

September 2005

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	11	105	304	502	675	744	748	648	677	487	324	262	94	13	0	0	0	0	0	5594
2	0	0	0	0	0	8	66	301	497	669	770	767	819	765	637	519	316	115	15	0	0	0	0	0	6264
3	0	0	0	0	0	8	99	272	486	669	810	888	890	812	699	528	328	124	16	0	0	0	0	0	6632
4	0	0	0	0	0	10	109	312	516	692	825	593	703	606	705	517	342	129	13	0	0	0	0	0	6071
5	0	0	0	0	0	10	109	316	521	672	807	890	837	724	595	486	268	114	13	0	0	0	0	0	6362
6	0	0	0	0	0	8	106	306	476	533	587	702	726	616	589	391	285	146	22	0	0	0	0	0	5492
7	0	0	0	0	0	7	35	106	153	219	366	562	624	482	518	382	228	86	21	0	0	0	0	0	3789
8	0	0	0	0	0	8	78	300	456	375	496	690	821	716	680	404	296	107	10	0	0	0	0	0	5437
9	0	0	0	0	0	9	60 ?	305 ?	511	686	822	895	850	652	607	453	220	118	19	0	0	0	0	0	6208
10	0	0	0	0	0	2	32	107	224	636	602	719	882	447	357	279	235	66	15	0	0	0	0	0	4604
11	0	0	0	0	0	6	81	272	428	435	546	590	869	835	638	404	280	53	10	0	0	0	0	0	5449
12	0	0	0	0	0	5	44	140	312	599	754	705	446	512	572	447	243	67	6	0	0	0	0	0	4853
13	0	0	0	0	0	4	43	160	328	388	392	481	697	724	479	340	172	56	8	0	0	0	0	0	4271
14	0	0	0	0	0	14	104	252	429	468	544	489	293	453	214	161	107	38	3	0	0	0	0	0	3569
15	0	0	0	0	0	1	23	108	199	253	342	352	200	112	149	122	49	52	10	0	0	0	0	0	1973
16	0	0	0	0	0	0	6	44	110	201	497	565	619	589	356	358	238	62	3	0	0	0	0	0	3648
17	0	0	0	0	0	4	50	135	424	609	749	831	842	758	630	445	243	59	0	0	0	0	0	0	5781
18	0	0	0	0	0	3	56	233	418	534	540	625	618	413	559	213	189	51	3	0	0	0	0	0	4455
19	0	0	0	0	0	5	49	203	451	610	740	823	837	739	602	413	217	54	0	0	0	0	0	0	5742
20	0	0	0	0	0	4	53	184	238	374	541	726	741	567	497	388	197	43	0	0	0	0	0	0	4554
21	0	0	0	0	0	2	12	53	141	244	456	435	866	731	579	383	210	48	0	0	0	0	0	0	4160
22	0	0	0	0	0	4	62	239	430	606	732	783	518	259	394	376	215	48	0	0	0	0	0	0	4665
23	0	0	0	0	0	5	54	200	422	546 ?	746 ?	778	739	676	566	388	198	40	0	0	0	0	0	0	5358 ?
24	0	0	0	0	0	5	43	143	279	267	319	404	316	313	424	249	106	25	0	0	0	0	0	0	2891
25	0	0	0	0	0	5	63	214	404	595	727	793	783	708	571	361	181	35	0	0	0	0	0	0	5441
26	0	0	0	0	0	5	54	236	424	575	730	675	482	487	583	251	116	41	0	0	0	0	0	0	4659
27	0	0	0	0	0	2	32	200	430	604	737	798	806	737	597	419	212	45	0	0	0	0	0	0	5619
28	0	0	0	0	0	2	70	255	463	644	759	768	810	736	607	424	213	45	0	0	0	0	0	0	5796
29	0	0	0	0	0	4	47	232	409	521	741	691	723	577	291	181	94	23	0	0	0	0	0	0	4534
30	0	0	0	0	0	0	9	30	150	448	696	718	627	673	563	376	171	20	0	0	0	0	0	0	4481
Avg	0	0	0	0	0	5	58	205	374	512	637	683	688	603	525	366	214	67	7	0	0	0	0	0	4945
S D	0	0	0	0	0	3	30	86	127	155	156	146	186	172	138	105	70	35	7	0	0	0	0	0	1078
S/A	0	0	0	0	0	0.62	0.51	0.42	0.34	0.3	0.24	0.21	0.27	0.28	0.26	0.29	0.33	0.52	1.12	0	0	0	0	0	0.22
Min	0	0	0	0	0	0	6	30	110	201	319	352	200	112	149	122	49	20	0	0	0	0	0	0	1973
Max	0	0	0	0	0	14	109	316	521	692	825	895	890	835	705	528	342	146	22	0	0	0	0	0	6632
n	0	0	0	0	0	80	353	353	358	354	350	360	360	360	360	360	360	360	344	59	0	0	0	0	4411

Daylight Data Recovery: 0.0% missing; 0.7% exceed the 15% QC threshold -- 4444 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31256F3 Calibration Factor: 7.561 μV/W/m² Calibration Date: 08/2003

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

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

September 2005

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	64	356	610	710	755	622	508	359	436	315	192	252	95	0	0	0	0	0	0	5275
2	0	0	0	0	0	3	83	504	644	706	625	579	609	660	620	690	583	341	72	0	0	0	0	0	6719
3	0	0	0	0	0	4	215	438	616	719	779	835	848	810	793	760	668	443	129	0	0	0	0	0	8059
4	0	0	0	0	0	111	478	710	806	845	755	252	363	423	796	742	739	524	149	0	0	0	0	0	7694
5	0	0	0	0	0	98	462	710	820	830	730	789	684	558	529	488	401	302	53	0	0	0	0	0	7454
6	0	0	0	0	0	21	390	634	590	355	323	396	391	279	389	305	352	405	87	0	0	0	0	0	4920
7	0	0	0	0	0	0	0	5	2	2	4	22	164	101	273	282	307	168	40	0	0	0	0	0	1370
8	0	0	0	0	0	8	149	596	486	137	317	545	625	572	656	469	562	387	60	0	0	0	0	0	5568
9	0	0	0	0	0	14	292	727	829	877	903	907	781	452	470	425	129	232	100	0	0	0	0	0	7139
10	0	0	0	0	0	0	25	85	171	648	466	452	697	149	23	39	152	82	84	0	0	0	0	0	3074
11	0	0	0	0	0	0	187	482	503	201	197	198	766	806	657	352	365	50	7	0	0	0	0	0	4772
12	0	0	0	0	0	0	0	16	184	613	709	400	44	86	428	414	260	71	1	0	0	0	0	0	3227
13	0	0	0	0	0	0	0	17	142	149	136	158	368	510	260	139	49	4	0	0	0	0	0	0	1932
14	0	0	0	0	0	5	184	234	227	47	90	77	1	43	1	0	0	0	0	0	0	0	0	0	910
15	0	0	0	0	0	0	0	1	1	1	9	13	0	1	3	1	0	3	1	0	0	0	0	0	33
16	0	0	0	0	0	0	0	0	1	15	204	273	328	379	248	361	367	140	0	0	0	0	0	0	2316
17	0	0	0	0	0	0	47	162	490	644	751	815	813	787	772	678	536	230	0	0	0	0	0	0	6725
18	0	0	0	0	0	0	98	380	465	385	207	201	258	172	483	75	218	75	0	0	0	0	0	0	3015
19	0	0	0	0	0	0	1	120	532	655	698	693	658	668	604	494	357	126	0	0	0	0	0	0	5607
20	0	0	0	0	0	1	18	55	19	92	233	375	470	314	330	416	270	64	0	0	0	0	0	0	2656
21	0	0	0	0	0	1	0	1	2	6	33	15	536	649	549	420	306	115	0	0	0	0	0	0	2634
22	0	0	0	0	0	3	149	491	630	718	756	746	364	34	239	511	444	160	0	0	0	0	0	0	5245
23	0	0	0	0	0	0	53	392	556	587 ?	630 ?	656	585	562	564	494	380	109	0	0	0	0	0	0	5567 ?
24	0	0	0	0	0	0	13	47	30	8	11	32	3	3	160	92	5	2	0	0	0	0	0	0	407
25	0	0	0	0	0	0	151	368	499	662	713	734	740	694	651	403	233	51	0	0	0	0	0	0	5899
26	0	0	0	0	0	2	124	492	605	631	739	490	284	260	536	177	42	3	0	0	0	0	0	0	4385
27	0	0	0	0	0	0	9	420 ?	682	751	808	827	872	872	832	771	630	294	0	0	0	0	0	0	7768
28	0	0	0	0	0	0	217	699	743	848	912	726	873	902	878	804	646	288	0	0	0	0	0	0	8535
29	0	0	0	0	0	0	77	530	556	446	618	516	565	329	15	5	1	0	0	0	0	0	0	0	3656
30	0	0	0	0	0	0	0	0	13	359	619	553	371	598	642	577	377	17	0	0	0	0	0	0	4125
Avg	0	0	0	0	0	11	126	331	418	456	487	459	481	437	457	386	321	159	26	0	0	0	0	0	4556
S D	0	0	0	0	0	28	144	265	289	312	303	282	271	280	261	247	216	151	44	0	0	0	0	0	2396
S/A	0	0	0	0	0	2.52	1.15	0.8	0.69	0.68	0.62	0.61	0.56	0.64	0.57	0.64	0.67	0.94	1.69	0	0	0	0	0	0.53
Min	0	0	0	0	0	0	0	0	1	1	4	13	0	1	1	0	0	0	0	0	0	0	0	0	33
Max	0	0	0	0	0	111	478	727	829	877	912	907	873	902	878	804	739	524	149	0	0	0	0	0	8535
n	0	0	0	0	0	80	360	356	358	354	350	360	359	360	357	360	360	344	59	0	0	0	0	0	4417

