

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

May 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	39	182	395	592	765	894	962	960	883	763	590	394	183	32	0	0	0	0	0	7635	
2	0	0	0	0	0	34	180	386	587	759	886	957	955	895	768	600	386	171	18	0	0	0	0	0	7583	
3	0	0	0	0	0	40	187	397	599	773	895	954	948	884	764	600	397	189	38	0	0	0	0	0	7665	
4	0	0	0	0	0	39	187	401	599	770	893	956	956	896	775	604	397	190	40	0	0	0	0	0	7702	
5	0	0	0	0	0	36	183	390	588	756	869	933	926	857	719	536	303	75	22	0	0	0	0	0	7194	
6	0	0	0	0	0	24	125	348	440	407	712	910	716	742	769	584	417	180	32	0	0	0	0	0	6406	
7	0	0	0	0	0	38	182	343	525	500	821	957	893	920	799	629	420	202	42	0	0	0	0	0	7270	
8	0	0	0	0	0	37	181	404	574	810	674	929	889	885	759	628	399	213	55	0	0	0	0	0	7433	
9	0	0	0	0	0	50	193	398	609	773	913	727	711	864	682	597	384	198	40	0	0	0	0	0	7139	
10	0	0	0	0	0	38	190	391	595	768	889	931	922	862	704	514	292	178	39	0	0	0	0	0	7315	
11	0	0	0	0	0	36	172	363	571	739	862	893	567	637	509	555	289	171	41	0	0	0	0	0	6404	
12	0	0	0	0	0	41	185	387	590	696 ?	890 ?	925	841	786	538	328	150	29	1	0	0	0	0	0	6385	
13	0	0	0	0	0	16	?	292 ?	?	?	529 ?	726 ?	745 ?	746 ?	826 ?	641 ?	392 ?	212	41	0	0	0	0	0	5166 ?	
14	0	0	0	0	0	49	222	435	564 ?	?	944 ?	999	986	676	317 ?	349	240	209	36	0	0	0	0	0	6026 ?	
15	0	0	0	0	1	51	249	403	307	150	315	329	388	526 ?	?	129	146	71	16	0	0	0	0	0	3084 ?	
16	0	0	0	0	4	83	155	353	567	598	654	725	602	489	522	469	266	113	31	0	0	0	0	0	5632	
17	0	0	0	0	2	23	123	231	528	490	383	393	409	279	325 ?	287	191	76	26	0	0	0	0	0	3766	
18	0	0	0	0	0	6	28	118	96 ?	168 ?	289	703	503	808	633	425	192	64	32	2	0	0	0	0	4065	
19	0	0	0	0	2	39	180	274 ?	?	?	867 ?	939 ?	928	881	759	475 ?	328 ?	227 ?	19	0	881	0	0	0	5919 ?	
20	0	0	0	0	1	20	72	164	149	209	315	296	451	329	275	262	198	93	25	2	0	0	0	0	2861	
21	0	0	0	0	4	31	59 ?	?	?	321 ?	385	402 ?	115	134	122 ?	?	135 ?	100	17	0	0	0	0	0	1826 ?	
22	0	0	0	0	0	16	105	214	411	741	796	803	753	731	577 ?	457 ?	332 ?	114	18	2	0	0	0	0	6069	
23	0	0	0	0	0	15	43	114	249	410	464	748	711	683 ?	685 ?	669 ?	461 ?	108 ?	28	2	0	0	0	0	5389 ?	
24	0	0	0	0	3	32	169	357	578	793	828	954	715 ?	553 ?	757	609	417	225	59	2	0	0	0	0	7051	
25	0	0	0	0	4	55	214	411	608	774	889	932	952	862	795	568	179 ?	82	28	1	0	0	0	0	7352	
26	0	0	0	0	2	73	179	406	425	741	788	548	758	687	251	64	17	83	27	1	0	0	0	0	5051	
27	0	0	0	0	4	37	137	358	612	800	926	973	921	814	670	330	438	169	39	0	0	0	0	0	7229	
28	0	0	0	0	4	65	183	339	418	375	342	125	110	220	304	243	180	137	31	4	0	0	0	0	3082	
29	0	0	0	0	1	14	25	28	53	92	143 ?	214 ?	347	323	321	556	471	202	58	2	0	0	0	0	2851	
30	0	0	0	0	5	61	242	421	578	781	858	904	888	742	456	352	226	123	44	4	0	0	0	0	6684	
31	0	0	0	0	3	52	163	354	504	691	573 ?	980 ?	989 ?	762 ?	521 ?	419 ?	313	142	30	1	0	0	0	0	6497 ?	
Avg	0	0	0	0	1	38	157	329	483	595	693	765	728	689	589	469	302	146	32	1	0	0	0	0	5862	
S/D	0	0	0	0	2	18	59	105	165	234	243	261	253	225	204	160	116	57	13	1	0	0	0	0	1723	
S/A	0	0	0	0	1.33	0.46	0.38	0.32	0.34	0.39	0.35	0.34	0.35	0.33	0.35	0.34	0.39	0.39	0.39	1.55	0.33	0.33	0.33	0.33	0.29	
Min	0	0	0	0	0	6	25	28	53	92	143	125	110	134	122	64	17	29	1	0	0	0	0	0	1826	
Max	0	0	0	0	5	83	249	435	612	810	944	999	989	920	826	669	471	227	59	4	0	0	0	0	7702	
n	0	0	0	0	27	358	349	341	321	316	331	334	356	345	320	330	331	360	354	23	0	0	0	0	0	4799

Daylight Data Recovery: 0.0% missing; 8.2% exceed the 15% QC threshold -- 5229 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

May 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	123	448	634	728	782	813	821	819	790	777	720	633	434	104	0	0	0	0	0	8626	
2	0	0	0	0	0	103	426	599	701	760	798	813	810	803	783	734	596	382	28	0	0	0	0	0	8335	
3	0	0	0	0	0	136	464	644	746	804	826	830	819	798	777	738	639	452	142	0	0	0	0	0	8816	
4	0	0	0	0	0	122	446	646	736	786	811	808	807	807	791	738	620	432	124	0	0	0	0	0	8673	
5	0	0	0	0	0	100	396	583	682	730	720	738	718	690	602	425	205	11	1	0	0	0	0	0	6601	
6	0	0	0	0	0	3	35	215	70	20	128	298	84	261	616	540	562	279	40	0	0	0	0	0	3152	
7	0	0	0	0	0	*	*	*	*	*	597*	616	666	826	803	748	630	434	133	0	0	0	0	0	5454*	
8	0	0	0	0	0	*	*	*	*	*	*	*	463*	570	638	732	582	412	170	0	0	0	0	0	3567*	
9	0	0	0	0	0	*	*	*	*	*	*	90*	310	563	291	468	436	398	123	0	0	0	0	0	2679*	
10	0	0	0	0	0	*	*	*	*	*	*	692*	629*	540*	428	225	278	71	0	0	0	0	0	0	2863*	
11	0	0	0	0	0	*	*	*	*	*	*	*	334*	182	409*	*	*	*	*	0	0	0	0	0	0	925*
12	0	0	0	0	0	?	?	?	?	?	791?	810?	?	*	*	*	*	*	*	0	0	0	0	0	0	?
13	0	0	0	0	0	473	?	274?	?	?	359?	432?	446?	540?	640?	682?	731?	565	190	0	0	0	0	0	0	5333?
14	0	0	0	0	0	?	?	?	?	?	770?	936?	?	?	?	?	?	?	?	0	0	0	0	0	0	?
15	0	0	0	0	?	?	?	?	?	?	23?	114	150	239?	?	135?	?	?	215?	0	0	0	0	0	0	876?
16	0	0	0	0	?	?	?	?	?	?	66	153	107	52	17?	0?	?	33?	?	0	0	0	0	0	0	427?
17	0	0	0	0	?	?	?	?	?	?	?	?	?	62?	76?	58	54	52	197	0	0	0	0	0	0	499?
18	0	0	0	0	*	*	*	?	?	?	69?	?	?	?	?	54?	123	86	35	40	0	0	0	0	0	407**?
19	0	0	0	0	*	*	?	?	?	?	538?	581?	674	803	753?	?	412?	380?	537	430	0	0	0	0	0	5109?
20	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	?
21	0	0	0	0	?	*	?	?	?	?	*	420**?	*	*	?	?	214?	152	164	125	0	0	0	0	0	1074**?
22	0	0	0	0	?	?	?	?	?	?	?	?	?	?	231?	267?	206?	?	?	?	0	0	0	0	0	?
23	0	0	0	0	398	259	97	28?	?	?	?	?	49?	214	413?	650?	529?	111?	?	?	?	0	0	0	0	2747?
24	0	0	0	0	600	?	*	?	?	?	?	?	?	?	?	?	?	?	?	847?	0	0	0	0	0	?
25	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	136?	101?	?	?	?	0	0	0	0	0	?
26	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	*	*	*	*	0	0	0	0	0	?
27	0	0	0	0	*	*	*	*	?	896?	740	845?	?	?	*	*	*	*	?	?	0	0	0	0	0	2482**?
28	0	0	0	0	?	?	?	?	?	?	?	0**?	*	*	106**?	21?	?	?	?	?	0	0	0	0	0	?
29	0	0	0	0	?	?	?	?	*	*	128?	*	?	?	?	?	?	?	?	?	0	0	0	0	0	?
30	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	?
31	0	0	0	0	?	?	?	?	?	?	?	755?	757?	?	?	?	127?	?	?	?	0	0	0	0	0	?
Avg	0	0	0	0	62	165	330	453	610	606	540	559	523	528	502	434	401	288	142	69	0	0	0	0	0	4933**?
S/D	0	0	0	0	174	143	183	243	266	350	311	310	293	278	280	283	229	177	124	203	0	0	0	0	0	3325
S/A	0	0	0	0	2.8	0.86	0.55	0.54	0.44	0.58	0.57	0.55	0.56	0.53	0.56	0.65	0.57	0.62	0.87	2.95	0	0	0	0	0	0.67
Min	0	0	0	0	0	3	35	28	70	20	23	0	49	52	17	0	54	11	1	0	0	0	0	0	0	427
Max	0	0	0	0	600	473	464	646	746	896	826	936	819	826	803	748	731	565	537	847	0	0	0	0	0	8816
n	0	0	0	0	4	85	84	81	72	81	133	154	159	166	167	181	174	180	168	4	0	0	0	0	0	1372

