

November 2010

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	18	125	305	452	583	629	620	558	384	221	63	7	0	0	0	0	0	0	3965
2	0	0	0	0	0	0	19	86	301	269	320	287	433	285	222	134	56	2	0	0	0	0	0	0	2414
3	0	0	0	0	0	0	3	32	68	137	201	232	136	102	66	33	10	1	0	0	0	0	0	0	1022
4	0	0	0	0	0	0	11	34	70	85	83	70	68	?	36 ?	28 ?	8	0	0	0	0	0	0	0	491 ?
5	0	0	0	0	0	0	3	40	257	444	444	480	654	558	362	262	49	0	0	0	0	0	0	0	3553
6	0	0	0	0	0	0	5	78	270	450	572	556	280	257	246	66	10	0	0	0	0	0	0	0	2791
7	0	0	0	0	0	0	13	107	299	434	553	555	619	539	406	226	55	0	0	0	0	0	0	0	3805
8	0	0	0	0	0	0	17	115	296	449	559	614	603	529	395	221	53	0	0	0	0	0	0	0	3851
9	0	0	0	0	0	0	14	108	287	439	550	603	589	518	388	213	52	0	0	0	0	0	0	0	3762
10	0	0	0	0	0	0	17	91	212	284	401	348	282	209	249	172	52	0	0	0	0	0	0	0	2317
11	0	0	0	0	0	0	10	123	285	403	479	608	580	325	150	78	30	0	0	0	0	0	0	0	3071
12	0	0	0	0	0	0	16	105	288	384	526	601	587	514	382	207	50	0	0	0	0	0	0	0	3660
13	0	0	0	0	0	0	13	101	280	435	542	596	585	512	380	206	48	0	0	0	0	0	0	0	3696
14	0	0	0	0	0	0	12	97	223	367	534	555	573	506	370	197	45	0	0	0	0	0	0	0	3480
15	0	0	0	0	0	0	8	86	233	400	482	563	535	366	355	129	28	0	0	0	0	0	0	0	3185
16	0	0	0	0	0	0	8	97	271	370	465	471	380	324	115	33 ?	11	0	0	0	0	0	0	0	2544
17	0	0	0	0	0	0	8	85	257	405	522	577	563	493	359	192	46	0	0	0	0	0	0	0	3508
18	0	0	0	0	0	0	10	93	245	390	502	559	563	369	203	169	39	0	0	0	0	0	0	0	3141
19	0	0	0	0	0	0	9	106	248	397	509	564	547	474	343	167	31	0	0	0	0	0	0	0	3395
20	0	0	0	0	0	0	6	75	236	387	498	550	541	470	343	174	38	0	0	0	0	0	0	0	3317
21	0	0	0	0	0	0	5	91	172	373	466	540	524	459	332	169	37	0	0	0	0	0	0	0	3168
22	0	0	0	0	0	0	8	63	193	345	470	528	519	453	331	165	25	0	0	0	0	0	0	0	3099
23	0	0	0	0	0	0	6	26	102	354	480	531	517	433	309	112	29	0	0	0	0	0	0	0	2900
24	0	0	0	0	0	0	4	75	245	400	512	560	548	479	346	206	67	0	0	0	0	0	0	0	3441
25	0	0	0	0	0	0	7	36	114	348	323	364	315	299	183	100	20	0	0	0	0	0	0	0	2109
26	0	0	0	0	0	0	5	45	193	281	70 ?	110	94	143	228	92	21	0	0	0	0	0	0	0	1281
27	0	0	0	0	0	0	4	67	231	386	499	555	548	476	348	179	41	0	0	0	0	0	0	0	3334
28	0	0	0	0	0	0	3	62	222	377	489	546	537	443	314	169	39	0	0	0	0	0	0	0	3201
29	0	0	0	0	0	0	4	60	217	370	479	531	523	453	328	145	36	0	0	0	0	0	0	0	3145
30	0	0	0	0	0	0	5	32	170	240	293	236	302	180	100	53	33	0	0	0	0	0	0	0	1645
Avg	0	0	0	0	0	0	9	78	226	362	447	484	472	404	286	151	37	0	0	0	0	0	0	0	2943
S D	0	0	0	0	0	0	5	29	67	87	133	152	163	130	107	65	16	1	0	0	0	0	0	0	873
S/A	0	0	0	0	0	0	0.53	0.38	0.29	0.24	0.3	0.31	0.34	0.32	0.37	0.43	0.43	4.02	0	0	0	0	0	0	0.3
Min	0	0	0	0	0	0	3	26	68	85	70	70	68	102	36	28	8	0	0	0	0	0	0	0	491
Max	0	0	0	0	0	0	19	125	305	452	583	629	654	558	406	262	67	7	0	0	0	0	0	0	3965
n	0	0	0	0	0	0	111	360	360	360	356	358	360	348	352	349	318	3	0	0	0	0	0	0	3636

Daylight Data Recovery: 0.0% missing; 0.0% untested; 1.0% exceed the 15% QC threshold -- 3672 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.

November 2010

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
2	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
3	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
4	0	0	0	0	0	0	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	?	
5	0	0	0	0	0	0	?	?	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	*	
6	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
7	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
8	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
9	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
10	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
11	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
12	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
13	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
14	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
15	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
16	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
17	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
18	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
19	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
20	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
21	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
22	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
23	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
24	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
25	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
26	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
27	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	*	
28	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	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	0	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	0	0	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	0	0	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: 96.0% missing; 0.0% untested; 4.0% exceed the 15% QC threshold -- 3672 total daylight measurements.

