

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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	13	86	254	501	576	555 ?	354	271	248	212	49	2	0	0	0	0	0	0	3122
2	0	0	0	0	0	0	10	123	307	441	555	606	585	476	380	216	53	3	0	0	0	0	0	0	3755
3	0	0	0	0	0	0	15	164	305	434	533	616	405	438	422	247	49	0	0	0	0	0	0	0	3628
4	0	0	0	0	0	0	11	61	280	427	548	487	542	490	370	201	50	0	0	0	0	0	0	0	3466
5	0	0	0	0	0	0	13	113	306	473	548 ?	640 ?	630	545	403	229	53	0	0	0	0	0	0	0	3954 ?
6	0	0	0	0	0	0	17	122	312	469	573	619	612	533	401	221	51	0	0	0	0	0	0	0	3930
7	0	0	0	0	0	0	18	116	299	452	555	596	592	523	?	231 ?	39	0	0	0	0	0	0	0	3421 ?
8	0	0	0	0	0	0	14	101	262	419	527	575	553	493	372	195	41	0	0	0	0	0	0	0	3553
9	0	0	0	0	0	0	24	77	250	426	552	602	596	516	385	201	45	0	0	0	0	0	0	0	3673
10	0	0	0	0	0	0	16	131	252	412	541	589	577	497	370	195	35	0	0	0	0	0	0	0	3614
11	0	0	0	0	0	0	10	96	258	416	523	570	556	475	323	170	33	0	0	0	0	0	0	0	3431
12	0	0	0	0	0	0	14	108	278	440	539	591	574	499	368	190	42	0	0	0	0	0	0	0	3643
13	0	0	0	0	0	0	12	98	266	414	523	566	554	489	356	182	32	0	0	0	0	0	0	0	3490
14	0	0	0	0	0	0	13	102	258	377	404	461	440	299	344	173	38	0	0	0	0	0	0	0	2910
15	0	0	0	0	0	0	6	45	144	254	331	?	407 ?	422 ?	249	143 ?	38	0	0	0	0	0	0	0	2040 ?
16	0	0	0	0	0	0	9	101	233	388	471 ?	553	538 ?	469	335	165	35	0	0	0	0	0	0	0	3297 ?
17	0	0	0	0	0	0	7	67	213	362	460	520	509	448	273	107	24	0	0	0	0	0	0	0	2989
18	0	0	0	0	0	0	8	89	262	395	502	554	541	470	343	171	36	0	0	0	0	0	0	0	3369
19	0	0	0	0	0	0	8	48	142	259	414	391	464	358 ?	282	159	33	0	0	0	0	0	0	0	2558
20	0	0	0	0	0	0	4	63	189	245	263 ?	206	88 ?	53	?	?	5	0	0	0	0	0	0	0	1116 ?
21	0	0	0	0	0	0	3	77	177 ?	?	540 ?	561	545	469	340	166	34	0	0	0	0	0	0	0	2911 ?
22	0	0	0	0	0	0	8	67	187 ?	401 ?	492	541	533	468	342	164	27	0	0	0	0	0	0	0	3229
23	0	0	0	0	0	0	6	47	213	310	278	180	233	130	57	30	9	0	0	0	0	0	0	0	1491
24	0	0	0	0	0	0	0	6	106	309	398	250	268	162	90	40	10	0	0	0	0	0	0	0	1640
25	0	0	0	0	0	0	9	58	195	249	118	79	79	124	97	86	33	0	0	0	0	0	0	0	1127
26	0	0	0	0	0	0	1	24	117	236	286	299	389	191	181	61	13	0	0	0	0	0	0	0	1798
27	0	0	0	0	0	0	4	18	55	122	135	195	178	166	121	117	23	0	0	0	0	0	0	0	1135
28	0	0	0	0	0	0	3	21	73	156 ?	395	477	469	404	250	141	22	0	0	0	0	0	0	0	2411
29	0	0	0	0	0	0	4	32	97	169	367	385	362	301	169	107	25	0	0	0	0	0	0	0	2018
30	0	0	0	0	0	0	0	57	199	298	364	440	460	382	249	104	26	0	0	0	0	0	0	0	2579
Avg	0	0	0	0	0	0	9	77	216	354	444	473	454	385	290	159	33	0	0	0	0	0	0	0	2843
S D	0	0	0	0	0	0	6	38	74	104	128	157	152	144	105	57	13	1	0	0	0	0	0	0	898
S/A	0	0	0	0	0	0	0.62	0.49	0.34	0.29	0.29	0.33	0.34	0.37	0.36	0.36	0.39	3.81	0	0	0	0	0	0	0.32
Min	0	0	0	0	0	0	0	6	55	122	118	79	79	53	57	30	5	0	0	0	0	0	0	0	1116
Max	0	0	0	0	0	0	24	164	312	501	576	640	630	545	422	247	53	3	0	0	0	0	0	0	3954
n	0	0	0	0	0	0	111	359	346	333	325	339	342	347	334	340	317	3	0	0	0	0	0	0	3497

Daylight Data Recovery: 0.0% missing; 4.8% exceed the 15% QC threshold -- 3672 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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	*	*	*	?	959 ?	616 ?	28 ?	?	?	?	?	?	0	0	0	0	0	0	?
2	0	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
3	0	0	0	0	0	0	*	392 *?	?	?	?	?	?	?	?	?	?	*	0	0	0	0	0	0	?
4	0	0	0	0	0	0	57 ?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?
5	0	0	0	0	0	0	*	?	?	898 ?	765 ?	?	?	?	?	*	*	0	0	0	0	0	0	0	?
6	0	0	0	0	0	0	*	*	?	?	?	?	?	?	*	*	*	0	0	0	0	0	0	0	*
7	0	0	0	0	0	0	*	*	*	?	?	?	?	?	?	633 ?	450	0	0	0	0	0	0	0	1084 *?
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	0	?
12	0	0	0	0	0	0	?	?	?	?	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*
13	0	0	0	0	0	0	*	*	?	?	?	*	*	?	*	*	*	0	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	*	*	*	*	?	?	483 ?	404 ?	164	37 ?	180 ?	0	0	0	0	0	0	0	1268 *?
16	0	0	0	0	0	0	?	?	?	861 ?	676 ?	?	669 ?	789 ?	?	*	*	0	0	0	0	0	0	0	2996 *?
17	0	0	0	0	0	0	*	*	*	*	*	*	*	?	?	*	*	0	0	0	0	0	0	0	*
18	0	0	0	0	0	0	766 ?	345 *?	?	?	*	*	*	?	*	*	*	0	0	0	0	0	0	0	*
19	0	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	237 ?	0	0	0	0	0	0	0	?
20	0	0	0	0	0	0	787 ?	?	?	?	?	?	122 ?	?	?	?	?	129	0	0	0	0	0	0	1038 ?
21	0	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
22	0	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
23	0	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
24	0	0	0	0	0	0	*	*	*	*	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
25	0	0	0	0	0	0	?	?	?	?	?	?	18	?	?	?	?	?	0	0	0	0	0	0	18 ?
26	0	0	0	0	0	0	*	*	*	169 ?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
27	0	0	0	0	0	0	*	*	*	*	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
28	0	0	0	0	0	0	593	*	*	?	*	*	*	*	*	*	*	?	0	0	0	0	0	0	*
29	0	0	0	0	0	0	*	*	?	*	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
30	0	0	0	0	0	0	*	*	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
Avg	0	0	0	0	0	0	551	368	N/A	643	800	616	264	597	164	335	249	0	0	0	0	0	0	0	528 *?
S D	0	0	0	0	0	0	340	33	0	410	144	0	295	272	0	422	141	0	0	0	0	0	0	0	722
S/A	0	0	0	0	0	0	0.62	0.09	0	0.64	0.18	0	1.12	0.46	0	1.26	0.57	0	0	0	0	0	0	0	1.37
Min	0	0	0	0	0	0	57	345	N/A	169	676	616	18	404	164	37	129	0	0	0	0	0	0	0	18
Max	0	0	0	0	0	0	787	392	N/A	898	959	616	669	789	164	633	450	0	0	0	0	0	0	0	1038
n	0	0	0	0	0	0	8	4	0	18	9	6	24	15	10	14	30	1	0	0	0	0	0	0	27

Daylight Data Recovery: 25.6% missing; 70.5% exceed the 15% QC threshold -- 3672 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.

