

January 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	21	152	311	433	502	510	464	355	193	48	0	0	0	0	0	0	0	2991
2	0	0	0	0	0	0	0	12	113	280	294	300	213	142	98	78	12	0	0	0	0	0	0	0	1543
3	0	0	0	0	0	0	0	5	22	64	127	112	81	81	43	22	5	0	0	0	0	0	0	0	562
4	0	0	0	0	0	0	0	29	159	328	457	525 ?	540	475	371	205	49	0	0	0	0	0	0	0	3139
5	0	0	0	0	0	0	0	36	122	286	354	397	500	424	367	194	46	0	0	0	0	0	0	0	2726
6	0	0	0	0	0	0	0	14	68	131	89	72	51	29	26	25	29	0	0	0	0	0	0	0	533
7	0	0	0	0	0	0	0	27	83	84	116	167	340	286	102	33	16	0	0	0	0	0	0	0	1254
8	0	0	0	0	0	0	0	30	156	323	444	514	525	477	383	209	57	0	0	0	0	0	0	0	3119
9	0	0	0	0	0	0	0	38	144	309	393	505	516	424	340	207	57	2	0	0	0	0	0	0	2935
10	0	0	0	0	0	0	0	31	138	302	425	477	509	460 ?	340	181	56	3	0	0	0	0	0	0	2923
11	0	0	0	0	0	0	0	39	116	166	177	384	362	297	239	176	81	3	0	0	0	0	0	0	2040
12	0	0	0	0	0	0	0	32	164	326	441	472	499	451	286	133	34	2	0	0	0	0	0	0	2838
13	0	0	0	0	0	0	0	31	166	334	463	538	551	479	393	233	69	3	0	0	0	0	0	0	3259
14	0	0	0	0	0	0	0	34	159	343	459	430	421	217	184	86	18	1	0	0	0	0	0	0	2351
15	0	0	0	0	0	0	0	11	55	179	357	471	539	503 ?	394	179 ?	68	2	0	0	0	0	0	0	2758 ?
16	0	0	0	0	0	0	0	25	167	327	459	528	432	332	336	223	58	5	0	0	0	0	0	0	2892
17	0	0	0	0	0	0	0	15	106	240	275	367	463	341	297	213	67	5	0	0	0	0	0	0	2390
18	0	0	0	0	0	0	0	5	22	71	103	113	264	452	349	196	62	4	0	0	0	0	0	0	1641
19	0	0	0	0	0	0	0	8	18	10	12	8	12	18	13	18	5	0	0	0	0	0	0	0	122
20	0	0	0	0	0	0	0	9	41	132	190	294	417	335	188	146	66	9	0	0	0	0	0	0	1828
21	0	0	0	0	0	0	0	23	90	184	103	116	43	43	52	62	42	9	0	0	0	0	0	0	767
22	0	0	0	0	0	0	0	42	?	288 ?	482	558	576	530	422	261	66 ?	8	0	0	0	0	0	0	3234 ?
23	0	0	0	0	0	0	0	4	18	56	92	102	123	140	142	52	23	3	0	0	0	0	0	0	754
24	0	0	0	0	0	0	0	19	89	149	356	299	181	272	87	215	97	16	0	0	0	0	0	0	1780
25	0	0	0	0	0	0	0	4	15	46	113	213	327	381	289	288	49	8	0	0	0	0	0	0	1733
26	0	0	0	0	0	0	0	67	228	354	483	565	580	540	435	278	99	9	0	0	0	0	0	0	3638
27	0	0	0	0	0	0	0	39	93 ?	386 ?	486	568	587	540	432	277	98	10	0	0	0	0	0	0	3515 ?
28	0	0	0	0	0	0	0	31	103	122	203	321	374	513	404	236	90	9	0	0	0	0	0	0	2406
29	0	0	0	0	0	0	0	29	159 ?	344	465	541	561	531	362	218	84	11	0	0	0	0	0	0	3305
30	0	0	0	0	0	0	0	52	179	310	311	426	544	514	405	288	109	15	0	0	0	0	0	0	3151
31	0	0	0	0	0	0	0	33	67	115	177	224	307	364	403	252	81	12	0	0	0	0	0	0	2036
Avg	0	0	0	0	0	0	0	26	107	223	301	358	385	357	275	173	56	5	0	0	0	0	0	0	2263
S D	0	0	0	0	0	0	0	15	57	114	155	174	181	165	139	85	29	5	0	0	0	0	0	0	985
S/A	0	0	0	0	0	0	0	0.58	0.54	0.51	0.51	0.48	0.47	0.46	0.5	0.49	0.51	1	0	0	0	0	0	0	0.44
Min	0	0	0	0	0	0	0	4	15	10	12	8	12	18	13	18	5	0	0	0	0	0	0	0	122
Max	0	0	0	0	0	0	0	67	228	386	486	568	587	540	435	288	109	16	0	0	0	0	0	0	3638
n	0	0	0	0	0	0	0	293	345	360	371	365	370	359	371	365	367	70	0	0	0	0	0	0	3637

Daylight Data Recovery: 0.0% missing; 2.0% exceed the 15% QC threshold -- 3710 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.

January 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
2	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
3	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
4	0	0	0	0	0	0	0	?	?	?	?	803 ?	934 ?	?	?	?	?	0	0	0	0	0	0	0	?
5	0	0	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
6	0	0	0	0	0	0	0	?	?	?	?	?	*	*	*	*	*	0	0	0	0	0	0	0	?
7	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
8	0	0	0	0	0	0	0	*	*	?	?	*	*	*	*	*	*	*	0	0	0	0	0	0	*
9	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
10	0	0	0	0	0	0	0	*	*	*	*	?	?	?	?	?	?	?	0	0	0	0	0	0	?
11	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	?	*	*	0	0	0	0	0	*
12	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
13	0	0	0	0	0	0	0	*	692 ?	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
14	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
15	0	0	0	0	0	0	0	*	*	*	*	*	*	?	851 ?	?	343 ?	?	0	0	0	0	0	0	*
16	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*
17	0	0	0	0	0	0	0	*	*	*	*	*	*	*	?	*	*	*	0	0	0	0	0	0	*
18	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	262	55	0	0	0	0	0	0	318 *
19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	1	2	14	255	272	2	53	59	2	0	0	0	0	0	0	662
21	0	0	0	0	0	0	0	18	38	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
22	0	0	0	0	0	0	0	379	795	1005 ?	1032	1058	1066	1054	1023 ?	881 ?	602 ?	209	0	0	0	0	0	0	9103 ?
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	1	2	143	85	18	132	0	548	420	60	0	0	0	0	0	0	1409
25	0	0	0	0	0	0	0	0	0	0	0	1	106	206	441	784	92	0	0	0	0	0	0	0	1631
26	0	0	0	0	0	0	0	344	777	942 ?	1012	1041	1043	1038	1012	881 ?	676	253	0	0	0	0	0	0	9018
27	0	0	0	0	0	0	0	173	590 ?	959 ?	997	1029	1032	1016	975	876	629	202	0	0	0	0	0	0	8477 ?
28	0	0	0	0	0	0	0	25	10	1	12	88	192	830	654	326	350	84	0	0	0	0	0	0	2572
29	0	0	0	0	0	0	0	124	618 ?	794	846	866	881	787	293	174	185	7	0	0	0	0	0	0	5575
30	0	0	0	0	0	0	0	131	272	356	284	424	665	732	673	640	449	108	0	0	0	0	0	0	4736
31	0	0	0	0	0	0	0	31	10	0	1	2	25	97	566	397	268	100	0	0	0	0	0	0	1498
Avg	0	0	0	0	0	0	0	94	272	318	333	387	444	474	464	428	289	51	0	0	0	0	0	0	3448 *?
S/D	0	0	0	0	0	0	0	133	338	434	453	461	459	436	413	361	234	80	0	0	0	0	0	0	3524
S/A	0	0	0	0	0	0	0	1.41	1.25	1.36	1.36	1.19	1.03	0.92	0.89	0.84	0.81	1.56	0	0	0	0	0	0	1.02
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	1
Max	0	0	0	0	0	0	0	379	795	1005	1032	1058	1066	1054	1023	881	676	253	0	0	0	0	0	0	9103
n	0	0	0	0	0	0	0	131	142	135	156	159	161	156	155	147	169	55	0	0	0	0	0	0	1532