Instrument: Eppley NIP Serial Number: 23398E6 Calibration Factor: 7.1447 $\mu\text{V}/\text{W}/\text{m}^2$ 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.

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

November 2010

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

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	15	48	72	82	90	91	93	111	104	93	43	7	0	0	0	0	0	0	849
2	0	0	0	0	0	0	14	67	134	237	268	258	363	273	213	117	45	1	0	0	0	0	0	0	1990
3	0	0	0	0	0	0	3	32	68	137	201	232	136	102	66	33	10	1	0	0	0	0	0	0	1022
4	0	0	0	0	0	0	13	34	70	85	83	70	68	32 ?	28	23	8	0	0	0	0	0	0	0	512
5	0	0	0	0	0	0	4	40	112	89	177	158	152	127	85	98	26	0	0	0	0	0	0	0	1066
6	0	0	0	0	0	0	6	68	108	88	124	163	187	147	108	66	10	0	0	0	0	0	0	0	1075
7	0	0	0	0	0	0	10	40	52	86	121	114	58	53	46	36	15	0	0	0	0	0	0	0	632
8	0	0	0	0	0	0	10	31	48	60	67	70	68	63	56	42	17	0	0	0	0	0	0	0	532
9	0	0	0	0	0	0	12	31	47	55	58	58	54	50	43	33	13	0	0	0	0	0	0	0	453
10	0	0	0	0	0	0	11	57	139	234	245	274	267	186	177	113	19	0	0	0	0	0	0	0	1722
11	0	0	0	0	0	0	8	29	47	122	190	148	162	231	150	78	27	0	0	0	0	0	0	0	1192
12	0	0	0	0	0	0	9	30	51	143	100	72	65	58	52	39	17	0	0	0	0	0	0	0	636
13	0	0	0	0	0	0	9 ?	24	38	42	45	47	46	44	39	29	11	0	0	0	0	0	0	0	373
14	0	0	0	0	0	0	12 ?	30	49	52	48	52	46	46	40	33	14	0	0	0	0	0	0	0	422
15	0	0	0	0	0	0	9 ?	38	55	66	89	169	162	289	82	87	15	0	0	0	0	0	0	0	1064
16	0	0	0	0	0	0	9 ?	64	96	108	97	275	253	240	115	23	11	0	0	0	0	0	0	0	1291
17	0	0	0	0	0	0	6	25	44	53	53	54	55	53	48	36	15	0	0	0	0	0	0	0	441
18	0	0	0	0	0	0	6	26	44	53	57	64	90	200	159	97	28	0	0	0	0	0	0	0	825
19	0	0	0	0	0	0	7 ?	27	46	62	72	76	77	70	66	49	14	0	0	0	0	0	0	0	565
20	0	0	0	0	0	0	6 ?	28	51	63	71	76	74	72	63	46	15	0	0	0	0	0	0	0	566
21	0	0	0	0	0	0	5 ?	35	68	68	82	88	100	79	64	44	16	0	0	0	0	0	0	0	648
22	0	0	0	0	0	0	8 ?	30	59	70	75	77	73	70	63	45	14	0	0	0	0	0	0	0	584
23	0	0	0	0	0	0	6 ?	25	90	76	68	74	83	130	110	84	24	0	0	0	0	0	0	0	771
24	0	0	0	0	0	0	4 ?	18	34	42	47	49	50	50	48	79	43	0	0	0	0	0	0	0	465
25	0	0	0	0	0	0	8 ?	36	108	151	236	305	299	188	162	88	18	0	0	0	0	0	0	0	1598
26	0	0	0	0	0	0	7 ?	38	97	198	58	97	94	143	170	85	21	0	0	0	0	0	0	0	1008
27	0	0	0	0	0	0	3	30	58	49	49	49	49	45	40	30	11	0	0	0	0	0	0	0	414
28	0	0	0	0	0	0	3	39	94	76	55	58	58	74	81	34	13	0	0	0	0	0	0	0	585
29	0	0	0	0	0	0	?	47	136	129	71	62	61	57	52	43	17	0	0	0	0	0	0	0	675
30	0	0	0	0	0	0	?	28	146	208	256	236	276	172	100	53	33	0	0	0	0	0	0	0	1506
Avg	0	0	0	0	0	0	8	37	75	99	108	121	121	115	88	59	19	0	0	0	0	0	0	0	849
S D	0	0	0	0	0	0	3	13	34	57	70	81	88	75	49	29	10	1	0	0	0	0	0	0	428
S/A	0	0	0	0	0	0	0.41	0.35	0.45	0.57	0.64	0.67	0.73	0.65	0.56	0.49	0.52	4.15	0	0	0	0	0	0	0.5
Min	0	0	0	0	0	0	3	18	34	42	45	47	46	32	28	23	8	0	0	0	0	0	0	0	373
Max	0	0	0	0	0	0	15	68	146	237	268	305	363	289	213	117	45	7	0	0	0	0	0	0	1990
n	0	0	0	0	0	0	90	360	360	360	359	360	360	353	358	358	318	3	0	0	0	0	0	0	3639

Daylight Data Recovery: 0.0% missing; 0.0% untested; 0.9% exceed the 15% QC threshold -- 3672 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.