Prepared by: Afshin M. Andreas, NREL

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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	13	81	141	81	76	119 ?	330	252	166	100	31	2	0	0	0	0	0	0	1392
2	0	0	0	0	0	0	9	48	65	68	75	106	155	189	132	57	28	3	0	0	0	0	0	0	934
3	0	0	0	0	0	0	13	90	130	97	118	178	192	144	144	121	28	0	0	0	0	0	0	0	1256
4	0	0	0	0	0	0	11	57	104	147	208	175	159	105	70	52	22	0	0	0	0	0	0	0	1109
5	0	0	0	0	0	0	8	34	50	55	55 ?	55 ?	53	55	56	39	18	0	0	0	0	0	0	0	477 ?
6	0	0	0	0	0	0	9	32	49	58	62	61	58	54	49	37	16	0	0	0	0	0	0	0	484
7	0	0	0	0	0	0	12	35	50	58	61	56	52	51	?	41	16	0	0	0	0	0	0	0	430 ?
8	0	0	0	0	0	0	11	44	69	79	81	82	87	73	60	46	19	0	0	0	0	0	0	0	651
9	0	0	0	0	0	0	21	58	89	67	60	57	52	47	42	31	12	0	0	0	0	0	0	0	536
10	0	0	0	0	0	0	9	36	55	61	68	71	68	65	59	46	18	0	0	0	0	0	0	0	556
11	0	0	0	0	0	0	7	37	63	74	80	85	90	87	99	60	22	0	0	0	0	0	0	0	703
12	0	0	0	0	0	0	8	27	41	59	69	59	53	49	43	34	15	0	0	0	0	0	0	0	457
13	0	0	0	0	0	0	9	33	56	64	67	71	89	78	56	43	18	0	0	0	0	0	0	0	584
14	0	0	0	0	0	0	8	32	50	63	95	117	120	188	121	71	24	0	0	0	0	0	0	0	889
15	0	0	0	0	0	0	6	42	135	200	263	289	227 ?	198 ?	150	85 ?	27	0	0	0	0	0	0	0	1621 ?
16	0	0	0	0	0	0	7	36	53	60	59 ?	51	49 ?	52	53	41	15	0	0	0	0	0	0	0	476
17	0	0	0	0	0	0	6	47	99	137	166	149	133	141	154	79	23	0	0	0	0	0	0	0	1134
18	0	0	0	0	0	0	7	37	55	59	61	61	60	54	48	38	15	0	0	0	0	0	0	0	494
19	0	0	0	0	0	0	7	45	124	174	247	271	237	192 ?	161	65	20	0	0	0	0	0	0	0	1542
20	0	0	0	0	0	0	4	54	151	181	220	195	86	51	27	14	5	0	0	0	0	0	0	0	989
21	0	0	0	0	0	0	3	27	42 ?	?	51 ?	50	47	45	41	33	13	0	0	0	0	0	0	0	350 ?
22	0	0	0	0	0	0	6	32	54 ?	49 ?	53	54	54	50	44	33	10	0	0	0	0	0	0	0	441
23	0	0	0	0	0	0	5	35	85	138	230	175	225	127	56	30	8	0	0	0	0	0	0	0	1115
24	0	0	0	0	0	0	0	6	102	255	275	240	255	155	88	39	10	0	0	0	0	0	0	0	1426
25	0	0	0	0	0	0	11 ?	48	153	220	114	77	78	122	95	83	31	0	0	0	0	0	0	0	1031
26	0	0	0	0	0	0	1	24	107	185	253	245	279	158	120	56	13	0	0	0	0	0	0	0	1442
27	0	0	0	0	0	0	4	18	54	119	132	190	172	157	115	93	20	0	0	0	0	0	0	0	1074
28	0	0	0	0	0	0	3	21	72	148	248	111	104	105	97	62	17	0	0	0	0	0	0	0	989
29	0	0	0	0	0	0	4	31	95	164	221	166	250	152	155	102	24	0	0	0	0	0	0	0	1364
30	0	0	0	0	0	0	0	39	158	185	294 ?	408	401 ?	355	239	101	25	0	0	0	0	0	0	0	2205 ?
Avg	0	0	0	0	0	0	7	39	85	114	135	134	141	118	94	58	19	0	0	0	0	0	0	0	938
S D	0	0	0	0	0	0	4	17	37	60	85	89	96	73	52	27	7	1	0	0	0	0	0	0	456
S/A	0	0	0	0	0	0	0.59	0.43	0.44	0.53	0.62	0.66	0.68	0.62	0.55	0.46	0.36	3.83	0	0	0	0	0	0	0.49
Min	0	0	0	0	0	0	0	6	41	49	51	50	47	45	27	14	5	0	0	0	0	0	0	0	350
Max	0	0	0	0	0	0	21	90	158	255	294	408	401	355	239	121	31	3	0	0	0	0	0	0	2205
n	0	0	0	0	0	0	110	359	346	338	327	349	340	348	346	357	318	3	0	0	0	0	0	0	3541