Daylight Data Recovery: 43.5% missing; 14.3% exceed the 15% QC threshold -- 3710 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

January 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	12	41	57	63	77	63	52	43	33	15	0	0	0	0	0	0	0	456
2	0	0	0	0	0	0	0	11	86	118	199	224	200	137	95	75	12	0	0	0	0	0	0	0	1155
3	0	0	0	0	0	0	0	5	21	62	123	109	78	79	42	22	5	0	0	0	0	0	0	0	545
4	0	0	0	0	0	0	0	15	43	59	64	65 ?	61	54	48	35	14	0	0	0	0	0	0	0	457
5	0	0	0	0	0	0	0	30	84	81	239	309	260	142	65	38	27	0	0	0	0	0	0	0	1274
6	0	0	0	0	0	0	0	14	65	125	87	69	49	28	25	24	27	0	0	0	0	0	0	0	514
7	0	0	0	0	0	0	0	20	69	81	113	159	294	183 *	97	32	15	0	0	0	0	0	0	0	1062
8	0	0	0	0	0	0	0	13	34	45	50	50	50	50	58	83	20	0	0	0	0	0	0	0	451
9	0	0	0	0	0	0	0	24	89	128	193	124	100	152	74	39	20	2	0	0	0	0	0	0	944
10	0	0	0	0	0	0	0	22	64	82	93	83	60	67 ?	67	58	41	3	0	0	0	0	0	0	641
11	0	0	0	0	0	0	0	29	100	147	161	272	231	216	187	119	47	3	0	0	0	0	0	0	1512
12	0	0	0	0	0	0	0	12	30	36	42	112	145	151	152	112	32	2	0	0	0	0	0	0	826
13	0	0	0	0	0	0	0	20 ?	35	46	51	52	50	63	45	37	18	3	0	0	0	0	0	0	421
14	0	0	0	0	0	0	0	13	42	52	151	197	245	201	174	81	17	1	0	0	0	0	0	0	1174
15	0	0	0	0	0	0	0	9	39	98	106	86	59	58 ?	49	31 ?	16	1	0	0	0	0	0	0	554 ?
16	0	0	0	0	0	0	0	11	33	43	48	57	199	227	109	44	26	5	0	0	0	0	0	0	801
17	0	0	0	0	0	0	0	14	97	200	251	273	209	204	205	133	50	4	0	0	0	0	0	0	1641
18	0	0	0	0	0	0	0	5	21	68	98	107	230	132	90	64	32	3	0	0	0	0	0	0	850
19	0	0	0	0	0	0	0	8	17	10	11	7	11	18	13	17	4	0	0	0	0	0	0	0	117
20	0	0	0	0	0	0	0	9	39	124	179	273	272	194	175	128	57	9	0	0	0	0	0	0	1460
21	0	0	0	0	0	0	0	24	81	155	99	111	41	42	50	60	40	9	0	0	0	0	0	0	711
22	0	0	0	0	0	0	0	11	29	36	39	40	39	40	37	28	17	5	0	0	0	0	0	0	321
23	0	0	0	0	0	0	0	3	17	54	89	99	118	134	135	50	22	3	0	0	0	0	0	0	722
24	0	0	0	0	0	0	0	18	84	142	274	244	166	195	84	74	46	14	0	0	0	0	0	0	1342
25	0	0	0	0	0	0	0	4	15	45	110	202	263	275	112	76	31	7	0	0	0	0	0	0	1140
26	0	0	0	0	0	0	0	17	37	40	41	43	42	43	40	34	20	4	0	0	0	0	0	0	360
27	0	0	0	0	0	0	0	18	41	46	45	48	51	51	46	38	23	6	0	0	0	0	0	0	413
28	0	0	0	0	0	0	0	29	96	116	190	263	250	101	124	141	46	7	0	0	0	0	0	0	1363
29	0	0	0	0	0	0	0	21	52 ?	68	80	94	93	141	235	162	55	10	0	0	0	0	0	0	1012
30	0	0	0	0	0	0	0	45	120	179	159	182	177	144	109	83	42	11	0	0	0	0	0	0	1251
31	0	0	0	0	0	0	0	31	63	110	169	213	280	304	138	114	44	9	0	0	0	0	0	0	1476
Avg	0	0	0	0	0	0	0	17	54	86	117	137	142	125	94	67	28	4	0	0	0	0	0	0	870
S D	0	0	0	0	0	0	0	9	29	47	69	87	92	77	58	40	15	4	0	0	0	0	0	0	420
S/A	0	0	0	0	0	0	0	0.57	0.54	0.55	0.6	0.63	0.65	0.62	0.61	0.6	0.52	1.02	0	0	0	0	0	0	0.48
Min	0	0	0	0	0	0	0	3	15	10	11	7	11	18	13	17	4	0	0	0	0	0	0	0	117
Max	0	0	0	0	0	0	0	45	120	200	274	309	294	304	235	162	57	14	0	0	0	0	0	0	1641
n	0	0	0	0	0	0	0	285	365	371	372	365	370	356	371	365	370	70	0	0	0	0	0	0	3660

Daylight Data Recovery: 0.1% missing; 1.3% exceed the 15% QC threshold -- 3710 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.