Daylight Data Recovery: 16.4% missing; 47.0% exceed the 15% QC threshold -- 5229 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

May 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	23	65	90	109	121	127	134	137	132	118	106	87	63	22	0	0	0	0	0	1335
2	0	0	0	0	0	23	69	102	121	131	133	134	138	131	116	105	94	63	15	0	0	0	0	0	1375
3	0	0	0	0	0	23	64	90	101	108	114	117	122	122	114	100	84	62	24	0	0	0	0	0	1247
4	0	0	0	0	0	24	66	88	104	117	125	135	139	126	112	101	91	68	27	0	0	0	0	0	1323
5	0	0	0	0	0	24	77	111	134	152	189	191	203	203	212	241	201	67	19	0	0	0	0	0	2024
6	0	0	0	0	0	21	108	244	388	354	559	567	600	449	235	197	133	91	27	0	0	0	0	0	3973
7	0	0	0	0	0	32	122	204	269	323	368	302	189	116	110	105	99	69	25	0	0	0	0	0	2333
8	0	0	0	0	0	28	74	100	144	153	290	338	385	308	196	111	96	88	35	0	0	0	0	0	2344
9	0	0	0	0	0	28	83	117	125	140	191	406	368	311	403	258	158	81	26	0	0	0	0	0	2694
10	0	0	0	0	0	28	91	133	161	163	181	206	216	207	196	208	177	95	30	0	0	0	0	0	2092
11	0	0	0	0	0	30	103	165	196	212	213	252	297	327	303	218	169	102	31	0	0	0	0	0	2616
12	0	0	0	0	0	29	91	132	166	187 ?	190 ?	208	287	317	301	227	126	25	1	0	0	0	0	0	2286
13	0	0	0	0	0	17	55 ?	170 ?	?	?	275 ?	262 ?	315 ?	289 ?	266 ?	202 ?	137	84	25	0	0	0	0	0	2098 ?
14	0	0	0	0	0	26	61	78	84 ?	?	127 ?	121	162	240	232	204	141	61	20	0	0	0	0	0	1555 ?
15	0	0	0	0	1	27	107	237	264	129	269	281	328	438 ?	214	111	126	62	15	0	0	0	0	0	2608
16	0	0	0	0	?	58	130	229	278	415	483	507	518	461	439	353	218	97	27	0	0	0	0	0	4213
17	0	0	0	0	2	20	105	174	226	395	348	337	357	243	274	253	165	66	22	0	0	0	0	0	2986
18	0	0	0	0	0	5	24	101	73	133	253	515	414	480	429	304	163	55	30	1	0	0	0	0	2981
19	0	0	0	0	2	32	106	139 ?	?	?	231 ?	259 ?	243	211	214 ?	267 ?	174 ?	113 ?	16	0	0	0	0	0	2007 ?
20	0	0	0	0	1	17	63	141	129	179	271	254	393	282	235	224	169	80	21	2	0	0	0	0	2459
21	0	0	0	0	3	26	78	?	?	199 ?	329	233 ?	101	116	108	91	115 ?	90	15	0	0	0	0	0	1504 ?
22	0	0	0	0	0	13	95	188	311	303	386	326	350	310	253 ?	326 ?	200 ?	90	16	2	0	0	0	0	3169
23	0	0	0	0	1	13	38	99	220	325	420	537	579	503	290 ?	217 ?	201 ?	99 ?	25	2	0	0	0	0	3569 ?
24	0	0	0	0	3	27	148	134	86	100	169	270	269 ?	282	211	143	119	70	30	2	0	0	0	0	2064
25	0	0	0	0	3	32	83	119	135	143	159	195	163	179	130	172	154 ?	71	24	1	0	0	0	0	1763
26	0	0	0	0	1	61	98	144	266	200	341	366	323	393	227	56	15	73	24	1	0	0	0	0	2588
27	0	0	0	0	4	32	118	213	111	115	133	149	204	211	238	250	173	78	27	1	0	0	0	0	2058
28	0	0	0	0	4	57	149	281	355	333	263	104	92	188	274	210	159	120	29	4	0	0	0	0	2622
29	0	0	0	0	1	12	22	24	46	79	114	227	304	285	278	288	152	84	31	2	0	0	0	0	1949
30	0	0	0	0	4	39	84	123	184	180	253	232	274	323	297	240	169	100	37	3	0	0	0	0	2543
31	0	0	0	0	3	46	128	186	322	363	404 ?	238 ?	258 ?	369	359	310	257	117	26	1	0	0	0	0	3388 ?
Avg	0	0	0	0	1	28	87	145	182	205	255	271	281	276	238	200	146	80	24	1	0	0	0	0	2380
S/D	0	0	0	0	1	13	32	58	93	101	116	127	132	114	91	79	48	20	7	1	0	0	0	0	757
S/A	0	0	0	0	1.34	0.46	0.36	0.4	0.51	0.49	0.46	0.47	0.47	0.41	0.38	0.4	0.33	0.25	0.3	1.51	0	0	0	0	0.32
Min	0	0	0	0	0	5	22	24	46	79	114	104	92	116	108	56	15	25	1	0	0	0	0	0	1247
Max	0	0	0	0	4	61	149	281	388	415	559	567	600	503	439	353	257	120	37	4	0	0	0	0	4213
n	0	0	0	0	26	359	367	342	327	319	339	342	358	353	344	352	339	361	354	23	0	0	0	0	4907

Daylight Data Recovery: 0.0% missing; 6.2% exceed the 15% QC threshold -- 5229 total daylight measurements.

