

September 2012

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	9	90	238	456	659	756	805	381	617	541	428	193	78	10	0	0	0	0	0	5261
2	0	0	0	0	0	6	40	105	259	269	381	387	563	686	402	502	249	36	3	0	0	0	0	0	3888
3	0	0	0	0	0	7	77	145	92	75	72	128	462	350	505	435	262	85	11	0	0	0	0	0	2706
4	0	0	0	0	0	8	59	273	527	480	657	853	753	856	525	455	307	79	7	0	0	0	0	0	5839
5	0	0	0	0	0	10	104	297	478	607	771	774	772	686	525	495	221	50	24	0	0	0	0	0	5814
6	0	0	0	0	0	10	90	264	463	580	717	817	684	455	303	83 ?	81	45	15	0	0	0	0	0	4607
7	0	0	0	0	0	10	42	127	487	376	543	708	818	840	543	424	116	71	9	0	0	0	0	0	5114
8	0	0	0	0	0	7	59	273	316	488	456	596	610	798	598	256	293	99	7	0	0	0	0	0	4856
9	0	0	0	0	0	0	5 ?	52	159	216	428	730	564	337	507	348	144	103	8	0	0	0	0	0	3601
10	0	0	0	0	0	9	94	288	489	667	782	813	834	743	681	501	289	91	6	0	0	0	0	0	6288
11	0	0	0	0	0	7	86	288	494	676	759	819	810	812	678	503	299	96	5	0	0	0	0	0	6332
12	0	0	0	0	0	11	87	286	488	659	786	867	866	800	669	491	288	88	5	0	0	0	0	0	6393
13	0	0	0	0	0	5	89	262	458	589	675	856	630	503	270	441	262	75	4	0	0	0	0	0	5120
14	0	0	0	0	0	6	44	119	493	649	699	661	813	772	653	458	236	56	5	0	0	0	0	0	5663
15	0	0	0	0	0	6	67	258	461	596	539	402	535	757	543	410	257	60	3	0	0	0	0	0	4892
16	0	0	0	0	0	8	96	249	439	636	733	674	541	183	290	155	49	10	2	0	0	0	0	0	4066
17	0	0	0	0	0	6	66	273	380	570	471	225	691	467	491	177	36	42	1	0	0	0	0	0	3898
18	0	0	0	0	0	4	57	215	430	476	582	469	253	117	58 ?	113	45	6 ?	0	0	0	0	0	0	2825
19	0	0	0	0	0	1	11	58	151	190	208	204	455	386	211	136	68	30	0	0	0	0	0	0	2107
20	0	0	0	0	0	4	60	264	406	576	705	617	526	536	495	453	134	36	0	0	0	0	0	0	4811
21	0	0	0	0	0	3	72	251	402	601	727	709	838	494	525	331	225	41	0	0	0	0	0	0	5218
22	0	0	0	0	0	1	50	135	289	495	432	555	708	633	500	406	205	46	0	0	0	0	0	0	4455
23	0	0	0	0	0	2	59	233	423	599	718	791	805	677	611	434	229	51	0	0	0	0	0	0	5631
24	0	0	0	0	0	3	69	258	459	631	692	713	546	658	618	357	227	47	0	0	0	0	0	0	5278
25	0	0	0	0	0	3	68	256	454	624	751	819	818	743	606	420	206	30	0	0	0	0	0	0	5799
26	0	0	0	0	0	2	55	229	397	580	705	760	754	683	551	377	190	39	0	0	0	0	0	0	5321
27	0	0	0	0	0	2	54	221	409	560	679	757	759	668	562	390	195	32	0	0	0	0	0	0	5287
28	0	0	0	0	0	1	53	213	369	555	686	731	641	517	343	282	159	20	0	0	0	0	0	0	4569
29	0	0	0	0	0	0	12	27	57	107	146	215	140	72	71	41	31	4	0	0	0	0	0	0	922
30	0	0	0	0	0	0	40	225	373	566	595	825	475	394	303	216	103	22	0	0	0	0	0	0	4136
Avg	0	0	0	0	0	5	62	213	385	512	595	643	635	575	473	351	187	52	4	0	0	0	0	0	4690
S D	0	0	0	0	0	3	25	78	125	170	193	220	182	215	169	139	87	28	6	0	0	0	0	0	1279
S/A	0	0	0	0	0	0.67	0.41	0.37	0.32	0.33	0.32	0.34	0.29	0.37	0.36	0.4	0.46	0.54	1.33	0	0	0	0	0	0.27
Min	0	0	0	0	0	0	5	27	57	75	72	128	140	72	58	41	31	4	0	0	0	0	0	0	922
Max	0	0	0	0	0	11	104	297	527	676	786	867	866	856	681	503	307	103	24	0	0	0	0	0	6393
n	0	0	0	0	0	78	355	358	360	360	360	360	360	359	353	355	352	341	57	0	0	0	0	0	4408

Daylight Data Recovery: 0.0% missing; 0.0% untested; 0.7% exceed the 15% QC threshold -- 4439 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31392F3 Calibration Factor: 7.3961 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 07/2007

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 2012

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	0	0	0	0	0	*	*	*	*	*	*	?	*	*	*	*	*	*	*	0	0	0	0	0	*	
2	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
3	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
4	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
5	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
6	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
7	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
8	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
9	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
10	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
11	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
12	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
13	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
14	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
15	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
16	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
17	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
18	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	*	
19	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
20	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
21	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
22	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
23	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
24	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
25	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
26	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
27	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
28	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
29	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
30	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
Avg	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	N/A	*
SD	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	0
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	0
Min	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	N/A	
Max	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	N/A	
n	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	0

Daylight Data Recovery: 99.8% missing; 0.0% untested; 0.2% exceed the 15% QC threshold -- 4439 total daylight measurements.

Instrument: Eppley NIP Serial Number: 23398E6 Calibration Factor: 7.1447 μV/W/m² Calibration Date: 07/2007