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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	3.7	3.7	3.6	3.3	3	3	1.7	-0.1	-0.2	0.7	1.4	2.1	3	3.3	3.3	3.1	2.4	1.1	0.2	-0.5	-0.9	-1.6	-2	-2.1	1.5	
2	-2.4	-2.2	-3.3	-4.1	-4.1	-3.8	-3	-2.6	-1.9	-0.1	1	2.1	2.4	2.6	2.6	2.4	2.1	1.6	1.1	0.9	-0.7	-1.4	-1.5	-0.5	-0.5	
3	-1.7	-1.7	-1.5	-1.3	-1.2	-1.1	-0.9	-0.6	-0.2	-0.1	0.2	0.2	0.4	0.5	0.5	0.2	0.1	-0.3	-0.4	-0.7	-1.3	-1	-0.6	-0.1	-0.5	
4	0.3	0.5	0.2	-0.1	-0.5	-1.4	-2.1	-2.4	-1.8	-0.7	0.3	1	1.7	2.6	2.8	3.3	2.7	1.4	0.4	-0.1	-0.5	-1	-1.6	-1.7	0.1	
5	-1.8	-1.7	-1.7	-2	-2.3	-2.3	-2.1	-2.2	-1.7	-0.4	1	2.3	4.2	6.1	7.3	7.1	5.4	4	3.4	3	2.8	2.7	2.3	2	1.5	
6	1.5	0.7	0.4	1	1.3	1.4	1.4	2.2	2.7	3.4	5.4	7.1	9.5	11.8	12.9	11.4	11.1	11.5	11	10.4	8.8	7.5	6.4	5	6.1	
7	3.5	3.1	3	3	2.4	1.7	1.3	1.3	2	2.5	3.1	3.7	5	5.4	4.7	4	3.5	3.3	3	2.4	1.7	1.2	1.5	1.6	2.8	
8	1.7	1.8	1.3	0.1	-0.9	-1.6	-2	-2.1	-0.8	0.7	2.3	3.4	3.9	4.2	4.9	5	4.6	3.1	2.3	1.7	1	0.2	0.1	0.4	1.5	
9	0.4	0.3	0.2	0	0.1	-0.2	0	0.7	2.3	3.9	5.9	8.8	11.1	12	12.5	13.4	13.1	11.6	10.7	10.7	10.4	10.2	10	9.8	6.6	
10	9.8	10.1	9	8.4	7.6	7.2	7	6.9	8	9.8	12.2	14.9	16.7	17.7	18	18	17.1	15.8	14.6	14.3	13.9	13.6	13.2	12.7	12.3	
11	11.4	10	9.4	9.3	9.3	9.4	8.9	9.2	11	13.6	14.6	14.7	15.1	14.9	14.9	14.7	13.7	11.8	10.3	9.1	8.1	7.2	6.2	5	10.9	
12	4.1	3.6	2.5	1.7	1.1	0.5	0.3	0.1	1.5	4.7	8.2	8.6	9.6	10.1	10.3	10.2	9.5	8.5	7.9	7.8	7.6	7.1	5.7	5.3	5.7	
13	5.1	5.2	5.4	5	4.9	5.2	5.2	5.3	5.9	7.2	8.1	8.7	9.3	10	10.5	10.5	10.3	8.9	8.1	7.5	6.7	6.1	5.9	5.6	7.1	
14	5	4.4	3.7	2.8	1.7	1.2	0.8	1.9	3.5	6.4	9.5	11.1	12.2	12.4	12.6	12.8	12.6	12.3	10.9	10.2	10.5	9.9	9.9	10.2	7.9	
15	10.1	10	9.8	9.4	8.9	8.1	7.4	6.8	6.3	6.9	8.7	11.5	14.3	15.7	15.8	15.8	15.3	13.2	12.1	10.4	9.2	8.4	7.6	6.7	10.4	
16	6.2	6.1	5.2	4.2	3	1.9	1.8	0.8	2	5.6	6.5	7.4	8.3	8.3	8.5	8.3	7	5.6	4.7	4.4	4.6	4.7	4.7	4.3	5.2	
17	4.1	4	4	4.1	4	4.2	4.4	5.2	6.4	7.9	9.6	11.2	12.7	13.6	14.2	14.5	14.1	12.8	11.9	11.6	10.6	10.3	10.4	10.1	9	
18	9.7	9.4	9.5	9.1	8.3	8.1	7.5	7.3	7.2	7.1	7.2	6.6	7	9	10.4	11	10.4	8.9	7	5.6	5	4.6	4.3	4.1	7.7	
19	3.4	3.1	2.8	3.1	3.1	3.5	3.9	4.4	6.4	7.4	8.6	8.9	8.7	8.5	8.3	7.7	7.2	6.6	6.7	6.9	7.2	6.9	6.1	5.7	6	
20	5.8	5.1	3.4	3	2.6	2.6	2.8	2.9	2.7	2.7	3.3	3.9	4.7	5.7	5.6	5.5	4.9	4.1	3.6	3.4	3.2	3.1	3	3	3.8	
21	3.2	3.1	2.7	3.1	2.5	2.9	2.7	2.9	4.2	6.5	8	8.5	8.4	7.6	7.8	8.4	8.8	8.8	8.8	8.8	8.8	8.2	7.7	7.1	6.9	6.2
22	6.6	5.9	5.2	4.9	4.3	3.9	4.1	4	4.9	7.7	10.6	12	12.9	13.3	13.5	13.6	13	10.1	8.6	7.7	7	6.7	5.7	5.8	8	
23	5.7	5.8	5.6	6	6.3	6.3	7	7.9	8.4	9.8	11.3	12.5	12.9	13.3	13.8	14.1	14.5	15.1	15	14.9	14.6	14.4	14	13.4	10.9	
24	13.2	13.3	13.4	13	13	13.2	13.6	14.5	14.9	15.7	17.5	19.5	20	21	20.4	20.5	20.2	19.3	18.5	17.7	17.2	17.3	17.3	17	16.7	
25	15.6	15	14.2	13.9	13.7	13.7	11.2	7.2	7.3	7.5	7.9	8.6	9.3	9.7	9.4	10.2	9.2	7.7	6.5	5.8	4.7	3.2	3.5	2.8	9.1	
26	2	2.4	2.1	1.7	0.7	0.7	0.1	0.6	3.1	7	11.1	12.7	13.9	14.3	14.9	15.1	14.8	12.8	10.3	8.6	8	7.7	7.6	6.8	7.5	
27	6.3	6.3	5.7	6	5.7	4.6	4.6	5.1	7.1	10.3	13.5	15.5	16.9	17.7	18.1	18.5	18.3	15.9	13.7	12.5	12.3	12	11.5	10.9	11.2	
28	10.6	10	9.6	9.2	8.9	8.5	8.6	9.4	11.2	13.4	15.4	16	17.1	19.5	21	20.9	20.8	19.5	16.8	15.2	15.2	14.8	15	14.2	14.2	
29	13.3	12.5	11.9	11.8	11.6	11.5	11	11	12.4	14.7	17.1	19.3	21.3	22.8	23.3	23.3	22.9	21.5	19.8	19.1	18.2	17.2	16.5	16.3	16.7	
30	15.9	15.8	15.7	16.2	16.1	16	16	15.9	17.3	19.4	21	22.1	23.6	24.4	25.1	25.6	25.2	23.5	22.2	21.1	19.4	18.6	18.2	18	19.7	
31	17.7	17.1	16.8	16.5	15.9	15.4	15	15.2	15.9	16.6	17.6	19.3	20.8	22.3	23.1	23.9	23.8	22.3	20.2	19.5	19.3	18.7	18	17.6	18.7	
Avg	6.1	5.9	5.5	5.2	4.9	4.7	4.5	4.5	5.4	7	8.6	9.8	10.9	11.6	12	12	11.6	10.4	9.3	8.7	8.2	7.7	7.3	7	7.9	
S D	5.4	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.3	5.6	6	6.2	6.4	6.6	6.7	6.8	6.6	6.2	6.1	6	6	6	5.9	5.5	5.5	
S/A	0.88	0.89	0.96	1.01	1.09	1.14	1.16	1.15	0.96	0.76	0.65	0.61	0.57	0.55	0.55	0.56	0.59	0.63	0.67	0.7	0.73	0.78	0.82	0.84	0.7	
Min	-2.4	-2.2	-3.3	-4.1	-4.1	-3.8	-3	-2.6	-1.9	-0.7	0.2	0.2	0.4	0.5	0.5	0.2	0.1	-0.3	-0.4	-0.7	-1.3	-1.6	-2	-2.1	-0.5	
Max	17.7	17.1	16.8	16.5	16.1	16	16	15.9	17.3	19.4	21	22.1	23.6	24.4	25.1	25.6	25.2	23.5	22.2	21.1	19.4	18.7	18.2	18	19.7	
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

