	1022	1021	1021	1021	1021	1020	1019	1017	1016	1015	1014	1014	1014	1014	1015	1015	1015	1015	1015	1018
14	1015	1015	1016	1016	1017	1017	1018	1019	1019	1019	1020	1019	1018	1017	1017	1016	1017	1017	1017	1017	1017	1017	1016	1016	1017
15	1016	1016	1016	1016	1016	1017	1018	1019	1020	1021	1021	1021	1020	1020	1020	1020	1020	1020	1021	1022	1022	1023	1023	1023	1020
16	1024	1024	1024	1024	1025	1025	1026	1026	1026	1027	1027	1026	1024	1023	1022	1021	1020	1019	1017	1015	1014	1011	1008	1009	1021
17	1007	1007	1007	1006	1006	1006	1007	1008	1009	1010	1011	1011	1011	1010	1011	1012	1012	1013	1014	1015	1016	1016	1017	1017	1011
18	1018	1018	1019	1019	1019	1019	1020	1021	1021	1022	1022	1021	1020	1019	1018	1018	1018	1017	1018	1017	1017	1016	1016	1016	1019
19	1015	1015	1014	1014	1013	1013	1014	1015	1015	1016	1016	1016	1015	1015	1015	1016	1017	1017	1018	1017	1017	1017	1016	1015	1016
20	1014	1013	1012	1011	1011	1010	1010	1010	1010	1010	1010	1009	1008	1007	1007	1007	1008	1009	1010	1011	1012	1013	1013	1010	1010
21	1014	1014	1014	1014	1013	1014	1014	1014	1014	1014	1014	1013	1012	1011	1011	1012	1013	1013	1014	1015	1015	1015	1016	1016	1014
22	1016	1016	1016	1016	1016	1016	1017	1018	1018	1018	1018	1018	1017	1016	1015	1015	1015	1015	1016	1015	1016	1016	1016	1016	1016
23	1016	1016	1015	1014	1014	1013	1013	1012	1013	1013	1012	1011	1010	1009	1009	1009	1010	1011	1012	1012	1013	1013	1014	1015	1013
24	1015	1015	1016	1016	1017	1017	1019	1020	1022	1022	1023	1023	1022	1023	1023	1023	1023	1024	1025	1026	1026	1027	1027	1027	1022
25	1026	1026	1026	1026	1026	1026	1026	1027	1027	1027	1027	1026	1025	1024	1024	1023	1023	1024	1024	1024	1024	1024	1024	1023	1025
26	1022	1022	1022	1021	1021	1021	1021	1021	1021	1020	1020	1020	1019	1017	1016	1015	1015	1014	1014	1015	1015	1015	1015	1015	1018
27	1016	1017	1018	1018	1019	1020	1022	1024	1025	1027	1027	1027	1026	1026	1027	1027	1028	1029	1029	1030	1030	1030	1029	1025	1025
28	1029	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1026	1025	1024	1023	1022	1022	1022	1023	1023	1023	1022	1022	1022	1025
29	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1019	1019	1020	1020	1021	1021	1019
30	1021	1022	1022	1022	1022	1023	1023	1024	1024	1024	1024	1023	1022	1021	1021	1021	1021	1021	1021	1020	1020	1020	1020	1019	1022
31	1019	1019	1019	1019	1018	1018	1018	1018	1019	1019	1019	1018	1017	1016	1016	1016	1015	1015	1015	1015	1015	1014	1014	1013	1017
Avg	1014	1014	1014	1014	1014	1015	1015	1015	1016	1016	1016	1016	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015
S/D	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Min	994	993	993	992	992	992	993	994	996	998	998	998	997	997	997	997	997	997	998	997	998	997	996	995	996
Max	1029	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1027	1027	1026	1026	1027	1027	1028	1029	1029	1030	1030	1030	1029	1025
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	8928

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

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

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

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

Prepared by: Afshin M. Andreas, NREL