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 2012

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	11	76	106	145	150	224	250	282	382	411	252	186	67	9	0	0	0	0	0	2549
2	0	0	0	0	0	7	40	105	254	269	379	380	430	364	256	153	100	36	2	0	0	0	0	0	2777
3	0	0	0	0	0	8	69	137	92	75	72	128	420	350	365	210	109	56	11	0	0	0	0	0	2101
4	0	0	0	0	0	8	58	262 ?	444 ?	399	375	246	260	301	265	242	118	59	7	0	0	0	0	0	3043
5	0	0	0	0	0	9	79	346 ?	416 ?	499 ?	639 ?	496	331	313	258	164	73	35	24	0	0	0	0	0	3682 ?
6	0	0	0	0	0	11 ?	87	261	424 ?	460 ?	574 ?	689 ?	529	338	253	60	72	45	15	0	0	0	0	0	3817 ?
7	0	0	0	0	0	13 ?	41	127	440 ?	376	508	575 ?	400 ?	590	332	231	98	45	9	0	0	0	0	0	3785 ?
8	0	0	0	0	0	8 ?	58	237 ?	316	440 ?	456	538 ?	515 ?	?	444 ?	197	193	65	7	0	0	0	0	0	3474 ?
9	0	0	0	0	0	0	6 ?	49	159	216	425	533 ?	428 ?	288	341 ?	275 ?	140	83	4	0	0	0	0	0	2948 ?
10	0	0	0	0	0	7	89	359 ?	?	?	?	439 ?	518 ?	210 ?	473 ?	109	50	24	4	0	0	0	0	0	2281 ?
11	0	0	0	0	0	7	33	52	55	79	145	121	136	74	58	50	39	23	4	0	0	0	0	0	875
12	0	0	0	0	0	9 ?	32	50	58	77	89	82	83	78	70	63	50	27	4	0	0	0	0	0	772
13	0	0	0	0	0	7 ?	36	65	83	207	244	297	343	345	270	222	91	38	4	0	0	0	0	0	2253
14	0	0	0	0	0	8 ?	44	114	138	97	205	259	253	118	92	88	86	46	5	0	0	0	0	0	1551
15	0	0	0	0	0	6 ?	43	71	82	216	328	362	325	174	226	179	111	47	2	0	0	0	0	0	2172
16	0	0	0	0	0	13 ?	56	104	166	159	187	316	440	183	286	155	46	10	2	0	0	0	0	0	2122
17	0	0	0	0	0	6	51	140	255	165	408	222	274	293	199	143	35	42	1	0	0	0	0	0	2234
18	0	0	0	0	0	4	33	81	147	259	255	335	253	117	50	113	39	6 ?	0	0	0	0	0	0	1694
19	0	0	0	0	0	1	11	58	151	190	208	204	446	371	211	136	68	30	0	0	0	0	0	0	2084
20	0	0	0	0	0	6 ?	53	176	195	214	298	423	422	359	288	224	127	35	0	0	0	0	0	0	2818
21	0	0	0	0	0	4 ?	34	76	74	87	147	199	185	214	184	159	70	35	0	0	0	0	0	0	1469
22	0	0	0	0	0	1	48	132	234	305	258	234	234	258	248	162	78	32	0	0	0	0	0	0	2223
23	0	0	0	0	0	2	32	75	109	135	144	277	128	240	94	62	43	18	0	0	0	0	0	0	1360
24	0	0	0	0	0	3	23	43	51	59	129	194	233	174	152	94	44	17	0	0	0	0	0	0	1216
25	0	0	0	0	0	?	23	45	57	65	68	69	70	72	86	66	54	17	0	0	0	0	0	0	691
26	0	0	0	0	0	?	30	88	112	122	127	134	142	145	138	133	92	29	0	0	0	0	0	0	1292
27	0	0	0	0	0	?	33	75	97	135	202	140	129	121	115	92	60	20	0	0	0	0	0	0	1218
28	0	0	0	0	0	?	34	92	116	134	183	186	317	325	285	217	87	20	0	0	0	0	0	0	1996
29	0	0	0	0	0	0	12	26	57	107	146	215	140	70	66	41	28	4	0	0	0	0	0	0	910
30	0	0	0	0	0	0	27	77	104	108	190	250	314	239	207	211	100	22	0	0	0	0	0	0	1850
Avg	0	0	0	0	0	6	43	121	173	200	263	293	299	245	224	150	83	34	4	0	0	0	0	0	2109
S D	0	0	0	0	0	4	21	87	124	127	151	156	135	123	117	68	41	19	5	0	0	0	0	0	899
S/A	0	0	0	0	0	0.63	0.5	0.72	0.72	0.64	0.58	0.53	0.45	0.5	0.52	0.45	0.5	0.54	1.44	0	0	0	0	0	0.43
Min	0	0	0	0	0	0	6	26	51	59	68	69	70	70	50	41	28	4	0	0	0	0	0	0	691
Max	0	0	0	0	0	13	89	359	444	499	639	689	529	590	473	275	193	83	24	0	0	0	0	0	3817
n	0	0	0	0	0	60	355	328	319	329	329	326	334	335	341	355	360	341	57	0	0	0	0	0	4170

Daylight Data Recovery: 0.0% missing; 0.0% untested; 6.1% exceed the 15% QC threshold -- 4439 total daylight measurements.

Instrument: Eppley PSP Serial Number: 31393F3 Calibration Factor: 7.6820 $\mu\text{V}/\text{W}/\text{m}^2$ Calibration Date: 07/2007