January 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	60.9	61.8	60.8	63.5	64	60.1	66.5	62	69	71.8	68.2	58.6	46.8	39.6	35.9	34.4	38.1	45.3	48.2	48	47.3	50.6	52	53.9	54.5
2	56.7	56.6	63.1	68.7	71	73.4	74.6	75.6	75.2	71	67.9	66.1	63.6	62.6	63.2	65	68.1	72.3	74.9	76.1	71.8	89.9	?	?	69.4
3	?	?	?	?	?	?	?	?	?	?	?	?	?	99.5 ?	99	99.3	99.7 ?	?	?	?	?	?	99.3 ?	93.8	98.4 ?
4	85	78.4	75.5	75.1	74	76.3	78.4	79.2	75.9	71.3	68.3	65.8	61.3	57.7	56	52.6	56.8	61.5	68.2	69.8	72.2	75.3	78.6	82.2	70.6
5	85.2	88	86.6	87.8	86	83.7	83.7	84.8	82.8	76.8	72.2	67.2	59.1	53.1	54.1	58.6	69.4	75.7	77.4	76.5	74.9	75.9	79.9	82.3	75.9
6	85.8	90.3	93.3	88.6	85.8	86	90	95.1	91	85.9	83.3	87.2	95.7 ?	?	?	?	?	?	99.5	97.5	97.2	96.7	95.9	97.5	91.7 ?
7	98.8	98.5	98.1	98.1	99 ?	?	?	?	97.9	94.9	90.5	85.9	78.7	74.7	78.6	84.1	87.6	89.6	90.8	92.7	96	97.1	94.7	92.8	91.4 ?
8	86.4	81.1	81.1	85.9	90	93.8	93.2	93.2	86.3	77.6	66.4	56.4	54.5	53.3	51.6	50.7	52.4	58.2	59.3	61.1	63.9	69.2	71.9	75	71.4
9	80	78.5	75.8	76.8	80.3	79	78.1	75.3	70.1	66.5	56.7	46.4	41.8	42	42.9	41.8	44.3	51.1	55.4	55.5	56.3	57.6	59.4	61	61.4
10	62.4	62.5	67.7	70.3	73.4	75.6	76.8	77.7	74.4	68.8	62.2	56.7	53.3	50.2	50.2	51.4	55.8	60.9	64.7	66.1	67.6	69.4	70.6	72.7	65.1
11	77.6	83.3	87.8	90.9	93	94.3	96.2	95.4	90.1	82.2	77.6	75.6	64.2	60.2	60.7	59.5	50.2	49.1	53	57.3	59.9	61	63	67	72.9
12	70.1	71.8	76.5	79.8	81.8	84.4	85.2	85.9	80.1	69.4	54.6	50.9	48	45.5	47.1	49.2	53.6	58.7	62.6	64.9	65.6	76.5	96.6 ?	?	67.8
13	?	?	?	?	?	?	97 ?	88.9	82	65.8	50.8	44.9	40.8	38	37.2	37.2	38.1	42.6	46	47.7	50.1	52.8	54.4	54.8	53.8 ?
14	56.4	58.7	62.2	66.7	73.2	76.9	81.6	88.3	82.3	67.5	48.6	40.8	39	42	48	56.6	60	63	76.5	89	93.7	98.5 ?	?	?	66.8 ?
15	?	?	?	?	?	?	?	?	?	97.2	90	81	66.5	53.5	46.6	44.7	46.4	49	45.6	49.1	51.8	54.8	57.6	60.2	59.6 ?
16	60	56.5	59.8	64.5	71.3	76	80.4	83.3	75.3	61.4	57.5	54	50.2	52	50.6	57.2	63.8	70.7	77.7	79.8	79.5	81.6	81.2	85.5	67.9
17	88	89.3	92.7	93.6	95.7	95.6	94.9	88.3	82.2	77.4	67.3	56.8	51.4	46.4	45.2	46	47.8	54.4	59.2	60.1	65.2	66.6	67.4	70.3	70.9
18	74.5	77	76.8	78.9	82.1	81.5	83.3	81.9	83.5	83.4	85.3	91.9	88.2	78.1	65.4	59.9	61.2	68.4	83.1	94.8	96.1	98.2	99.9 ?	99.7	82.2
19	98.9 ?	98.8 ?	93.9	87.2	85.4	80.8	79.7	79.3	72.3	74.2	82.6	91	97.9 ?	?	?	?	?	?	?	?	?	?	?	?	86.3 ?
20	?	?	?	?	97.7	92.8	90.4	89.6	89.7	89.5	84.6	81.5	77.8	73.6	75	74.7	77.2	81.6	85.5	86.2	89	90.2	92.9	94.6	85.7 ?
21	95.3	96.3	97.2	97.2	99.3 ?	97.4	98	98.9	97.6	96.8	94.7	92.7	95.1 ?	?	?	?	?	?	?	?	?	?	?	?	96.6 ?
22	?	?	?	98.3 ?	96.7	90.3	82	81.4	77.9	64.7	50.5	42.1	33.7	33	32.9	33.2	35.7	51	56.3	58.5	61.1	59.9	65.3	70.2	60.7 ?
23	73	74.3	81	79.4	79.8	89.1	88.5	93.2	99.1 ?	?	?	99.9 ?	?	?	?	?	?	?	?	?	?	?	?	?	85.7 ?
24	?	?	?	?	?	?	?	?	?	?	98.6 ?	94.2	90.9	82.9	81.2	78.9	79	80.9	85.2	88.2	90.2	90.4	90.8	93.3	87.5 ?
25	98.9	98.4 ?	?	?	?	?	?	99 ?	94.3	87	79.3	68.8	53.5	43.3	45.6	41.4	41.7	48	52.7	56.9	65.4	77.3	77.2	80.2	68.9 ?
26	83.9	84.6	87.2	89.5	96.2	97.9	?	98.1 ?	90.3	75.5	46.6	35.1	40	46.5	49.7	51.1	54.5	63.4	75.7	80.8	83.4	88	91.6	96.6	74.2
27	99.4 ?	99.7 ?	?	?	?	?	?	?	96.6 ?	88	78.1	70.7	68.3	67.3	66	65.7	67.1	75.3	81	85.9	80.8	78.8	85.2	90.3	80.2 ?
28	92.5	95.4	97	99.2	99.7 ?	?	?	?	?	98.8	95.9	91.5	87.4	81.6	79.9	80.7	81	86.3	94.9	97.9	99.3 ?	?	?	?	91.7 ?
29	?	?	?	?	?	?	?	99.3 ?	94.5	84.3	74.6	67.4	60.4	57.4	57.5	57.4	59.9	66.3	73.5	75.4	79	83.5	88.4	91.5	74.7 ?
30	95.4	96.2	96.4	94.9	95.5	95.8	95.6	95.9	91.6	83.9	77.7	74.6	69.4	63.1	57.6	56.4	58.7	65.8	70.7	75.7	88	94.9	97.7	98	82.9
31	99	?	?	?	?	?	?	?	?	?	?	97.2	92.1	86.2	82.5	78.6	78.9	83.7	90.5	94.8	96.5	98	99.6 ?	?	90.6 ?
Avg	81.8	81.6	81.4	83.4	85.7	84.8	85.4	87.1	84.7	78.9	72.5	69.8	64.5	58.6	57.8	58	60.3	64.3	70.7	73.6	75.6	78.2	80.4	81	76 ?
S D	14.6	14.6	13.1	11.7	10.9	9.9	8.6	9.4	9.2	10.9	15.2	18.9	19.5	16.9	16.2	16.3	16.1	13.5	15.5	16.2	16	15.6	15.7	14.8	12.4
S/A	0.18	0.18	0.16	0.14	0.13	0.12	0.1	0.11	0.11	0.14	0.21	0.27	0.3	0.29	0.28	0.28	0.27	0.21	0.22	0.22	0.21	0.2	0.2	0.18	0.16
Min	56.4	56.5	59.8	63.5	64	60.1	66.5	62	69	61.4	46.6	35.1	33.7	33	32.9	33.2	35.7	42.6	45.6	47.7	47.3	50.6	52	53.9	53.8
Max	99.4	99.7	98.1	99.2	99.7	97.9	98	99.3	99.1	98.8	98.6	99.9	97.9	99.5	99	99.3	99.7	89.6	99.5	97.9	99.3	98.5	99.9	99.7	98.4
n	280	262	252	260	258	252	248	262	294	322	331	350	334	315	324	324	317	312	323	324	315	302	270	275	7109