Daylight Data Recovery: 0.0% missing; 0.6% exceed the 15% QC threshold -- 4444 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25521E6 Calibration Factor: 8.034 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 06/2002

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

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

September 2005

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	12	46	79	103	121	210	274	312	293	249	211	164	77	13	0	0	0	0	0	2164
2	0	0	0	0	0	9	49	112	137	165	238	231	257	194	167	112	81	46	12	0	0	0	0	0	1810
3	0	0	0	0	0	8	63	103	139	145	141	118	107	110	100	79	62	38	9	0	0	0	0	0	1221
4	0	0	0	0	0	9	34	55	65	81	176	357	355	237	110	82	51	30	5	0	0	0	0	0	1648
5	0	0	0	0	0	11 ?	36	55	61	74	191	170	206	242	200	188	105	55	9	0	0	0	0	0	1602
6	0	0	0	0	0	10 ?	38	69	136	273	302	325	355	357	280	208	150	65	16	0	0	0	0	0	2582
7	0	0	0	0	0	9 ?	35	104	152	219	365	542	463	382	288	221	94	57	18	0	0	0	0	0	2949
8	0	0	0	0	0	10 ?	57	78	179	274	204	184	245	209	179	124	82	37	7	0	0	0	0	0	1868
9	0	0	0	0	0	10 ?	34	54	57	63	68	75	132	233	248	201	164	79	16	0	0	0	0	0	1436
10	0	0	0	0	0	2	27	75	116	166	201	297	243	301	345	259	179	56	12	0	0	0	0	0	2280
11	0	0	0	0	0	6	52	101	138	296	378	399	168	150	148	194	135	48	9	0	0	0	0	0	2225
12	0	0	0	0	0	6 ?	44	131	179	138	154	316	396	427	235	196	140	52	6	0	0	0	0	0	2419
13	0	0	0	0	0	5 ?	43	150	240	272	277	328	387	294	278	252	156	55	8	0	0	0	0	0	2745
14	0	0	0	0	0	?	75	170	300	426	467	419	293	417	214	161	107	38	3	0	0	0	0	0	3088
15	0	0	0	0	0	1 ?	23	108	199	253	339	345	200	112	149	122	49	52	10	0	0	0	0	0	1963
16	0	0	0	0	0	0	7	44	110	193	329	323	321	266	211	159	107	37	2	0	0	0	0	0	2110
17	0	0	0	0	0	4	41	71	169	172	150	128	137	121	100	91	68	28	0	0	0	0	0	0	1279
18	0	0	0	0	0	3	42	109	179	276	367	444	384	273	237	172	118	40	3	0	0	0	0	0	2646
19	0	0	0	0	0	7 ?	49	157	160	170	187	227	270	208	193	163	109	38	0	0	0	0	0	0	1937
20	0	0	0	0	0	6 ?	49	170	235	312	355	401	332	313	273	176	115	37	0	0	0	0	0	0	2775
21	0	0	0	0	0	3 ?	12	53	141	242	424	421	418	213	204	169	113	34	0	0	0	0	0	0	2448
22	0	0	0	0	0	5 ?	39	85	110	127	138	151	197	232	236	128	82	29	0	0	0	0	0	0	1559
23	0	0	0	0	0	5	42	103	144	176 ?	233 ?	233	252	240	202	152	92	28	0	0	0	0	0	0	1901 ?
24	0	0	0	0	0	?	43	132	270	265	315	381	316	313	324	205	106	25	0	0	0	0	0	0	2694
25	0	0	0	0	0	?	43	95	147	155	168	175	159	165	139	149	120	28	0	0	0	0	0	0	1543
26	0	0	0	0	0	?	35	81	115	149	152	255	240	280	217	156	108	45 ?	0	0	0	0	0	0	1832
27	0	0	0	0	0	?	31	86 ?	104	117	114	111	84	73	66	55	38	14	0	0	0	0	0	0	892
28	0	0	0	0	0	?	34	47	98	93	64	159	91	59	55	50	40	17	0	0	0	0	0	0	807
29	0	0	0	0	0	?	37	73	126	226	263	256	248	320	286	180	94	23	0	0	0	0	0	0	2132
30	0	0	0	0	0	0	9	28	143	198	208	245	294	215	157	107	64	19	0	0	0	0	0	0	1687
Avg	0	0	0	0	0	6	39	93	148	195	239	276	262	242	203	157	103	41	5	0	0	0	0	0	2008
S D	0	0	0	0	0	4	14	37	57	83	105	115	101	94	74	54	38	16	6	0	0	0	0	0	588
S/A	0	0	0	0	0	0.57	0.37	0.4	0.39	0.42	0.44	0.42	0.39	0.39	0.36	0.34	0.37	0.4	1.13	0	0	0	0	0	0.29
Min	0	0	0	0	0	0	7	28	57	63	64	75	84	59	55	50	38	14	0	0	0	0	0	0	807
Max	0	0	0	0	0	12	75	170	300	426	467	542	463	427	345	259	179	79	18	0	0	0	0	0	3088
n	0	0	0	0	0	57	359	356	358	354	350	360	360	360	360	360	360	341	59	0	0	0	0	0	4394

Daylight Data Recovery: 0.0% missing; 1.1% exceed the 15% QC threshold -- 4444 total daylight measurements.

Instrument: Eppley PSP Serial Number: 17880F3 Calibration Factor: 8.067 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 07/2002