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 2012

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	25.1	24.7	24.4	24.1	24.1	24	24.3	25.3	27.1	29.5	32.4	34.2	33.2	33.1	33.1	31.8	30.8	29.3	28.2	27.5	26.7	26.3	26.1	26.1	28.3
2	25.7	25.2	24.7	24.4	24.3	24	24.6	25.6	27.1	28.2	29	30.1	30.5	31	30.6	29.3	28.9	27.2	26	24.8	23.8	23.8	23.3	23.2	26.5
3	23.4	23.4	23.1	23.1	23.4	23.3	24.1	25.5	25.9	24.9	23.7	23.3	24.8	26.6	28	29.3	29.1	28.2	26.8	26.3	25.6	25.4	25.1	25	25.3
4	24.8	24.6	24.6	24.6	24.6	24.4	24.4	25.6	26.9	27.7	28.3	29.8	30.2	31.1	30.6	30.2	29.9	29	27.4	26.7	26.1	25.8	25.4	25	27
5	24.7	24	23.7	23.4	23.5	23.7	24.3	25.6	26.7	27.4	28.4	29.2	30.1	30.6	30.7	31.4	30.8	29.6	28.8	28	27.4	26.9	26.5	25.8	27.1
6	25.3	25	24.6	24.3	24.1	23.9	24.3	25.4	26.7	28.3	29.1	30.1	30.9	30.8	27.8	23.6	23	22.8	22.8	22.8	23	22.8	22.8	22.5	25.3
7	22.4	22.1	22.1	22	21.9	21.9	22.1	22.8	25.4	26.3	27.3	28.5	29.3	29.7	29.2	29.3	28	27.9	26.9	26.3	25.9	25.8	25.4	25.1	25.6
8	25.1	25.1	24.9	24.7	24.7	24.7	24.9	25.9	26.6	27.4	28.2	29.2	30.1	30.9	30.6	28.6	28.2	27.2	25.6	25	25	24.9	22.2	21.3	26.3
9	21.2	21.2	20.7	20.1	19.8	20	19.3	19.1	19.6	20.4	21.7	23.6	24.6	24.4	25.3	25.1	24	23.9	22	20.3	19.4	18.9	18.1	17.6	21.3
10	17.4	17.2	16.6	15.9	15.6	15.4	15.5	17.5	19.7	21.3	22.8	23.6	24.1	24.6	24.6	24.7	24.1	23.5	21.5	20	19	18.1	17.1	16.5	19.8
11	15.9	15.4	15.7	15.4	15.1	15.4	16.3	19	21.2	22.4	22.9	23.5	23.8	23.9	23.8	23.5	22.8	21.4	19.7	19	18.6	18.3	17.4	16.8	19.5
12	16	14.8	14.8	14	13.8	13.9	15	18	20.7	22.2	23.4	24	24.5	24.4	24.5	24	23.4	22.4	20.8	20.1	19.4	18.7	17.8	16.4	19.5
13	15.5	15.6	15.8	16.3	16.4	16.7	17.3	20.3	22.9	24.6	25.3	26.3	26.1	25.6	24.7	25.1	24.8	23.9	22.6	21.7	21.2	21.1	20.7	20.4	21.3
14	20.7	20.4	19.4	19.3	19	19.3	19.5	20.8	23.3	25.2	26	26.1	26.6	26.6	26.7	26.3	25.6	24.3	23.3	22.7	22.3	21.1	20.5	19.9	22.7
15	19.7	18.8	18.3	18.2	18.1	17.8	18.4	20.2	22	23.4	24.3	24.1	24.1	24.6	24.6	24	24	22.7	21.1	20.1	19.5	19	18.6	17.5	21
16	15.9	14.8	14.2	14.1	14	13.8	14.8	17.9	21.3	23.2	23.9	24.5	24.5	24	23.7	23.1	22.4	21.4	20.5	20.1	19.9	19.8	19.7	19.7	19.6
17	19.7	19.7	20.1	20.3	20.2	20.3	20.7	22.1	23.3	24.4	24.7	24.4	25	25.5	25.4	24.7	23.6	24	23.4	23.1	22.8	23	22.9	22.3	22.7
18	22.5	22.6	22.9	23	23.2	23.4	23.9	24.9	26.2	27	27.9	28.3	27.8	26.2	25	24.2	24.4	24	23.7	23.6	23	22.9	22.7	22.6	24.4
19	22.2	21.9	21.7	21.4	21	19.9	18.9	18.6	19	20	20.4	20.6	21.3	21.5	20.9	20.7	20.4	20.1	19.5	19.1	18.7	18	17.7	17.4	20
20	17.2	17.3	17.5	17.9	18.1	18.1	18.4	19.7	21.2	22.5	23.1	23.3	23.2	23.4	23.2	23.3	22.1	21.1	20.1	19.2	18.6	18.5	17.7	17.1	20.1
21	16.6	16	15.8	15.3	14.6	14.3	14.2	17.1	20.1	22.2	23.4	24.3	25.6	25.4	26	25	24.5	23	21.5	20.5	19.8	18.9	19.1	18.6	20.1
22	18.1	18.1	18.5	18	17.8	17.7	17.9	19	20.7	22.6	23.9	24.3	25.7	26.2	26.3	26.4	26.3	25.3	23.8	23	22.6	22.3	22.3	21.9	22
23	21.5	21	20.6	20	19.5	19.3	19.3	20.4	21	21.4	21.4	21.8	22.2	22.7	22.5	22.2	21.3	19.8	18.2	17.2	16.9	16.5	16.2	15.3	19.9
24	14.9	14.5	14.2	13.9	13.1	12.2	13.1	16.4	18.8	20	20.5	21.1	21.2	21.3	21.5	20.7	20.5	19.3	17.9	16.5	15.6	15.6	15.6	15.1	17.2
25	13.9	12.4	12.4	12.2	12.5	12.7	13.9	17.2	19.4	20.6	21.7	22.7	23	23.5	23.8	24.2	23.9	22.2	20.1	19.2	18.7	18.9	18.4	18.4	18.6
26	17.5	17.6	17.2	17.2	16.8	16.7	17	18.7	21.1	23.3	24.3	25.4	26.3	26.9	27.3	27.2	26.8	24.6	23	21.9	21.3	20.7	20.2	19.7	21.6
27	19.3	18.8	18.3	17.8	17.5	17.3	17.6	19.3	21.7	24.3	26.3	27.6	27.6	28.1	27.5	27.7	26.8	25	23.2	22.2	21.4	21	20.5	20.1	22.4
28	19.9	19.7	19.1	18.8	18	17.1	17.7	19.1	21.5	23.9	25.7	26.9	27.8	27.9	27.9	27.4	27.4	25.7	24.4	23.7	22.9	22.3	22.2	21.7	22.9
29	21.2	20.9	20.5	19.9	19.5	19.3	19.1	18.1	17.5	17.5	17.7	18.4	18.7	18.1	16.5	16.3	16.3	16.4	16.4	16.2	16	15.5	15.6	15.3	17.8
30	14.6	14.3	14.6	14.7	14.6	14.7	14.6	15.7	17.6	19.2	20.3	21.8	22	22	21.7	21.6	20.9	20.1	19.3	18.7	18.1	17.4	16.9	16.8	18
Avg	19.9	19.6	19.4	19.1	19	18.8	19.2	20.7	22.4	23.7	24.6	25.4	25.8	26	25.8	25.4	24.9	23.9	22.7	21.9	21.3	21	20.5	20	22.1
S D	3.7	3.8	3.7	3.8	3.8	3.9	3.8	3.3	3.1	3.1	3.3	3.5	3.4	3.5	3.5	3.5	3.5	3.3	3.2	3.3	3.3	3.3	3.4	3.4	3.1
S/A	0.18	0.19	0.19	0.2	0.2	0.21	0.2	0.16	0.14	0.13	0.13	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.14	
Min	13.9	12.4	12.4	12.2	12.5	12.2	13.1	15.7	17.5	17.5	17.7	18.4	18.7	18.1	16.5	16.3	16.3	16.4	16.4	16.2	15.6	15.5	15.6	15.1	17.2
Max	25.7	25.2	24.9	24.7	24.7	24.7	24.9	25.9	27.1	29.5	32.4	34.2	33.2	33.1	33.1	33.1	31.8	30.8	29.3	28.2	27.5	26.9	26.5	26.1	28.3
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% untested; 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 2012