Daylight Data Recovery: 0.0% missing; 3.6% exceed the 15% QC threshold -- 3672 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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	11	11.4	11.7	11.2	10.4	9.9	10.6	11.4	13.6	17	19.1	21.8	21.9	21.4	21.4	21.8	21.4	20.1	18.5	17.9	17.5	17	16.9	16.7	16.3
2	16.6	16.5	16.1	15.7	15.3	14.4	14.1	14.8	18.4	21.5	23.4	24.2	25	25	24.7	24.4	23.2	21.9	20.8	20.1	19.3	18.7	18.1	17.8	19.6
3	17.3	16.7	16.6	16.4	16.2	16	16.1	16.8	20.1	22.5	23.8	24.9	25.2	25.8	26.7	26.6	25.5	22.6	20	19	18.3	17.9	17.5	17.5	20.3
4	17.3	16.2	15.3	14.5	13.9	13.4	13.1	13.2	14.6	16	17.1	17.7	18.9	19.2	19.3	18.7	16.6	14.9	13.7	12.2	11.2	10.3	10.5	10.4	14.9
5	10.4	10.5	10.5	9.8	9.2	8.6	9	10.3	12.2	13.3	13.9	14.5	14.9	15.3	14.9	14.6	13.9	12.1	10.9	10.3	9.6	9.4	9.3	8.1	11.5
6	7.6	7.1	6.5	5.7	5.8	6.2	5.7	5.7	7	8.4	9.5	10.5	11.4	12.5	13.3	13.6	13.1	11.5	10.1	9	8.3	7.8	7.2	6.5	8.7
7	6.3	5.6	5.5	5.6	5.2	4.8	4.9	6.1	9.7	14.1	17.2	20.3	21.6	22.4	23	22.6	21.8	19.5	17	16.2	15.8	15.6	14.6	13.8	13.7
8	12.8	12.1	10.9	10.2	9.6	8.5	7.5	8.7	13.8	16.9	19.1	20.9	21.3	21.8	21.9	21.1	19	16.6	14.7	15.2	15	14.3	13.9	13.3	15
9	13	13.1	12.7	12.2	11.6	11.3	10.4	11.8	13.8	14.4	15	15.5	15.9	16.1	15.9	15.9	15	12.4	10.5	9.4	8.8	6.7	6.4	6	12.2
10	4.6	5.3	5.9	5.6	4.9	4.7	4.9	6	8.9	12.7	15.9	17.7	18.9	20	20.5	20.7	19.7	17.9	16.9	16.1	15.5	15.2	14.9	14.7	12.8
11	14.8	15	14.7	13.6	12.7	11.9	11	11	12.7	15.2	16.6	17	16.9	17	16.7	15.4	13.6	12.6	11.6	11	10.1	8.1	7.7	7.8	13.1
12	7.8	7.5	6.6	6.2	6.1	6.1	6.2	7.2	9.2	10.4	11.5	12.1	12.9	13.1	13	12.2	10.3	8.6	7.7	7.2	6.4	5.8	5.1	5.1	8.5
13	4.5	4.1	3.9	3.9	3.5	3.7	4	5.3	8.3	11.5	13.6	14.5	14.9	14.8	14.6	14	12.9	11.7	10.8	10.2	9.6	9	8.8	8.7	9.2
14	8.7	9.6	9.7	9.1	8.6	8.7	8	9.3	13.2	16	18.4	19.3	19.8	19.8	20.2	19.4	18.2	16.4	15.1	14.1	13.3	12	10.8	10	13.7
15	9.2	9.4	9.2	9.3	9.7	9.5	9.5	9.8	10.7	12.3	15.6	17.7	18.3	18.7	18.6	18	17	15.3	13.9	13	12.5	12	11.5	11.3	13
16	11.3	11.3	11.8	11.9	11.5	11.2	10.7	11.5	14.2	16.9	19.9	21.5	22.3	22.1	21.9	21.6	20.2	17.9	15.9	14.3	13.3	13.2	12.6	12.4	15.5
17	11.5	11.7	13.2	13.9	13.6	13.2	12.6	12.7	13.7	15.7	16.8	17.7	18	17.4	17	16.1	14.9	14.2	13.9	13.9	13.5	12.8	12	11.2	14.2
18	10.1	9.4	9.1	8.5	8.1	8	7.6	8.2	11	14	16	16.5	17	17.4	17.2	16.6	15.4	13.5	12.3	11.6	11.1	10.4	9.5	8.3	12
19	7.8	7.8	7.6	7.4	6.9	6.3	6.9	7.7	10.9	13.8	17.4	19.2	20.1	21.1	21.4	21.3	19.8	18	17.4	16.7	16.2	16.1	16	15.6	14.1
20	15.9	16.7	16.8	16.4	15.3	14.5	14.2	14.1	15.3	16.4	16.1	12.5	11.4	10.2	9.6	9.8	9.7	9.7	9.6	8.9	7.9	6.8	5.4	3.9	12
21	3.9	3.5	2.8	1.9	2.1	1.8	1.7	3.3	6.6	8.5	9.7	10.5	11.1	11.6	11.6	11.4	10.7	8.7	7.4	7.2	7.1	5.4	3.9	3.7	6.5
22	4	4.3	4.2	4.2	4.4	4.2	4.3	5.1	6.7	10	12.4	13.8	14.5	15.1	15	15.4	14.5	11.5	10.3	9.9	9.5	8.9	7.6	7.2	9
23	6.5	6	5.7	6.3	6.5	6.7	7.1	7.4	10.2	13.6	15.4	15.8	16.3	16.3	15.8	15.7	15.4	14.7	13.7	12.5	13.1	13.4	13.7	14.3	11.8
24	14.9	14.7	15.3	15.7	15.4	15.1	15.3	15.7	15.9	16.9	18	18.3	18.5	18.7	19.1	19.2	18.9	18.8	18.7	18.6	18.1	17.7	17.1	16.9	17.1
25	17.2	17.7	17.7	18.2	18.2	17.1	17	18.6	19.6	20.3	20.7	19.9	19.5	19.8	19.7	19.3	19.2	18.5	18	18.1	18.1	18.1	17.8	17.3	18.6
26	16.7	16.6	16.7	17	17.5	17.6	17.3	17.1	17.6	19.2	20	21.2	22.9	22.9	23.3	21.8	18.8	17.9	16.9	16.4	16.2	15.9	15.8	15.8	18.3
27	15.7	15.5	15.1	14.9	14.8	14.8	14.9	15	15.3	15.8	16.4	17.4	18.6	19.2	19	19.7	19.2	17.5	16.6	16.6	17.2	17.1	16.9	16.4	16.7
28	16.3	16.5	16.3	16.1	16.2	16.5	16.6	16.8	16.9	17.3	18.5	21.7	21.2	21.9	22.6	23	21	18	15.8	15.4	14.8	14.5	14.3	14.1	17.6
29	14.2	14.1	14.3	14.8	14.2	13.6	14.4	15.2	15.6	16.2	17.2	19.5	21.2	22.5	22.4	22	20.5	20.2	20.6	20.3	20.1	19.7	19.7	19.4	18
30	18.6	18.6	18.2	17.9	17.7	17.6	17.4	17.4	19.2	21	22.6	23.9	24.4	24.7	24.2	23.6	22.8	22.1	21.6	21.1	20.6	20.6	20.6	20.3	20.7
Avg	11.5	11.5	11.4	11.1	10.8	10.5	10.4	11.1	13.2	15.3	16.9	17.9	18.5	18.8	18.8	18.5	17.4	15.8	14.7	14.1	13.6	13	12.5	12.2	14.2
S D	4.6	4.7	4.7	4.8	4.8	4.6	4.6	4.4	3.9	3.6	3.5	3.8	3.9	4	4.2	4.1	4	4	4	4	4.1	4.4	4.7	4.8	3.7
S/A	0.4	0.41	0.41	0.43	0.44	0.44	0.44	0.39	0.29	0.23	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.25	0.27	0.29	0.3	0.34	0.37	0.39	0.26
Min	3.9	3.5	2.8	1.9	2.1	1.8	1.7	3.3	6.6	8.4	9.5	10.5	11.1	10.2	9.6	9.8	9.7	8.6	7.4	7.2	6.4	5.4	3.9	3.7	6.5
Max	18.6	18.6	18.2	18.2	18.2	17.6	17.4	18.6	20.1	22.5	23.8	24.9	25.2	25.8	26.7	26.6	25.5	22.6	21.6	21.1	20.6	20.6	20.6	20.3	20.7
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: 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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	?	?	?	?	?	?	?	?	?	96?	90.4	77.1	73.1	81.4	82.3	75.8	75.4	83.5	90.5	95.4	97	98.2	98.5	98.8	87.5?
2	98.8	98.2	99.7	99.9?	?	?	?	?	93.6	79.4	67.5	64.4	62.1	62	63.4	65.2	71	77.7	83.6	87.4	92.4	96.2	98.6	99.3	83?
3	?	?	?	?	?	?	?	98.7?	93.4	83.7	75.6	68.5	64.5	60.9	57.3	56.4	61.2	74.5	85.2	90.8	92.2	91.1	92.6	92.2	78.8?
4	94.5	99.1	97.5	88.8	84.9	83.2	79.5	80.2	75.1	66.1	58.7	60.8	56.6	56.6	54	55.2	63.4	71.5	79.4	86.4	91.3	94.2	95.6	98?	77.9
5	?	?	?	?	98.3?	94.5	87.8	73.1	50.6	39.3	35.5	33.4	32.2	32.5	32.8	32	30.3	35.8	39.7	41.7	45.4	50.3	53.7	59.4	49.9?
6	62.4	65.1	72.1	76.2	72.8	64.7	69	69.8	64	61.3	57	52.3	48.4	44.9	41.2	39.2	38.9	43.5	47.3	50.2	50.7	51.9	53	55	56.3
7	53.9	56	60.1	60.2	62.5	62.4	61	57.1	49.9	39.7	36.2	32.4	28.2	25.3	25.5	25.9	28.1	33.9	40.5	42.9	43.8	43.9	47.7	50.7	44.5
8	55.7	59.3	65.3	67.5	68.6	72.6	78.1	76.9	75	75.1	65.1	57.3	51.6	41.9	49.5	55	68.7	72.6	81.8	69.8	67.7	70.8	73.5	77.9	66.6
9	76.4	72.8	74.2	73.6	72	68.8	67.9	62.2	63.5	56	48.4	41.8	37.6	35.9	32.9	33.1	34.5	46.7	61.3	71.5	79.3	88.1	92.1	96.4	62
10	98.8	95.5	98	?	?	?	?	98.4?	92.9	72	47.1	39.7	37.7	35.7	35.8	35.2	39.6	48.2	54	59.5	69.6	74	75.5	75	64.1?
11	71.7	66.9	65.8	70	73.5	77	79.5	76.8	62.4	47.1	42	41.5	42.8	43.1	44.9	50.2	57.2	63.8	69.2	71.9	74.1	80.7	80.9	80.5	63.9
12	77.9	76.5	78.9	77.1	72.7	65.2	61.3	55.6	49.5	47.1	44.2	42.6	41.9	37.6	38.7	49.9	60.8	68.5	73.1	74.9	78.8	81.7	82.4	81.1	63.2
13	84.9	89.4	91.3	90.6	91.9	91.1	92.3	87.7	77.6	69.9	61.8	59	59.2	60.2	61.8	64.8	69.7	76.7	81.7	87.3	91	93.8	95.8	97.6	80.3
14	98.9	97.2	97.2	99.1	?	?	?	99.1?	91.6	82.5	68.3	59.6	53.8	54.2	56.9	57.1	62.3	71.7	76.7	80.1	86.2	96.6	98.9	99	80.3?
15	?	?	?	?	?	?	?	?	?	?	91.1	78.4	72.7	65.2	63.7	67	72.3	84.4	94.8	99	?	?	?	?	78.9?
16	?	?	?	?	?	?	?	?	94.7	82.1	67	60.5	59	56.6	55.5	55.1	58.2	65.9	72.5	78.7	84.7	84.1	80.6	76.2	70.7?
17	80.4	78.5	72.9	76.7	81.4	85.6	90.7	92.1	90.2	85.9	81.4	73.2	73.7	74.3	75.9	84.5	90.9	92.1	92.1	88.2	87.4	90.3	92.9	94.8	84.4
18	96.9	98.2	98.3	99.2?	?	?	?	99.1?	93.8	83.1	72.6	69.6	67	64.9	66.8	70.6	77.2	86.6	93.5	97.3	99.9?	?	?	?	85.3?
19	?	?	?	?	?	?	?	?	?	98.7?	84.8	72	71.5	68.4	64.2	67.6	75.8	84.7	85.9	89.1	92.7	95.7	95.9	98	83?
20	98.6	96.3	95.7	97	99.2?	?	?	?	94.3	86.1	79.6	80	73.3	78.2	80.1	73.8	69.5	69	68.9	67.6	63.1	64	69.3	74.4	79.9?
21	73.6	74.6	75.3	79.3	81.7	84.5	87.4	77.8	60.3	58.3	55	50.3	47.5	46.2	47	47.5	56.3	71.4	77.8	81.6	86	91.3	97.9	97.7	71.1
22	96.6	99	?	?	?	?	?	?	93.8?	68.4	47.9	39.8	41	40.3	36.3	35.4	39.2	55.5	67.5	77.4	82	85.8	90.8	90.5	66?
23	93.1	96.8	99.2?	?	?	?	?	?	81.2?	54.3	47.1	50.1	54.5	50.4	55.5	61.5	64.1	69.6	81.4	97.9	97	98.4	99.7?	?	75.1?
24	?	?	?	99.8?	?	?	?	?	97.3?	91.3	85.5	88.4	89.6	88.5	86.5	83	80.5	82.1	83.6	84.5	85.2	86.9	90	92.5	88?
25	92.5	91.3	91.1	87.4	86.3	90.3	90.5	82.2	79.2	77.2	75.8	86.3	90.6	89.2	91	94.1	95.3	97.1	99.1	99.3	99.7	99.2	99.2	99.7?	91
26	?	?	?	?	?	?	?	?	?	99.3?	97.6	92.9	84.9	83.8	79.4	87.5	97.9	99.8?	?	?	?	?	?	?	91.4?
27	?	?	?	?	?	?	?	?	?	?	?	?	97.9?	95.2	94.7	91.7	93.7	98.6	?	?	?	?	?	?	95.3?
28	?	?	?	?	?	?	?	?	?	?	?	89.2	91.3	88.4	85.7	82.7	88.9	96.8?	?	?	?	?	?	?	89?
29	?	?	?	?	?	?	?	?	?	?	?	96.3?	89.4	80.1	83	86.3	93.6	94.2	94.4	93.2	91.1	93.2	96.4	98.1	91.5?
30	99.7?	99.7?	100?	?	?	?	?	?	97.1	90.2	82.5	76.4	73.8	70	70.5	72.4	75.3	79.3	82.1	85.6	88.2	89.2	90.3	92.3	85?