Data Recovery: 0.0% missing; 20.4% 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	3.5	3.2	3.2	3	2.8	2.6	1.9	0	0.5	2.2	4.1	5.1	6.2	6.3	5.9	5.3	3.8	0.8	-1.1	-2.3	-2.8	-3.5	-4.2	-4.4	1.8
2	-4.7	-4.5	-4.9	-6.2	-6.1	-5.9	-5.1	-4.3	-3.5	-0.3	1.9	3.1	3.5	3.2	3.1	3	2.5	1.8	1.2	1	0.8	0.1	-0.9	-1.1	-0.9
3	-1.4	-1.4	-1.4	-1.2	-1.1	-0.9	-0.8	-0.6	-0.2	0	0.3	0.6	0.5	0.4	0.3	0.1	-0.1	-0.3	-0.3	-0.4	-0.8	-1	-0.9	-0.8	-0.5
4	-0.5	-0.2	-0.1	-0.4	-0.7	-1.8	-2.9	-3.5	-1.8	0.8	2.9	4.2	4.9	5.3	5.1	4.7	3.7	1	-0.8	-1.7	-2.3	-2.8	-3.7	-4.1	0.2
5	-4.1	-3.6	-3.6	-3.6	-3.9	-4.3	-4.2	-3.7	-2.3	0.3	2.4	4	6.2	8.1	8.8	8.8	6.6	3.7	2	1.4	1.1	0.9	0.4	-0.3	0.9
6	-0.8	-1.5	-2.2	-1.8	-1.3	-0.4	0.2	0.9	1.9	3	4.6	5.7	7.4	9.4	11.5	11.4	11.1	10.9	10.5	10.2	9.5	8.3	7.2	6.1	5.1
7	4.5	3.6	3.2	3	2.2	1	0.5	0.4	1.3	2.1	2.8	3.5	5.3	7.3 ?	?	?	?	?	?	?	?	?	?	?	2.9 ?
8	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
9	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
10	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
11	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
12	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
13	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
14	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
15	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
16	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
17	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
18	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
19	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
20	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
21	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
22	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
23	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
24	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
25	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
26	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
27	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
28	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
29	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
30	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
31	17.4	17	16.6	16.3	16	15.6	15.1	14.9	15.5	16.3	17.2	18.7	20.5	22.5	24.3	25.4	25.6	24.5	22	20.1	19.1	18.5	18	17.4	18.9
Avg	1.7	1.6	1.4	1.1	1	0.7	0.6	0.5	1.4	3.1	4.5	5.6	6.8	7.8	10.7	10.7	10	8.5	7.1	6.2	5.6	5	4.3	3.8	5.7 ?
S D	7.1	6.9	6.8	6.9	6.8	6.6	6.3	6.2	6	5.5	5.3	5.5	5.9	6.6	9.8	10.2	10.6	10.8	10.3	9.8	9.5	9.2	9.2	9.1	8.8
S/A	4.11	4.33	5.03	6.01	6.93	8.93	10.78	12.29	4.23	1.79	1.18	0.98	0.87	0.84	0.91	0.95	1.05	1.27	1.45	1.58	1.69	1.86	2.16	2.38	1.56
Min	-4.7	-4.5	-4.9	-6.2	-6.1	-5.9	-5.1	-4.3	-3.5	-0.3	0.3	0.6	0.5	0.4	0.3	0.1	-0.1	-0.3	-1.1	-2.3	-2.8	-3.5	-4.2	-4.4	-0.9
Max	17.4	17	16.6	16.3	16	15.6	15.1	14.9	15.5	16.3	17.2	18.7	20.5	22.5	26.8	27	27	25.7	23.4	21.7	20.3	19	18.2	17.7	22.7
n	96	96	96	96	96	96	96	96	96	96	96	96	96	88	89	96	96	96	96	96	96	96	96	96	2289

Data Recovery: 0.0% missing; 74.4% 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.