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	?	?	?	?	?	?	?	104.8 ?	101.7	94.3	80	66.2	68.9	78.5	78.3	75.7	78.4	78.5	88	93.9	98.4	100.5	100.8	100.7	87.5 ?	
2	102.1	103.5	104.5 ?	?	?	?	?	103.3 ?	99.1	96.4	92.8	90.6	90.6	81.2	82.3	86.6	89.2	95.4	98.3	101.2	?	?	?	?	94.8 ?	
3	?	?	?	?	?	?	?	104.6 ?	104.7 ?	?	?	104.7 ?	103.7	97.4	88.2	78.3	79.2	86.4	94	97.9	102.2	103.2	104.5	?	96.4 ?	
4	?	?	?	?	?	?	?	103.8 ?	98.4	94.8	92.4	80.7	78.9	78	80.8	84.6	89.4	92.5	97.8	101.9	104	103.7	102.6	103	93.4 ?	
5	101.5	102.4	104.5 ?	?	?	?	104 ?	101.4	98.3	95.1	91.7	89.4	85.7	83.5	83.3	81.7	83.2	88.2	93.3	97.5	102.4	102.9	102.1	102.4	95 ?	
6	102.1	102.6	104.6 ?	?	?	?	?	104.4 ?	100.7	96	93	88.9	84.5	85.1	96.8	103.7 ?	?	?	?	?	?	?	?	?	96.9 ?	
7	?	?	?	?	?	?	?	103.9	97.8	96.5	94.2	89.3	86.6	86.8	90.4	90.9	97.3	97	100.9	103.1	104	104.5	?	?	96.2 ?	
8	?	?	?	?	?	?	?	103.2 ?	101.5	98.8	96.6	92.6	88.2	85.7	85.9	92	95.6	94.5	100.9	102.6	103.4	104.6	104 ?	?	96.9 ?	
9	?	?	?	?	?	104.5	?	?	?	104.8 ?	100.7	91.6	87.4	87.5	82.5	79.8	79.9	79	85.5	92.5	94	96.1	99.2	100.9	91.6 ?	
10	100.3	99.7	101	103	103.3	102.7	102.4	97.9	91.6	87.5	79.6	72.7	69.7	64.8	64	63.5	62.5	65.3	75.8	84.2	88.7	91.3	94.7	96.6	85.9	
11	98.8	100.9	99.7	101.1	101.5	99.1	95.9	81.6	71.8	64.9	61.7	60	62.5	61.9	59.4	60.7	64.4	72.2	81	84.4	87.5	89.5	95.1	98.5	81.4	
12	101.5	?	?	?	?	?	103.3 ?	96.5	87.6	81.8	71.2	67.1	66.7	67.5	67.5	69.8	72	77.3	86.6	91.4	95.1	98.3	102.2 ?	?	83.5 ?	
13	?	?	?	?	?	?	?	103.1 ?	99.3	92.9	87.1	82.2	83	87.1	91.2	91.6	91	94.9	100.1	103.2	104.6	?	?	?	93.7 ?	
14	104.3 ?	103.7 ?	?	?	?	?	?	104.7 ?	99	87.7	83	80.6	74.9	75.1	77.7	77	80.3	87.4	94	98.4	100.5	103.7 ?	?	?	90.1 ?	
15	?	?	?	?	?	?	?	103.5 ?	99.3	96.4	90.1	90.4	84.8	71.1	65.7	67.2	71.3	76.1	84.4	89.3	91.6	93	92.2	96.5	86.1 ?	
16	102.5	104.7 ?	?	?	?	?	102.8 ?	96.3	83.9	73	67.5	65.3	61.5	64	71.7	76.5	76.2	83.1	97	99.6	100.3	99.3	99.1	99	86.2 ?	
17	101	102.2	100.3	98.4	101.4	99.7	96.4	93.2	88.4	84.2	84.6	87.4	87.7	84.7	87.7	91.7	97.4	99	102.8	101.9	103.3	103.6	104.7 ?	?	95.7	
18	?	104.5 ?	104.6	104.9 ?	103.8	102.6	100.5	97.9	94.9	93.7	91.4	89.7	87.9	95.2	101.5	?	104.2	104.6 ?	?	?	?	?	?	?	98.9 ?	
19	?	?	?	?	?	?	?	100.3	95.7	96.4	92.2	87.8	82.8	81.6	77.6	76	79.7	82.8	85.6	88	91.1	92.2	95.5	98.3	99.2	99.8
20	100.2	99.6	98.9	97.6	96.9	98.2	100.3	95.8	91.1	83.8	77	76.6	77.6	77.3	77.4	74.6	77.3	85.2	89.9	94.1	97.2	97.9	100.3	102.5	90.3	
21	104.2	?	?	?	?	?	?	101.9 ?	93.5	81.3	77.7	76	72	73.9	73.7	79.4	81	85.3	92.3	97	99.5	101.8	99	101.9	88.4 ?	
22	104.4 ?	?	?	?	?	?	?	?	102.7	96.8	89.8	89.3	83.8	84	85	85.5	86.2	90.2	96.7	101.3	103.2	102.8	101.7	102.6	94.5 ?	
23	102.9	104.5 ?	?	?	?	?	101 ?	92.5	83.4	74.7	68.4	69	67.8	66.1	63.7	63.9	66	70.4	77.6	84.4	87	87.1	88.6	92.7	80.6 ?	
24	93.1	93.6	94.4	94.8	97.1	100.7	97.9	83.4	71.3	60.3	58.9	61.3	61.7	61.5	60.4	61.1	60.9	65.4	71.5	80.6	85.6	85.3	85.3	90.5	78.2	
25	95.8	100.7	99.6	100.7	100.1	99	96.2	87.2	77.2	69.4	63.7	57.4	53.3	56.1	58.5	59.6	62.6	70.9	79.3	90.6	96.5	96	99.7	100.5	82.1	
26	103.8	?	?	?	?	?	?	101.8 ?	94.9	81.6	76.8	73.8	71.7	69.3	67.4	69.7	71.3	83.5	91.4	96.3	97.5	99.2	101	103.6	86.4 ?	
27	?	?	?	?	?	?	?	?	104 ?	99.4	87.8	78.4	71.9	69.9	65.9	73.5	66	67.7	79.1	92.8	100	103.7 ?	?	?	82.9 ?	
28	?	?	?	?	?	?	?	?	99.2 ?	88.8	78.3	71.7	72	73	73.7	74	72.2	82.8	89	95.6	100.7	102.3	103.5	104.5 ?	86.3 ?	
29	?	?	?	?	?	?	?	?	?	?	?	?	104.5	?	?	?	105 ?	104.9 ?	?	?	?	104.9 ?	?	?	?	?
30	?	?	?	?	?	?	?	102.3 ?	96.4	89.8	82.9	76.7	75.5	78.1	78.7	81.6	88.4	92.8	98.2	101.8	104	104.9 ?	?	?	90.1 ?	
Avg	101.2	101.7	101.2	100.1	100.6	100.8	99.7	98.8	93.5	87.2	81.9	79.1	78	76.4	77.5	78.4	80.5	84.5	90.7	95.4	98.3	98.7	99	99.8	89.6 ?	
S D	3.1	3	3.4	3.4	2.7	2.1	3.1	6.6	9	10.8	11.1	11.7	12	10.4	11.2	12.1	12.5	10.2	8.3	6.5	5.9	5.8	5.2	3.8	5.7	
S/A	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.07	0.1	0.12	0.14	0.15	0.15	0.14	0.14	0.15	0.15	0.12	0.09	0.07	0.06	0.06	0.05	0.04	0.06	
Min	93.1	93.6	94.4	94.8	96.9	98.2	95.7	81.6	71.3	60.3	58.9	57.4	53.3	56.1	58.5	59.6	60.9	65.3	71.5	80.6	85.6	85.3	85.3	90.5	78.2	
Max	104.4	104.7	104.6	104.9	103.8	104.5	104	104.8	104.7	104.8	100.7	104.7	104.5	97.4	101.5	105	104.9	104.6	102.8	103.2	104.9	104.9	104.7	104.5	98.9	
n	170	132	105	79	84	106	122	228	329	326	336	344	358	348	347	335	338	333	324	322	309	268	232	199	6061	

Data Recovery: 0.0% missing; 0.0% untested; 29.6% failed QC -- 8640 total measurements.

Instrument: CSI HMP-35C Serial Number: P0520031 Calibration Factor: 0.10 %/mV Calibration Date: 01/1999