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

November 2010

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	13.1	12.3	12	11.6	11.1	11	10.8	11.5	13.5	14.6	15.1	15.3	15.4	15.2	14.6	13.8	12.5	11.3	10.6	10.1	9.5	8.9	8.8	8.6	12.1
2	8.3	7.9	7.9	7.7	7.6	7.6	7.8	8.4	10.5	12.1	13.1	13.2	13.7	13.2	12.8	12.5	12	11.1	10.6	9.8	9.2	8.9	8.9	9.1	10.2
3	9	9.5	9.6	9.9	10.4	11	11.1	11.7	13	14.3	14.9	15.4	15.5	14.7	13.9	13.6	13.7	13.9	14	14	14	14.2	14.7	15.1	13
4	14.9	14.9	15	14.9	14.8	14.8	14.8	15.2	15.9	16.1	16.4	16.8	16.7	16.3	14.8	13.7	13	12.7	12.1	11.3	10.7	10.5	10.3	10.3	14
5	10.1	9.8	9.7	9.4	9.1	8.8	8.4	8.6	9.6	11.2	12	12.4	13.4	13.9	14.2	14.6	13.8	11.9	10.4	9.7	9.7	9.3	8.9	8.2	10.7
6	7.7	7.5	7.6	7.6	7.8	7.8	8.1	8.6	9.9	11.3	12.5	13.3	12.7	12.3	12	11.4	11.1	10.5	9.7	9.3	8.9	8.6	8.1	7.3	9.7
7	6.8	6.2	5.2	4.6	4.1	3.7	3.7	4.7	6.8	8.5	9.3	10	10.5	11.1	11.1	11.1	10.6	9.1	7.4	6.7	5.8	4.6	3.9	3.8	7.1
8	3.5	3	2.8	2.5	1.9	1.5	1.3	2.5	4.9	7.6	10.9	12.9	14.2	15	15.6	15.8	15.1	13.2	11.9	10.5	10.6	10.1	9.2	8.8	8.5
9	9.3	10.1	10.4	8.5	7.3	6.9	6.4	8.8	10.5	11.7	12.5	13.4	14.5	15.3	15.9	16.2	15.7	13.6	12	10.5	9.4	8.8	8.6	8.5	11
10	8.6	8.8	8.8	8.8	8.4	7.7	7.1	8	9.5	11	12.3	13	13.1	13	13.7	14.1	13.4	12.3	12	10.9	9.9	9.5	8.7	8.2	10.4
11	8.2	8.3	8.6	8.7	8.4	8.3	7.6	8.8	10.6	12.1	12.9	13.9	14.2	13.4	12.5	12.3	12.1	11.4	10.7	10.5	10.5	10.3	9.3	7.9	10.5
12	7.2	6.6	6.3	6.3	4.4	4	4.2	6.1	9.5	11.3	12.7	14.1	14.8	14.8	14.6	14.1	13.1	11.4	10.3	9.7	9.3	8.6	7.7	7.5	9.5
13	7.8	8.3	7.6	5.9	6.4	6.4	6.6	7.7	11	13.3	15	16.5	17.4	17.6	17.4	16.7	15	12.1	11.1	10.4	9.7	8.9	7.9	6.6	11
14	6.1	5.3	5.5	4.6	3.9	3.7	3.6	4.8	8.4	12.4	14.4	15.8	16.9	17.4	18	17.2	15.1	12.6	11.2	10.4	9.9	9.9	9.4	8.9	10.2
15	9.1	8.3	7.8	7.1	6.8	6.8	6.6	7.5	10.1	12.6	15.4	17.7	18.9	18.8	19.9	19.6	18	15	14.4	14.3	13.5	13.1	12.8	12.5	12.8
16	12.5	12.7	13.3	13.7	14	13.8	13.6	14.6	18.2	19.8	20.5	21.1	21.1	21	19.1	17.5	17.1	17.5	17.5	17.4	17.8	18.3	18.8	19.2	17.1
17	19.3	19.5	18.8	16.9	16.6	16.5	16.1	16	16.2	16.5	17.1	17.8	18.5	18.5	18.3	17.9	16.9	15.1	13.8	13	12.3	11.8	10.9	10	16
18	9.2	9	8.2	6.6	5.8	5.1	4.9	6	9.4	12.7	14.7	15.6	15.9	15.4	15	14.8	13.9	12.5	11.8	10.3	9.5	9.1	8	7.1	10.4
19	6.6	6.6	6	5.5	3.9	3.6	3.5	4.8	7.9	10.2	11.3	12.1	13.1	13.4	13.5	13.5	12.7	10	9	8.4	8.3	7.8	7.4	7.1	8.6
20	7	6.8	7.2	7.4	7.7	7.7	7.5	8.3	10.7	12.8	14.5	16.2	17.3	18	18.2	18.3	17.2	15.5	14.3	13.5	12.9	12.3	10.9	10.3	12.2
21	9.9	9	8.6	8.7	8.5	7.9	7.4	7.9	11	13.3	15.3	17.1	18.1	18.4	18.7	17.9	16.5	15	14	12.9	12.3	12	11.5	11.2	12.6
22	10.9	10	9.9	9.6	9.8	9.8	9.2	10	11.7	15.6	18.2	19.6	20.5	20.7	21.1	20.9	19.4	16.6	15.6	14.9	14.3	13.9	13.6	13.7	14.6
23	13.7	13.2	12.8	12	12	12.3	13	13.8	14.7	17.1	19.8	20.7	21.8	22.7	23.2	23	22.2	20.9	19.9	18.6	18.5	18.2	18.1	17.5	17.5
24	16.9	15.7	14.1	12.9	11.6	10.9	11	11	11.9	12.8	13	13	13.1	12.6	12.1	11.6	10.3	8.7	7.8	7.6	7.4	7.3	7.4	7.8	11.2
25	8	7.9	7.7	7.6	6.9	6.3	7.4	8.2	9.6	11.9	12.9	13.9	14.7	15.3	15.1	15.5	15.3	14.8	15.4	16.1	16.5	16.8	17.2	17.7	12.4
26	17.7	17.9	17.8	17.3	17.6	17.2	17.3	18.6	19.7	20.4	18.7	17.3	16.6	16.1	16.6	16.9	16.4	16	15.7	15.4	14.9	14.4	12.9	12	16.7
27	10.5	10.1	9	7.6	6.1	5.1	4	3.4	4.5	5.9	7.5	8.8	9.3	9.9	10.3	10.3	9.3	7.7	6.5	5.3	4	4.2	3.9	4.4	7
28	4.2	3.9	3.7	3.3	2.4	1.8	1.4	1.6	4.1	6.4	7.7	8.8	9.3	9.9	9.9	9.4	7.9	6.8	6.1	5.6	5.6	5	3.8	4.1	5.5
29	3.9	3.2	3.4	3.5	3.4	3.2	2.8	3.9	6.7	10	12.3	13.5	14	14.6	14.6	14.2	13.3	11.9	11	10.3	9.8	9.7	9.8	10.1	8.9
30	10.2	10.2	10.5	11	11.2	12.2	13.6	14.9	16.4	17.5	17.9	18.4	19	19.5	19.6	18.3	18.2	18	18	18	18	18	18.5	17.9	16
Avg	9.7	9.4	9.2	8.7	8.3	8.1	8	8.9	10.9	12.8	14	14.9	15.5	15.6	15.5	15.2	14.4	13	12.2	11.5	11.1	10.8	10.3	10	11.6
S D	3.9	3.9	3.9	3.8	4	4.2	4.3	4.2	3.8	3.5	3.2	3.1	3.2	3.2	3.3	3.2	3.1	3.1	3.3	3.4	3.6	3.8	4	4.1	3.1
S/A	0.4	0.42	0.42	0.43	0.48	0.51	0.54	0.48	0.35	0.27	0.23	0.21	0.2	0.2	0.21	0.22	0.24	0.27	0.3	0.33	0.35	0.39	0.41	0.26	
Min	3.5	3	2.8	2.5	1.9	1.5	1.3	1.6	4.1	5.9	7.5	8.8	9.3	9.9	9.9	9.4	7.9	6.8	6.1	5.3	4	4.2	3.8	3.8	5.5
Max	19.3	19.5	18.8	17.3	17.6	17.2	17.3	18.6	19.7	20.4	20.5	21.1	21.8	22.7	23.2	23	22.2	20.9	19.9	18.6	18.5	18.3	18.8	19.2	17.5
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.