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

January 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0.9	0.8	1.2	1.6	1.9	2.4	4.2	4.1	3.7	3.8	3.9	3.8	3.4	3.2	3.3	3.3	2.6	2	1.6	1.4	1.9	1.6	1.6	1.7	2.5
2	1.3	1.6	0.7	1	0.8	0.8	1.2	1.6	2.2	2.9	3.5	2.9	3.3	2.6	1.5	1.8	1.8	1.9	2.3	2.3	2.2	2.5	2.9	4.4	2.1
3	4.9	4.9	5	5.3	4.9	4.7	5.5	5.1	5.2	5.2	5.7	6.2	5.7	6	5.4	5.7	6.2	7.1	7.2	5.9	6.3	6.4	3.8	3.5	5.5
4	3.9	4.7	4.6	4.7	5	3.9	3.6	2.8	2.9	3.5	3.7	4.1	3.7	2.7	3.3	2.4	1.9	1.2	1.8	1.7	2.1	1.2	0.9	1.3	3
5	2	2.9	3	2.1	2	1.8	2.4	2.7	3.1	2.1	1.7	1.9	1.5	1.5	1.8	2.3	2.4	1.5	1.7	1.9	2.3	2.3	1.5	1.3	2.1
6	1.3	0.6	1.1	1.4	1.2	0.4	1.3	0.8	1.5	1.9	3.1	3.9	3.7	5.8	7.4	2.7	2.7	4.6	4.5	5	6.2	5.9	5.2	4.3	3.2
7	3.8	4	3.3	3.3	1.7	1.9	2.1	2.2	2.6	2.7	3.7	3.7	4.6	4.3	3.8	3.5	3.6	3.7	3.8	2.8	2.6	2	2	2.7	3.1
8	3.2	2.8	2.3	1.8	1.1	0.7	0.5	0.8	0.9	1.8	2.2	1.9	2.2	2.7	2.7	2.6	2.2	1.8	1.9	2	1.3	1.2	1.6	2	1.8
9	1.9	2.4	2.4	2.1	2.5	2.8	2.6	3.1	2.9	2.9	3.4	4	4.5	6.4	6.1	5.2	4.4	2.7	2.8	3.4	4.5	5.1	4.5	4.1	3.6
10	4.2	4.3	2.9	3.7	3	3.2	3.4	3	2.9	4	3	3.3	4.3	4.2	3.7	3.3	2.3	1.5	1.7	2.5	2.4	2.1	2.2	2.1	3
11	1.8	2	1.8	1.8	2.2	2.3	2	2.2	3.4	5.7	6.2	4	3.7	3.9	3	4.1	4.8	3.1	1.8	1.5	1.5	1.6	1.9	1.7	2.8
12	1.3	1	0.9	1	1	1	0.8	0.5	0.7	0.4	0.7	1.9	2.5	3.1	2.7	2	1.4	1.5	1.4	1.3	1.5	1.3	0.7	1.5	1.3
13	1.5	1.7	1.4	1.6	2	3.3	4.6	4.9	4.7	5.4	5.7	4.9	5.4	4.9	5.5	5.7	4.4	2.4	2.3	2.4	2.4	2.3	2.7	2.1	3.5
14	1.7	1.4	0.9	0.5	0.1	1.1	1.3	1.3	1.4	2	2.6	2.8	2.9	3	2.6	2.7	3	3.1	2.3	2	1.5	0.5	0.8	1.4	1.8
15	1.5	1.2	1.7	1.3	1	1.4	1.7	1.7	1.3	1.9	2.2	2.1	2.9	4	5.4	3.6	2.3	1.8	2.3	1.4	1.4	1.5	1.9	1.7	2.1
16	2.2	2.3	1.5	1.1	0.2	0.3	0.9	0.1	0.6	1.1	2.3	1.8	1.2	1.4	1.5	2.4	2.3	1.2	0.9	1.4	1.5	1.1	0.7	1.4	1.3
17	1.3	1.1	0.5	0.1	0.2	0.6	1.4	2.1	3.2	3.8	4.4	5.3	5	4.4	4.2	3.5	2.5	1	0.4	0.6	0.5	0.6	0.6	0.9	2
18	1.1	1.1	1.1	1.1	0.5	2.2	2.5	2.4	2.8	2.5	3.1	2.7	2.2	1.6	2.5	2.1	2	0.8	1.4	2	1.8	1.3	1.2	1.1	1.8
19	0.4	0.8	1.2	0.4	1.5	1.4	1.8	2.7	4.2	2.7	3.2	2.4	2.7	2.7	3.8	3	2.3	1.7	0.5	0.3	0.4	1.5	1.5	1.6	1.9
20	0.9	3.3	3	3.3	5.3	4.9	4.7	3.4	2.4	2.1	3	3.1	2.6	1.3	1.4	1.8	2.2	1.8	1.2	1.5	0.8	0.8	0	0.7	2.3
21	0.5	0.7	0.3	0.1	0.8	0.6	0.8	0.8	1.6	2.3	2.5	2.7	2.5	2	1.2	1.9	2.5	2.1	2	2.4	2.3	2.3	1.5	2.6	1.6
22	2.5	2	1.7	1.3	1.1	1	1.6	0.7	1.1	1.6	2	1.9	2.3	2.4	2.3	1.6	1.6	1.4	1	1.3	1.7	1.6	1	0.7	1.6
23	0.5	0.2	0.7	0.8	0.5	0.6	2	0.6	0.8	2.5	2.9	3.5	3.4	3.7	4.7	4.1	3.9	3.9	3.7	4.3	2.6	2.2	0.7	0.6	2.2
24	1.2	3.2	3	1.9	1.4	1.4	1.6	2.3	2.8	3.5	3.7	4.4	7.3	8	6.8	7	6.1	5.2	3.8	2.8	2.6	2.3	2.6	4.6	3.7
25	2.9	4.4	3.3	2	1.4	1.6	4.2	5.4	3.7	3.6	3.4	3.5	3.5	3.6	3.4	3.5	2.9	0.8	0.7	0	0	0.3	0	0	2.4
26	0.1	0.1	0.1	0	0	0.3	1.3	0.1	0	0.1	0.5	0.7	0.8	1.8	1.7	1.9	1.8	0.8	0.4	0.7	1.2	1.4	0.4	0.5	0.7
27	1.1	0.8	0.9	1.1	0.4	0.2	0	0	0.1	0.8	1.3	1.9	2.4	2.4	2.4	2.5	1.9	1.8	1	1	1.2	1.3	1.3	0.8	1.2
28	0.4	0.2	0.4	0.5	0.2	0.7	0.3	0.5	0.8	1.2	1.7	2.3	2.7	2.8	2.9	2.9	1.6	0.5	1.1	1.4	1.3	1.5	1.7	1.1	1.3
29	0.5	0	0.4	0.9	1.1	1.5	1.4	1.4	2.2	2.9	2.8	3.3	3.5	3.7	4	3.7	2.1	1.1	0.6	1.1	0.8	1.5	1.6	2.3	1.8
30	1.9	1.2	1.3	2.1	2.7	3	3.3	2.9	3.6	3.8	3.7	3.5	3.9	5.1	5.4	4.7	3.9	2.7	2.1	1.9	2.5	2.9	3.3	2.7	3.1
31	2.5	2.2	2.4	1.7	0.9	0.3	0.6	1.4	2.3	2.2	3.3	3.3	3	3.3	3	2.4	1.3	1.1	1.7	1.4	2.2	2.9	2.4	2.4	2.1
Avg	1.8	1.9	1.8	1.7	1.6	1.7	2.1	2.1	2.3	2.7	3.1	3.2	3.3	3.5	3.5	3.2	2.8	2.2	2	2	2	2	1.8	1.9	2.3
SD	1.2	1.4	1.3	1.3	1.4	1.3	1.4	1.5	1.3	1.4	1.3	1.2	1.4	1.6	1.6	1.3	1.3	1.5	1.4	1.3	1.4	1.4	1.2	1.2	1
S/A	0.69	0.74	0.71	0.76	0.89	0.77	0.67	0.72	0.58	0.51	0.42	0.37	0.41	0.45	0.46	0.41	0.45	0.67	0.71	0.64	0.69	0.7	0.69	0.63	0.41
Min	0.1	0	0.1	0	0	0.2	0	0	0	0.1	0.5	0.7	0.8	1.3	1.2	1.6	1.3	0.5	0.4	0	0	0.3	0	0	0.7
Max	4.9	4.9	5	5.3	5.3	4.9	5.5	5.4	5.2	5.7	6.2	6.2	7.3	8	7.4	7	6.2	7.1	7.2	5.9	6.3	6.4	5.2	4.6	5.5
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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	179	225	245	211	219	229	242	235	246	254	218	241	234	221	231	227	234	238	226	210	210	210	197	208	229
2	196	187	197	189	188	188	201	221	203	218	246	251	255	242	254	235	253	259	282	250	243	251	243	236	237
3	233	250	246	243	234	241	238	226	243	244	241	239	242	240	252	247	230	239	239	227	219	212	215	219	236
4	197	216	193	223	205	193	177	214	201	192	209	215	181	185	172	158	146	136	116	118	117	106	103	99	187
5	100	101	115	113	110	118	122	122	125	117	104	107	134	111	80	70	86	93	92	101	100	92	90	82	105
6	92	78	82	95	91	64	344	327	311	308	318	325	354	10	60	79	92	116	122	134	138	145	149	152	94
7	151	147	149	142	124	113	119	128	123	126	124	138	157	138	169	175	145	159	166	170	169	150	146	142	147
8	172	174	188	195	174	161	171	168	171	204	219	233	156	144	120	119	113	101	132	129	111	86	92	76	150
9	90	104	106	99	97	104	98	102	86	87	97	90	89	117	107	113	111	103	90	109	113	121	122	119	105
10	119	112	110	118	104	117	114	110	125	118	133	131	156	136	126	112	119	100	101	119	113	111	113	105	119
11	77	91	95	84	101	95	89	82	105	130	158	201	175	181	186	139	157	162	176	187	162	160	159	182	145
12	185	167	164	170	159	158	156	149	142	178	353	25	49	84	70	51	54	59	58	4	10	41	279	230	77
13	213	185	184	145	116	132	145	157	164	176	184	167	153	147	140	149	146	122	107	117	104	101	105	110	148
14	113	115	105	90	13	347	50	26	35	42	52	59	58	52	19	5	24	22	38	51	107	113	128	112	50
15	115	110	138	133	125	125	115	120	119	132	149	170	165	151	149	139	157	158	158	172	159	153	164	184	147
16	189	202	193	219	225	217	235	184	135	240	257	268	242	104	92	34	37	52	42	31	21	27	16	19	46
17	27	31	44	38	42	89	84	86	105	109	127	142	136	123	121	125	108	87	87	92	54	60	77	50	112
18	59	76	108	203	281	232	248	249	258	275	224	227	231	218	214	174	196	186	301	295	288	269	297	299	241
19	219	241	265	256	273	258	262	298	299	301	318	278	275	242	228	250	192	220	61	65	115	181	142	114	260
20	90	166	189	185	197	207	203	224	233	237	241	250	263	305	310	301	286	261	277	274	295	308	238	300	229
21	270	163	164	75	146	158	9	36	39	64	118	116	96	126	81	143	131	139	141	152	143	136	117	128	121
22	142	155	143	177	171	185	177	172	186	196	176	207	225	232	269	289	338	51	37	2	3	3	62	63	191
23	342	189	263	279	334	299	330	344	356	23	48	38	39	48	48	55	75	101	104	107	103	143	140	110	63
24	105	108	100	86	79	76	88	88	83	82	79	84	110	123	128	111	104	102	112	116	110	105	110	120	105
25	125	143	110	121	115	145	177	174	153	179	176	172	162	186	189	187	188	211	218	209	326	320	311	35	165
26	357	347	309	330	6	128	129	149	90	137	230	200	115	66	43	16	36	14	326	340	343	347	350	8	31
27	42	39	31	53	58	333 ?	36	344	316	26	37	16	47	40	356	10	1	308	302	329	339	328	337	355	8
28	338	331	343	329	229	291	280	328	326	320	36	89	73	75	85	68	42	13	303	319	344	348	35	61	36
29	67	17	10	31	41	38	30	33	44	49	31	55	74	64	67	50	56	28	13	15	355	6	4	10	44
30	19	18	11	37	40	47	53	49	48	49	49	29	38	35	46	39	36	35	33	17	9	18	17	24	36
31	26	25	35	41	22	21	9	11	14	27	33	35	37	71	60	32	12	337	339	356	6	5	11	17	25
Avg	137	147	146	154	152	158	161	160	145	145	159	159	136	124	116	112	117	123	125	128	121	123	120	122	132
n	372	372	371	372	372	368	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8923