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

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

Prepared by: Afshin M. Andreas, NREL

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

September 2012

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	25.2	24.8	24.4	24.1	23.9	23.9	24	25.4	28.8	33.2	37.8	41.1	41.5	39.6	39.2	39.4	38.7	35.7	33	30.2	28.5	27.5	26.6	26	30.9
2	25.6	25.1	24.5	24	23.7	23.6	23.8	24.7	26.7	29.8	31.8	33.5	35.3	36.4	37.2	35.3	35.1	32.6	29.1	27	25.1	24.1	23.7	23.4	28.4
3	23.2	23.3	23.3	23.2	23.1	23	23.2	25.1	26.8	26.5	25.2	24.1	24.3	27.7	30.2	33.5	34.8	34.1	31.1	27.9	26.4	25.6	25.2	24.9	26.5
4	24.7	24.5	24.3	24.4	24.4	24.3	24.2	25.8	29.4	32.6	33.4	35	36.4	36.7	37.3	36.1	36	34.8	31.3	28.3	26.8	26	25.4	25	29.5
5	24.6	24.1	23.5	23.1	22.8	22.9	23.5	26.4	29.5	31.8	32.8	34.2	34.9	35.2	35.3	35.6	36.1	33.9	31.4	29.4	28.2	27.6	27	26.4	29.2
6	25.7	25.2	24.8	24.4	24.1	23.8	24.1	26.4	29.4	32.2	33.9	34.9	35.8	35.7	33.2	29	25.2	24.1	23.4	23.1	22.8	22.8	22.8	22.8	27.1
7	22.8	22.6	22.4	22.4	22.1	22	22	22.5	25.5	30.8	32.5	34.6	36.2	36.8	36.4	36.5	34.4	31.5	29.8	27.6	26.4	25.8	25.5	25	28.1
8	24.7	24.6	24.5	24.4	24.3	24.3	24.4	26	29.1	31	32.3	33.3	34.3	34.9	36.1	35.2	32.7	32.2	29.5	26.6	25.3	25	24.4	22.7	28.4
9	21.9	21.6	21.4	20.8	20.3	20.1	20	19.6	19.7	20.5	22.4	26.1	29.6	29.6	29.4	30.1	28.6	27	25.7	21.8	19.4	17.9	17.1	16.7	22.8
10	16.4	16.1	15.8	15.1	14.6	14.2	14.6	17.9	21.9	24.8	27.3	28.9	29.5	29.8	30.1	30.4	30	28.8	25.7	21.5	19	17.4	16.2	15.2	21.7
11	14.4	13.8	13.7	13.9	13.8	13.6	14.1	18	22.9	26.3	28.3	29.7	29.9	29.6	29.8	30	29.8	28	24.2	20.1	17.9	16.7	15.7	14.5	21.2
12	13.7	13.1	12.9	12.8	12.6	12.4	13	16.6	21.7	25.8	28.3	30	30.5	30.1	29.9	30	29.6	28.2	24.8	21	19.2	18.1	17.2	16.2	21.2
13	15.1	14.6	14.6	14.9	15.2	15.6	16.1	19.3	24.1	28	30.6	32.3	33.4	32.2	30.3	29.3	29.9	28.8	26	23.1	21.5	20.6	20.2	19.7	23.1
14	19.6	19.6	19.2	18.8	18.6	18.5	18.7	19.7	22.3	27.2	30.8	32	32.6	32.7	32.7	33	32	29.7	26.3	23.9	22.6	21.5	20.3	19.3	24.7
15	18.8	18.4	18	17.7	17.7	17.7	17.9	20	23.8	27	28.9	29.2	28.6	28.9	29.6	29.4	29.2	27.9	24.3	21.2	19.4	18.2	17.5	16.8	22.8
16	15.4	14.1	13.3	13	12.8	12.5	12.9	16.5	22.3	27.8	31.1	32.9	32.7	31.1	28.8	27.8	26	24.1	22.4	21.2	20.4	20.1	20	19.9	21.6
17	19.7	19.7	19.8	20	20	20	20.1	22.3	25.8	28.2	29.9	29.8	28.3	29.8	29.9	29.2	27	25.5	24.8	23.8	23.1	22.9	23	22.7	24.4
18	22.3	22.2	22.3	22.5	22.7	23.1	23.4	25	27.5	29.8	31.1	32	31.5	30	27.7	25.8	24.8	24.5	24	23.8	23.5	23.1	22.9	22.7	25.3
19	22.5	22.2	22	21.7	21.4	20.9	19.9	19.5	19.6	20.6	21.7	22.4	23.2	25	24.8	23.8	22.9	21.9	20.9	20	19.3	18.4	17.6	17.1	21.2
20	16.8	16.7	17.1	17.6	18	18.2	18.5	19.8	23	25.6	28	29.3	29.2	28.8	29.1	28.7	28	24.9	22.1	19.8	18.3	17.7	17.3	16.5	22.1
21	15.9	15.3	14.7	14.4	13.8	13.4	13.4	16.3	21.3	26.5	29.2	31.1	32	32.7	31.9	32.2	31.2	28.7	24.8	21.7	19.8	18.6	17.8	17.6	22.3
22	17.3	16.9	17	17.2	17.2	17.1	17.2	17.8	19.6	23.2	26.3	27.4	28.9	30.1	30.7	30.8	30.9	29.5	26.6	24.1	22.9	22.3	22	21.7	23.1
23	21.4	21	20.6	20	19.5	19.1	18.9	20.4	23.1	25.1	26.6	27.4	28.2	28.2	28.4	28.1	27.6	25.5	21.5	18.2	16.6	15.9	15.3	14.6	22.1
24	13.8	13.2	12.7	12.5	12.1	11.3	11.2	15	19.9	23.3	25.7	26.8	27.7	26.9	27.2	26.9	26.1	24.7	20.8	17.3	14.7	13.5	13	12.7	18.7
25	11.6	10.6	9.9	9.2	9	9.2	9.9	14.7	20.5	24.1	27.1	29.1	29.8	29.2	28.8	29.2	29.1	27.5	23.2	20.1	18.5	17.9	17.6	17.3	19.7
26	17	16.3	16	15.9	15.7	15.6	15.7	18.1	22.3	26.4	29.4	31.5	32.4	32.4	32.6	32.8	32.2	30.3	26.1	23	21.5	20.5	19.7	19.2	23.5
27	18.9	18.4	17.9	17.5	17.2	17	17	19	23.1	27.7	32.3	35.4	35.9	35	34.1	33.4	32.9	30.4	26.4	23.4	21.5	20.6	20	19.7	24.8
28	19.5	19.4	19.2	18.8	18.4	17.7	17.3	19.1	22.8	26.4	29.7	32.1	33.6	33.4	33.1	31.9	31.5	29.4	26.5	24.7	23.7	22.8	22.2	21.8	24.8
29	21.4	21	20.6	20.2	19.8	19.5	19.5	19.2	18.4	18	18.1	18.7	19.9	19.9	18.6	17.4	17	16.9	16.7	16.5	16.3	16	15.7	15.6	18.4
30	15.2	14.9	14.6	14.6	14.7	14.7	14.8	16	19.7	23.3	27.1	29.1	30.8	29.2	27.6	26.1	24.4	22.4	20.3	18.8	17.8	16.8	16.2	15.9	20.2
Avg	19.5	19.1	18.8	18.6	18.5	18.3	18.4	20.4	23.7	26.8	29	30.5	31.2	31.3	31	30.6	29.8	28.1	25.4	23	21.5	20.7	20.2	19.7	23.9
S D	4.1	4.3	4.3	4.3	4.3	4.4	4.3	3.7	3.4	3.7	4	4.4	4.4	4	4.2	4.3	4.5	4.2	3.8	3.6	3.7	3.8	3.8	3.9	3.3
S/A	0.21	0.22	0.23	0.23	0.23	0.24	0.23	0.18	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.14	0.15	0.15	0.15	0.16	0.17	0.18	0.19	0.2	0.14
Min	11.6	10.6	9.9	9.2	9	9.2	9.9	14.7	18.4	18	18.1	18.7	19.9	19.9	18.6	17.4	17	16.9	16.7	16.5	14.7	13.5	13	12.7	18.4
Max	25.7	25.2	24.8	24.4	24.4	24.3	24.4	26.4	29.5	33.2	37.8	41.1	41.5	39.6	39.2	39.4	38.7	35.7	33	30.2	28.5	27.6	27	26.4	30.9
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% untested; 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.