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

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

September 2005

Dry Bulb Temperature (Roof)
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	24.2	23.5	22.7	22.1	21.4	21	21.5	23.3	25.8	27.1	28.1	28.6	29.6	30.2	30.2	29.2	28	27.4	26.5	25.5	25	24.6	24.2	24	25.6
2	23.2	22.4	22.3	21.8	22	21.1	21.2	23.5	25.9	28.3	29.3	29.5	30	30.5	31.1	31.6	31.4	29.9	27.1	26	25.2	24.9	24.4	23.3	26.1
3	23	22.9	22.8	22.4	22.7	22.4	22.4	24.1	25.8	27.2	28.1	28.9	29.3	29.2	29.2	29	28.3	26.8	25.2	23.8	23.3	23.1	22.7	22.3	25.2
4	21.4	20.2	20	20	19.6	18.6	20	22.6	24.7	26.2	26.9	26.9	26.9	26.8	27.2	26.8	26.5	25.8	24.1	22.7	21.8	21.2	20.7	20.4	23.2
5	19.7	19	19.2	18.9	18.4	19.2	20.2	22.4	25	26.2	26.6	27.1	27	26.9	26.4	26.2	25.5	24.8	23.7	23	22.7	22.8	22.8	22.8	23.2
6	22.9	22.7	22.5	22.2	21.8	21.6	22.3	23.7	24.3	24.6	24.5	25	25.4	25.2	25	24.8	24.3	23.8	22.6	21.9	21.2	20.8	21.5	21.3	23.2
7	20.7	19.5	19.2	19.3	19.5	19.5	19.7	20.7	22.5	24.2	24.9	25.9	26.2	26	26.4	25.5	24.8	24	23.1	22.2	21.5	21.3	20.8	20.3	22.4
8	20.2	20.1	20	19.9	19.9	19.8	20.1	21.6	23.3	24.2	24.9	26.3	27	27.6	27.6	26.7	26.1	24.8	23.2	22.4	22.1	21.8	20.7	19.8	22.9
9	19.6	19	18.6	17.5	16.5	16.4	17.4	20.4	22.4	24.6	26.2	27.3	27.8	27.6	27.3	27	25.9	24.9	23.4	22.4	21.8	21.5	21.6	21.5	22.4
10	21.1	20.6	20.6	20.6	20.5	20.5	20.9	22	23.5	25.1	25.6	25.8	26.1	25.4	24.7	24.4	24.2	23.5	22.7	22.1	22	22.2	22.3	22.2	22.9
11	22.2	22	21.9	21.8	21.6	21.7	22.1	23.3	24.1	24.3	24.3	24.5	25.1	25.3	25.2	24.4	23.8	23	22.1	21.3	21	20.5	19.6	19.1	22.7
12	18.4	18.5	18.8	19.1	19.4	19.4	19.6	21	23.5	25.3	26.1	26.4	26.3	26.4	27.1	26.9	25.9	24.9	23.8	23	22.6	22.5	22.5	22.7	22.9
13	22.7	22.8	23	23	23.2	23.4	23.7	24.4	26.2	27.2	27.9	27.8	28.2	28.3	28.6	28.1	27.2	26.5	25.7	25.2	24.8	24.7	24.7	24.7	25.5
14	24.4	24.2	24.2	24.4	24.5	24.7	25.1	26	27.1	27.5	28.1	27.9	27.7	27.8	26.9	26.8	26.7	26.6	26.2	26	26	26.1	26	26	26.1
15	26	25.7	25.6	25.9	25.7	25.1	25	25.6	26.4	26.9	27.3	27.5	27.3	26.9	26.3	26.7	25.8	25.4	25.6	25.6	25.8	25.5	25.5	25.5	26
16	25.3	25.4	25.4	25.5	25.4	25.3	24.9	24.7	24.9	25.3	27.2	28.3	28.6	29.4	27.2	28	28.3	27.8	26.6	25.7	24.7	23.8	23.3	23.5	26
17	23.9	24.2	24.4	24.3	24.1	23.9	23.8	24	25.4	26.9	28.7	29.8	31.1	32.2	32.6	32.7	32.1	30.8	28.8	27.7	26.9	26.2	25.9	25.6	27.3
18	24	22.5	21.8	22.1	22	21.4	21.7	23.6	25.3	26.2	27.8	28.9	29.9	30.1	30.1	28.5	28	26.7	25.3	24.5	24.1	23.9	23.6	23.3	25.2
19	23.2	23	22.8	22.6	22.5	22.1	21.9	22.5	24.6	26.9	28.5	29	29.1	29.1	28.7	28.2	27.3	26.2	24.9	24.3	23.8	23.4	23	22.5	25
20	22.3	22.1	21.7	21.5	21.5	21.7	22.1	23.3	24.6	25.7	27	28.4	29.2	29.8	30.2	30.4	30.1	29	27.6	26.5	25.7	25.2	22.1	20.6	25.3
21	20.4	20.6	20.8	20.7	20.6	20.5	20.5	20.8	21.5	22.5	24.3	25.7	26.6	27	27.2	27	26.3	24.9	23.6	23.1	22.8	22.8	21.7	21.1	23
22	20.7	20.8	20.5	19.8	19.3	19.1	19.7	22.3	24.6	25.5	26.7	28.1	28.7	27.7	27.7	27.4	27	25.7	24.5	23.5	22.9	22.1	21.9	21.5	23.7
23	21.4	21.3	21.1	21.5	21.4	21.2	21.3	22.1	24.6	26.4	27.9	29	30.1	30.5	30.7	30.9	30.8	29.1	27.5	26.3	25.5	25	24.4	23.8	25.6
24	23.7	23.4	23	23.1	23.1	22.6	22.7	23.9	25.6	26.1	26.4	26.6	26.6	26.3	26.5	26.1	25.1	24.4	23.9	23.8	23.5	23.4	23.2	22.9	24.4
25	22.5	21.9	21.8	21.8	21.5	21.2	21.3	22.6	24.2	25.1	25.6	26.1	26.5	26.7	27	26.2	25.1	24.3	23.5	23	23.1	22.7	22.4	22.1	23.7
26	21.4	21.2	21.2	20.9	20.7	20.6	20.9	23	25	25.9	26.8	27.6	28.2	28.3	29.2	28.5	27.5	26.8	26	25.3	24.9	24.9	23.7	22.7	24.6
27	22.1	21.9	21.8	21.7	21.6	21.3	21.1	21.9	23.2	24	24.8	25.4	26	26.5	26.8	26.7	26	24.4	22.3	21.2	20.7	20.2	19.8	19.1	22.9
28	19.1	18.6	18.3	18	17.3	15.8	16.3	19.6	22.1	23.6	24.7	25.4	25.5	25.7	25.5	25.2	24.7	23.5	22.5	22	21.3	20.9	20.2	19.9	21.5
29	19.9	19.7	19	18.9	19.2	18.7	19.5	21.9	24.4	25.9	26.8	27.5	28.1	28.8	28.3	28	27.6	26.9	25.7	22.6	21.1	20.9	21.1	21.4	23.4
30	21.1	20.4	19.5	18.8	18.1	17.8	17.7	17.7	18.8	20.6	21.8	22.2	21.9	22	21.9	21.5	20.8	19.5	18.6	18.2	18.5	18.2	17.5	17.3	19.6

Avg	22	21.7	21.5	21.3	21.2	20.9	21.2	22.6	24.3	25.5	26.5	27.1	27.5	27.7	27.6	27.3	26.7	25.7	24.5	23.7	23.2	22.9	22.5	22.1	24.1
S D	1.9	1.9	2	2.1	2.2	2.3	2.1	1.8	1.7	1.6	1.7	1.7	1.9	2.1	2.2	2.3	2.4	2.3	2.1	2	2	2	2	2	1.7
S/A	0.09	0.09	0.09	0.1	0.11	0.11	0.1	0.08	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.07
Min	18.4	18.5	18.3	17.5	16.5	15.8	16.3	17.7	18.8	20.6	21.8	22.2	21.9	22	21.9	21.5	20.8	19.5	18.6	18.2	18.5	18.2	17.5	17.3	19.6
Max	26	25.7	25.6	25.9	25.7	25.3	25.1	26	27.1	28.3	29.3	29.8	31.1	32.2	32.6	32.7	32.1	30.8	28.8	27.7	26.9	26.2	26	26	27.3
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.