Instrument: Eppley PSP Serial Number: 25819F3 Calibration Factor: 9.070 μV/W/m² Calibration Date: 05/1998

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

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

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

May 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	12	11.9	12.2	12.2	12.3	12.5	13.6	16.2	18.7	20.4	21.6	22.9	24.2	24.6	24.9	25	23.4	22.3	21.5	19.9	18.6	18	17.4	16.8	18.5
2	16.1	15.6	15.1	14.6	14.1	13.9	14.8	17.1	19.6	21.6	23.5	24.3	25.3	25.6	26.2	26.2	25.7	24.6	22.9	21	19.5	18.6	17.9	17.2	20
3	16.8	16.1	15.4	14.9	14.5	14.2	15.3	17.7	20.1	22	23.8	25.8	26.8	26.9	27.2	27.3	27	25.3	23.6	22.1	20.5	19.6	19	18.4	20.9
4	17.9	17.3	16.6	15.8	15.5	15.5	16.6	18.8	21	23.2	25.1	25.9	26.9	27.5	27.9	28	26.7	25.9	24.7	22.6	21.1	20.2	19.8	19.3	21.7
5	18.6	18.1	17.6	17.3	17	16.8	18.1	20.2	22.3	24.1	25.7	27.5	28.5	29.5	30.2	30	29.3	27.4	25	21.2	19	18	17.6	17.4	22.4
6	16.8	16.4	16.3	16.3	16	15.9	16.3	17.1	17.5	17.6	17.8	18.1	17.7	17.6	17.2	16.4	15.6	14.6	13.6	12.8	12.3	12	12	12	15.7
7	12	11.9	11.6	11.6	11.6	11.7	12.3	13.3	14.3	14.6	15.6	16.3	16.5	17	16.8	16.9	16.2	15.4	14.2	13.1	12.6	11.9	11.3	11.1	13.7
8	10.9	11	11	10.7	10.5	10.8	12.2	14.8	17.4	19.4	20.8	21.3	21.6	21.8	21.5	21.3	20.3	19.4	17.9	16.4	15.5	14.9	15	13.9	16.3
9	12.6	12	11.4	10.2	9.9	10.3	12.5	14.9	18.6	21.1	22.2	22.9	22.6	21.8	21.2	20.8	20.5	19.9	18.9	17.4	16.3	14.9	14.1	14.3	16.7
10	14.5	14.2	13.8	13.6	13.2	13	14.6	17.4	20.6	23.5	25.1	26	26.8	27.5	28	26.4	25.3	24.9	23.5	21.6	20.7	20	19.4	19	20.5
11	18.6	18.1	17.7	17.3	17.1	17	17.9	20.2	22.7	24.7	26.5	27.6	28	28.6	29	29.8	29.1	27.5	25.9	24.5	23.5	22.8	21.9	21.1	23.2
12	20.5	19.9	19.3	19.1	18.8	18.7	19.9	21.8	23.7	25.6	27.5	28.4	29.3	29.8	30	29.7	28.4	24	19.4	18.9	18.7	18.8	18.7	18.8	22.8
13	18.6	17.8	17	16.5	15.9	15.3	15	15.6	17	18.1	18.5	19.7	20.2	20.8	21	21	20.7	20.2	19.1	17.5	15.9	14.6	13.4	12	17.6
14	11.4	11.4	11.1	10.5	10	10	12.3	15.5	17.8	18.9	19.8	21	21.3	21.5	19.3	18.5	18.2	17.8	16.8	15.4	14.4	13.8	13.7	13.1	15.6
15	12.7	12.5	12.1	11.6	11.5	12.1	14.3	17.6	17	16.5	17.4	18.1	18.7	20	19.9	19.3	18.9	18.4	17.4	16.4	15.6	14.8	13.8	12.6	15.8
16	11.7	11.1	10.4	10.4	10.5	11.1	12.6	15	17.2	18.8	19	18.6	17.9	17	16.4	15.9	15	13.8	13.1	12.7	12.5	12.5	12.4	12.4	14.1
17	12.5	12.5	12.2	12	12	12	13	14.1	15.6	16.5	16.9	17.1	17.7	17.6	17.2	17.1	16.8	16.3	16	15.5	15.3	15.6	15.7	15.8	15.1
18	15.6	15.2	14.9	14.9	14.9	14.8	15	15.5	16.1	16.8	17.8	20.3	20.9	22.5	23.6	23.9	24	23.7	23.1	21.8	21.3	20.7	20.2	19.9	19.1
19	19.6	19.6	20	20	20	19.9	20.6	22.4	24.6	26.3	28.4	29.8	30.1	29.9	30.2	27	27.1	25.8	22.2	19.8	18.5	18.1	17.8	17.6	23.1
20	17.3	17.2	17.2	17.2	17.5	17.6	17.9	18.6	19	19.3	19.6	20.1	20.3	20	19.5	19.7	19.6	19.2	18.9	18.4	18.2	17.7	17.5	17.5	18.5
21	17.5	17.4	17.4	17.6	17.9	18.8	19.8	21.5	23.6	24.3	23.2	24.6	20.6	21.9	22.3	22.3	23	24.1	23.9	23.6	23.4	23.3	23	22.9	21.6
22	22.8	22.7	22.6	22.5	22.3	22.2	22.2	23	24	25.9	27	27.8	29	29.7	30.2	30.3	29.7	28	26.5	25.5	24.4	19.5	19.4	19.6	24.9
23	19.8	19.7	19.7	19.5	19.3	18.9	18.9	18.6	18.9	19.9	20.9	22.4	23.4	23.6	23.5	23	22	21.1	20.3	19.4	18.8	18.4	17.5	16.9	20.2
24	16.6	16.1	16.1	16.1	15.5	15.4	15.4	16.7	20.9	23.6	24.9	25.6	25.8	24.7	24.4	24.7	24.2	23.5	22	20.8	20	19	18.6	18.1	20.4
25	18.4	17.9	17.7	17.7	17.3	17.5	19.1	20.6	22.2	23.7	25	25.6	25.9	25.6	25.9	27.3	25.9	25.2	24.7	23.9	23.3	23	22.7	22.2	22.4
26	22.1	21.6	21.6	21.5	21.2	21.1	22.1	23.6	24.2	25.1	25.3	25.4	26	26.3	25.4	24.6	19	18.3	19.2	18.5	16.3	16.7	16.7	16.2	21.6
27	16	16	15.3	15.9	15.8	15.6	16.1	17.4	20.1	22.8	24.3	25.4	26.1	26.7	27.1	26.8	27.5	26.7	25.5	24.4	23.7	22.5	20.7	20.1	21.6
28	20.8	20.9	20.9	20.5	20.2	20.4	21.4	22.3	23.4	23.5	23.8	22.3	20.2	19.6	19.7	20.1	19.9	20	19.6	18.9	18.3	17.9	17.9	18	20.4
29	18.2	18.1	18.1	18.2	18.3	18.6	18.9	19.4	19.4	18.6	18.4	19	20.3	21	21.2	22.9	23.9	23.3	22.1	20.5	19.1	18.2	17.6	17.4	19.6
30	17.7	17.7	17.3	17	17	17.1	18.3	19.6	20.5	22.1	23.6	24.5	25.3	25.5	23.9	21.8	20.4	19.6	19.2	18.7	18.3	18.5	18.7	18.6	20
31	18.2	17.5	16.1	15.2	14.6	14.5	16.1	17.5	19	20.1	20.4	21.2	21.8	22.2	21.8	20.5	20.2	19.8	19.1	18.6	18.1	18	17.7	17.1	18.6
Avg	16.6	16.3	16	15.8	15.6	15.6	16.6	18.2	19.9	21.3	22.2	23.1	23.4	23.7	23.6	23.4	22.7	21.8	20.6	19.4	18.5	17.8	17.4	17	19.4
S/D	3.3	3.3	3.3	3.4	3.4	3.3	3	2.8	2.8	3.2	3.5	3.6	3.9	4	4.3	4.3	4.3	4	3.7	3.4	3.3	3.1	3	3.1	2.9
S/A	0.2	0.2	0.21	0.22	0.22	0.21	0.18	0.15	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.18	0.18	0.18	0.18	0.17	0.17	0.18	0.15
Min	10.9	11	10.4	10.2	9.9	10	12.2	13.3	14.3	14.6	15.6	16.3	16.5	17	16.4	15.9	15	13.8	13.1	12.7	12.3	11.9	11.3	11.1	13.7
Max	22.8	22.7	22.6	22.5	22.3	22.2	22.2	23.6	24.6	26.3	28.4	29.8	30.1	29.9	30.2	30.3	29.7	28	26.5	25.5	24.4	23.3	23	22.9	24.9
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 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