Prepared by: Afshin M. Andreas, NREL

September 2012

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	2.2	1.4	1.2	0.8	1.1	1.1	1.3	1.8	1.8	1.1	0.8	1.3	1.6	2.3	2	1.3	1.5	1.2	0.1	0	0.2	0.2	0.4	0.1	1.1
2	0	0.1	0	0	0	0	0.2	0.3	0.3	0.5	1.2	0.7	1.8	2.2	3.4	3.3	2.4	1.9	1.6	1.5	1.1	0.4	0.2	0.1	1
3	0.4	0.4	0.2	0	0	0.1	0.2	0.5	0.6	1.6	1.4	2.1	1.3	1.2	0.9	1.4	1.2	1.2	0.9	1.1	1.1	1.1	0.8	1	0.9
4	0.8	0.7	0.6	0.3	0.3	0.7	0.9	1.7	2.2	2.2	2.4	2.7	2.6	2.5	2.7	2.6	2.5	2.6	1.6	1.7	1.7	1.8	2.2	2.8	1.8
5	2.7	1.8	1.6	1.6	1.8	2.1	2.2	2.8	3.4	4.2	4	4.1	3.9	4	3.9	3.3	2.7	1.6	1.3	1.3	2	2.9	2.9	2.6	2.7
6	3.1	2.6	2.4	1.9	2	1.8	1.8	2.7	3.1	3.1	4.1	4.4	4	4	2.7	2.8	1.1	2	1.8	0.1	0.6	0.1	0.4	0.3	2.2
7	0.7	0.7	1	0.1	0.2	0.4	0.4	0.6	0.7	1.3	1.4	1.5	1.8	2.3	2.4	2.4	2.6	2.2	1.7	1.2	1.5	1.3	0.9	1	1.3
8	1.2	0.9	0.7	0.8	0.8	0.9	1.1	2.3	2.7	3.4	3.3	4	4.3	3.9	4.3	4.1	3.5	3.3	2.6	2	1.9	2	2.3	1.3	2.4
9	1.6	1.7	2.3	1.5	1.1	1.5	1.7	1.4	1.3	0.9	1.4	2	2.1	1.9	2.6	3.3	2.6	2.2	0.6	0.6	0.5	0.5	0.7	1	1.5
10	1	1.3	0.8	1.1	0.7	0.8	1	1.7	3	3.1	3.4	3.3	3.4	3.1	3.3	2.6	2.6	1.7	0.7	0.5	0.4	0.4	0.3	0.2	1.7
11	0.2	0.3	1	0.8	0.5	0.8	0.7	1.2	2.1	2.7	2.9	2.4	2.5	2.4	2.2	2.2	2	2.3	1.6	0.9	0.3	0.2	0	0	1.3
12	0	0	0.1	0.2	0.1	0.1	0.4	1.2	1.9	2.3	2.9	3	2.8	2.9	3	3.1	2.8	2.5	1.2	1.1	1	0.6	0.3	0.2	1.4
13	0	0	0.2	0.3	0.3	0.4	0.2	1.1	1.9	2.7	2.6	2.9	3.4	3.9	3.3	3.7	3.7	2.6	1.4	1	1	0.6	0.4	0.7	1.6
14	1.3	0.5	0.7	0.8	0.4	0.8	1.1	0.9	2.6	3.1	2.7	2.6	3.4	2.7	2.7	3	2.6	2.2	1.5	1.1	0.1	0	0	0	1.5
15	0	0	0	0.1	0.4	0.4	1	1.6	2.3	3.2	4	3.6	3.7	3.9	2.9	2.8	2.2	1.7	1	0.8	0.6	0.8	1	0.4	1.6
16	0.1	0.1	0	0.1	0.1	0.1	0.1	0.2	0.5	1.1	1	1.6	1.4	0.7	1.5	1.3	0.5	0.4	0.8	0.5	0.4	0.2	0.1	0	0.5
17	0	0	0	0.1	0	0	0.6	1.6	2.5	2.8	2.7	2.5	2.6	3.4	3.8	3.3	1.4	2.4	2.1	2.3	2.7	2.4	2.4	1.9	1.8
18	2.1	2.5	2.8	2.8	3.1	3.6	4	5.1	5.8	6.2	6.2	6.1	5.3	4.7	4.7	4	4	3.8	3	3.3	2.7	3.1	2.5	1	3.9
19	1	0.4	0.2	0.5	1.6	4.1	2.8	2.9	3.7	3.6	3.5	3	3.7	3.7	3.3	2.6	2.3	1.9	1.9	1.8	1.7	2	1.8	1.7	2.3
20	2	2.1	2.2	1.9	1.7	2	2.1	2.3	2.9	3.2	3.5	3.1	2.9	2.4	2.7	2.9	2.8	1.6	1.1	0.3	0.3	0.5	0.3	0.1	2
21	0	0	0.1	0	0	0	0	0.4	0.3	1.7	1.7	2	1.3	1.4	1.2	2.1	2.3	1.9	1.2	0.5	0.5	0.3	0.8	0.6	0.9
22	0.3	0.7	1.5	0.6	0.8	0.7	0.7	1.4	1.7	3	3	3.7	4.2	3.6	3.9	3.9	3.6	2.8	2	2.3	2.6	2.8	2.6	2.3	2.3
23	1.7	1.4	1.3	1.1	0.6	1.5	1.9	2.9	4.3	4.1	4.2	3.8	3.4	2.5	3.1	2.6	2.5	2.4	1.7	1.3	1.4	1.6	1.5	1.2	2.2
24	1.1	0.8	1	0.9	0.4	0.2	0.9	1.4	2.4	2.9	2.6	2.5	2.8	2.3	2.8	2.8	2.4	1.8	1.1	0.1	0.2	0.2	0.4	0	1.4
25	0	0.2	0	0	0	0.1	0.2	1.1	2.4	2.2	2	1.9	2.3	2.8	3.2	2.4	1.8	1.3	1.7	1.3	1.4	1.7	0.7	0.5	1.3
26	0	0.1	0	0.1	0.1	0.1	0	0.7	1.4	2.3	2.3	2.2	2.3	2.4	2.4	2.5	2.1	2	0.8	1	1.4	0.7	1.3	1.4	1.2
27	1.2	0.9	0.6	0.4	0.3	0.5	0.4	0.8	1.4	0.6	0.7	1.3	2	2	3.1	2.4	2.6	2.5	1.8	0.6	1.1	0.8	0.4	0.7	1.2
28	0.3	0.9	0.4	0.3	0.2	0	0.4	0.9	1.7	2.3	2.8	2.6	2.6	2.2	2.3	2.6	2.2	1.3	1	1.7	1.7	2	1.9	1.1	1.5
29	1.1	1	0.7	0.4	1.9	1.4	0.9	0.5	0.4	1.2	1.4	1.1	0.9	1.4	1.9	1.8	1.4	0.6	0.5	1.5	1.8	1.5	0.9	1.5	1.2
30	2.3	1.8	0.5	0.1	0.2	0.7	1	1.2	1.6	1.1	1	0.9	1.4	1.6	1.5	2.2	1.7	0.5	0.2	0	0	0.2	0	0	0.9

Avg	0.9	0.8	0.8	0.7	0.7	0.9	1	1.5	2.1	2.5	2.6	2.7	2.7	2.8	2.7	2.3	2	1.3	1.1	1.1	1.1	1	0.9	0.9	1.6
S/D	0.9	0.8	0.8	0.7	0.8	1	0.9	1	1.2	1.2	1.3	1.2	1.1	1	0.9	0.7	0.8	0.8	0.7	0.8	0.8	0.9	0.9	0.8	0.7
S/A	0.96	0.91	1	1.07	1.12	1.12	0.91	0.68	0.59	0.5	0.49	0.45	0.39	0.36	0.32	0.27	0.35	0.39	0.49	0.69	0.7	0.84	0.88	0.93	0.42
Min	0	0	0	0	0	0	0	0.2	0.3	0.5	0.7	0.7	0.9	0.7	0.9	1.3	0.5	0.4	0.1	0	0	0	0	0	0.5
Max	3.1	2.6	2.8	2.8	3.1	4.1	4	5.1	5.8	6.2	6.2	6.1	5.3	4.7	4.7	4.1	4	3.8	3	3.3	2.7	3.1	2.9	2.8	3.9
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% untested; 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 2012