Data Recovery: 0.0% missing; 0.1% 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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1.9	1.6	2.2	2.6	3.2	3.9	6.4	6.6	5.8	6.1	6.1	6.3	5.7	5.5	5.5	5.1	4.3	3.3	2.7	2.5	3.3	2.8	3	3.1	4.2
2	2.9	3.2	1.7	1.8	1.7	1.8	2.7	3.2	3.7	4.7	5.5	4.9	5	4.3	2.6	3.1	3.1	3.2	3.3	3.9	3.7	4.1	4.6	6.4	3.5
3	7.7	7.9	8.3	7.9	7.7	7.3	8.2	7.7	8.3	8.4	9.1	9.6	8.9	9.4	8.5	8.7	9.6	10.9	10.4	9.1	9.9	10.3	6.6	6.2	8.6
4	7.4	8.7	8.4	8.4	8.5	7	6.9	5.6	5.6	6.8	7	7	6.8	4.9	5.6	4.3	2.9	1.9	2.4	2.5	2.9	2.1	1.7	2.2	5.3
5	3.1	4.3	4.5	3.1	3.1	2.7	3.2	3.7	4.3	3.2	2.7	2.9	2.5	2.6	2.9	3.5	3.9	2.3	2.5	2.7	3.3	3.4	2.4	1.9	3.1
6	1.7	1.2	1.8	2	1.9	1.1	2.1	1.4	2.2	2.7	4.3	5.5	5.3	7.9	10.8	4.3	4.4	7.2	6.7	7.3	9.1	8.6	7.6	7.7	4.8
7	5.9	6.5	5.5	5.2	2.8	2.9	3.1	3.4	4.2	4.3	5.6	5.8	7.8	7.5	6.9	6.3	6.2	6.1	6.5	4.9	4.3	3.2	2.9	3.9	5.1
8	5.3	5.1	4.4	3.3	2.2	1.5	1	1.4	1.9	3.6	4	3.4	4.2	4.9	4.6	4.1	3.3	2.7	2.7	2.9	1.9	1.9	2.3	3.1	3.2
9	3.1	3.4	3.5	3	3.7	4.2	3.9	4.4	4.4	4.5	5.6	6.4	7.4	9.8	9.3	7.6	6.4	4	4.2	5.4	6.6	7.3	6.3	5.6	5.4
10	5.9	5.9	4.3	5.2	4	4.6	4.8	4.3	4.4	5.8	4.6	5.1	6.6	6.1	5.5	5.1	3.4	2.2	2.5	3.5	3.4	3	3	3	4.4
11	2.8	3	3	2.7	3.1	3.2	2.8	3.3	5.5	8.6	10.1	6.7	7.2	7	5.6	7.4	7.9	5.5	3.1	2.5	2.4	2.7	3.3	3	4.7
12	2.3	1.6	1.6	1.8	1.5	1.5	1.3	1	1.2	0.9	1.6	3.2	3.8	5.1	4.2	3.1	2.2	2.4	2.3	1.9	2.3	2.1	1.3	2.5	2.2
13	2.8	3.4	2.9	2.7	3.1	5	7.2	7.9	7.9	9.2	10.3	9.3	9.6	8.2	9	8.7	6.4	3.7	3.3	3.6	3.3	3.3	3.6	3	5.7
14	2.4	1.9	1.2	0.8	0.2	1.3	1.9	1.8	2.1	2.9	4.1	4.4	4.7	4.8	3.9	4.1	4.7	4.7	3.5	3.2	2.5	1	1.8	2.3	2.8
15	2.7	2	2.7	2.3	1.7	2.1	2.4	2.5	2	3	4	4.1	5.8	7.1	8.4	6	4.4	3.1	4.1	2.6	2.3	2.5	3.2	2.9	3.5
16	3.7	4.2	2.6	1.9	0.6	0.5	1.4	0.4	1	2.2	3.8	3.2	2.6	2.4	2.6	4	3.3	2	1.5	2	2.2	1.8	1.4	2	2.2
17	2	1.7	1	0.2	0.5	1.1	2.1	3.4	4.6	5.7	6.5	7.9	7.2	6.5	6.3	5.3	3.7	1.6	0.8	1	0.9	1.2	1.2	1.5	3.1
18	1.9	1.8	1.8	1.8	1	3.7	4	3.7	4.7	3.8	4.5	4.1	3.8	2.9	4.6	4.1	3.9	1.7	2.3	2.9	2.4	1.9	1.7	1.6	2.9
19	0.7	1.2	2.1	0.9	2	2	2.8	3.8	6	4	4.9	3.7	4.1	4.5	5.8	4.5	4.5	3.2	1.3	0.9	1.2	3.4	3.4	2.6	3.1
20	1.9	6.4	5.4	6.6	9.1	8.5	7.5	5.9	4.5	4.1	5	5	4.3	2.7	2.5	2.8	3.3	3	2.3	2.4	1.4	1.5	0.2	1.2	4.1
21	1.4	1.7	0.9	0.3	1.4	1.5	1.3	1.6	2.4	3.6	3.7	4.2	3.8	3.4	2.4	3.3	3.9	3.4	3.9	4.4	4	3.6	2.5	4.1	2.8
22	3.6	3.3	2.9	2.8	2.4	2.3	3.1	2.1	2.7	3.3	3.5	3.8	4	4.1	3.6	2.8	2.4	2.2	1.5	1.8	2.3	2.3	1.6	1.2	2.7
23	0.9	0.5	1.2	1.3	1.1	1	2.9	1.2	1.4	4	4.6	5.3	5.3	5.6	7	6.5	6.2	6.5	5.6	6.4	4.2	3.8	1.8	1.6	3.6
24	2.2	4.7	4.7	3.5	3	3.1	3.1	4.1	4.5	5.7	6.2	7.3	10.8	12.3	10.3	10.6	9.3	7.7	5.5	4.2	3.8	3.6	4	6.8	5.9
25	4.3	6.7	5	3.4	2.6	3.1	7.4	8.8	6.5	6.3	6.2	6	6.1	6.3	5.5	6.1	4.7	1.8	1.4	0.2	0.1	0.7	0.1	0.1	4.1
26	0.4	0.3	0.2	0.1	0	0.4	1.8	0.3	0.1	0.4	1.2	1.5	2	3	3	3	2.9	1.4	0.8	1.2	1.7	2	1	1.1	1.2
27	1.6	1.2	1.3	1.5	0.6	0.4	0.1	0.1	0.2	1.4	2.1	3.3	4.2	3.9	3.7	4.1	3.2	2.6	1.5	1.6	1.8	1.9	1.9	1.6	1.9
28	0.8	0.4	1.1	0.9	0.6	1.2	0.5	1	1.5	2	2.8	4.2	4.1	4.3	4.7	4.5	2.7	1.1	2	2	2.1	2.4	3	2	2.2
29	1.3	0.3	1	1.8	1.9	2.4	2.4	2.3	3.4	4.3	4.4	4.8	5.2	5.7	5.8	5.4	3	1.8	1.3	1.7	1.5	2.3	2.4	3.5	2.9
30	2.8	1.9	2.2	3.2	4	4.4	4.9	4.3	5.1	5.8	5.7	5.5	6.2	7.6	8.4	7.2	6.3	4.1	3.1	2.8	3.9	4.4	4.8	4	4.7
31	3.7	3.4	3.6	2.6	1.5	0.8	1.4	2.4	3.8	3.8	5.3	5.3	4.6	5.8	4.5	4.2	2.2	1.8	2.7	2.5	3.6	4.6	4	4	3.4
Avg	2.9	3.2	3	2.8	2.6	2.8	3.4	3.3	3.7	4.4	5	5.2	5.5	5.7	5.6	5.2	4.5	3.5	3.2	3.1	3.2	3.2	2.9	3.1	3.8
SD	1.9	2.3	2	2.1	2.3	2.1	2.2	2.3	2.1	2.1	2.1	1.8	2.1	2.3	2.4	2	1.9	2.2	2	1.9	2.1	2.1	1.7	1.8	1.5
S/A	0.63	0.72	0.68	0.75	0.86	0.74	0.67	0.68	0.56	0.49	0.43	0.35	0.38	0.41	0.43	0.38	0.43	0.63	0.65	0.62	0.67	0.66	0.61	0.59	0.39
Min	0.4	0.3	0.2	0.1	0	0.4	0.1	0.1	0.1	0.4	1.2	1.5	2	2.4	2.4	2.8	2.2	1.1	0.8	0.2	0.1	0.7	0.1	0.1	1.2
Max	7.7	8.7	8.4	8.4	9.1	8.5	8.2	8.8	8.3	9.2	10.3	9.6	10.8	12.3	10.8	10.6	9.6	10.9	10.4	9.1	9.9	10.3	7.6	7.7	8.6
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 2002