May 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	87.2	94.6	99.1	?	?	?	98.2	89.1	74.2	66.7	60	53.4	45.8	44.9	40.6	44.9	50.9	53.9	60	64.2	68.4	72.4	77.6	80	67.9 ?	
2	83.6	86.7	89	91.9	94.9	96.2	94.4	85.1	73.2	65.2	58	54.6	46.9	42.3	39.1	39.6	46.1	53.5	61.3	66.4	72.6	77.6	84.6	86.9	70.4	
3	86.3	88.8	92	95	97.2	98.6	94.5	84.7	72.2	60.9	53.7	48.1	43.4	44.5	39.4	35.3	38.5	49	56.5	55.2	74.6	81.7	86.5	89.6	69.4	
4	91	91.8	94.2	97.3	98.1	97.4	92.5	82.3	71.8	58.6	50	52.3	42.6	36.6	34.2	38.8	54.5	57	51.5	67.8	79.7	82.9	81.3	86.2	70.4	
5	90.8	93.3	96.7	98.6	99.3	99.1	94.4	82.3	70.9	64.6	58	48.5	42.3	40	38.4	42.8	46.3	53.4	61.8	78.3	87.6	91	91.7	93.2	73.5	
6	96.9	95.4	92.1	87.3	86.5	84.1	78.5	74.4	73	72.5	70.1	66.9	70.6	68.4	69.6	71	71.6	74.3	77.9	85.2	86.6	88.2	88.7	89.1	80	
7	89.1	86.2	87.8	89.9	91.1	92	89.8	85.2	80.1	78.5	74.4	70.2	69.9	66.6	68.6	71.1	78.2	82.6	88.3	95.2	97.6	99.3	?	?	83.3	
8	?	?	?	?	?	?	98.9 ?	94.9	86.8	75.6	64	56.9	51.1	50.5	56.5	56.5	57.1	57.4	60.8	70.9	75.2	77.6	77.4	84.1	69.6 ?	
9	91.8	96.4	97.9	99.5 ?	?	98.4 ?	92.8	81.7	63.4	57.3	53.3	51.6	53.5	53.3	54.8	55.7	57.1	59.5	64.7	72.5	75.7	83.5	87.9	89.6	73.6	
10	87.6	93	97	98.7	99.7	99.8 ?	95.6	85	74.8	57.1	42.5	36.3	33.6	31.5	29.6	38.1	41.4	44.9	49.3	62.6	70	75.8	78.1	77.3	66.6	
11	75.9	76.5	78	82.6	88.1	91.6	91.4	84	75.2	68.4	63.1	58.7	54	49	43.8	38.6	41.9	57.4	64.4	68.3	71	71.3	75.8	78.1	68.6	
12	80.3	82.7	84.8	84.8	85.7	86.8	83.4	76.6	69.7	62.8	56.2	56.3	50.1	48.6	47.9	47.6	57.4	79.2	94.7	99.3 ?	?	?	?	?	71.7 ?	
13	98.6 ?	89.5	87.4	82.6	81.8	78.7	75.9	74.4	73.1	70.4	66.7	57.6	53.8	49.3	46.9	45	44.9	44.8	48.5	55.9	65.6	74.1	79	86.6	68	
14	88.8	85.5	83.5	85.3	85.2	85.7	79.5	62.8	51.5	47.9	41.1	34.7	30.7	29	50.8	57.2	57.8	56	58.2	65.2	71.1	74.9	74.6	78.2	64	
15	82.2	84.2	84.1	85.5	89	90.6	85.3	69.1	72.1	71.5	66.4	56.2	51.9	47.7	42.3	44.9	50.1	55.5	63.8	70.6	75.1	79.8	84.9	91.8	70.6	
16	96	97.6	99.5 ?	99.5 ?	99.1	97.4	94.5	87	75.7	72.6	66.6	61.8	68.7	71	73.4	73.8	76.3	80.2	81.5	83.6	82.7	82.1	84	85.2	82.9	
17	85.8	85.8	90.2	90.7	91.8	92	89.1	83.9	77.3	74.9	73.1	73.1	71.5	73.9	78.6	78.8	77.3	78.9	82	85.3	88.7	89.5	90.2	89.9	83	
18	92.9	95.7	98.8	99.7	99.9 ?	?	?	?	99.8 ?	98.7	96.8	89.1	88.8	84.4	83	83.3	84.4	87.3	90.1	94.2	95.8	98.4	?	?	92.7 ?	
19	?	?	?	?	?	?	?	?	94.1	82.4	74.3	65.8	57.7	56.7	58.6	57.7	74.4	72.4	77.7	89.7	96.9	98.5	98.9	99.1	79.6 ?	
20	?	?	?	?	?	?	?	?	98.2	96.7	95.2	94.7	93.2	92.4	94	96	96.1	96.1	97.6	98.9	99.8 ?	?	?	?	96.1 ?	
21	?	?	?	?	?	?	?	?	99.5 ?	96.8	93.7	95.1	88.5	?	99.1	96.5	97	98.4	96.1	95.9	97.5	97.6	97.8	98.6	99.3	96.7 ?
22	99.3	98.5	98.7	98.7	98.9	99.3 ?	97.7	94.6	93.8	86.7	80.5	76.4	71.9	64.5	62.3	60.9	65.9	79.3	85	88.8	92.7	98.6 ?	?	?	86 ?	
23	99.8 ?	?	?	?	?	?	98.3	90.1	81.4	77	72	64.6	61.8	62.2	64	69.4	73.3	76.5	80.5	87.2	91	95	98.8	?	80.2 ?	
24	?	?	?	?	?	?	?	?	?	75.6	56.4	51.2	43.8	43.6	51.7	55.2	53.2	53.4	53.2	56.4	58.3	66.2	71.4	77.2	79.6	59.1 ?
25	80	97.5 ?	?	?	?	99.6 ?	96.8	90.8	80.7	74	59.9	64.2	66.8	68.2	71	54.4	64.2	71.1	70.5	72.8	76.7	81.1	85.4	91.3	77 ?	
26	91.5	92.6	91.7	93.6	95.9	96.4	92.9	82.9	75.5	70	69.4	71.1	67.6	63.9	62.7	68.4	90.1 ?	98.9 ?	98.7 ?	?	98.6 ?	?	?	?	83.6 ?	
27	?	?	?	?	?	?	?	?	93.4 ?	77.7	63.5	55.1	49.6	49.4	48.1	48.7	47.7	51.2	59.1	66.1	73.5	81.4	90.8	95.4	65.7 ?	
28	91.9	90.5	90.5	92.1	95.8	98.5	97.2	94.7	85.9	80.1	78	85	93.7	95.3	92.4	89.6	92	92.6	94.9	97.7	99.4 ?	?	?	?	91.8 ?	
29	?	?	?	?	?	?	?	?	?	98.8	98.4	97.2	93.8	90.9	90.9	82	68.6	71.2	81.6	90.2	97	98.9 ?	?	?	89.2 ?	
30	?	?	?	?	97	94.9	90.5	82.7	80.6	73.7	68.6	59	53.9	52.2	64.5	72.8	68.1	67.2	65	66	66.6	65.6	63.3	61.5	70.7 ?	
31	62.2	66.8	77	88.9	90	90.9	81	67.5	59.6	51.5	50.7	52.4	52.4	51.6	56.1	60.5	63.1	65.8	69.7	73.6	76.2	75.9	77.1	80.9	68.4	
Avg	88.2	89.5	91	92.1	93.3	93.7	91	84.4	77.9	72	66.5	62.4	59.1	59.1	59.8	61	64	68.5	72.9	77.9	81.8	83.9	84	86	76.5 ?	
S D	8.5	7.6	6.8	6.1	5.7	5.9	6.8	9.2	10.9	13	15	15.7	17.1	18.7	18.7	17.9	16.9	16.1	15.8	14.2	11.6	10.3	8.7	8.5	10	
S/A	0.1	0.08	0.07	0.07	0.06	0.06	0.08	0.11	0.14	0.18	0.23	0.25	0.29	0.32	0.31	0.29	0.26	0.24	0.22	0.18	0.14	0.12	0.1	0.1	0.13	
Min	62.2	66.8	77	82.6	81.8	78.7	75.9	62.8	51.5	47.9	41.1	34.7	30.7	29	29.6	35.3	38.5	44.8	48.5	55.2	65.6	65.6	63.3	61.5	59.1	
Max	99.8	98.5	99.5	99.7	99.9	99.8	98.9	99.5	99.8	98.8	98.4	97.2	93.8	99.1	96.5	97	98.4	98.9	98.9	99.8	99.4	99.3	98.8	99.3	96.7	
n	261	260	244	225	227	228	277	313	346	370	372	372	360	370	372	372	368	364	367	341	332	314	274	264	7598	

Data Recovery: 0.0% missing; 14.9% 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