Prepared by: Afshin M. Andreas, NREL

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

November 2010

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	2.7	2.3	2.3	2.6	2.1	1.7	2	2	2.8	3.6	3.3	3.4	3	3.1	3.3	3.3	2.9	2.2	2	1.4	2	2.3	2.2	2.3	2.5
2	2.2	2.1	2.5	2.5	2.5	2.6	3	3.2	2.4	2.4	3.6	3.3	3.7	3.3	3.4	2.8	2.8	2	1.7	1.9	0.8	0.7	1.1	1	2.4
3	1.2	1.1	1.1	1.1	1.4	0.9	1.2	1.1	1.9	2.7	3	3.1	2.7	2.3	1.5	1.5	1.4	1.1	0.9	1.1	0.5	0	0.4	0	1.4
4	0.5	0.3	0.8	0.9	0.2	0.3	1	0.9	2.9	2.7	3.2	2.7	1.5	1.6	1.9	1.8	1.3	0.9	1.4	1.8	2.5	2	1.7	1.2	1.5
5	0.8	1.1	0.9	1	1.3	2.2	2.6	1.5	1.6	2.2	2.1	2.7	3.1	3.4	2.8	2.5	1.1	0.1	0.2	0.6	0.8	0.6	0.9	2.1	1.6
6	1.4	1	2	1.7	1.5	1.6	2.2	2.6	3.1	4.2	3.5	3.5	4.2	4.1	4.4	3.8	2.8	2.8	1.4	1.4	2.5	2.6	2.6	2.6	2.6
7	2.8	2.3	1.8	1.8	2	1.9	1.8	2.4	3.5	4.6	4.7	4.2	5.2	4.6	4.6	3.9	2.7	1.2	0.9	1.3	1.1	1.1	1.2	1.7	2.6
8	1.9	1.9	2.2	1.7	1.3	1.6	1.8	1.7	2.2	2.8	2.5	3.4	3.9	4	4.8	4.1	2.5	1.4	0.7	1.4	1.9	1.4	1.7	1.4	2.2
9	1.7	2.2	2.3	1.8	1.2	1.1	0.9	1.7	3.5	3.9	3.6	3.7	2.9	3.1	2.7	2.4	1.2	0.3	0	0.2	0.1	0.4	0.5	0.7	1.8
10	1.4	2	1.9	1.8	1.6	1.2	1.1	1.3	2.1	2.7	2.9	3.8	3.7	3.5	3.2	3.1	2.2	1.7	0.8	0.3	0.6	0.6	0.7	0.8	1.9
11	0.8	1	1.4	1.8	1.4	1.2	1.2	2.2	3	3.5	4.3	3.7	4	4.3	3.8	3.5	3	3.5	2.4	2.4	2.4	1.8	1.2	0.9	2.4
12	1	1.1	1.6	1	0.4	0.1	0.4	0.7	2.7	3.3	3.9	3.5	3.5	3.5	3.7	3.5	3	2.2	2.3	1.7	1.5	1.4	1.2	1.7	2
13	1.8	2.2	1.1	1.3	1.3	1.1	1	1.1	2.6	2.8	3	3.2	3.2	3.5	3.4	3	2.2	1.1	0.6	0.6	1	0.5	0.1	0.1	1.7
14	0	0.1	0	0	0	0	0	0	0.1	0.2	0.7	0.6	0.8	1.4	0.9	1.7	1.7	1.5	0.5	0.2	0.6	0.6	0.1	0.2	0.5
15	0.3	0.1	0	0.2	0.2	0.1	0	0	0.4	0.9	1.3	1.6	2.3	2.3	2.2	1.1	1.2	1	0.9	1.6	1.4	1.1	0.9	1.8	1
16	0.9	1.2	1.2	1.3	0.6	0.7	0.5	0.8	1.6	3.2	3.8	4.3	3	2.8	3.4	2	2.6	3.1	3.6	3	4.1	4.3	3.3	3.4	2.4
17	5	5	5.6	4.8	3.1	3.5	3.3	4.3	5.1	5.5	4.7	4.5	3.7	4.4	4.2	3.7	2.4	1.9	1.4	1.3	1.1	1.6	1.1	1.2	3.4
18	1	0.9	0.4	0	0.3	0.1	0.3	0.8	0.7	0.6	0.7	0.9	1.2	1.4	1.6	2.9	1.6	0.9	0.8	0.3	1.4	1.7	1.3	1	0.9
19	1.2	1.2	0.3	0.8	0.5	0.3	0.7	0.9	2	3.1	2.9	2.8	2	1.8	1.8	0.7	0.1	1.1	0.4	0.3	1	0.6	0.3	0.1	1.1
20	0.2	0.2	0.2	0.7	1.6	1.8	1.3	2.2	2	3.7	3.9	4	4.1	4.6	4.1	2.8	2	0.5	0.6	0.6	0.3	0.2	0	0.2	1.7
21	0.1	0	0	0.5	0	0.1	0.2	0	0.5	1.6	2.8	3.4	3	2.7	1.8	1.8	1.8	1.6	1.3	1.1	1.4	0.5	0.1	0	1.1
22	0.3	0	0	0	0.1	0.1	0	0	0	0	1.1	1.3	1.5	2.4	2.5	2	1.3	1.7	1.3	0.4	0.9	0.9	1	1.6	0.9
23	1.1	0.9	0.5	0.9	1.1	1.1	1.2	1.5	1.7	2.8	4	5.7	4	5	4.2	3.4	1.9	1	1	0.5	0.7	0.7	2	2	2
24	2.1	1.6	0.9	0.6	0.3	0.8	2.6	2.8	3.5	3.9	3.9	3.5	3.2	3.4	3.1	2.8	2.9	2.5	1.9	1.3	0.7	0.3	0.3	0.6	2.1
25	0.7	0.2	0.3	0.5	0.1	0	0	0.2	0.5	2.4	2.3	2.1	2.5	1.7	2.2	2.2	1.3	1.2	1.1	1.8	2.7	2.6	3.5	4.6	1.5
26	4.1	4.2	3.2	3.7	3.9	3.7	3.8	4.3	4.9	4.7	4.7	3.4	2.5	3.9	3.7	2.5	2.5	2	1.8	1.3	1.1	0.9	1.3	2	3.1
27	2.2	2.8	2.4	2.3	1.7	2	2.3	2.3	2.4	2.7	3.4	3.1	3.3	2.6	2.8	2.7	1.5	0.5	0.1	0.4	0.3	0.2	0.8	2.5	2
28	2.7	2.4	2.6	1.8	0.9	0.6	0.4	0.6	1.1	1.9	2.6	2.7	2.8	1.9	1.8	1.9	2.4	1.7	1	0.6	0.9	0.3	0.2	0.6	1.5
29	0.6	0.7	1.3	1.3	1.1	0.8	1.3	1.2	1.7	1.3	2.9	3	3	2.3	2.5	1.8	1.3	1.4	0.8	1.1	1	1	1	0.7	1.5
30	0.3	0.4	0.9	1.5	1	1.8	1.3	2.2	2.8	4	4.9	4.8	4.9	4	4.7	3.8	3.8	3.7	3.6	4.1	4.7	5.1	5.2	4.8	3.2
Avg	1.4	1.4	1.4	1.4	1.2	1.2	1.3	1.6	2.2	2.8	3.1	3.2	3.1	3.1	3	2.6	2	1.6	1.2	1.2	1.4	1.3	1.3	1.5	1.9
S D	1.2	1.2	1.2	1.1	0.9	1	1	1.1	1.3	1.3	1.1	1.1	1	1	1.1	0.9	0.8	0.9	0.9	0.9	1.1	1.2	1.2	1.2	0.7
S/A	0.82	0.85	0.86	0.76	0.81	0.85	0.79	0.74	0.59	0.47	0.36	0.35	0.33	0.33	0.35	0.34	0.39	0.56	0.71	0.72	0.76	0.91	0.93	0.84	0.38
Min	0	0	0	0	0	0	0	0	0	0	0.7	0.6	0.8	1.4	0.9	0.7	0.1	0.1	0	0.2	0.1	0	0	0	0.5
Max	5	5	5.6	4.8	3.9	3.7	3.8	4.3	5.1	5.5	4.9	5.7	5.2	5	4.8	4.1	3.8	3.7	3.6	4.1	4.7	5.1	5.2	4.8	3.4
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