Avg	84.5	84.8	85.1	83.9	80.4	78.3	78.7	80.4	79.2	72.7	65.4	63.2	62.3	60.4	60.4	61.9	66.3	73.2	76.2	79.6	81.4	83.6	85.7	86.5	76.1?
S D	15.4	15.2	14.2	13	11.4	11.4	11.5	14.7	16.7	17.8	17.9	18.7	19.4	19.6	19.5	19.3	19.8	18.2	16.1	16.2	15.9	15.9	15.5	14.9	13
S/A	0.18	0.18	0.17	0.15	0.14	0.15	0.15	0.18	0.21	0.25	0.27	0.3	0.31	0.32	0.32	0.31	0.3	0.25	0.21	0.2	0.2	0.19	0.18	0.17	0.17
Min	53.9	56	60.1	60.2	62.5	62.4	61	55.6	49.5	39.3	35.5	32.4	28.2	25.3	25.5	25.9	28.1	33.9	39.7	41.7	43.8	43.9	47.7	50.7	44.5
Max	99.7	99.7	100	99.9	99.2	94.5	92.3	99.1	97.3	99.3	97.6	96.3	97.9	95.2	94.7	94.1	97.9	99.8	99.1	99.3	99.9	99.2	99.7	99.7	95.3
n	221	220	199	169	143	144	144	160	257	286	322	339	357	360	360	360	360	350	324	324	306	300	291	277	6576