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

September 2005

Relative Humidity (Roof)
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	87.1	90	94.3	96.2	98.6	100.6	99.3	94.8	84.4	76.6	72.7	70.4	66.1	63.6	63.5	72.8	81.4	83.2	88	93.5	94.4	95.2	95.5	96	85.8
2	98.1	100.7	100.4	102	102.4	104.1 ?	?	101.1	92.2	70.1	56.9	54.2	52.2	51.3	49.3	46.9	47.6	59.5	76.6	82.3	87	88.9	92.2	96.2	78.8
3	97.1	99	98.6	98	90.8	88	89.3	83.5	77	63.4	53.1	53.1	53.6	57.1	57	56.6	58.5	65.1	72.2	78.5	81.4	81.4	86	88	76.1
4	89.9	94.1	95	94.8	95.9	98.8	94	80.2	70.5	54.8	50.3	50.9	52.5	54.1	50.9	55	51.7	57.8	70.9	79.7	84	87.5	91.3	94.5	75
5	98	100.4	99.8	100.6	102	99.1	96	90	76.5	64.9	68.4	65	66.5	69.4	70.4	71	74.2	77.5	79.9	84.2	86	86.5	86	86.2	83.3
6	85.2	84.6	84	83.5	85.9	88.8	84.6	79.6	74.6	75.6	76.3	74.1	73.6	73.7	75.7	76.4	76.5	79.8	84.9	89.3	94.3	97.1	93.1	94.8	82.7
7	98	101.5	103	103.5	103.2	104.5	104.7	103.5	100.8	91.7	84	78.4	78	78	76.3	80.3	82.3	87	95.1	100.2	102.8	103.9	104.5 ?	?	94.1
8	104.8 ?	104	103.5	103.6	103.8	104.1	103.1	99.7	95.8	90.3	84	75.4	72.5	69.5	69.2	74.8	78.7	85.6	95.2	99	100.3	101.1	103.9	?	92.3
9	?	?	?	?	?	?	?	101.7 ?	95.6	82.5	69.8	62.4	59.2	58.2	58.7	52.8	64	74.9	87.2	93.5	96.3	98.8	100.2	98.8	79.7 ?
10	100.2	102.1	103.4	103.7	103.7	103.7	103.4	100.7	95.1	77.4	66.1	57.7	53.5	56.9	72.4	77.4	75.7	73.4	76.7	80.5	79.1	76.6	79	81.4	83.3
11	81.7	83.5	84.7	86.2	88.9	88.9	85.1	77.1	72	72.4	73.6	72.5	69.4	68.8	70.9	75	77	81.8	84.6	87.9	89.3	90.8	95.3	97.7	81.5
12	100.5	102.2	102.3	101.9	101	100.5	101.2	98.3	90.6	85	83.1	83.1	84.8	86	85	86.5	89.8	93.6	96.7	100.2	102	103	103.6	103.6	95.2
13	104.1	104.5	104.8	?	?	?	?	104.3	99.9	96.3	92.7	93.6	93.8	92.6	88.8	90.9	96.2	99.4	102.8	104.7 ?	?	?	?	?	98.1 ?
14	?	?	?	104.7 ?	104.8	104	102.5	99.7	95.7	93.5	90.4	90.6	92.9	92.9	96.5	97.3	96.7	97.4	98.7	99.2	98.5	99	98.4	97.6 ?	97.6 ?
15	97.6	99.7	100.6	98.5	100.2	103.4	103.7	101.1	98.3	96	94.5	93.5	94.1	95.8	98.8	96.6	100.8	103	101.4	100.9	100.2	101.8	101.6	101.9	99.3
16	102.4	101.5	101.7	101.4	101.1	101.5	102.5 ?	104.9	104.4	103.6	96	89.5	88.1	83.4	95.6	90.4	89.1	90.1	95.3	98	101.6	104.5	?	?	97.6 ?
17	?	?	105 ?	104.8 ?	?	?	?	103.9	98.1	93.3	82.4	73.6	67	59.1	54.5	58.3	64.3	67.6	76.5	82.1	90.2	96.3	98.6	95.4	82.7 ?
18	89.3	95.9	101.6	99.2	100	102.8	103.1	98.3	94.5	93	87	82.4	77.6	76.6	79.3	83.2	82.4	88.7	97.8	101.4	103.7	104.7	105 ?	?	93.4
19	?	?	?	?	?	?	?	?	101.4 ?	89.5	73.6	71.2	69.9	68.5	68.8	70.5	75.8	82.2	91.3	96.3	99.3	100.8	100.9	102.4	85.1 ?
20	103.3	104.3	?	?	?	?	?	?	103.5 ?	99.5	92.9	85.2	78.6	77	77	75.3	76.6	83	91.6	96.1	98.6	99.4	99.8 ?	?	90.7 ?
21	?	?	?	?	?	?	?	?	?	103 ?	97.7	86.4	74.2	66.3	65.8	68.6	75	83.8	90.7	94.3	94.9	95.5	99.9	102	86.5 ?
22	103.6	103.2	104.8 ?	?	?	?	?	99.1	89.1	81.2	71.1	64.6	61.7	64.9	69.3	72.3	71.5	73	77.5	82	85.3	90.6	94.8	98.8	82.9 ?
23	102.1	104.3 ?	?	?	?	?	?	?	98.4	89.4	81	73.6	68.4	66.6	66.5	67.7	69.3	76.2	81.9	90.6	96.8	96.8	99.4	102.3	85.1 ?
24	103.3	104.1	105 ?	104.6 ?	103.1	102.9	102.6	103.3	100	97.4	95.1	93.2	91.1	92.2	91	90.8	94.8	95.6	96.8	97.7	98.4	98	97	96.9	98.1
25	98.3	99.5	100.1	100.4	100.3	101.3	100.1	94.6	85.4	76.5	74.6	70.7	66	61.7	64.5	74.8	83	87.4	91.4	95.7	92.7	89.7	90.1	91.3	87.1
26	95	96.3	96.2	98.3	99	99.9	99.7	95.3	88.5	82	79.3	77.4	75.9	75.4	74.6	79.5	85	90.8	92.7	95.5	98.2	100.3	103.1	102.7 ?	90.9
27	?	?	?	?	?	?	?	100.7 ?	90.6	78.6	72.4	69	62.6	59	58.4	59.2	64.3	71.9	81.3	86	88.8	89.6	90.4	95.6	77.5 ?
28	98.5	101.6	102.7	103.1	101.6	104.6 ?	103.1 ?	95	81.9	73.1	61.4	63.1	62.1	60.1	62.3	66.1	72.1	78.7	87	93.2	97.6	99.8	101.5	103.3	86.4
29	104.2	103.9 ?	?	?	?	?	?	100.5	91.5	86.5	83	78.7	75.1	70	72	73.5	73.9	77.3	82.8	96.8	96.7	94	83.2	72.5	85.1 ?
30	68.9	66.4	72.1	73.6	74.2	79.4	84.3	87.8	85.6	75.1	71.2	70.7	71.5	70.9	70.3	71.1	73.4	80	84.3	87.6	89.1	91.6	95.9	96.5	78.8

Avg	96.3	97.8	98.3	98.2	98	99	98	96.1	90.8	83.7	77.8	74.1	71.7	70.7	71.8	73.7	76.7	81.5	87.6	92.2	94.1	95.3	96.1	95.7	87 ?
S D	8.7	8.9	8.2	8	7.6	7	7.1	8.1	9.7	12.2	12.7	12.1	12.3	12.3	13.1	12.7	12.6	11	8.7	7.5	6.8	6.9	6.8	7.5	7.2
S/A	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.08	0.11	0.15	0.16	0.16	0.17	0.17	0.18	0.17	0.16	0.14	0.1	0.08	0.07	0.07	0.07	0.08	0.08
Min	68.9	66.4	72.1	73.6	74.2	79.4	84.3	77.1	70.5	54.8	50.3	50.9	52.2	51.3	49.3	46.9	47.6	57.8	70.9	78.5	79.1	76.6	79	72.5	75
Max	104.8	104.5	105	104.8	104.8	104.6	104.7	104.9	104.4	103.6	97.7	93.6	94.1	95.8	98.8	97.3	100.8	103	102.8	104.7	103.7	104.7	105	103.6	99.3
n	283	279	239	235	240	224	216	293	334	356	360	360	360	360	360	360	360	360	360	357	348	348	322	284	7601

Data Recovery: 0.0% missing; 12.0% 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