November 2010

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	3	356	351	347	348	350	346	355	32	37	29	39	33	29	49	52	41	44	37	25	4	1	359	3	20
2	350	344	350	343	345	351	350	358	9	5	42	52	34	33	37	26	27	356	350	349	343	341	347	1	10
3	7	2	5	11	30	25	13	28	47	53	52	59	42	33	28	22	29	4	4	354	353	62	72	73	32
4	6	42	39	60	82	136	150	168	199	193	193	220	239	277	289	294	305	302	301	295	298	305	296	294	259
5	304	282	291	281	283	278	291	294	290	284	279	278	262	244	260	246	252	225	165	213	214	231	243	272	269
6	324	357	341	332	327	342	345	341	358	4	6	349	345	348	343	336	349	348	340	314	317	318	318	305	341
7	319	311	299	302	298	301	308	308	324	331	343	343	334	330	327	323	308	311	285	288	281	261	263	266	318
8	269	269	266	269	277	264	261	270	261	259	263	265	265	258	254	256	257	242	214	218	224	243	270	285	259
9	300	306	303	290	291	296	296	312	321	332	322	321	313	325	339	325	320	318	328	217	206	241	275	285	315
10	314	320	317	316	304	308	306	311	308	330	331	338	336	342	346	356	17	14	358	324	276	285	284	285	331
11	295	309	312	314	321	314	315	342	358	12	22	27	26	29	22	4	3	24	1	352	3	356	344	319	3
12	325	314	322	312	277	286	306	322	347	7	32	28	3	356	355	346	346	342	339	345	354	334	315	335	351
13	345	352	324	304	307	310	309	306	340	344	346	352	346	358	351	2	10	40	22	358	338	313	324	283	346
14	293	292	328	0	291	278	273	286	332	320	70	31	44	69	57	89	137	119	121	125	125	134	146	154	95
15	155	155	160	154	149	153	145	145	171	180	231	166	181	173	172	176	111	109	125	139	152	156	134	119	157
16	116	110	115	114	107	98	48	105	129	122	122	126	120	117	107	120	111	129	122	133	141	154	160	182	129
17	177	181	231	233	204	204	215	231	248	253	260	266	268	263	260	267	263	265	260	261	257	268	275	281	241
18	300	313	312	278	313	279	310	305	300	314	350	47	51	245	234	267	290	285	270	247	266	276	284	275	285
19	292	306	303	291	270	277	304	301	325	360	8	4	333	316	322	6	5	112	116	141	142	142	152	147	339
20	153	165	179	183	191	198	209	196	203	225	218	223	235	248	251	240	210	227	217	210	211	221	192	206	223
21	201	0	202	211	296	357	347	18	47	95	103	110	115	124	100	89	108	107	101	99	104	123	115	144	107
22	138	5	7	84	109	107	0	0	176	177	202	211	216	189	183	150	122	151	163	187	187	186	188	181	
23	181	182	174	185	187	201	219	227	226	211	217	225	220	229	228	226	221	223	228	219	219	229	270	285	223
24	294	293	285	282	292	312	341	346	358	7	358	356	3	11	25	32	37	33	35	25	352	3	1	19	1
25	28	330	27	11	8	308	350	22	87	106	120	129	130	117	106	117	107	123	146	169	181	181	181	187	142
26	190	187	184	185	194	191	194	200	214	225	262	272	224	165	216	261	260	240	236	251	250	272	286	275	217
27	274	288	289	289	285	283	280	280	287	291	290	292	293	296	291	295	283	276	270	255	232	224	302	341	290
28	350	348	348	340	315	305	297	296	316	332	13	21	28	29	57	48	64	62	51	52	57	28	336	23	13
29	354	330	349	358	1	5	12	7	28	28	61	71	62	68	81	79	61	60	53	36	31	51	58	51	46
30	47	52	74	80	85	113	118	120	128	125	124	128	123	133	149	145	135	134	138	136	137	135	134	139	130
Avg	303	303	305	299	288	279	296	298	315	335	353	350	343	329	326	329	9	47	50	356	217	232	255	264	317
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.