Data Recovery: 0.0% missing; 23.9% 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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	9.5	9.3	9.7	9.6	9.3	9.1	9.5	10.5	13.2	18.1	22.1	24.5	25	23.9	23.2	23.3	22.8	20.4	18.7	17.6	17	16.3	15.9	15.4	16.4
2	15.2	15	14.7	14.4	14	13.4	13	14.1	17.9	22.2	25.4	27.1	28.1	28.2	27.5	26.8	25.1	22.6	20.8	19.7	18.8	18	17.3	17	19.8
3	16.5	16	15.7	15.6	15.3	15.1	15.1	16.1	19.9	23.6	26	27.9	28.2	27.6	28.9	29	27.6	24.2	21.2	19.5	18.6	17.8	17.3	17.1	20.8
4	17	15.6	14.6	13.7	13	12.2	11.8	12.2	14.3	17.4	19.4	20.5	22	22.3	22.2	21.6	19	15.3	12.7	10.7	9.1	8.3	7.8	8	15
5	8.4	8.7	8.9	8.7	8.2	7	6.3	8.3	11.9	14.3	16	17	17.6	17.7	17.3	16.5	15.1	11.8	9.3	8.5	7.5	7.3	7.2	6.6	11.1
6	5.8	5.3	4.9	4.1	3.6	4.1	4.2	5.4	7.7	9.9	11.9	13.4	14.2	14.8	15.1	15.1	14.1	11.1	8.6	7	6.2	5.6	5.2	4.5	8.4
7	4.2	3.9	3.7	3.7	3.4	3.1	3.1	5.2	9.2	14.2	18.3	21.7	23.9	24.5	24.7	24.2	22.8	19	15.8	14.2	13.6	13.3	12.8	12.2	13.1
8	11.2	10.4	9.3	8.4	8	7.1	6	7.3	12.4	17.2	20.7	23.3	24.4	24.3	24.1	23.5	21.1	17.3	14.3	13	12.9	12.5	12	11.5	14.7
9	11.1	11.2	11.1	10.8	10.3	9.8	9.1	10.3	12.9	15.6	17.3	18.2	18.7	18.9	18.4	17.8	16.4	12.2	8.6	6.8	5.5	4	2.9	2.2	11.7
10	2.2	2.2	2.7	3	2.9	2.8	2.8	4.4	7.9	12.4	16.3	18.9	20.4	21.2	21.6	21.6	20.4	17.6	16	15	14.3	13.9	13.6	13.3	12
11	13.3	13.5	13.6	12.8	11.7	10.8	9.8	10.3	13	16.1	18.3	19.6	20	19.9	19.4	17.8	15.2	12.5	10.8	9.5	8.3	6.2	5	5.2	13
12	5.5	5.3	4.5	4	3.6	3.6	3.7	5.6	8.9	11.6	13.9	15.2	16.1	16.1	15.6	14.9	12.6	9	7	5.8	4.8	4	2.7	2.4	8.2
13	2.2	1.9	1.5	1.5	1.1	1.3	1.4	3.4	7.7	12.1	15.2	17.1	17.9	18	17.5	16.6	14.6	11.7	9.8	8.7	8	7.2	6.9	6.6	8.7
14	6.3	6.9	7.3	7.2	6.7	6.7	6.5	7.7	11.9	16.4	19.4	21.3	22.2	21.7	22.2	21.5	19.6	16.7	14.7	13.2	11.5	10.3	9.3	8.7	13.2
15	7.8	7.6	7.7	7.8	8.2	8.5	8.4	8.8	10	11.9	14.9	18	19.4	20.3	20.3	19.5	18.2	15.5	13.5	12.3	11.5	11	10.5	10.3	12.6
16	10.3	10.2	10.5	10.6	10.5	10.3	9.8	10.8	13.9	17.6	21.4	24.1	25.5	25.5	24.8	24	22	18	14.7	12.5	11.1	10.5	10.2	9.5	15.3
17	9.1	9.1	10.1	11.4	12	12	11.6	11.7	13.7	16.4	18.6	20.1	20.9	20.6	19.4	18.1	16.1	14.4	13.9	13.7	13.5	12.2	11	9.9	14.1
18	8.9	8.1	7.6	7.1	6.6	6.2	6.1	6.9	10.2	14.5	17.7	19.4	20.3	20.8	20.4	19.3	17.3	13.7	11.5	10.1	9.2	8.3	7.5	6.3	11.8
19	5.7	5.3	5.4	5.5	5.6	5.6	6.1	6.7	9.3	12.4	17.3	21.1	22.4	23.3	23	23	21.3	18.9	16.9	16	15.4	15	14.6	14.5	13.8
20	14.6	15.3	15.8	15.6	14.8	13.9	13.4	13.5	14.6	16.6	17.8	15.5	13.4	11.8	10.5	10.1	9.8	9.5	9.2	8	6.3	5.1	3.5	1.4	11.7
21	0.7	0.8	0.1	-0.1	0.2	-0.4	-1	0.6	5.3	9.1	11.8	13.7	14.8	15.1	14.8	13.9	12.2	8.5	6	4.4	3.5	3	1.6	1.1	5.8
22	1.2	1.4	1.3	1.4	1.8	1.7	1.6	3	6.6	10	13.8	16.3	17.6	17.8	17.2	16.8	15.3	11.7	9.3	8.3	7.7	7.4	5.6	4.4	8.3
23	3.7	3.1	3.1	4.4	5	4.8	5	5.6	8.5	13.4	16.4	16.8	17.3	17.6	17	16.3	15.8	15.1	14.3	12.5	12.3	12.8	13.1	13.5	11.1
24	14.1	14.3	14.6	14.9	14.9	14.6	14.6	15	15.1	16.1	19	19.6	19.8	20.1	19.7	19.5	19.1	18.6	18.6	18.3	17.8	17.2	16.6	16.2	17
25	16.1	16.4	16.5	16.9	17.4	16.8	16.4	17.5	19.4	20.9	21.3	20.9	20.2	20.2	20.2	19.8	19.4	18.5	17.6	17.6	17.7	17.8	17.5	16.7	18.3
26	16.2	16	16	16.2	16.6	16.9	17.2	17.1	17.6	20	21.5	23	25	26.2	25.2	23.9	21.1	19.1	17.9	17.2	16.7	16.3	16	15.9	18.9
27	15.9	15.7	15.4	15.2	15	14.9	14.9	15	15.3	15.9	17	18.5	19.7	20.6	20.3	20.6	19.6	17.7	16.5	16.1	16.8	17	16.9	16.7	17
28	16.4	16.4	16.5	16.3	16.2	16.4	16.5	16.7	17	17.5	20.1	24.6	25.9	25.6	25	25	22.8	19.7	17	15.9	15.3	14.8	14.4	13.9	18.6
29	13.5	13.3	13	13.5	13.4	13.3	13.8	14.6	15.4	16.3	18.2	22.5	23.2	24.2	23.6	23	21.6	20.3	20.2	20.1	19.9	19.6	19.1	18.8	18.1
30	18.3	17.8	17.4	17.1	16.9	16.7	16.4	16.5	18.5	20.5	23	25.1	26.2	26.9	26.1	24.9	23.5	22.4	21.7	21.1	20.2	20.1	20.3	20	20.7
Avg	10	9.9	9.8	9.7	9.5	9.3	9.1	10	12.6	15.7	18.3	20.2	21	21.2	20.8	20.3	18.7	16.1	14.2	13.1	12.4	11.8	11.1	10.7	14
S D	5.4	5.4	5.4	5.3	5.3	5.3	5.3	4.8	4	3.6	3.5	3.7	4	4.1	4.2	4.2	4.1	4.2	4.5	4.7	4.9	5.2	5.5	5.6	4
S/A	0.54	0.54	0.55	0.55	0.56	0.57	0.58	0.48	0.32	0.23	0.19	0.19	0.19	0.19	0.2	0.21	0.22	0.26	0.31	0.36	0.4	0.44	0.49	0.53	0.29
Min	0.7	0.8	0.1	-0.1	0.2	-0.4	-1	0.6	5.3	9.1	11.8	13.4	13.4	11.8	10.5	10.1	9.8	8.5	6	4.4	3.5	3	1.6	1.1	5.8
Max	18.3	17.8	17.4	17.1	17.4	16.9	17.2	17.5	19.9	23.6	26	27.9	28.2	28.2	28.9	29	27.6	24.2	21.7	21.1	20.2	20.1	20.3	20	20.8
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	0	0	0.1	0.2	1.1	2.3	3.3	3.1	2.6	2.8	2.3	1.4	1.7	1.6	1.9	1.6	0.8	1	1.2
2	0.7	0.6	0.6	0.1	0	0	0	0	0.6	1.9	2.8	3.3	2.8	3.3	4.2	3.9	3.4	2.5	2.6	2.4	2.2	1.8	1.2	1	1.8
3	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.7	2.1	2.8	3.6	3.3	3.7	3.2	2.3	2.1	1.6	2	2.9	2.3	2.1	1.3	1.2	1.6	1.8
4	1.3	1.2	2.2	2.8	2.4	1.8	1.5	1.9	2.7	3	3.1	2	1.7	2.1	1.5	2.4	2.2	0.7	0.2	0.1	0.4	0.3	0.3	0.5	1.6
5	0.9	1.3	1.3	1.6	1.4	0.9	1.9	2.7	4	5.3	5.1	4.3	4.4	3.9	4.5	4	3	1.5	1.6	1.5	1.9	2.6	2.9	2.3	2.7
6	2.4	2.4	2.3	1.9	2.9	4.8	3.6	3.1	4.3	4.6	3.9	4.1	3.6	3.1	3.5	3.1	2.8	1.6	0.9	1.2	1.3	1.6	1.8	1.8	2.8
7	1.6	1.7	2.2	2	1.5	1.7	2.1	2.2	2.4	1.9	2.2	2	2.5	2.6	1.9	2.4	1.3	0.4	0.6	1	1.4	1.2	1.5	1.4	1.7
8	1	0.9	0.9	0.9	0.9	0.3	0.3	0.3	0.5	1.7	2.3	2.3	3.4	2.7	2	2.8	2.6	1.9	0.7	1.1	1.9	1.9	1.8	1.5	1.5
9	1.8	2.1	2.5	2.4	1.9	1.8	0.9	1.6	3.3	5.3	4.6	4.5	3.5	2.9	3.3	1.9	1.5	0.3	0.2	0.1	0.3	0.1	0.1	0	1.9
10	0.9	0.7	0.6	0.3	0.5	1	0.3	0.4	1.5	2.7	3.8	4.4	4.4	4.5	5.2	4.9	2.9	2.4	2.2	2.5	3.3	3.2	3.1	3.3	2.5
11	4.3	5	4.5	3.4	3.1	2.5	2.1	1.7	2	3.1	4.1	4	3.6	3	2.9	3.8	3.7	2.8	1.8	1.2	0.5	0.3	1.1	2.3	2.8
12	2.4	1.5	1.7	1.6	1.8	2	2.4	2.7	3	3.6	3.1	3.3	2.7	2.9	2.6	2.6	2.7	2.1	1.9	1.5	1.4	0.7	0.6	1	2.2