September 2005

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	24.8	23.9	23	22.2	21.4	20.7	20.8	23.1	26.7	29.7	32	33.2	34.1	34.8	34.9	34.9	33.1	31.4	29.1	26.8	25.4	24.4	23.6	22.9	27.4
2	22.3	21.6	21	20.6	20.4	20.3	20.3	21.6	25.2	29.2	32.7	34.2	34.6	34.6	35.1	35.7	36	35	31.8	28	25.6	24.4	23.7	22.9	27.4
3	22.1	21.8	22	22.1	22	21.8	21.5	23.1	26	28.7	30.7	32.1	33	33.4	33.6	33.8	33.5	32.2	29.2	25.8	23.7	22.6	22	21.4	26.6
4	20.9	19.9	18.9	18.5	18.5	18	18	20.9	24.4	27.5	29.5	30.9	30.7	30.6	30.4	30.7	30.5	29.7	27.5	24.2	22.2	21	20.3	19.8	24.3
5	19.3	18.4	17.9	17.7	17.4	17.4	18.2	21	24.5	27.4	29.1	30.4	30.8	30.7	30.4	30.2	29.4	28.3	26.4	24.2	22.9	22.3	22.2	22.2	24.1
6	22.2	22.2	21.9	21.6	21.3	20.8	20.9	22.9	25.2	26.7	27.4	27.8	28.6	29	28.9	28.5	27.9	27.5	25.7	23.2	21.8	20.8	20.5	20.5	24.3
7	20.5	19.9	19.1	18.7	18.8	18.9	19	19.7	21.4	23.2	25.1	27	28.7	29.5	29.7	29.6	29	27.2	25.5	23.4	22	21.2	20.8	20.4	23.3
8	20	19.8	19.5	19.4	19.3	19.2	19.3	20.9	23.8	26.1	27.1	28.8	30.3	31.6	32.6	32.3	31.2	29.9	27.1	23.9	22.3	21.5	20.7	19.8	24.4
9	19.2	18.7	18	17.4	16.7	16.1	16.3	18.6	21.8	25.3	28.5	30.8	31.9	31.9	31.3	31.1	30.1	28.3	26.1	23.4	21.7	20.9	20.6	20.5	23.6
10	20.4	20.1	19.8	19.7	19.7	19.7	19.7	20.3	21.9	24.3	27.1	28	28.7	28.8	27.7	27	26.4	25.7	24.3	22.7	21.8	21.5	21.5	21.5	23.3
11	21.4	21.4	21.3	21.2	21	20.9	21.1	22.6	24.7	26	26.7	27.1	27.7	28.3	28.7	28.5	27.6	26.4	24.3	22.3	21.1	20.3	19.5	19	23.7
12	18.6	18.1	18	18.2	18.4	19	19.3	20.1	22.1	25.1	28.2	30.1	30.6	30.1	30.6	31.3	30.9	29.2	26.7	24.7	23.4	22.8	22.5	22.6	24.2
13	22.6	22.6	22.9	22.9	23.1	23.4	23.7	24.3	26.2	28.4	30.2	30.6	30.6	30.6	31.8	31.9	30.8	29.4	27.6	26.3	25.5	25	24.7	24.6	26.7
14	24.4	24.2	24.1	24	24	24	24.4	25.8	27.6	29.3	30.4	30.8	30.7	30.3	30	28.2	27.8	27.6	27.2	26.7	26.5	26.4	26.3	26.2	27
15	26.2	26.2	26.1	26.1	26.1	25.7	25	24.8	25.5	26.9	28	28.9	29.3	28.9	27.9	27	27	25.8	25.2	25.2	25.5	25.7	25.6	25.6	26.4
16	25.6	25.4	25.5	25.6	25.7	25.6	25.3	24.9	24.8	24.9	26	29.3	30.9	32	31.2	29.9	30.7	30.6	28.8	26.8	25.2	24	23.3	23.1	26.9
17	23.4	23.7	23.9	23.9	23.9	23.8	23.7	24	25.5	28.3	31	33	34	34.8	35.5	36	36.2	35.2	32.1	29.1	27.5	26.6	25.9	25.6	28.6
18	25.1	24	22.7	21.9	21.8	21.2	20.9	22.4	25.8	28.7	31.1	33.1	34.4	35.3	34.7	34.1	31.9	30.4	27.9	25.9	24.6	23.9	23.5	23.2	27
19	23	22.9	22.7	22.5	22.3	22.1	21.9	22.4	24.1	27.1	30.5	32.9	34.1	34.1	33.7	33.2	32.1	30.3	27.5	25.3	24.1	23.4	22.7	22.2	26.5
20	21.6	21.3	21.1	21	20.9	20.8	21.3	22.4	23.9	25.8	27.9	30.6	32.4	33	33.3	33.8	33.6	32.3	30	28	26.6	25.8	24.9	22.7	26.5
21	21.4	20.9	20.9	21	21	20.9	20.7	20.9	21.3	22.1	24.1	27.1	29	30.9	31.5	31.5	31	29.3	26.3	23.9	22.8	22.5	21.8	20.6	24.3
22	19.9	19.6	19.5	19.5	19.1	18.8	19	20.3	23.5	27.1	29.9	32.3	33.9	32.7	31.5	31.2	31.1	29.7	26.9	24.6	23.2	22.1	21.3	20.7	24.9
23	20.3	20.1	20.2	20.5	20.9	21	21.1	22	24	27.3	30.3	32.5	33.8	34.5	34.7	34.9	34.5	33.2	30.1	27.7	26.2	25.3	24.5	23.8	26.8
24	23.3	23.3	22.9	22.8	22.8	22.4	22.1	22.9	24.7	26.8	27.9	28.8	29.5	29.3	29.2	29.4	28.4	26.8	25.3	24.5	24	23.6	23.2	22.9	25.3
25	22.5	21.9	21.4	21.1	21	20.8	20.6	21.9	24.4	27.1	29.1	30.3	30.8	30.9	31	31.2	29.7	27.9	25.3	23.6	22.8	22.4	22	21.4	25
26	20.8	20	19.8	19.6	19.3	18.9	19	21.1	24.9	27.8	29.8	31.2	31.9	31.4	32	32.6	30.8	29.2	27.7	26.5	25.6	25.2	24.7	23.5	25.5
27	22.7	22.4	22.1	22	21.8	21.6	21.3	21.6	23.3	25.6	27.3	28.8	29.6	29.9	30.5	30.8	30.6	28.9	25.2	22.2	20.5	19.4	18.7	18.1	24.4
28	17.6	17.6	17.3	17	16.6	15.8	15.4	17.2	21.2	24.9	27.7	29.4	30.2	30.2	30.1	29.8	29.3	27.8	24.7	22.5	21.2	20.2	19.5	18.8	22.6
29	18.5	18.6	18.4	18.1	18	18	18	19.5	22.9	26.7	29.3	31	31.6	32.1	32	30.9	29.8	28.7	27.6	25.9	23.7	21.8	21.4	21.5	24.3
30	21.6	21.4	20.8	20	19.3	18.8	18.5	18.3	18.3	19.9	22.8	25.2	25.9	26	26.1	26.1	25.4	23.1	20.5	18.7	18.2	18.1	17.4	17	21.1
Avg	21.7	21.4	21.1	20.9	20.7	20.5	20.5	21.7	24	26.5	28.6	30.2	31.1	31.3	31.4	31.2	30.6	29.2	27	24.9	23.6	22.8	22.3	21.8	25.2
S D	2.2	2.2	2.3	2.3	2.4	2.5	2.4	2	2	2.2	2.2	2.2	2.2	2.3	2.4	2.6	2.6	2.7	2.4	2.2	2.1	2.2	2.2	2.2	1.7
S/A	0.1	0.1	0.11	0.11	0.12	0.12	0.12	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.1	0.1	0.07
Min	17.6	17.6	17.3	17	16.6	15.8	15.4	17.2	18.3	19.9	22.8	25.2	25.9	26	26.1	26.1	25.4	23.1	20.5	18.7	18.2	18.1	17.4	17	21.1
Max	26.2	26.2	26.1	26.1	26.1	25.7	25.3	25.8	27.6	29.7	32.7	34.2	34.6	35.3	35.5	36	36.2	35.2	32.1	29.1	27.5	26.6	26.3	26.2	28.6
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