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

November 2010

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	4.7	4	4.1	4.4	3.3	2.9	3.2	3.5	5.1	6.5	5.8	6.1	5.6	5.6	6	5.9	5.2	4.1	3.5	3	3.7	4.2	3.9	4.1	4.5
2	3.7	3.6	4.3	4.1	4.3	4.8	5.2	5.3	4.5	4.3	6.3	5.8	6.1	5.7	6.2	5.3	5.2	3.5	3.2	3.4	1.7	1.4	1.9	1.9	4.2
3	2	2.1	2	2.2	2.3	1.9	2.1	2	3.2	4.7	5.4	5.4	4.9	4	2.9	3	2.9	2.4	2.3	2.4	1.4	0.3	1.3	0.4	2.6
4	1.5	1	2.1	2.6	0.8	1.3	2.1	2.4	5.5	4.7	5.8	5.2	3.2	3.7	4.3	4.2	3.2	2.6	3.7	4.3	5.7	4.8	3.8	3.2	3.4
5	2.4	3.1	2.8	2.6	3.2	4.6	5.4	3.6	3.7	4.4	4.3	5.4	5.6	6	5.3	4.5	2.1	0.4	0.4	1.1	1.3	1.1	1.3	3.9	3.3
6	2.7	2.1	3.7	3.2	2.9	2.9	4.1	4.6	5.7	7.1	6.1	6.5	7.5	7.7	7.9	6.7	4.9	5.1	2.6	2.8	4.7	5	4.8	5.3	4.9
7	5.2	4.5	3.9	4.2	3.9	3.8	3.7	4.8	6.4	8.2	8.3	7.9	9.4	9	8.4	6.9	5.7	2.6	1.9	2.8	2	1.7	2.2	2.7	5
8	3.2	3.1	3.7	3	2.4	2.8	2.9	3.4	3.8	4.9	5.1	6.4	7.2	7.6	8.1	7.6	4.7	2.4	1.4	2.4	3.2	2.3	3.1	2.8	4.1
9	3.3	4.3	4.4	3.4	2.5	2.4	1.9	3.7	6.9	7.5	6.8	6.9	5.8	6.2	5.4	4.8	2.7	0.9	0.1	0.4	0.2	0.8	1.2	1.4	3.5
10	2.4	3.3	3.6	3.6	3.4	2.8	2.7	2.9	4.7	5.3	5.6	6.8	7.2	6.7	6.1	5.4	4	3.4	1.7	1	1.2	1.4	1.4	1.7	3.7
11	1.7	2	2.9	3.5	2.9	2.7	2.5	4.4	5.5	6.5	7.5	6.9	7	8	6.7	6.4	5.7	6.6	4.5	4.4	4.5	3.3	2.2	1.9	4.6
12	2.1	2.2	3.1	2.3	1.2	0.9	1.3	2.1	5.3	6	7.1	6.1	5.9	6.2	6.4	6.1	5.2	3.9	3.9	3.3	2.8	2.5	2.3	3	3.8
13	3	4	2.2	2.4	2.3	2	1.9	2.4	4.7	5.2	5.3	5.9	6	5.7	5.8	5.5	4.1	2.1	1.3	1.3	1.6	1.2	0.5	0.5	3.2
14	0.3	0.4	0.3	0	0.1	0.2	0.3	0.1	0.8	1	1.8	1.7	2.1	2.7	2.1	2.8	3	2.5	1.3	0.8	1.2	1.5	0.6	0.8	1.2
15	1.3	0.6	0.2	0.7	0.9	0.6	0.1	0.2	1.2	2.1	2.5	3.2	4.1	4	3.9	2.2	2	1.8	1.7	2.6	2.6	2.4	1.7	2.8	1.9
16	1.8	2.1	2.3	2.3	1.2	1.2	1	1.5	2.9	5.2	5.8	6.9	4.9	4.8	5.6	3.5	4.2	5.5	5.7	5.1	7.1	7.4	5.8	5.8	4.2
17	8.9	8.6	10.1	8.6	5.9	6	5.6	7.2	8.9	9.6	8.9	7.8	7.1	8.2	7.8	6.9	4.5	3.6	2.5	2.2	2.1	2.8	2	2	6.2
18	2.2	1.7	0.9	0.2	0.6	0.4	0.6	1.5	1.6	1.6	1.9	2.2	2.6	3.2	3	5.7	3.5	2	1.6	0.9	2.3	3.5	2.6	2	2