13	1	0.8	1.2	0.8	1	1.2	1.2	1.5	1.7	1.4	3.7	3.3	3.6	3.5	3.1	3	2.5	1.6	1	1.2	0.9	1.1	1.1	0.4	1.7
14	0.9	1.7	0.8	0.6	0.4	0.1	0	0	0.4	1.6	2.1	2.7	2.8	2.9	2.8	3.3	2.3	1.8	1.9	0.4	0.2	0	0.3	0.4	1.3
15	0.2	0.6	0.9	1.3	1.2	0.7	0.6	0.5	1.2	1.1	1.9	2.7	2.8	3.4	3.4	2.8	2.2	1.6	1.1	1.1	1.5	1	1.3	0.9	1.5
16	1	1.5	1.4	0.7	0.9	0.3	0.9	1.1	1.2	1.9	1.8	2.4	2.2	3	2.7	2.1	1.6	0.2	0	0.2	0.2	0.3	0.3	0	1.2
17	0.4	1.3	2.1	3.1	3.2	3.1	2.8	2.9	3	3.1	4.1	3.7	3.7	4.5	4.3	4.3	4.2	3.5	2.9	3.4	2.9	2.1	1.8	1.2	3
18	1.6	1.7	1.7	0.9	1	1.2	0.8	0.7	1.2	2	3.4	3.2	2.5	2	2.3	2.4	2	1.6	1.3	0.5	0.1	0	0	0	1.4
19	0	0	0.1	0	0	0	0.1	0.4	0.1	0.2	0.3	1.7	2.6	3.1	3.4	2.6	1.9	1.7	1.5	2.1	2.5	1.4	2	1.7	1.2
20	1.5	2.8	2.6	2.3	1.5	1.3	1.9	2.2	2.7	2.7	3.7	5.1	4.8	4	3.8	3.6	2.5	1.7	1.5	1.4	1.3	1.2	0.4	0.3	2.4
21	1	0.3	0.1	0.4	0.6	0.9	1.1	1.3	2.6	2.6	2.7	2.6	1.9	1.3	1.5	1.6	1.1	0.6	0.4	0.4	0	0.2	0	0.5	1.1
22	0.5	0.2	0	0.1	0	0	0	0	0.6	1.6	1.7	1.6	2	2.3	2.4	1.7	1	1.6	1.6	1.9	1.7	0.8	0.2	0	1
23	0	0.3	0.1	0.1	0.3	0	0.1	0.1	0.2	1.1	1.8	1.4	1.5	1.3	0.9	0.1	0.1	1	0.6	2.3	2	1.5	1.2	1.5	0.8
24	0.4	1.1	1.5	1	0.9	1.2	1.9	3.6	4.4	3.3	3.6	3.4	2.7	2.9	3	2.6	2.4	2.9	3.7	4	3.9	3.3	2.8	3.4	2.7
25	2.9	2.9	2.6	3	3.5	4.1	4.3	3.9	4.4	4.3	4.4	3	4.7	4.5	3.8	3.4	2.9	1.8	1.8	1.8	2.7	1.9	1.2	0.3	3.1
26	0.6	1	0.8	0.6	0.8	0.6	0.1	0.2	0.1	0.7	1.8	1.1	0.4	0.7	0.6	2.1	3.1	2.7	2.6	2.2	1.5	1.4	0.7	0.2	1.1
27	0.6	0.4	0.7	0.5	0.3	0.3	0	0.3	0.5	1.2	0.8	0.8	0.7	1.4	1.3	1.4	0.4	1.2	1.1	1.3	1.3	1.7	1.7	2.1	0.9
28	2.4	1.8	2.2	2	1.4	0.6	0.8	1.4	1.4	1.2	0.9	0.6	2.2	2.3	2.4	1.9	1.6	2.3	2	1.8	1.6	1	0.6	0	1.5
29	0.1	0	0	0.2	0.1	0.1	0.7	0.9	0.8	0.5	0.6	0.9	1.3	2.1	1.6	1.9	1.7	1.4	3.1	2.4	2	1.4	2	1.6	1.1
30	1.8	1.8	1.1	0.6	0.6	1	1.4	1.2	2.8	3.8	4.7	5	5.2	5.4	4.9	5.1	4.1	3.4	3.6	3.8	3	3.8	3.4	2.8	3.1
Avg	1.2	1.3	1.3	1.2	1.1	1.1	1.1	1.3	1.9	2.4	2.8	2.8	2.9	2.9	2.8	2.8	2.3	1.7	1.6	1.6	1.6	1.3	1.2	1.2	1.8
SD	1	1.1	1	1	1	1.2	1.1	1.1	1.4	1.4	1.3	1.3	1.2	1.1	1.2	1.1	1	0.9	1	1	1	0.9	1	1	0.7
S/A	0.86	0.85	0.8	0.87	0.88	1.06	0.98	0.88	0.74	0.6	0.48	0.44	0.4	0.36	0.41	0.39	0.43	0.49	0.61	0.63	0.62	0.72	0.76	0.84	0.39
Min	0	0	0	0	0	0	0	0	0.1	0.2	0.3	0.6	0.4	0.7	0.6	0.1	0.1	0.2	0	0.1	0	0	0	0	0.8
Max	4.3	5	4.5	3.4	3.5	4.8	4.3	3.9	4.4	5.3	5.1	5.1	5.2	5.4	5.2	5.1	4.2	3.5	3.7	4	3.9	3.8	3.4	3.4	3.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	245	359	234	216	42	7	20 ?	16	33	333	341	12	28	43	42	44	27	17	12	21	14	23	21	41	26
2	32	51	60	52	121	4	235	338	51	64	88	51	69	37	14	48	46	47	36	46	49	60	85	55	49
3	100	88	82	103	105	113	110	76	123	124	118	141	136	110	111	111	98	269	274	277	278	264	262	289	137
4	274	246	244	255	242	244	247	237	236	254	264	270	266	300	287	299	320	4	2	64	99	65	81	99	264
5	112	127	137	145	173	198	221	244	238	253	248	241	250	231	234	223	227	214	218	219	229	223	234	217	228
6	223	214	219	206	215	225	223	216	232	212	224	209	240	166	191	184	166	175	186	171	160	167	166	164	205
7	160	139	149	150	151	158	156	151	148	136	146	184	187	177	156	145	146	132	101	108	119	123	124	122	149
8	131	141	177	164	165	164	196	231	286	298	355	321	326	33	9	14	14	32	34	78	85	92	89	92	31
9	109	108	121	127	141	166	188	204	233	235	230	241	238	227	233	279	216	311	320	349	338	45	21	112	213
10	104	102	101	129	126	115	115	105	110	109	117	118	105	112	113	108	88	106	96	99	103	91	97	97	106
11	115	127	117	125	129	132	137	158	203	236	243	247	265	260	283	293	289	284	285	279	265	210	236	243	217
12	248	247	235	246	235	246	242	256	251	248	249	247	245	244	247	278	298	301	285	266	262	257	233	239	255
13	241	238	238	225	225	231	233	239	240	269	301	287	300	311	313	312	310	313	307	311	297	298	312	301	288
14	317	323	319	315	326	312	228	267	305	345	2	321	333	325	357	13	13	2	350	20	334	283	222	233	343
15	217	233	238	238	286	265	256	248	264	282	276	290	291	306	306	296	286	272	271	255	278	260	259	263	280
16	260	263	263	257	255	245	235	233	274	272	265	292	276	280	294	297	292	310	344	235	225	226	213	209	274
17	212	205	225	241	239	241	243	244	252	253	266	275	276	267	277	288	285	287	276	284	274	258	275	250	264
18	228	233	243	232	217	223	211	230	252	302	312	312	304	319	332	334	319	314	317	326	311	236	225	220	292
19	185	321	329	254	213	199	181	21	88	78	110	102	118	107	123	57	24	26	64	53	52	66	90	107	80
20	92	99	99	102	92	96	114	121	152	177	228	258	242	249	254	225	263	247	237	247	242	243	229	201	211
21	225	219	185	185	201	202	214	221	244	254	278	280	287	309	339	358	50	57	12 ?	327	13	48	183	110	272
22	95	87	87	103	97	106	101	101	108	113	94	96	44	63	53	72	39	24	17	18	36	19	126	300	57
23	327	284	300	227	257	299	311	270	309	309	331	348	356	322	317	317	327	308	277	307	307	309	301	311	315
24	48	299	320	20	333	14	5	4	8	15	40	41	351	349	357	6	4	9	20	12	7	12	12	5	9
25	17	21	38	30	17	14	6	22	38	36	43	62	54	48	51	50	49	40	37	53	52	46	65	48	37
26	37	42	51	73	73	139	155	104	85	90	126	143	301	288	272	342	305	298	307	313	312	340	349	296	331
27	322	281	294	333	282	301	290	315	333	330	351	354	16	332	341	86	20	26	36	36	51	58	73	86	20
28	91	105	111	123	126	129	105	119	112	117	115	340	324	340	349	324	1	4	356	2	358	351	351	330	39
29	28	50	81	107	7	37	52	79	77	69	81	74	97	76	88	17	4	27	49	55	61	73	61	50	57
30	51	50	54	54	58	58	42	23	58	57	64	83	76	87	68	64	67	66	70	72	81	76	90	73	69
Avg	123	136	156	164	191	203	213	223	229	249	269	275	299	331	335	357	345	347	355	4	21	45	79	85	296
n	360	360	360	360	360	360	355	360	360	359	360	360	360	360	360	360	360	360	355	360	360	360	360	360	8629