May 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	9.7	9.7	10	10.5	10.8	11	12.7	16.1	19.5	22.1	24.1	25.4	26.6	27.3	27.6	28	26.9	25	22.8	20.1	18.2	17.3	16.5	15.9	18.9
2	15.1	14.4	14	13.3	12.7	12.6	14.4	17.4	20.6	23.4	26	27.6	27.9	27.8	28.7	29.2	28.6	27.2	24.4	21.4	19.3	17.9	17	16.2	20.7
3	15.7	15.2	14.3	13.8	13.4	12.9	14.7	18	21.1	23.7	26.3	28.9	29.8	29.9	30.1	30.1	29.8	28	25.6	22.5	20.4	19.1	18.3	17.6	21.6
4	17	16.5	15.8	14.8	14.3	14.3	16.1	19.1	22	25	27.7	29	29.1	29.6	30.4	30.8	30	28.2	26.4	23.4	21.1	19.7	18.9	18.4	22.4
5	17.8	17.2	16.7	16.3	16	15.8	17.4	20.4	23.3	25.9	28	29.9	30.5	31.4	32.8	33.4	32.4	30.2	26.8	23.5	20.4	18.6	17.8	17.6	23.3
6	17	16.3	15.9	15.6	15.3	15	15.6	17.3	18.8	19.2	19.6	20.8	20.8	20.3	19.9	19.3	18.3	17	14.9	13.1	11.9	11.3	11	11	16.5
7	11.1	11	10.5	10.3	10.5	10.8	11.9	13.7	15.8	16.6	17.8	19.3	19.2	19.1	19.5	19.6	19.2	18.1	15.9	13.3	11.9	11.1	10.5	10.2	14.5
8	10	9.9	9.8	9.6	9.4	9.7	11.3	14.7	18.4	21.8	24.3	24.9	25.6	25.4	25.2	24.9	23.7	22	19.7	16.7	14.7	13.4	13.1	12.3	17.1
9	10.7	10.1	9.7	8.7	8.1	8.2	10.9	14.7	19.6	23.9	26.1	27.6	27.2	25.6	25.7	25	24.3	23.1	20.8	17.8	15.6	13.9	13.1	12.9	17.6
10	13	13	12.7	12.5	12.2	12	13.7	17.5	21.3	25.2	27.7	29.3	29.8	30.2	31	30.3	28.1	26.8	25	22	20.1	19	18.4	17.9	21.2
11	17.4	17	16.5	16.2	15.9	15.9	17.4	20.5	23.9	27.2	29.4	31.1	31.4	30.8	31.2	31.8	31.5	29.7	27.5	25.1	23.4	22.4	21.4	20.6	24
12	19.9	19.3	18.6	18.1	17.8	17.7	19.4	22.2	25	27.7	29.5	31.1	31.6	31.5	32.1	31.4	30.4	24.7	20	18.8	18.6	18.6	18.6	18.5	23.4
13	18.3	17.4	17	16.4	15.8	15	15.1	16.3	18.7	20.7	21.7	22.8	23	23.5	23.7	23.8	23.2	22.2	20.2	17.2	14.7	12.5	10.9	9.8	18.3
14	9.5	9.2	8.9	8.4	7.8	7.9	10.8	15	18.6	21.3	23.1	24.2	24.1	24	22.8	20.8	20.2	19.6	18	15	13	12	11.1	10.9	15.7
15	10.4	10.4	9.8	9.5	9	9.6	12.9	17	19	17.8	18.3	19.4	20.2	21.6	21.7	20.7	19.8	19.2	18	16.5	15	13.8	12.5	11.2	15.6
16	10.2	9.6	8.8	8.5	8.6	9.1	11	13.7	17.7	20.2	21.5	21.8	21.2	20.2	19.3	19	17.8	15.7	14	12.9	12.6	12.4	12.1	12.1	14.6
17	12.1	12	11.9	11.8	11.7	11.7	12.6	14.2	16.9	19	19.6	19.9	20.8	20.7	19.4	19.2	18.9	17.8	16.9	15.8	15.1	15.3	15.5	15.6	16
18	15.6	15.3	15	14.9	14.8	14.7	14.9	15.4	16.1	16.7	18	22	23.2	25.3	26.6	27.1	26.5	25.4	24.4	22.7	21.5	20.4	19.8	19.3	19.8
19	19	18.8	19.2	19.4	19.5	19.4	20.3	22.9	26	28.5	30.5	32.3	33	32.9	33.5	31.9	30.3	29.2	25.6	21.8	19.9	18.8	18.1	17.7	24.5
20	17.2	16.9	16.9	17.1	17.2	17.3	17.6	18.5	19.4	20.2	21	21.8	22.7	22.8	22.3	21.9	21.8	20.9	20	19.1	18.6	18.1	17.8	17.6	19.4
21	17.5	17.3	17	17.2	17.5	18.1	19.1	21.2	23.9	25.6	24.5	26	22.3	21.6	22.2	22.6	22.9	23.7	23.8	22.9	22.8	22.6	22.5	22.5	21.5
22	22.3	22.1	21.9	21.8	21.8	21.9	22.1	23.2	24.9	27.6	29.2	30	30.9	31.4	32.1	32.1	31.5	30.4	27.8	26.3	25	21.2	19.5	19.2	25.7
23	19	18.9	19	18.8	18.7	18.6	18.7	18.8	19.5	21.1	22.9	24.8	26.6	27.2	27.1	27.2	26	23.6	21.4	19.5	18.2	17.5	16.6	15.9	21.1
24	15.5	15.4	15.6	15.9	15.7	15.5	15.9	18	22.6	26.4	28.8	29.8	30.4	28.9	27.3	27.8	27.2	26.1	24.1	21.3	19.6	18	17.1	16.5	21.7
25	16.5	16.4	16.5	16.3	16.1	16.2	18.2	21.1	23.8	26	28.1	28.7	28.8	28.1	28.1	29	27.6	26.3	25.2	24.1	23.3	22.8	22.4	21.7	23
26	21.4	20.9	20.8	20.7	20.5	20.2	21.8	24.6	26.4	27.7	28.9	28.4	28	28.5	27.4	25.8	22.1	18.7	18.6	18.3	17	16.4	16.4	15.6	22.3
27	15.4	15.3	14.6	14.9	15.6	15.6	16.1	17.8	21.9	25.1	26.9	27.8	27.9	28.3	28.9	28.5	28.7	28.3	26.4	24.5	23.5	21.7	20.7	19.3	22.2
28	19.2	19.6	19.7	19.5	19.1	19.3	20.7	22.6	24.3	25.2	25.6	24.1	20.7	19.7	19.4	20.8	20.8	20.8	20.2	19.1	18.1	17.4	17.2	17.2	20.4
29	17.3	17.4	17.5	17.6	17.7	17.9	18.3	18.7	19.2	18.5	18.4	18.7	20.6	22.4	22.9	24.7	26.6	25.9	23.8	20.9	18.3	17.1	16.4	16.1	19.7
30	16.4	16.5	16.5	16.2	15.7	15.6	17.6	20.4	22.2	24.8	26.9	28.2	28.5	28.6	27.9	25.6	23.3	21.6	20.1	18.5	17.6	17.6	17.9	17.9	20.9
31	17.3	16.3	14.7	13.5	13.1	12.9	14.5	17.1	20	21.9	23.5	24.8	25.1	25.6	25.9	24	22.5	21.6	20	18.7	17.9	17.6	16.9	16	19.2
Avg	15.6	15.3	15	14.8	14.6	14.6	15.9	18.3	21	23.1	24.6	25.8	26	26.1	26.2	26	25.2	23.8	21.9	19.8	18.3	17.3	16.6	16.2	20.1
S D	3.6	3.6	3.6	3.7	3.8	3.7	3.3	3	2.9	3.5	3.9	4	4.1	4.1	4.4	4.4	4.4	4.2	3.8	3.6	3.5	3.4	3.4	3.4	3
S/A	0.23	0.23	0.24	0.25	0.26	0.25	0.21	0.16	0.14	0.15	0.16	0.15	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.2	0.2	0.2	0.21	0.15
Min	9.5	9.2	8.8	8.4	7.8	7.9	10.8	13.7	15.8	16.6	17.8	18.7	19.2	19.1	19.3	19	17.8	15.7	14	12.9	11.9	11.1	10.5	9.8	14.5
Max	22.3	22.1	21.9	21.8	21.8	21.9	22.1	24.6	26.4	28.5	30.5	32.3	33	32.9	33.5	33.4	32.4	30.4	27.8	26.3	25	22.8	22.5	22.5	25.7
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 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