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	251	258	260	272	284	288	290	317	331	351	23	9	4	1	20	19	41	55	61	4	276	274	275	29	332
2	25	284	0	0	9	40	43	58	85	170	183	220	145	145	198	234	251	273	317	349	57	147	288	276	217
3	53	333	316	119	117	124	107	184	221	254	260	219	226	239	260	223	218	217	165	177	226	237	233	235	227
4	248	247	262	257	282	269	267	264	284	287	286	241	235	224	238	214	193	212	218	213	227	243	248	248	241
5	253	256	252	251	252	253	251	271	267	281	273	278	271	277	274	284	279	253	238	229	239	246	247	252	264
6	249	256	254	255	250	251	250	269	279	269	275	277	270	283	10	28	81	91	146	198	243	302	311	1	273
7	349	4	26	343	254	21	56	63	96	130	118	130	166	174	178	149	149	171	183	205	219	211	216	224	164
8	230	220	213	215	234	227	224	224	239	241	244	254	251	251	240	236	240	242	241	246	234	339	21	40	245
9	71	53	48	28	25	34	17	52	31	27	38	38	40	46	47	37	31	24	6	353	358	4	332	336	34
10	340	351	344	348	348	347	341	6	26	30	28	37	38	56	42	26	32	25	18	15	17	6	358	0	24
11	350	357	14	18	16	29	33	55	74	76	78	82	107	100	87	90	92	102	102	116	123	143	116	97	82
12	81	25	49	32	40	46	47	51	65	79	107	119	115	116	112	116	117	117	113	109	102	93	62	47	104
13	32	34	52	53	58	54	50	66	83	102	102	105	111	117	109	117	115	109	111	103	102	102	88	96	105
14	108	69	58	52	61	62	54	61	75	93	92	110	121	120	122	144	146	129	142	159	215	0	0	0	110
15	0	333	327	327	323	316	333	343	14	47	58	46	55	46	64	75	56	70	58	60	63	63	49	50	48
16	308	314	344	330	338	11	16	5	11	112	110	138	145	158	248	252	192	320	11	58	65	49	55	0	136
17	0	0	0	167	176	201	185	200	191	197	192	199	179	174	183	184	163	179	181	179	181	191	201	204	187
18	202	214	212	210	210	209	211	214	218	224	224	229	238	234	227	223	223	222	223	244	245	223	244	284	224
19	321	311	298	315	30	45	42	37	59	69	65	68	73	72	71	73	68	82	77	63	62	57	59	50	59
20	53	61	54	54	55	55	56	62	73	88	83	79	83	84	81	95	94	94	58	32	59	45	38	339	73
21	281	319	9	355	346	4	337	8	4	64	70	81	100	115	165	222	218	210	193	177	196	216	203	210	158
22	239	240	254	257	256	255	252	248	258	270	262	250	246	239	239	236	239	239	226	231	244	250	251	252	246
23	272	308	293	322	343	28	42	67	70	63	48	51	50	53	44	52	75	63	59	71	64	60	58	50	50
24	48	39	40	42	24	20	34	54	63	66	63	65	107	93	125	123	123	131	140	184	176	186	149	360	88
25	0	280	0	355	181	175	206	207	206	206	217	227	240	245	237	248	257	207	196	198	195	206	223	249	223
26	223	211	235	235	250	239	249	293	268	254	302	270	243	249	249	233	236	196	209	217	234	243	253	254	248
27	257	266	257	272	264	259	269	293	314	284	108	122	155	181	189	219	185	181	188	228	224	228	254	259	208
28	261	266	314	313	296	218	274	282	286	287	283	273	258	260	244	249	257	251	253	232	242	244	250	266	262
29	320	304	5	13	50	44	24	39	43	56	48	61	73	48	54	74	71	58	49	46	54	64	82	48	48
30	58	100	98	4	0	8	21	16	14	44	126	201	219	215	210	234	244	249	233	219	218	224	257	275	178
Avg	278	285	303	308	307	353	342	332	10	65	66	160	165	167	174	180	167	166	176	197	213	230	251	265	196
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% untested; 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 2012

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	2.7	2.4	1.8	2.1	2.1	2.5	3.6	3.4	2.6	2.2	3.1	3.6	4.7	4.5	2.9	3.1	2.4	0.5	0	0.6	0.7	0.9	0.3	2.3
2	0.2	0.2	0	0	0	0.1	0.7	1	1.2	1.4	2.1	1.7	3.1	3.7	6	5.5	4.2	3.1	2.9	3.5	2.6	1.3	0.8	0.4	1.9
3	1.3	1.3	0.5	0.1	0.1	0.4	0.8	1.5	1.4	3.4	3.1	3.6	2.7	2.4	2	2.8	2.2	2	1.6	2.1	2.1	2.2	1.7	2	1.8
4	1.8	1.6	1.7	1.3	1.1	1.6	1.9	3.1	3.9	3.9	4.3	4.7	4.6	4.5	4.4	4.1	4	4.5	2.9	3	3.1	3.3	3.9	4.5	3.2
5	4.7	3.2	2.8	2.9	3.1	3.6	3.6	5.2	6.4	6.8	7	7.2	7	7.3	7	5.9	5	2.8	2.3	2.4	3.5	4.9	5.3	4.3	4.8
6	4.8	4.4	4.2	3.8	3.5	3.4	3.3	4.9	5.4	5.7	7	7.7	7	6.9	5.5	5.6	3	4.4	3.8	0.4	1.5	0.7	1.2	1.4	4.1
7	2	1.9	2.5	0.9	0.7	1.2	1.3	1.9	2.1	2.7	2.7	3.5	3.3	4.1	4.1	4	4.1	3.5	2.8	2.3	2.9	2.7	1.9	2.1	2.6
8	2.6	2	1.7	1.8	1.9	1.9	2.5	4	4.9	5.9	6.1	6.8	7	6.6	7	7.3	5.9	5.4	4.5	3.4	3.4	4	4.8	3.3	4.4
9	3.4	4	4.8	3.7	3	3.6	4	3	3.1	2.5	3.5	4.2	4.2	4.2	5.4	6.1	5.1	4.6	1.8	1.6	1.4	1.6	1.6	1.9	3.4
10	2.2	2.9	2	2.5	2.1	2.2	2.4	3.7	5.6	5.9	6.8	6.3	6.4	5.6	6.1	5.7	5.4	3.8	2	1.6	1.5	1.2	1.2	1.1	3.6
11	1.1	1.3	2.1	2	1.5	2	1.8	2.8	3.9	5.2	5.1	4.6	5.2	4.8	4.3	4.3	3.7	4.3	3.2	2.3	1.4	0.6	0.3	0.1	2.8
12	0.1	0.2	0.3	0.6	0.5	0.7	1.1	2.6	3.6	4.5	5.3	5.5	5.4	5	5.5	5.4	5.2	4.6	2.8	2.5	2	1.4	0.9	0.7	2.8
13	0.3	0.3	0.6	1.3	1.3	1.3	1.2	2.7	3.9	4.8	5.1	5.5	5.9	6.8	5.9	6.4	6.5	4.5	3.1	2.4	2.3	2	1.4	1.9	3.2
14	2.9	1.7	1.9	2.2	1.6	2.1	2.6	2.4	4.7	5.1	4.8	4.7	5.7	5	4.9	5	4.4	3.8	2.8	2.1	0.5	0	0	0	3
15	0	0.1	0.1	0.7	1.2	1.2	2.3	3.7	5.4	5.7	7.3	6.5	6.3	7	5.3	4.9	4.1	3.4	2.4	1.9	1.8	1.9	2	0.8	3.2
16	0.2	0.1	0.2	0.5	0.3	0.4	0.4	0.9	1.6	2.6	2.8	3.2	3	1.6	2.7	2.3	1.2	1.1	2.2	1.3	1.1	0.8	0.4	0	1.3
17	0	0	0	0.3	0.3	0	1.3	2.7	4.1	4.6	4.4	4.3	4.6	5.4	5.9	5.6	2.6	3.9	3.4	3.7	4.4	4.4	3.9	3.7	3.1
18	3.8	4.5	4.8	5	5.4	6	6.7	8.3	10.2	10.4	10.4	11.4	9	8.3	8.2	7.3	7.3	6.9	5.3	5.8	4.7	5.2	4.4	1.9	6.7
19	2	1.3	0.8	1.5	3.6	6.9	5.6	5.7	6.8	6.6	6.6	5.6	6.8	6.9	5.9	4.9	4.2	3.5	3.6	3.4	3.1	3.5	3.2	3.1	4.4
20	3.4	3.6	3.7	3.7	3.2	3.7	4	4.3	5.5	6.1	6	5.8	5.3	4.8	5.3	5.3	4.9	3.2	2.3	1.3	1.1	1.6	1.2	0.5	3.7
21	0.1	0.3	0.6	0.1	0.3	0.3	0.4	1.6	1.3	3.2	3.6	3.9	3	2.9	2.4	3.7	3.7	3.1	2.2	1.1	1.1	0.9	1.6	1.4	1.8
22	1.1	1.9	2.4	1.5	1.7	1.6	1.6	2.5	3.1	5.3	5.4	6.2	6.6	6.3	6.7	6.5	5.9	5	3.8	4	4.3	4.6	4.4	4	4
23	3.3	3	2.5	2.1	1.9	3.3	3.6	5.4	7.7	7.4	7.3	7.2	6.3	4.9	5.3	5.2	4.8	4.3	3.4	2.8	2.9	2.9	3.2	2.4	4.3
24	2	1.7	1.8	2.1	1.7	1.3	2.2	3	4.4	5.3	5.1	5	5.2	4.3	5.4	4.9	4.4	3.3	2.2	0.3	0.9	0.7	0.9	0	2.8
25	0	0.4	0	0	0.1	0.3	0.7	2	3.9	3.9	3.6	3.7	4.5	5.3	5.6	4.3	3.2	2.3	2.6	2.4	2.5	3	1.3	1.2	2.4
26	0.1	0.6	0.3	0.7	0.8	0.5	0.2	1.6	2.6	4	4.2	3.9	4.2	4.3	4.3	4.6	3.8	3.2	1.5	1.8	2.5	1.5	2.2	2.2	2.3
27	2.1	1.6	1.3	1	1.1	1.4	1.1	1.9	2.9	1.9	2	2.7	3.7	4	4.9	4.3	4.1	3.9	3.1	1.5	2.1	1.8	1.4	1.5	2.4
28	0.7	1.6	1.2	1	0.6	0.1	0.8	1.8	3.4	4.2	4.8	5	4.5	4.3	4.3	4.4	3.7	2.3	1.6	3	3.3	3.4	3.3	2	2.7
29	2.4	2	1.8	1.5	3.4	3.3	2.4	1.6	1.7	2.9	3.2	2.8	2.4	2.8	3.6	3.8	3.4	1.8	1.6	3.2	3.7	3.1	2.6	3.1	2.7
30	4.4	3.7	1.6	0.7	0.8	2.2	2.8	2.8	3.6	2.8	2.4	2.3	2.9	3	2.6	3.7	2.7	1.3	0.7	0.3	0.1	0.6	0.2	0.1	2
Avg	1.9	1.8	1.7	1.6	1.6	1.9	2.2	3.1	4.1	4.6	4.8	4.9	5	4.9	5	4.9	4.2	3.5	2.6	2.2	2.3	2.2	2.1	1.7	3.1
SD	1.5	1.4	1.4	1.3	1.3	1.7	1.5	1.6	2	1.9	2	2	1.6	1.6	1.4	1.2	1.3	1.3	1	1.2	1.2	1.4	1.5	1.4	1.1
S/A	0.82	0.76	0.82	0.8	0.8	0.87	0.7	0.53	0.5	0.42	0.41	0.4	0.33	0.32	0.28	0.25	0.31	0.35	0.4	0.55	0.53	0.65	0.71	0.78	0.36
Min	0	0	0	0	0	0	0.2	0.9	1.2	1.4	2	1.7	2.4	1.6	2	2.3	1.2	1.1	0.5	0	0.1	0	0	0	1.3
Max	4.8	4.5	4.8	5	5.4	6.9	6.7	8.3	10.2	10.4	10.4	11.4	9	8.3	8.2	7.3	7.3	6.9	5.3	5.8	4.7	5.2	5.3	4.5	6.7
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 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 2012