Data Recovery: 0.0% missing; 0.1% 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.

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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0.1	0.1	0	0	0.1	0.1	0.2	0.4	0.9	2	4	5.1	4.7	4.6	4.5	3.6	2.3	2.5	2.4	2.8	2.4	1.5	1.6	1.9
2	1.6	1.5	1.2	0.2	0	0	0	0.1	1.4	3.6	4.6	5.4	4.9	5.2	6.4	5.9	5.4	3.9	4	4.1	3.6	3.2	2.2	1.9	2.9
3	1.3	1.2	1.3	1.3	1.1	1.1	1.2	1.7	3.5	4.9	5.8	5.2	5.8	5.1	4.2	3.7	2.8	3.7	4.8	3.9	3.6	2.6	2.4	2.8	3.1
4	2.4	2.2	3.6	4.8	3.9	3.1	2.8	3.3	4.5	5	5.4	3.6	3.3	3.4	2.9	3.6	3.3	1.3	0.8	0.2	0.8	0.8	1	1.2	2.8
5	1.4	1.9	2.1	2.4	2.9	2.2	3.4	4.4	6.3	8.5	8.1	7.5	7.5	7.3	7.4	6.6	5.4	2.6	3	2.5	3.1	3.9	4.6	3.9	4.5
6	4.1	3.9	3.9	3.7	5.1	7.2	6.1	5.7	7	7.5	6.6	6.7	6.3	5.9	6.1	6.2	4.8	3	1.9	2	2.1	2.5	2.7	2.7	4.7
7	2.2	2.4	3	2.9	2.1	2.4	2.8	3	3.9	3.3	3.7	4.2	5	5.3	4	4.3	2.3	0.8	0.9	1.4	1.7	1.4	1.9	1.8	2.8
8	1.6	1.5	1.6	1.7	1.6	1	0.7	0.5	1.3	2.7	3.4	3.5	4.7	4.1	3.6	4.3	3.7	2.8	1.3	2	3.2	2.8	2.6	2.4	2.4
9	2.5	3	3.3	3.4	2.8	3.1	2.1	3	5.9	8.1	7.4	7.3	5.8	5.1	5.4	3.6	3	0.7	0.7	0.2	0.6	0.2	0.2	0.1	3.2
10	1.3	1.2	1.1	0.7	1	1.5	0.8	1	2.8	4.1	6	7.3	7.3	7.4	8.1	7.7	5.2	3.5	3.4	4.2	5.4	5.2	4.9	5.2	4
11	6.5	7.2	6.4	4.9	4.5	3.9	3.1	2.7	3.9	5.5	6.5	6.5	5.8	5.3	4.9	5.7	5.7	4.6	3.2	2.4	1.4	0.8	2	3.3	4.4
12	3.5	2.4	2.6	2.5	2.9	3.5	3.7	4.5	4.7	5.8	5.2	5.4	4.3	4.9	4.4	4.1	4	3.3	2.8	2.7	2.8	1.7	1.2	1.6	3.5
13	1.6	1.4	1.7	1.4	1.7	1.9	2.1	2.4	2.7	2.8	5.8	5.4	5.5	5.3	4.9	4.7	3.8	2.4	1.7	2.1	1.4	1.5	1.5	0.8	2.8
14	1.3	2.2	1.1	0.9	0.7	0.3	0.1	0.1	0.9	2.6	3.3	4	4.1	4.5	4.5	4.8	3.5	2.4	2.6	0.7	0.4	0	0.7	0.7	1.9
15	0.3	0.9	1.4	1.9	2	1.5	1.5	1.2	2.4	2.2	3.1	4.5	4.5	5.2	4.9	4.2	3.3	2.4	1.8	2	2.1	1.6	1.9	1.6	2.4
16	1.6	2.4	2.3	1.7	1.5	1	1.6	2.1	2.4	3.5	3.1	3.9	3.7	4.6	4.2	3.4	2.6	0.6	0.1	0.3	0.4	0.5	0.5	0	2
17	0.8	1.8	3.2	4.5	5	4.7	4.1	4.4	4.7	5.3	6.5	5.9	5.9	6.9	6.7	7.1	6.6	5.6	5.1	5.9	5	3.7	3	2	4.8
18	2.5	2.8	2.7	1.7	1.9	2.2	1.6	1.6	2.3	3.4	5.3	5	3.6	3.4	3.6	3.6	3.2	2.5	1.8	1	0.2	0	0	0	2.3
19	0	0	0.1	0	0	0.1	0.3	0.8	0.5	0.7	1.3	3.2	4.3	4.9	5.3	4.6	2.9	2.6	2.7	3.3	3.9	2.9	3.5	2.8	2.1
20	2.8	4.6	4.3	3.7	2.6	2.5	2.9	3.4	4.6	4.6	6.5	8.3	7.4	6.5	6.1	5.7	4.1	3.1	2.7	2.6	2.4	1.9	1	0.7	4
21	1.7	1	0.6	1	1.2	1.4	1.7	2.4	4.3	4.5	4.6	4.4	3.4	2.7	2.8	2.5	2.2	1.2	0.9	0.7	0.2	0.4	0.1	1	2
22	1	0.6	0.3	0.4	0.4	0	0	0	1.5	2.9	3.1	3.3	3.6	3.9	4	3.2	1.8	2.3	2.2	2.6	2.4	1.2	0.6	0.1	1.7
23	0	0.5	0.3	0.2	0.5	0	0.2	0.3	0.7	2.1	2.8	2.3	2.5	2.1	1.5	0.3	0.5	1.7	1.1	3.3	2.9	2.5	2.3	2.5	1.4
24	1	1.9	2.4	2	1.8	2.3	3.1	5.2	6.2	5.2	5.5	5.3	4.2	4.5	4.5	4.1	3.5	3.9	5.1	5.4	5.3	4.3	3.8	4.6	4
25	4.2	4.3	4.1	4.6	4.9	5.2	5.6	5.8	7	6.9	6.6	4.9	7.4	6.8	6	5.4	4.3	2.9	2.7	3	3.9	3	2.3	0.7	4.7
26	1.1	1.7	1.7	1.5	1.8	1.5	0.7	0.9	0.6	1.7	3.1	2.4	1.3	1.7	1.5	3.1	4.5	4.1	4	3.5	2.6	2.3	1.4	0.9	2
27	1.3	1.2	1.7	1.3	0.9	1	0.2	1	1.4	2.2	1.8	1.7	1.7	2.4	2.4	2.4	0.9	2	2	2.3	2.3	2.7	3.3	3.8	1.8
28	4	3.3	3.5	3.1	2.7	1.6	2	2.5	2.4	2.4	2	1.5	2.9	3.3	3.4	2.7	2.1	3.4	3.2	2.7	2.5	1.9	1.4	0.2	2.5
29	0.4	0.1	0.2	0.5	0.2	0.5	1.5	2.1	2.1	1.4	1.5	2.1	2.4	3.7	2.9	3	2.5	2.5	4.8	4	3.3	2.6	3.4	3	2.1
30	3	3.3	2.2	1.5	1.7	2.1	2.5	2.2	4.2	6	7.5	8.3	8.1	8.5	7.8	8.1	6.5	5.5	5.8	6	4.8	5.9	5.5	4.6	5.1
Avg	1.9	2.1	2.1	2	2	2	2	2.3	3.2	4	4.6	4.8	4.7	4.8	4.6	4.4	3.6	2.8	2.7	2.6	2.6	2.2	2.1	1.9	3
S D	1.5	1.5	1.5	1.5	1.5	1.7	1.6	1.7	2	2.1	2	1.9	1.8	1.6	1.7	1.7	1.5	1.3	1.5	1.6	1.5	1.5	1.4	1.5	1.1
S/A	0.77	0.74	0.69	0.74	0.76	0.86	0.82	0.75	0.63	0.52	0.43	0.4	0.37	0.34	0.37	0.38	0.41	0.45	0.56	0.59	0.58	0.66	0.68	0.76	0.37
Min	0	0	0.1	0	0	0	0	0	0.4	0.7	1.3	1.5	1.3	1.7	1.5	0.3	0.5	0.6	0.1	0.2	0.2	0	0	0	1.4
Max	6.5	7.2	6.4	4.9	5.1	7.2	6.1	5.8	7	8.5	8.1	8.3	8.1	8.5	8.1	8.1	6.6	5.6	5.8	6	5.4	5.9	5.5	5.2	5.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Prepared by: Afshin M. Andreas, NREL