May 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	1.2	1.2	1.5	1.5	1.5	1.5	1.3	2.7	4	3.4	3.4	3.1	2.2	2.6	3	3	4.3	3.8	2.5	2.4	2.4	2.9	2.7	2.4	2.5
2	1.6	1.9	1.9	1.3	1.6	1.4	1.6	2.7	3.5	3	2.5	2.9	3.1	3.5	2.5	3	3.5	3	2.6	2.5	1.9	2.3	2	1.8	2.4
3	2.2	1.7	1.6	1.9	1.3	0.8	1.8	3	3.6	3.1	2.4	1.6	1.7	2.6	3	2.9	3	3.7	3.1	2.4	2.6	2.8	2.4	2.5	2.4
4	2.5	2.4	1.9	1.1	1.6	2.2	2.3	3.3	3.4	2.9	2.4	2.8	3.3	2.8	2.7	3.1	3.7	3.1	3.8	2.6	2.5	2.5	2.7	2.7	2.7
5	2.7	2.3	2.3	2.3	2.3	2	2.8	3.5	3.5	3.7	3.3	3.3	3.3	2.6	1.8	2.2	2.3	2.5	3	3.7	3.3	3	3.1	3.4	2.8
6	4.3	4	4.1	3.5	3.1	3.4	4.5	5.5	6.4	6.5	6.6	6.9	6.6	6.4	7.3	7	7.1	6.1	5	4.2	3.7	3.4	3.9	3.5	5.1
7	3.3	3.5	3.6	3.7	3.7	3.9	4.4	4.8	4.7	4.7	4.6	4.8	4.7	4.8	4.8	4.2	3.8	3.6	3	2.1	1.7	1.9	2.2	1.9	3.7
8	1.9	1.8	1.8	1.6	1.6	1.7	2.1	2.5	2.2	2.6	1.9	2.5	2.7	3.3	3.7	3.8	4.5	4	3	1.9	1.5	1	1.2	0.3	2.3
9	0.3	0.7	0.3	0.1	0.1	0.1	0.8	1.2	0.9	1.2	1.6	1.6	3.1	4	3.4	2.8	2.7	2.6	1.8	0.7	0.3	0.5	1	1.8	1.4
10	1.7	2	1.7	1.9	1.7	1.4	1.8	2	2.1	2.5	2.7	2.2	2	2.2	1.7	3.8	3.5	2.8	2.1	1.8	1.5	2	2.2	2	2.1
11	1.9	1.8	1.9	1.5	1.8	1.8	1.6	2.2	2.5	2.4	2.2	2.3	2.7	3	3.3	3.2	3	3.7	3.3	2.9	3.1	3	2.7	2.8	2.5
12	2.7	2.4	1.9	1.9	2	1.9	2.9	3.4	3.4	3.7	4	3.6	5	4.4	4.5	3.7	3.6	3.9	2.3	1.8	1.3	1	1	0.2	2.8
13	2.8	3.2	2.8	2.7	2.2	2.6	2.9	3.4	4	3.4	2.6	2.8	2.8	2.6	2.9	3.1	3.1	2.6	1.6	1	0.2	0.3	0.2	1	2.4
14	1.2	1.4	1.2	1.1	1.2	1.4	1.4	2.2	2.3	1.8	2.3	2.4	3.1	2.5	3.3	3.4	3.1	2.9	1.9	0.6	0.8	0.6	1	1.1	1.8
15	1.5	1.1	1.2	1.1	1.2	1.7	2.4	1.9	2.1	1.3	1.5	2.2	2.2	2.7	3.7	1.8	1.6	1.4	1.5	1	0.6	0.5	0.5	0.9	1.6
16	1	0.7	0.7	1.3	1.3	1.9	1.9	0.8	2.2	2.6	3.6	3.9	3.8	3.6	3.5	4.2	3.8	4	3.7	2.6	2.5	2	2.3	2.1	2.5
17	1.5	0.6	0.6	0.8	1.2	1.2	1.3	2.6	2.8	2.6	2	1.5	1.7	2.3	3	2.8	2.6	2.8	2.1	1.7	1.1	1.6	1.1	1	1.8
18	1.3	2.5	1.4	0.4	0.1	0	0.2	1.4	1.7	1.9	2	2.5	2.3	2.4	2.7	2.7	2.2	1.4	1.9	0.7	0.3	0.5	0.7	0.6	1.4
19	0.6	0.9	0.7	1.5	1.5	1.4	2.2	3	3.3	3.9	3.7	3.9	3.9	3.4	3.1	3.7	2.1	2.7	2.9	3.2	3.1	2.3	1.3	1.7	2.5
20	1.9	2.3	2.2	1.9	2.5	2.2	2.6	2.8	3.1	3.2	2.9	2.6	3.3	3.2	2.8	3	2.8	2.6	2.4	1.5	1.8	2	1.2	0.7	2.4
21	0.9	0	0.1	0.1	0.2	0.3	0.6	1.4	2.5	3.2	2.8	4.6	1.9	0.9	3.1	2.4	2.4	2.5	2.7	2	2.6	2.7	2.7	3	1.9
22	3.3	3.5	3.3	3.3	3.3	2.4	2.5	2	3.2	4.6	4.9	4.8	4	4.5	4.2	3.7	4.1	3.6	3.4	3.1	3.8	1.9	1.1	1.8	3.4
23	1	0.4	0.2	0.4	1.1	1.3	1.4	2.1	2.1	2.2	2.7	2.9	2.4	2.7	2.9	3.8	3.2	2.7	2	1.8	1.9	1.7	0.7	0.4	1.8
24	0.6	0.7	0.5	0.5	0.1	0.3	0.1	0.4	0.7	1.1	0.9	1.5	1.7	3.1	3.7	3.8	3.7	3.4	3.1	2.6	1.8	0.7	0.9	1.1	1.5
25	1.3	1.3	0.9	0.8	1.1	1.9	2.5	3.1	3.4	3	3.3	3.7	4.8	5.3	5.7	5.7	4.8	3.3	2.8	2.2	2.5	2.7	2.6	2.5	3
26	2.1	2.1	1.9	1.5	1	0.6	1.3	2.5	3.2	3.6	4.5	4.7	5.3	6.1	5.3	3.7	3.5	1.6	1.6	2.2	2.6	0.6	0.4	0	2.6
27	0.4	0	0.1	1.7	1.7	1.3	0.1	0.8	1.9	2.6	3.4	4.1	4.4	3.9	4.7	4.2	4	3.8	2	1.7	1.5	1.7	1	1.3	2.2
28	2	2.5	2.7	2.6	2.1	2.2	3	2.9	3.1	2.4	2.9	3.6	1.5	1.1	2.7	2.2	2.8	3.1	2.3	1.5	1.4	0.8	0.7	0.6	2.2
29	0.8	1.1	0	0.2	0.1	0.2	0.5	1.3	1.8	2.6	2.1	1.3	1.5	1.6	2.2	1.4	2.1	2	1.3	0.1	0.1	0.1	0.2	0.9	1.1
30	1.2	1	1.3	1.3	1.4	1.3	2	3.2	3	2.5	2.1	2	2.2	3.1	3	4.1	3.7	3.5	2.4	2.3	2.3	1.8	1.1	1	2.2
31	1.1	0.1	0.1	0.7	0.9	1	1.4	2.1	2.9	2.7	2.7	2.5	2.2	1.7	2.8	3.2	3.2	2.5	2.3	1.4	1.9	2.1	1.3	0.8	1.8
Avg	1.7	1.6	1.5	1.5	1.5	1.5	1.9	2.5	2.9	2.9	2.9	3.1	3.1	3.2	3.5	3.4	3.3	3.1	2.6	2	1.9	1.7	1.5	1.5	2.3
S D	0.9	1.1	1.1	1	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.2	1.1	1	0.9	0.8	0.9	1	0.9	1	1	0.8
S/A	0.55	0.65	0.72	0.64	0.6	0.59	0.57	0.44	0.38	0.37	0.39	0.4	0.41	0.4	0.34	0.32	0.31	0.3	0.31	0.45	0.53	0.56	0.61	0.62	0.33
Min	0.3	0	0	0.1	0.1	0	0.1	0.4	0.7	1.1	0.9	1.3	1.5	0.9	1.7	1.4	1.6	1.4	1.3	0.1	0.1	0.2	0	0	1.1
Max	4.3	4	4.1	3.7	3.7	3.9	4.5	5.5	6.4	6.5	6.6	6.9	6.6	6.4	7.3	7	7.1	6.1	5	4.2	3.8	3.4	3.9	3.5	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