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

Avg	1016	1015	1015	1015	1015	1016	1016	1016	1016	1017	1017	1017	1016	1016	1015	1015	1015	1015	1015	1015	1015	1015	1016	1016	1015	1016
S D	5	5	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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	0
Min	1007	1006	1007	1007	1007	1008	1008	1008	1008	1008	1008	1008	1007	1006	1006	1005	1005	1005	1005	1005	1006	1006	1006	1007	1007	1007
Max	1024	1024	1024	1024	1024	1024	1025	1025	1026	1026	1026	1026	1026	1026	1025	1025	1025	1025	1024	1024	1025	1025	1025	1025	1024	1025
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% untested; 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.

September 2012

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	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.1	13	12.9	12.9	12.9	12.9	12.9	12.9	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.8
2	12.6	12.6	12.6	12.6	12.6	12.5	12.6	12.8	13.2	13.1	13.1	13	13	13	13	13	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.8
3	12.6	12.6	12.6	12.6	12.5	12.5	12.8	13.2	13	12.8	12.8	13	13.2	13.1	13.1	13	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8
4	12.6	12.6	12.6	12.6	12.6	12.5	12.7	13.2	13.1	13.1	13	13	13	13	13	13	13	12.9	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8
5	12.6	12.6	12.6	12.6	12.6	12.5	12.9	13.2	13.1	13.1	13	13	13	13	13	13	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8
6	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.1	13.1	13	13	13	13	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.8
7	12.6	12.6	12.6	12.6	12.5	12.5	12.6	13	13.2	13.1	13	13	13	13	13	13	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.8
8	12.6	12.6	12.6	12.6	12.6	12.5	12.7	13.2	13.1	13.1	13.1	13	13	13	13	13	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8
9	12.7	12.6	12.6	12.6	12.6	12.6	12.5	12.6	13.2	13.3	13.3	13.2	13.1	13.1	13.1	13.1	13.2	13	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
10	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.4	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
11	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
12	12.6	12.6	12.6	12.6	12.6	12.6	13.3	13.4	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
13	12.7	12.6	12.6	12.6	12.6	12.6	13.1	13.4	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
14	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.3	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.8
15	12.6	12.6	12.6	12.6	12.6	12.6	13	13.4	13.2	13.2	13.1	13.2	13.2	13.1	13.1	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
16	12.7	12.6	12.6	12.6	12.6	12.6	13.3	13.4	13.3	13.1	13.1	13.1	13.1	13.1	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
17	12.7	12.6	12.6	12.6	12.6	12.6	12.9	13.3	13.2	13.1	13.1	13.2	13.2	13.1	13.1	13.1	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
18	12.7	12.7	12.6	12.6	12.6	12.6	12.8	13.2	13.2	13.1	13.1	13.1	13.1	13.1	12.9	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8
19	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.4	13.3	13.3	13.3	13.2	13.3	13.3	13	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
20	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.4	13.3	13.2	13.1	13.1	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
21	12.7	12.7	12.6	12.6	12.6	12.6	13.1	13.5	13.3	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
22	12.7	12.6	12.6	12.6	12.6	12.6	12.7	13.3	13.4	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
23	12.7	12.7	12.7	12.6	12.6	12.6	13	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
24	12.7	12.6	12.6	12.6	12.6	12.6	13.3	13.5	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.9	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
25	12.7	12.6	12.6	12.6	12.6	12.6	13.3	13.5	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.2	13.2	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
26	12.7	12.7	12.6	12.6	12.6	12.6	13	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	12.7	12.7	12.7	12.7	12.7	12.9
27	12.7	12.6	12.6	12.6	12.6	12.6	13	13.4	13.3	13.1	13	13	13	13	13	13	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
28	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.4	13.3	13.2	13.1	13.1	13	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
29	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.1	13.3	13.4	13.3	13	12.9	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.5	12.5	12.8
30	12.5	12.5	12.5	12.5	12.5	12.5	12.7	13.5	13.3	13.2	13.1	13.1	13.1	13.1	13.2	13.2	13.1	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.9
Avg	12.6	12.6	12.6	12.6	12.6	12.6	12.9	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13	12.8	12.8	12.7	12.7	12.7	12.7	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	0	0	0	0	0	0	0	0	0
S/A	0	0	0	0	0	0	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0
Min	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.8	12.8	12.9	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.5	12.8	
Max	12.7	12.7	12.7	12.6	12.6	12.6	13.3	13.5	13.4	13.4	13.3	13.4	13.3	13.2	13.3	13.3	13.2	13	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9
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	360	8640

Data Recovery: 0.0% missing; 0.0% untested; 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.