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

November 2001

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1027	1026	1026	1026	1026	1026	1026	1027	1028	1028	1028	1027	1026	1026	1025	1025	1025	1025	1025	1025	1026	1025	1025	1026	1026
2	1025	1025	1024	1024	1025	1025	1026	1026	1026	1026	1026	1026	1025	1024	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1024
3	1023	1023	1022	1022	1022	1022	1022	1022	1023	1023	1022	1022	1020	1020	1019	1018	1018	1018	1019	1020	1020	1020	1020	1020	1021
4	1020	1020	1020	1020	1020	1021	1021	1021	1022	1022	1022	1021	1020	1019	1018	1018	1018	1018	1018	1018	1017	1017	1017	1016	1019
5	1015	1015	1015	1015	1015	1015	1016	1017	1018	1017	1017	1016	1016	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1017	1016
6	1017	1017	1017	1016	1017	1017	1017	1018	1018	1019	1019	1019	1018	1018	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1018
7	1020	1020	1020	1020	1020	1020	1020	1021	1021	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020
8	1020	1020	1020	1020	1020	1020	1021	1021	1022	1022	1021	1021	1020	1019	1018	1018	1017	1017	1017	1017	1017	1017	1016	1016	1019
9	1016	1015	1015	1015	1016	1017	1018	1019	1020	1021	1022	1022	1022	1022	1022	1023	1023	1023	1023	1024	1024	1024	1023	1023	1020
10	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1021	1020	1018	1017	1016	1015	1014	1014	1014	1014	1014	1014	1013	1013	1018
11	1013	1012	1013	1013	1013	1014	1015	1016	1017	1018	1018	1018	1018	1018	1018	1019	1020	1021	1022	1022	1023	1024	1024	1025	1018
12	1025	1026	1026	1026	1026	1027	1028	1029	1029	1030	1030	1030	1029	1028	1028	1028	1029	1030	1030	1030	1030	1031	1031	1031	1029
13	1031	1030	1030	1030	1031	1031	1031	1032	1032	1032	1032	1032	1031	1030	1030	1030	1030	1030	1030	1029	1029	1029	1029	1029	1030
14	1028	1028	1027	1027	1027	1027	1027	1027	1027	1027	1027	1026	1025	1024	1023	1023	1023	1023	1023	1023	1023	1023	1023	1022	1025
15	1023	1022	1022	1021	1021	1021	1021	1021	1022	1022	1022	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018	1018	1020
16	1018	1018	1018	1017	1017	1018	1018	1019	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018
17	1019	1019	1019	1020	1020	1021	1022	1023	1023	1024	1024	1024	1024	1024	1024	1024	1025	1025	1026	1026	1027	1027	1026	1026	1023
18	1026	1026	1026	1026	1026	1026	1026	1027	1027	1027	1027	1027	1026	1026	1025	1025	1025	1025	1025	1025	1024	1025	1024	1024	1026
19	1023	1023	1023	1022	1022	1022	1023	1023	1022	1022	1022	1021	1020	1019	1018	1017	1017	1016	1016	1016	1015	1015	1014	1014	1019
20	1013	1012	1012	1011	1011	1010	1010	1010	1011	1011	1012	1012	1012	1012	1012	1013	1014	1015	1015	1016	1016	1017	1017	1017	1013
21	1017	1017	1017	1017	1018	1018	1018	1019	1019	1020	1019	1019	1018	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018
22	1018	1018	1018	1018	1018	1019	1020	1020	1020	1021	1021	1020	1019	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019
23	1019	1019	1019	1019	1020	1020	1020	1020	1021	1021	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
24	1020	1019	1019	1020	1020	1020	1021	1021	1021	1022	1022	1022	1021	1020	1020	1020	1021	1021	1021	1022	1022	1022	1022	1021	1021
25	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020
26	1018	1018	1018	1017	1017	1018	1018	1019	1019	1019	1019	1018	1017	1017	1017	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018
27	1017	1017	1018	1017	1017	1017	1018	1018	1019	1019	1019	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1018
28	1019	1019	1019	1019	1020	1020	1020	1021	1021	1022	1022	1022	1020	1020	1020	1020	1020	1021	1021	1021	1021	1021	1022	1022	1021
29	1021	1021	1021	1022	1021	1022	1023	1023	1023	1024	1024	1023	1022	1021	1021	1021	1021	1020	1020	1021	1021	1021	1020	1020	1022
30	1019	1019	1019	1018	1019	1019	1019	1019	1019	1019	1019	1018	1017	1016	1016	1015	1015	1016	1016	1016	1016	1016	1016	1016	1017
Avg	1020	1020	1020	1020	1020	1021	1021	1021	1022	1022	1022	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1021	1020	1020	1021
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
S/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Min	1013	1012	1012	1011	1011	1010	1010	1010	1011	1011	1012	1012	1012	1012	1012	1013	1014	1014	1014	1014	1014	1014	1013	1013	1013
Max	1031	1030	1030	1030	1031	1031	1031	1032	1032	1032	1032	1032	1031	1030	1030	1030	1030	1030	1030	1030	1031	1031	1031	1031	1030
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640	

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

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

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

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

Prepared by: Afshin M. Andreas, NREL