May 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	289	297	299	303	314	312	304	322	328	318	331	295	299	269	255	235	210	228	238	271	278	293	293	298	284
2	301	306	304	290	309	309	308	322	343	334	296	276	273	250	252	251	225	222	255	260	265	280	289	304	281
3	311	302	303	319	312	302	324	332	334	344	339	272	293	266	242	258	240	220	238	259	271	286	290	301	287
4	312	317	309	311	317	326	322	321	332	320	301	236	241	278	264	266	212	233	245	270	278	275	286	301	283
5	297	311	314	302	300	301	304	322	315	332	352	298	316	354	346	264	267	149	145	111	108	119	121	118	323
6	141	143	144	152	126	131	142	142	149	140	151	152	138	152	133	133	151	152	139	134	125	124	126	112	141
7	131	123	125	126	123	140	123	140	122	139	140	141	131	146	131	129	127	119	126	122	90	95	94	91	128
8	95	88	95	84	85	94	113	131	156	153	166	172	202	187	172	176	193	179	179	161	166	177	166	86	157
9	93	77	65	57	45	55	44	65	72	122	97	133	149	151	147	171	184	183	184	203	210	315	319	331	148
10	334	351	356	350	345	340	11	22	41	61	99	73	88	40	88	213	216	199	205	241	259	273	288	298	343
11	296	298	303	306	308	303	307	306	323	316	275	273	301	286	304	286	259	265	272	275	284	289	292	290	290
12	288	301	292	298	298	305	314	319	323	304	307	298	317	317	310	307	295	347	137	218	287	6	11	34	309
13	73	75	83	69	60	68	78	86	90	106	69	85	46	49	35	72	49	52	78	63	70	62	359	335	69
14	347	8	18	35	43	43	70	93	127	127	40	37	8	30	186	187	161	179	165	209	229	249	254	285	100
15	298	306	322	324	331	339	327	344	94	78	54	42	35	22	1	32	34	25	9	11	43	46	44	350	11
16	22	32	37	54	46	70	80	78	131	131	151	156	167	157	150	148	150	148	144	141	126	143	152	132	137
17	138	126	32	49	98	92	137	147	155	166	170	215	189	161	180	188	186	209	212	227	204	211	208	217	176
18	272	227	241	236	242	245	203	237	243	249	240	274	284	270	263	260	264	248	222	199	196	150	142	188	249
19	250	262	250	253	276	307	324	354	344	354	5	32	43	39	61	124	135	153	160	155	170	151	123	161	60
20	179	173	166	171	175	185	164	163	176	155	152	143	160	141	154	141	128	151	146	116	100	130	106	223	154
21	232	200	75	71	192	227	284	289	281	287	292	291	286	262	234	240	218	239	262	247	262	269	270	284	266
22	295	291	291	294	317	344	328	306	301	319	300	306	287	294	306	273	285	261	283	277	313	274	307	297	297
23	325	305	330	15	7	32	40	71	80	117	120	120	129	157	136	155	161	148	150	151	158	161	151	116	129
24	86	52	72	123	50	337	21	63	88	147	39	3	330	182	193	177	180	181	185	201	215	234	230	202	183
25	195	193	196	183	182	200	195	221	217	213	225	214	197	204	192	214	226	233	252	248	239	257	238	232	217
26	227	224	224	232	236	210	218	244	257	244	240	217	219	216	223	228	14	188	161	71	206	158	185	27	225
27	4	243	304	317	337	316	298	253	287	287	289	303	322	307	299	308	304	297	293	277	310	291	283	253	301
28	276	275	292	286	287	295	314	318	331	310	334	0	12	34	236	291	304	343	327	320	305	290	289	316	311
29	331	305	357	269	208	266	291	283	345	12	345	359	345	291	293	357	96	115	155	166	245	276	295	317	339
30	337	328	327	316	323	302	321	8	10	44	66	43	3	357	152	169	147	146	157	159	165	172	180	183	92
31	193	189	78	81	90	80	86	102	108	139	139	151	158	176	184	209	212	213	210	181	195	204	218	198	170
Avg	285	293	300	312	336	346	353	349	353	334	298	248	252	221	206	204	200	194	195	202	221	231	241	272	233
n	372	372	372	372	372	371	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	371	8926

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.

Prepared by: Afshin M. Andreas, NREL

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

May 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	1.7	1.6	2	2.1	2.2	2	2.2	4.1	6	5.4	5.4	5	4.2	4.5	4.9	5.1	6.2	5.4	4	3.9	4	4.4	4	3.3	3.9
2	2.3	2.6	2.6	2	2.2	2.1	2.5	4.2	5.2	4.8	3.9	4.9	4.8	5.4	4.2	4.5	5.2	4.4	4.1	4.2	3.3	3.7	3.3	2.7	3.7
3	3.1	2.5	2.3	2.6	2	1.5	2.8	4.4	5.2	4.9	4	2.9	3.4	4.5	4.4	4.6	4.6	5.4	4.6	4.2	4.1	4.3	3.7	3.5	3.7
4	3.3	3.1	2.6	1.7	2.1	2.9	3.5	5	5.1	4.6	3.9	4.4	5	4.5	4.4	4.9	5.6	4.6	5.8	4.4	4.2	4.2	4.3	4.1	4.1
5	4.1	3.6	3.3	3.2	3.3	2.9	4.3	5.2	5.2	5.6	5.4	5.1	5	4.7	3.4	3.8	3.6	4.1	5	6.4	5.7	5.1	5.3	5.8	4.5
6	7.1	6.6	6.4	5.8	5.2	5.4	7	9.1	10	9.9	10.7	10.6	10.3	10.2	10.9	10.7	10.8	9.6	7.8	6.6	6	5.4	6.4	5.5	8.1
7	5.8	5.7	5.9	5.8	6	6.4	6.9	7.6	7.2	7.8	7.2	7.5	7.2	7.3	7.3	6.7	6.2	5.7	4.9	3.8	2.8	3.1	3.2	3	5.9
8	3	2.7	2.8	2.6	2.6	2.8	3.3	3.7	3.5	3.9	3.4	4	4.4	4.9	5.6	6.1	6.4	6.2	4.7	2.9	2.3	1.5	2	0.6	3.6
9	0.7	1.2	0.6	0.3	0.4	0.2	2	2.6	1.9	2.3	3.2	3.3	5	5.8	5	4.4	4	3.9	2.8	1.3	0.7	0.8	1.5	2.4	2.4
10	2.4	2.8	2.3	2.5	2.2	2	3	3.7	3.8	4.6	4.5	4.3	4	4.1	3.5	5.5	5	4.2	3.1	2.7	2.7	3.2	3.2	2.9	3.4
11	2.6	2.4	2.5	2.2	2.6	2.6	2.5	3.2	3.9	3.8	3.6	4.1	4.5	4.8	5.3	5.1	5	6.2	5.6	4.9	4.7	4.8	4.4	4.6	4
12	4.2	3.5	2.7	2.9	2.8	2.7	4.1	5.4	5.1	5.5	6.1	5.6	7.9	6.7	6.9	5.9	6	6.8	3.9	2.9	2.4	1.9	2	0.7	4.4
13	4.7	5	5.1	4.8	3.8	4.6	5.1	5.9	6.5	5.6	5.1	5.3	5.8	5.2	5.5	5.4	6.1	5.1	3.4	2.1	0.8	0.8	0.5	1.3	4.3
14	1.8	2	2.1	2.1	2	2.4	2.5	3.8	3.6	3.2	4.3	4.7	6	5	5.2	4.9	4.5	4.4	2.9	1.3	1.5	1	1.6	1.6	3.1
15	2.2	1.7	1.5	1.4	1.8	2.5	3.4	2.9	3.6	2.4	2.9	4.2	3.9	4.7	6	3.5	3.2	2.6	2.6	2	1.4	1.3	1.2	1.4	2.7
16	1.6	1.4	1.3	2	2.3	2.9	3.3	1.9	3.5	4.3	5.5	5.9	5.8	5.7	5.5	6.3	5.9	6.3	6.1	4.4	3.9	3.3	4	3.3	4
17	2.8	1.3	1.3	1.6	2.1	2	2.4	4	4.4	4	3.5	2.7	3.1	3.9	4.4	3.9	3.9	4	3.3	2.5	1.8	2.4	1.7	1.7	2.9
18	2.2	4.1	2.4	1	0.4	0.1	0.7	2.1	2.8	3.2	3.2	4.1	3.6	4.1	4.2	4.1	3.7	2.2	2.7	1.3	0.6	1	1.3	1	2.3
19	1.2	1.4	1.5	2.4	2.7	2.4	3.2	4.7	5.5	5.9	5.9	6.8	6.6	6.2	5.7	6.3	3.6	4.1	4.3	4.8	4.6	3.5	2.3	2.9	4.1
20	3.3	3.4	3.4	2.8	3.8	3.4	4	4.3	4.7	4.5	4.5	4.1	5.1	4.8	4.2	4.5	4.7	4.2	3.6	2.6	3.2	3.2	2.1	1.4	3.7
21	1.5	0.1	0.2	0.4	0.7	0.8	1.5	2.7	4.1	5.2	4.7	7.2	3.3	1.7	4.9	3.6	3.8	3.9	4.3	3.5	4.6	5	5	5	3.2
22	5.2	5.5	5.4	5.7	5.4	4.3	4	3.4	5	7.2	7.5	7.2	6.3	7.4	6.7	6.3	6.7	5.6	5.6	5.1	6.5	3	1.9	2.7	5.4
23	1.9	0.9	0.8	1.5	2.6	2.9	3.1	4	4.2	4	4.4	4.7	4	4.4	4.7	5.7	4.9	4.3	3.2	2.7	2.8	2.4	1.3	0.9	3.2
24	1	1.7	1.5	1.3	0.6	1	0.7	1	1.7	2.2	2	3.1	3	5	5.5	5.4	5.4	5.2	4.7	3.7	2.7	1.3	1.5	1.7	2.6
25	2.1	1.9	1.6	1.2	1.5	2.7	3.8	4.3	4.8	4.6	4.9	5.9	6.7	7.7	8.3	8.6	7	5.1	4.3	3.6	3.7	4.1	3.8	3.7	4.4
26	3.3	3.2	3.1	2.3	1.7	1.1	2.2	3.8	4.9	5.7	6.9	7.1	7.7	8.9	8	5.7	5.7	2.6	2.5	3.8	4.5	1.5	1	0.2	4.1
27	0.9	0.1	0.5	2.4	2.7	2.1	0.6	1.8	3.1	4.4	5.5	6.6	7.1	6	7.1	6.8	6.6	6.1	3.3	3	3	3.1	2	2.1	3.6
28	3.5	3.9	4.2	4.1	3.1	3.3	4.7	4.7	4.9	3.7	4.1	6.1	2.6	2.4	4.3	3.8	4.3	4.8	3.5	2.5	2.5	1.6	1.4	1.3	3.6
29	1.4	1.8	0.2	0.8	0.4	0.6	1.2	2.3	3.5	4.6	3.5	2.8	2.6	2.9	3.5	2.9	3.6	3.7	2.2	0.4	0.4	0.4	0.7	1.3	2
30	1.9	1.5	1.8	1.9	2	2.3	3.3	5.5	4.9	4.4	3.8	3.9	4	5.5	4.7	6.2	6.2	5.4	4	3.8	3.3	3	2.2	1.8	3.6
31	1.9	0.4	0.2	1	1.4	1.6	2.3	3.8	4.9	4.5	4.7	4.1	3.9	3.2	4.3	4.7	4.8	3.7	3.1	2.3	3	3.2	2.1	1.3	2.9
Avg	2.7	2.6	2.4	2.4	2.4	2.5	3.1	4	4.6	4.7	4.8	5.1	5.1	5.2	5.4	5.3	5.3	4.8	4.1	3.3	3.1	2.8	2.6	2.4	3.8
SD	1.5	1.6	1.6	1.5	1.4	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.6	1.6	1.5	1.4	1.2	1.4	1.6	1.4	1.5	1.5	1.2
S/A	0.55	0.63	0.69	0.62	0.57	0.57	0.49	0.41	0.34	0.33	0.35	0.34	0.35	0.34	0.3	0.29	0.28	0.3	0.31	0.43	0.5	0.51	0.56	0.6	0.31
Min	0.7	0.1	0.2	0.3	0.4	0.1	0.6	1	1.7	2.2	2	2.7	2.6	1.7	3.4	2.9	3.2	2.2	2.2	0.4	0.4	0.4	0.5	0.2	2
Max	7.1	6.6	6.4	5.8	6	6.4	7	9.1	10	9.9	10.7	10.6	10.3	10.2	10.9	10.7	10.8	9.6	7.8	6.6	6.5	5.4	6.4	5.8	8.1
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