19	2.4	2.5	0.9	1.7	1.2	1	1.5	2	3.9	5.6	5.6	5	4.6	3.9	3.9	1.9	0.6	2	1	1	1.8	1.3	1	0.7	2.4
20	0.8	1	1.2	2.1	2.6	2.9	2.4	3.7	3.8	6.5	7.2	7.1	7.8	8.2	7.4	5.2	3.8	1.4	1.4	1.3	0.9	0.7	0.3	0.6	3.3
21	0.3	0	0.1	1.1	0.1	0.3	0.5	0.1	1.4	3	4.5	5.2	4.7	4.5	3.3	3.2	3.2	2.7	2.3	2	2.3	1.2	0.4	0.3	1.9
22	0.8	0	0.1	0.1	0.4	0.4	0	0	0	0.4	2.3	2.8	3.6	4.3	4.4	3.7	2.5	2.8	2.5	1.4	2.1	2.1	2.2	2.9	1.7
23	2.7	2.2	1.6	2	2.3	2.3	2.7	3.3	3.5	5.2	7.8	10	7.5	8.9	8.1	6	3.8	2.6	2.8	1.7	2	1.9	4.2	4.5	4.2
24	4.6	3.3	2.2	1.5	1.1	1.8	4.3	5	6.1	7.3	7	6.3	5.9	6.1	5.4	5.1	4.9	4.5	3.5	2.7	1.7	1.1	0.9	1.7	3.9
25	1.7	0.8	0.9	1.4	0.5	0	0.3	0.8	1.3	3.9	3.9	3.6	4.1	3.4	3.7	3.6	2.5	2.1	2.4	3.3	4.7	4.9	6.5	8	2.8
26	6.9	6.9	5.7	6	6.9	6.1	6.6	7.1	9.1	8.6	8.9	7	4.6	6.3	6.6	4.8	4.4	3.6	3.1	2.5	2.2	2	2.7	4.3	5.5
27	4.3	6.2	4.8	4.7	3.6	4.1	4.3	4.4	5.3	5.6	7.1	6.2	6.4	5.4	6	5.7	3.4	1.3	0.5	0.9	0.7	0.6	1.7	4.4	4.1
28	4.4	4.3	4.5	3.2	2.1	1.4	1.1	1.3	2.9	4.1	4.8	4.9	4.9	3.7	3.4	3.8	4.3	3.2	1.9	1.3	1.8	0.7	0.4	1	2.9
29	1.1	1.3	2.1	2.4	2	1.3	1.8	2.1	3	2.7	5.1	5.4	5.1	4.4	4.3	3.3	2.4	2.5	1.7	1.7	1.6	1.8	1.8	1.4	2.6
30	0.8	1	1.6	2.5	1.8	3.1	2.6	3.9	4.5	6.5	8.5	7.8	7.7	7	8.1	6.9	6.3	6.2	5.9	6.4	7.8	8.2	8.5	8.3	5.5
Avg	2.8	2.7	2.8	2.7	2.3	2.3	2.5	3	4.2	5.1	5.8	5.8	5.6	5.7	5.6	4.9	3.8	3	2.4	2.3	2.6	2.5	2.4	2.8	3.6
SD	1.9	2	2.1	1.8	1.6	1.7	1.8	1.9	2.2	2.2	2	1.8	1.7	1.8	1.8	1.5	1.3	1.5	1.4	1.4	1.8	1.9	1.9	2.1	1.2
S/A	0.7	0.74	0.76	0.65	0.7	0.72	0.71	0.64	0.53	0.43	0.34	0.31	0.3	0.31	0.32	0.31	0.34	0.49	0.59	0.6	0.69	0.79	0.8	0.74	0.34
Min	0.3	0	0.1	0	0.1	0	0	0	0	0.4	1.8	1.7	2.1	2.7	2.1	1.9	0.6	0.4	0.1	0.4	0.2	0.3	0.3	0.3	1.2
Max	8.9	8.6	10.1	8.6	6.9	6.1	6.6	7.2	9.1	9.6	8.9	10	9.4	9	8.4	7.6	6.3	6.6	5.9	6.4	7.8	8.2	8.5	8.3	6.2
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% 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.