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1015	1015	1015	1015	1016	1016	1016	1017	1019	1020	1019	1019	1018	1018	1018	1019	1020	1020	1021	1022	1023	1023	1023	1023	1019
2	1023	1024	1024	1024	1024	1025	1025	1026	1026	1027	1026	1025	1024	1023	1023	1023	1023	1023	1022	1021	1021	1020	1019	1017	1023
3	1016	1015	1014	1013	1012	1011	1010	1010	1010	1009	1008	1007	1006	1005	1005	1005	1005	1005	1006	1007	1006	1006	1008	1008	1009
4	1008	1009	1010	1011	1012	1013	1015	1016	1018	1019	1020	1019	1019	1019	1019	1020	1020	1020	1021	1022	1022	1022	1022	1021	1017
5	1021	1021	1021	1021	1021	1021	1022	1022	1022	1023	1023	1022	1021	1020	1020	1020	1019	1020	1020	1020	1020	1020	1019	1018	1021
6	1018	1017	1017	1017	1016	1015	1014	1013	1012	1011	1009	1005	1002	998	997	997	997	997	998	998	999	999	1000	1001	1006
7	1001	1001	1002	1002	1002	1002	1003	1003	1003	1004	1004	1004	1003	1002	1003	1004	1005	1006	1007	1008	1009	1009	1010	1011	1005
8	1011	1012	1013	1013	1014	1015	1016	1016	1017	1018	1019	1018	1017	1017	1017	1016	1016	1016	1017	1017	1017	1018	1018	1017	1016
9	1016	1016	1016	1015	1015	1015	1015	1015	1015	1015	1014	1013	1012	1011	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1013
10	1010	1010	1011	1010	1010	1011	1011	1012	1012	1012	1012	1012	1011	1010	1010	1010	1010	1010	1011	1011	1011	1011	1011	1010	1011
11	1010	1009	1009	1008	1007	1007	1007	1007	1007	1006	1007	1008	1008	1008	1008	1009	1010	1011	1012	1013	1014	1015	1015	1015	1010
12	1015	1016	1016	1016	1016	1016	1016	1016	1017	1017	1017	1016	1014	1013	1012	1011	1010	1010	1010	1010	1008	1007	1006	1004	1013
13	1001	1001	1000	1000	999	999	1001	1002	1004	1006	1007	1007	1008	1008	1009	1010	1011	1011	1011	1013	1013	1014	1015	1016	1007
14	1016	1016	1017	1018	1018	1018	1019	1019	1019	1020	1020	1019	1018	1017	1016	1015	1014	1014	1014	1014	1013	1013	1013	1012	1016
15	1011	1011	1011	1010	1010	1009	1010	1011	1011	1012	1012	1012	1011	1010	1010	1011	1012	1012	1013	1014	1015	1015	1016	1017	1012
16	1018	1019	1019	1020	1021	1021	1022	1023	1024	1024	1025	1024	1023	1023	1022	1022	1022	1022	1022	1022	1022	1022	1021	1021	1022
17	1019	1019	1018	1018	1017	1017	1016	1016	1016	1017	1016	1015	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1016
18	1014	1014	1014	1014	1014	1015	1016	1016	1016	1016	1017	1017	1017	1016	1016	1017	1018	1019	1020	1021	1021	1022	1022	1021	1017
19	1021	1022	1022	1022	1020	1020	1020	1018	1016	1016	1014	1012	1010	1008	1007	1006	1006	1006	1005	1004	1004	1005	1005	1005	1012
20	1004	1006	1009	1010	1012	1014	1016	1017	1019	1020	1021	1020	1019	1020	1020	1020	1020	1020	1020	1020	1020	1019	1019	1018	1017
21	1018	1017	1017	1016	1016	1016	1015	1015	1014	1015	1015	1015	1013	1012	1011	1011	1012	1012	1013	1014	1015	1016	1017	1018	1015
22	1018	1018	1019	1020	1021	1022	1023	1025	1026	1027	1028	1028	1027	1027	1027	1028	1028	1028	1029	1029	1029	1028	1028	1028	1025
23	1027	1027	1027	1026	1026	1026	1025	1025	1025	1024	1023	1022	1021	1020	1018	1017	1017	1016	1016	1016	1016	1016	1016	1016	1021
24	1015	1015	1015	1014	1014	1014	1013	1013	1012	1012	1011	1010	1009	1009	1008	1008	1007	1007	1008	1008	1008	1008	1008	1008	1011
25	1007	1008	1008	1007	1007	1009	1011	1014	1015	1017	1018	1018	1018	1019	1019	1020	1021	1022	1023	1023	1024	1024	1024	1024	1017
26	1024	1024	1024	1024	1024	1024	1025	1025	1025	1026	1026	1026	1025	1024	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1024
27	1023	1023	1022	1022	1022	1023	1023	1024	1024	1025	1025	1024	1023	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1023
28	1021	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1019	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1019
29	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1017	1017	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017
30	1018	1018	1018	1018	1017	1017	1018	1018	1019	1019	1019	1019	1018	1017	1012	1017	1017	1017	1017	1018	1019	1019	1019	1019	1018
31	1019	1019	1020	1020	1020	1021	1022	1022	1022	1023	1023	1023	1021	1021	1020	1020	1020	1019	1019	1020	1020	1019	1019	1019	1020
Avg	1015	1015	1016	1016	1015	1016	1016	1017	1017	1017	1017	1017	1016	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016
SD	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6	6	5
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	1001	1001	1000	1000	999	999	1001	1002	1003	1004	1004	1004	1002	998	997	997	997	997	998	998	999	999	1000	1001	1005
Max	1027	1027	1027	1026	1026	1026	1025	1026	1026	1027	1028	1028	1027	1027	1027	1028	1028	1028	1029	1029	1029	1028	1028	1028	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	372	8928

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

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

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

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

Prepared by: Afshin M. Andreas, NREL