September 2005

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	1.7	1.3	1.2	0.8	0.5	0.8	0.4	0.5	1.2	1.8	1.8	1.4	1.2	1.3	1	2.2	2.7	2.1	1.3	1.4	0.9	0.2	0	0	1.2
2	0	0	0	0	0	0	0.3	1.4	1.7	1.2	1.7	1.6	2.4	1.9	1.9	1.5	1.6	1.6	1.8	0.6	0.4	0.7	0.5	0.2	1
3	0.8	1.5	1.8	1.7	0.8	0.7	1.1	2	2.5	3.5	3.5	3.1	2.6	2.6	2.5	2.5	2.4	2.6	2	1.7	1.6	1.3	1	1.3	2
4	0.6	0.5	0.6	1.1	0.9	0.7	0.8	1.4	2.2	3.3	4	3.5	3.3	3.8	4.1	4.1	3.6	2.5	1.7	1.7	1.6	1.8	1.9	1.7	2.1
5	0.7	0.5	0.5	0.5	1.2	1.3	2.3	2.3	3.3	4.8	4.8	5	5.4	5.3	5.8	5.4	4.8	4.6	3.4	2.7	2.2	2.7	3.4	3.8	3.2
6	4.2	3.3	3	2.9	2.3	2.2	2.5	4.4	5.5	5.1	5.8	5.3	4.9	4.7	5	4.3	4.4	4.2	3.1	2.5	2	1.6	2	1.9	3.6
7	1.1	0.6	1.4	2	2.1	1.5	1.4	2.2	2.3	3.3	4.6	4.3	4.6	4	3.8	4.3	4	3.4	2.4	2	1.8	1.6	1.4	1.3	2.6
8	1.5	1.6	1.8	1.8	1.7	1.6	1.8	2.5	2.7	2.5	2.5	2.3	2.6	2.1	2.3	2.7	2.8	2.8	2.2	1.9	1.6	0.9	0.1	0.1	1.9
9	0	0	0	0.2	0.1	0	0.2	0.6	1.6	1.7	2.2	2.6	2.8	3	3.5	3.6	2.7	1.8	1.5	1.2	1.2	1.2	1.3	1.3	1.4
10	1	0.7	0.9	1.1	1.2	0.7	1.2	1.8	3.4	5.3	6.1	5.6	6.5	5.7	4.8	5.2	4.6	4	3	3	3.1	3.4	3.5	3.1	3.3
11	3.4	3.4	3.4	3.3	3	3.1	3.3	4.6	5.8	5.9	6.2	5.8	5.9	5.7	4.7	5.1	5	4.3	3.3	2.7	2.3	1.5	1.1	1.4	3.9
12	1.2	1.8	1.3	1.2	1.5	1.6	1.6	1.9	3.9	4.1	3.9	3.8	3.6	3.8	3.5	3.3	3.2	2.6	2.4	2.3	1.9	1.5	1.8	1.8	2.5
13	2	1.6	2	2.1	2.3	2.4	2.1	2.5	2.9	3.2	3.4	3.9	3.9	4.2	4.2	4.2	3.4	3.2	2.8	2.2	2	2.1	2.2	2.3	2.8
14	2	2.1	2.2	2.5	2.2	2.9	3.3	4.5	5.1	5.4	6	5.8	5.7	5.9	5.2	5.1	4.9	5	4.7	5.2	5	5.8	5.1	5.3	4.5
15	4.5	4.6	5.2	6.9	6.1	5.1	5.5	6	5.9	7	7	7.1	6.4	5.6	5.1	5.6	4.8	3.8	3.7	4.1	4.6	3.5	4.1	3.3	5.2
16	3.9	3.7	3.6	4	4.1	4.1	4.2	3.8	4	3.9	3.7	4.6	4	4	3.4	3.9	3.5	2.6	1.5	0.4	0.1	0.1	0.4	0.7	3
17	0.4	0.9	0.2	0.5	1	0.4	0.3	1.4	3.1	2.5	2.6	3.2	3	3.3	3.3	2.5	2.2	1.4	0.9	1.1	1.4	1.4	1.5	3.9	1.8
18	2.8	0.9	0.5	0.6	0	0	0.1	0.7	1.6	1.4	0.8	1.2	1.1	1.5	2.4	3.1	2.7	2.4	1.9	1.7	1.6	1.4	1.4	1.1	1.4
19	1.3	0.6	0.5	0.2	0.2	0.1	0.6	0.6	2	2.6	2.5	2.7	3.2	3.2	3.3	3.2	3.2	2.4	2.1	2.2	2	1.3	1	0.3	1.7
20	0.3	0.1	0.2	0	0	0.1	0	0.4	1.8	2.8	3	3	3.8	3.4	2.7	3.1	2.8	1.4	1.7	2.4	1.6	2	2.4	0.9	1.7
21	1.5	2.8	0.7	1.2	0.6	0.5	0.8	0.7	0.5	1	1.7	2.4	2.5	2.9	2.5	2.2	1.9	1.7	1.4	1.8	1.3	0.8	0	0	1.4
22	0	0	0.2	0.4	0	0.1	0	0.2	1.5	1.7	1.3	0.9	1.2	1.1	2.3	2.6	3.1	2.6	1.6	1.5	0.9	0.7	0.4	0.1	1
23	0	0	0	0.2	0.2	0.1	0.6	0.7	1.7	2.1	2.2	2.5	2.2	2.5	2.5	2.3	1.5	0.8	0.9	0.8	1	0.5	0.1	0	1.1
24	0.5	0	0.2	0.8	0.3	0.3	0.9	1.5	3.7	3.8	3.6	3.8	3.4	3.8	4.7	4.2	4.3	3.3	2.8	3	3	3	2.9	2.6	2.5
25	1.5	1.4	1.1	1.2	1.2	1	1.1	1.4	2.3	3.2	3.4	3.2	3.2	3.4	2.7	2.7	3.1	2.6	1.8	1.3	1.8	1.5	1	0.7	2
26	0	0.4	0.6	0.1	0	0.1	0.3	0.4	2	3.2	3.2	3.6	3.5	3.6	3.6	3.3	2	1.8	2	1.8	1.9	2.8	3.3	3.2	1.9
27	3.2	3.5	1.8	1.8	1.6	1	1.2	2.4	3.8	4.7	3.9	3.4	3.2	2.7	2.3	1.9	2	1.5	1.5	1.7	1.4	0.9	1.2	0.8	2.2
28	1	0.8	0.7	0.7	0.4	0.4	0.6	0.6	1.7	2.1	2.5	2	2.7	2.5	2.7	2.8	2.7	2.1	1.9	1.3	0.3	0.5	0.1	0	1.4
29	0.2	0	0	0	0	0	0.4	1.3	2.2	2.5	3.4	3.8	3.7	3	2.4	1.8	1	0.7	2.6	3.2	3.3	2.1	3	3	1.8
30	3.4	3.8	3.5	3.4	3	3	3.2	2.7	2.4	4.4	4.4	4.1	3.8	3.6	3.3	3	3	2.6	1.6	1.3	0.9	0.9	1	0.7	2.8
Avg	1.5	1.4	1.3	1.4	1.3	1.2	1.4	1.9	2.8	3.3	3.5	3.5	3.5	3.5	3.4	3.4	3.1	2.6	2.2	2	1.8	1.7	1.6	1.6	2.3
SD	1.4	1.4	1.3	1.5	1.4	1.3	1.4	1.5	1.4	1.5	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.1	0.9	1	1.1	1.2	1.3	1.4	1
S/A	0.91	0.96	1.01	1.04	1.1	1.11	0.96	0.76	0.49	0.45	0.44	0.42	0.4	0.38	0.34	0.34	0.35	0.42	0.4	0.5	0.61	0.71	0.81	0.9	0.46
Min	0	0	0	0	0	0	0	0.2	0.5	1	0.8	0.9	1.1	1.1	1	1.5	1	0.7	0.9	0.4	0.1	0.1	0	0	1
Max	4.5	4.6	5.2	6.9	6.1	5.1	5.5	6	5.9	7	7	7.1	6.5	5.9	5.8	5.6	5	5	4.7	5.2	5	5.8	5.1	5.3	5.2
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

Instrument: 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.

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

September 2005

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	281	266	281	270	279	287	278	339	0	339	298	344	328	321	86	94	103	90	75	76	103	98	0	359
2	177	0	0	174	140	234	256	268	275	302	337	309	299	311	327	323	334	48	97	112	132	146	156	213	317
3	225	226	230	284	323	309	312	340	359	12	7	33	36	45	33	24	58	57	59	52	49	41	17	8	20
4	333	314	324	333	328	311	330	343	12	18	31	33	37	34	40	33	33	35	17	360	353	350	351	348	17
5	333	338	331	330	333	342	350	7	43	61	53	51	55	53	57	53	49	45	34	36	30	33	44	47	42
6	48	50	52	53	49	52	47	50	51	50	54	50	51	49	38	41	35	32	33	18	355	8	38	22	43
7	354	332	346	353	355	345	336	348	1	37	49	46	46	34	39	46	45	39	29	25	358	19	346	344	25
8	345	346	350	348	353	359	352	358	13	16	23	46	53	54	45	60	59	57	63	71	80	81	15	1	31
9	11	0	0	311	312	311	349	2	10	31	52	65	55	59	67	62	65	58	65	59	50	62	59	52	55
10	36	17	27	27	26	43	19	49	54	58	60	53	50	50	49	48	49	47	36	38	42	48	48	53	48
11	52	48	53	48	44	46	45	46	48	56	56	55	62	60	52	54	55	55	45	46	51	37	6	1	51
12	360	0	14	355	4	3	16	32	48	54	59	57	65	65	60	62	62	55	47	48	40	42	48	51	47
13	57	56	53	50	52	55	56	60	62	73	73	70	78	73	80	80	83	83	72	68	66	71	75	78	70
14	76	75	78	77	78	76	73	79	83	89	90	88	90	91	91	84	82	78	70	67	65	72	71	70	80
15	58	50	46	55	48	51	48	49	51	52	56	59	60	55	50	46	47	40	33	32	38	25	30	22	48
16	28	25	5	360	5	10	349	353	351	350	14	352	338	350	337	339	344	342	344	310	226	212	206	215	355
17	211	212	185	151	152	146	183	209	228	245	251	234	241	233	235	218	175	188	190	194	190	190	208	240	220
18	273	241	214	174	0	277	328	292	262	227	243	284	50	46	81	59	54	57	54	61	69	53	51	44	46
19	51	57	43	75	60	24	32	29	52	60	59	59	67	86	90	90	97	94	93	97	105	133	141	152	81
20	124	138	144	0	155	149	197	215	215	224	223	219	225	228	212	193	197	180	193	188	195	277	327	223	216
21	255	259	277	278	273	301	311	307	309	323	2	18	25	32	13	34	54	65	64	71	74	71	80	84	12
22	0	126	5	338	311	315	0	55	59	81	79	53	85	78	99	99	110	126	130	138	143	158	166	213	102
23	359	177	231	225	215	228	231	231	255	240	235	243	234	240	229	231	199	169	152	141	147	187	197	296	224
24	8	48	343	62	4	341	2	23	39	53	49	51	57	48	56	54	51	57	59	59	63	65	68	73	53
25	60	51	52	62	46	39	49	56	68	81	88	90	99	99	90	100	95	84	71	72	114	133	134	133	85
26	174	137	132	147	0	151	151	167	172	191	189	196	201	198	202	197	197	192	198	200	205	218	246	228	201
27	226	238	245	250	272	286	293	329	350	355	356	355	0	345	358	4	19	23	44	25	14	1	12	47	341
28	45	1	11	341	349	301	326	344	16	38	60	66	70	74	91	89	92	93	89	75	57	52	47	39	63
29	111	124	162	0	0	0	154	165	179	196	210	235	235	214	237	245	284	307	2	30	27	29	22	28	257
30	18	12	11	8	355	358	355	355	32	46	47	46	38	54	55	57	44	50	42	53	53	27	22	24	30
Avg	26	18	25	22	21	22	16	23	35	46	50	48	53	54	56	59	61	61	56	57	56	52	40	40	43
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