May 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	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1020	1019	1019	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	1018	1019
2	1018	1018	1017	1017	1018	1018	1019	1020	1020	1020	1020	1020	1019	1019	1018	1018	1018	1018	1019	1019	1020	1020	1020	1021	1019	
3	1021	1020	1021	1021	1021	1022	1023	1023	1023	1023	1023	1023	1023	1022	1022	1021	1021	1021	1021	1021	1022	1022	1022	1022	1022	1022
4	1021	1021	1021	1021	1021	1021	1022	1022	1022	1022	1021	1021	1020	1019	1019	1018	1018	1017	1017	1018	1018	1018	1018	1018	1018	1020
5	1017	1017	1017	1016	1016	1017	1017	1017	1017	1017	1016	1016	1015	1014	1014	1013	1013	1013	1014	1015	1016	1017	1017	1018	1016	
6	1018	1018	1018	1018	1019	1020	1020	1021	1022	1023	1024	1024	1024	1024	1025	1025	1025	1025	1026	1026	1027	1027	1027	1027	1023	
7	1027	1027	1026	1026	1027	1027	1027	1028	1028	1029	1029	1029	1029	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	
8	1027	1027	1026	1026	1026	1026	1026	1027	1027	1027	1026	1026	1025	1024	1024	1023	1023	1022	1022	1023	1023	1023	1023	1023	1025	
9	1022	1021	1021	1021	1020	1021	1021	1022	1022	1022	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	
10	1019	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020	1019	1019	1018	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1018	
11	1018	1017	1017	1017	1017	1017	1018	1018	1018	1018	1017	1017	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1016	
12	1014	1014	1013	1013	1013	1013	1013	1014	1014	1013	1013	1013	1012	1011	1011	1010	1009	1009	1011	1012	1013	1013	1013	1013	1012	
13	1013	1013	1013	1014	1014	1015	1016	1016	1016	1017	1017	1017	1016	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1017	1016	
14	1017	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1016	1018	
15	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1013	1013	1012	1011	1010	1009	1009	1009	1009	1009	1009	1009	1009	1009	1012	
16	1009	1008	1008	1008	1008	1009	1009	1009	1009	1010	1011	1011	1011	1011	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1011	
17	1013	1013	1013	1013	1013	1014	1014	1014	1014	1015	1015	1015	1015	1014	1014	1013	1014	1013	1014	1014	1014	1014	1014	1014	1014	
18	1013	1012	1012	1012	1013	1013	1013	1014	1014	1013	1013	1013	1012	1011	1011	1010	1010	1010	1010	1010	1010	1010	1010	1009	1012	
19	1009	1008	1008	1007	1007	1008	1008	1008	1008	1008	1008	1008	1007	1007	1007	1007	1007	1007	1008	1009	1009	1009	1010	1010	1008	
20	1010	1009	1009	1009	1010	1010	1011	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012	1012	1011	
21	1012	1011	1011	1011	1012	1012	1013	1013	1013	1013	1013	1012	1012	1012	1011	1011	1010	1010	1010	1010	1011	1011	1011	1011	1012	
22	1010	1009	1009	1009	1009	1010	1011	1011	1010	1010	1009	1009	1008	1007	1006	1005	1005	1005	1006	1006	1006	1007	1007	1008	1008	
23	1007	1007	1007	1007	1008	1008	1009	1009	1010	1009	1010	1010	1010	1009	1009	1009	1008	1008	1008	1009	1009	1009	1010	1010	1009	
24	1010	1010	1010	1010	1010	1011	1011	1011	1012	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1012	
25	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1015	1015	1015	1014	1014	1015	1016	1016	1016	1016	1016	1015	1015	
26	1015	1014	1014	1014	1014	1015	1015	1016	1015	1015	1014	1013	1012	1012	1011	1011	1012	1011	1011	1011	1011	1011	1011	1011	1013	
27	1011	1010	1010	1010	1011	1011	1011	1012	1012	1012	1011	1011	1010	1009	1009	1008	1008	1008	1008	1009	1009	1010	1010	1010	1010	
28	1009	1009	1009	1009	1009	1010	1010	1010	1010	1011	1011	1011	1012	1012	1010	1010	1009	1010	1011	1011	1011	1011	1011	1011	1010	
29	1011	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1011	1011	1010	1011	1010	1010	1010	1010	1010	1011	1011	1012	1012	1011	
30	1012	1012	1012	1012	1013	1013	1013	1013	1013	1014	1014	1013	1013	1013	1013	1013	1013	1014	1014	1015	1015	1016	1017	1017	1014	
31	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1016	1015	1015	1016	1015	1015	1016	1016	1016	1016	
Avg	1015	1015	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	
S/D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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		
Min	1007	1007	1007	1007	1007	1008	1008	1008	1008	1008	1008	1008	1007	1007	1006	1005	1005	1005	1006	1006	1006	1007	1007	1008	1008	
Max	1027	1027	1026	1026	1027	1027	1027	1028	1028	1029	1029	1029	1029	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1027	1028	
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