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

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

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

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

September 2005

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	3.4	2.6	2.2	2	1.3	1.9	1.4	1.5	2.7	3.7	4.1	3.5	2.9	3.1	2.3	3.8	4.3	3.4	2.5	2.5	1.8	0.7	0.2	0	2.4
2	0.1	0	0	0	0.2	0.2	1.1	2.7	3.4	2.9	3.6	3.7	4.7	4.1	3.9	3.4	3.6	3.1	3	1.3	1	1.4	1.1	0.7	2.1
3	1.5	2	2.8	3.5	1.7	1.8	2.4	4.2	4.6	6.1	6	5.4	5	4.9	4.8	4.3	4.2	4.7	3.8	3	2.7	2.7	2.1	2.4	3.6
4	1.4	1.1	1.5	1.9	1.9	1.4	1.6	2.8	4.1	6.1	6.9	6	6.1	6.8	7.3	7.3	6.6	4.6	3.2	2.9	2.8	3	3.2	2.8	3.9
5	1.6	1.7	1.5	1.5	2.3	2.5	4	4.2	6	8.3	8.2	8.6	9.8	9.2	10.2	9.4	8.6	8.6	6.1	4.8	4.3	4.8	6.3	6.9	5.8
6	7.4	6.1	5.6	5.2	4.2	4	4.4	8.2	9.7	9.6	10	9.4	8.5	8.5	8.4	7.7	8.2	7.6	5.6	4.4	3.5	2.8	3.9	3.5	6.5
7	2.3	1.7	2.6	3.3	3.6	2.7	2.8	4.1	4.1	5.9	8.2	7.5	8	7	7.1	7.5	6.8	6.1	4.8	3.6	3.4	3.2	2.7	2.4	4.6
8	2.8	3	3.1	3.1	3.2	2.9	3.3	4.3	4.9	4.6	4.8	4	4.3	3.9	4.2	4.7	4.9	4.9	4	3.2	3	1.7	0.7	0.5	3.5
9	0.3	0	0	0.4	0.4	0.1	0.9	1.6	3.2	3.4	4	4.6	4.8	5.3	5.7	5.7	4.6	3.4	2.6	2	2	2	2.3	2.3	2.6
10	2	1.7	2.1	2.2	2.6	1.6	2.3	3.4	6.2	9.1	10.6	9.7	11.1	10	8.2	9.3	8.8	7	5.3	5.3	5.4	5.9	6.3	5.9	5.9
11	6.1	5.8	6	6	5.4	5.4	5.9	8.1	9.9	10.1	10.2	9.5	9.8	9.5	8.9	8.8	8.7	7.6	5.9	4.8	4	2.9	2.1	2.6	6.8
12	2.2	3.2	2.7	2.3	3	3	3.3	3.8	6.8	6.9	6.6	6.5	6.4	6.2	5.9	5.6	5.4	4.6	4	4.1	3.4	3.2	3.3	3.4	4.4
13	3.7	3.5	3.8	3.7	4.3	4.3	3.7	4.4	5	5.3	5.8	6.4	6.7	7.2	7.1	7.3	5.8	5.4	4.4	3.8	3.4	3.7	4	3.9	4.9
14	3.4	3.6	3.8	4.1	4.1	4.9	5.5	7.4	8.2	9.5	9.8	9.7	9.7	9.6	9	8.4	8.4	8.4	7.6	9	9.1	9.9	9.1	9	7.6
15	7.8	7.8	9.5	12	10.8	9.3	9.8	10.2	10.6	12.2	12.1	12.3	11.3	10.1	9.4	10	8.4	6.8	7.1	7.6	8.4	6.2	7	6.4	9.3
16	7.4	6.9	6.8	7	7.2	6.9	7.2	6.7	7.4	6.7	7.4	8.3	7.4	7.2	6.2	7.4	5.9	4.7	2.7	1.3	0.2	0.4	1.1	1.6	5.5
17	1.4	2	1.1	1.3	2.1	1.3	1.3	2.6	4.9	4.7	4.6	5.5	5.4	5.6	5.2	4.4	4.4	2.8	2.1	2.4	2.8	2.9	2.8	6.9	3.3
18	5.3	1.9	1.3	1.5	0	0.2	0.4	1.9	3	3	2	2.7	2.4	2.8	4	5.1	4.6	3.9	3.3	2.9	2.8	2.3	2.3	2.2	2.6
19	2.1	1.4	1.3	0.9	0.7	0.3	1.4	1.6	3.4	4	4.3	4.5	5.3	5	5.4	5	5	4.1	3.8	3.6	3.2	2.3	2	1	3
20	0.9	0.4	0.6	0	0.2	0.4	0.2	1.6	3.4	4.4	5.3	5.1	6	5.7	5	5.3	5.1	2.9	3.5	4.5	3.2	4	5	1.9	3.1
21	3	4.6	2	3.3	1.8	1.7	2.3	2.2	1.8	2.7	3.2	4.3	4.5	4.8	4.6	4.2	3.5	2.9	2.5	3	2.3	1.6	0	0	2.8
22	0	0.1	0.6	0.8	0.1	0.3	0	0.6	2.7	3.1	2.8	2	2.4	2	3.7	4.2	5	4	2.9	2.7	1.7	1.5	1.3	0.5	1.9
23	0	0.1	0	0.9	1.2	0.7	1.5	2	3.2	3.5	4	4.3	4.2	4.9	4.4	3.9	3.1	2.1	2	1.8	2.1	1.8	0.8	0.2	2.2
24	1.1	0.1	0.4	1.4	1	1.1	2.1	3.2	6.6	7.2	6.3	6.3	6.2	6.4	8.3	7.1	7.5	6	5.3	5.2	5.3	5.3	5.1	4.4	4.5
25	3	2.5	2.4	2.6	2.3	2	2	2.8	4.2	5.5	5.5	5.1	5.4	5.5	4.8	5	5	4.4	3.1	2.5	3	2.8	2	1.8	3.5
26	0.3	0.9	1.3	0.8	0	0.3	0.7	1.2	3.9	6	5.7	6.5	6.1	6.3	6.3	5.6	3.9	3.8	4.2	3.6	3.7	4.9	5.7	5.4	3.6
27	6.1	5.7	3.7	3.6	3.3	2.7	3.1	5	6.9	7.5	6.8	6.1	5.7	5	4.5	3.7	3.6	3.1	2.7	3.1	2.5	1.7	2.4	1.6	4.2
28	1.8	1.3	1.3	1.3	1	1	1.2	1.4	3	3.9	4.6	3.9	4.7	4.6	4.8	4.6	4.8	3.7	3.1	2	0.9	1	0.4	0.2	2.5
29	0.6	0.3	0.1	0	0	0	0.9	2.9	4.3	4.5	6	6.5	6.4	5.1	4.1	3.1	2.3	1.8	4.9	5.7	6	4	5.5	5.8	3.4
30	6.5	7	6.6	6.3	5.4	5.6	5.8	4.9	5	7.7	7.8	7.6	7.2	6.6	6	5.4	5.1	4.7	3	2.7	2.2	1.7	2.1	1.7	5.2
Avg	2.8	2.6	2.6	2.8	2.5	2.4	2.8	3.7	5.1	5.9	6.2	6.2	6.3	6.1	6	5.9	5.5	4.7	4	3.6	3.3	3.1	3.1	2.9	4.2
SD	2.4	2.3	2.3	2.6	2.4	2.3	2.4	2.3	2.5	2.5	2.5	2.4	2.3	2.1	2	1.9	1.8	1.5	1.7	2	2	2.3	2.4	1.8	
S/A	0.84	0.88	0.91	0.93	0.97	0.96	0.82	0.64	0.45	0.42	0.4	0.39	0.37	0.35	0.33	0.33	0.33	0.39	0.37	0.47	0.59	0.64	0.73	0.82	0.43
Min	0	0	0	0	0	0	0	0.6	1.8	2.7	2	2	2.4	2	2.3	3.1	2.3	1.8	2	1.3	0.2	0.4	0	0	1.9
Max	7.8	7.8	9.5	12	10.8	9.3	9.8	10.2	10.6	12.2	12.1	12.3	11.3	10.1	10.2	10	8.8	8.6	7.6	9	9.1	9.9	9.1	9	9.3
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.

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

September 2005

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	1008	1008	1008	1008	1009	1009	1010	1011	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	1011	1012	1012	1013	1013	1013	1011
2	1013	1013	1013	1013	1013	1013	1014	1014	1015	1015	1015	1015	1014	1014	1013	1013	1013	1012	1012	1012	1013	1013	1013	1013	1013
3	1013	1013	1013	1013	1014	1014	1015	1015	1015	1016	1016	1016	1015	1015	1015	1014	1014	1015	1015	1015	1016	1016	1016	1016	1015
4	1016	1016	1016	1016	1016	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1018
5	1020	1020	1020	1020	1021	1021	1021	1022	1022	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1024	1024	1024	1024	1022
6	1023	1023	1022	1022	1022	1023	1023	1023	1024	1025	1025	1025	1024	1024	1024	1023	1024	1023	1023	1023	1023	1023	1023	1023	1023
7	1022	1022	1021	1021	1020	1021	1021	1021	1021	1022	1022	1022	1021	1021	1020	1020	1020	1020	1019	1019	1019	1018	1018	1018	1020
8	1018	1018	1017	1017	1017	1017	1018	1018	1018	1018	1018	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1016	1016	1015	1017
9	1015	1015	1014	1014	1014	1015	1015	1016	1016	1016	1016	1016	1016	1016	1015	1015	1015	1016	1016	1016	1016	1016	1016	1016	1016
10	1016	1016	1016	1016	1016	1017	1017	1018	1018	1019	1019	1019	1018	1018	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1018
11	1018	1018	1019	1018	1019	1019	1020	1021	1021	1022	1022	1022	1022	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1021
12	1020	1020	1019	1019	1020	1020	1020	1020	1020	1019	1019	1019	1018	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1015	1018
13	1015	1015	1014	1014	1014	1014	1014	1014	1014	1015	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1012	1014
14	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1010	1010	1009	1009	1008	1008	1008	1008	1008	1009	1009	1008	1008	1010
15	1008	1008	1007	1007	1007	1007	1008	1008	1009	1009	1009	1009	1009	1009	1009	1010	1010	1010	1010	1010	1011	1011	1011	1011	1009
16	1010	1010	1010	1009	1009	1009	1010	1010	1010	1011	1011	1011	1011	1011	1011	1010	1011	1011	1011	1011	1012	1012	1012	1012	1011
17	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013	1012	1012	1011	1011	1011	1011	1011	1011	1012	1012	1012	1012	1012
18	1013	1013	1013	1013	1013	1013	1014	1015	1015	1015	1015	1015	1014	1014	1014	1015	1015	1015	1016	1016	1017	1017	1017	1018	1015
19	1018	1018	1018	1018	1018	1019	1020	1020	1021	1022	1022	1022	1022	1021	1021	1020	1020	1020	1021	1021	1020	1021	1021	1021	1020
20	1020	1020	1019	1019	1019	1019	1020	1020	1020	1020	1020	1019	1019	1018	1017	1016	1016	1016	1017	1016	1017	1017	1019	1018	1018
21	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1019	1019	1019	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1018
22	1018	1018	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1018	1017	1017	1016	1016	1016	1015	1016	1016	1016	1016	1016	1017
23	1016	1015	1015	1015	1015	1016	1016	1016	1016	1016	1016	1015	1015	1014	1014	1014	1014	1015	1015	1015	1015	1015	1016	1016	1015
24	1016	1016	1016	1016	1016	1017	1017	1018	1019	1019	1019	1020	1020	1020	1019	1020	1020	1020	1020	1021	1021	1022	1022	1022	1019
25	1022	1021	1021	1021	1021	1022	1022	1022	1023	1023	1023	1023	1022	1021	1021	1020	1020	1019	1019	1019	1019	1019	1019	1018	1021
26	1018	1017	1016	1016	1016	1016	1016	1016	1015	1015	1014	1013	1012	1011	1010	1010	1010	1009	1009	1010	1010	1009	1010	1009	1013
27	1009	1009	1009	1009	1010	1011	1011	1012	1013	1013	1014	1014	1014	1013	1013	1013	1014	1014	1015	1015	1015	1016	1016	1016	1013
28	1016	1016	1016	1016	1017	1017	1018	1019	1019	1019	1019	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1016	1016	1017
29	1015	1015	1014	1013	1013	1013	1013	1013	1013	1013	1012	1012	1011	1010	1009	1009	1010	1010	1011	1012	1013	1014	1014	1014	1012
30	1015	1015	1015	1015	1016	1016	1017	1018	1019	1019	1020	1020	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020	1020	1020	1018
Avg	1016	1016	1015	1015	1015	1016	1016	1017	1017	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016
S D	4	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	0
Min	1008	1008	1007	1007	1007	1007	1008	1008	1009	1009	1009	1009	1009	1009	1009	1008	1008	1008	1008	1008	1009	1009	1008	1008	1009
Max	1023	1023	1022	1022	1022	1023	1023	1023	1024	1025	1025	1025	1024	1024	1024	1023	1024	1023	1023	1023	1024	1024	1024	1024	1023
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.

Elizabeth City State University
36.28 N Latitude 76.22 W Longitude 26 Meters AMSL Time Zone -5

September 2005

Battery Voltage (CR10)
Hourly and Daily Averages
Instrument: CSI
Volts DC

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	12.7	12.7	12.7	12.7	12.6	12.6	12.9	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
2	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
3	12.7	12.7	12.7	12.7	12.6	12.6	13	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
4	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
5	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
6	12.7	12.7	12.7	12.7	12.7	12.6	13.1	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.3	13.3	13.1	12.8	12.8	12.8	12.8	12.7	12.7	13
7	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.8	13.2	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.1	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.9
8	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.4	13.3	13.3	13.3	13.2	13.2	13.2	13.1	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
9	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.4	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
10	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.1	13.3	13.3	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13	12.8	12.8	12.8	12.8	12.8	12.8	13
11	12.7	12.7	12.7	12.7	12.7	12.6	12.9	13.3	13.3	13.3	13.3	13.3	13.3	13.2	13.2	13.3	13.3	12.9	12.8	12.8	12.8	12.7	12.7	12.7	13
12	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.2	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.9
13	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.9
14	12.7	12.7	12.7	12.7	12.7	12.6	13	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.3	13.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13
15	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.8	13.2	13.2	13.2	13.2	13.2	13.1	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.9
16	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.1	13.2	13.2	13.2	13.1	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
17	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
18	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
19	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
20	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.3	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.9
21	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
22	12.7	12.7	12.7	12.7	12.6	12.6	12.9	13.4	13.3	13.2	13.2	13.1	13.1	13.2	13.2	13.2	13.1	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
23	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.3	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.9
24	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.1	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.9
25	12.7	12.7	12.7	12.7	12.6	12.6	12.9	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
26	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.9
27	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
28	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.9
29	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
30	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
Avg	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.2	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
S D	0	0	0	0	0	0	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0
S/A	0	0	0	0	0	0	0.01	0.02	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
Min	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9
Max	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.5	13.4	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.1	12.8	12.8	12.8	12.8	12.8	12.8	13
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: Battery 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.