November 2010

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	1018	1018	1019	1019	1020	1021	1022	1023	1023	1024	1024	1024	1023	1023	1023	1023	1024	1024	1025	1025	1026	1026	1026	1026	1023	
2	1026	1026	1026	1026	1026	1027	1027	1027	1027	1027	1027	1027	1026	1026	1025	1025	1025	1025	1025	1024	1024	1024	1024	1024	1023	1026
3	1023	1022	1021	1021	1020	1020	1020	1020	1020	1019	1019	1018	1017	1015	1014	1013	1013	1012	1012	1011	1011	1010	1009	1008	1016	
4	1007	1005	1004	1003	1002	1001	1001	1001	1001	1000	999	998	997	996	996	996	996	996	996	996	996	996	997	997	999	
5	997	997	997	998	998	999	1000	1001	1002	1003	1003	1003	1003	1004	1004	1005	1006	1007	1008	1009	1009	1010	1010	1010	1003	
6	1011	1011	1012	1011	1012	1013	1014	1015	1016	1016	1017	1017	1016	1017	1017	1018	1019	1020	1021	1021	1022	1022	1022	1023	1017	
7	1022	1023	1023	1023	1024	1024	1024	1025	1025	1025	1024	1023	1022	1021	1021	1020	1020	1020	1020	1020	1020	1019	1019	1018	1022	
8	1017	1017	1016	1015	1015	1015	1014	1014	1014	1013	1012	1011	1010	1008	1007	1007	1007	1007	1007	1007	1006	1007	1007	1007	1011	
9	1008	1008	1008	1008	1009	1009	1010	1011	1011	1012	1012	1011	1011	1010	1010	1011	1011	1011	1011	1012	1012	1012	1012	1012	1010	
10	1012	1013	1013	1013	1014	1014	1014	1015	1016	1016	1016	1016	1015	1015	1015	1016	1017	1017	1018	1018	1019	1019	1019	1019	1016	
11	1019	1019	1019	1019	1020	1021	1022	1022	1023	1023	1024	1024	1024	1024	1024	1025	1025	1025	1025	1026	1026	1026	1026	1026	1023	
12	1025	1025	1025	1024	1024	1024	1024	1025	1025	1025	1025	1025	1025	1024	1023	1023	1023	1023	1023	1023	1023	1023	1022	1022	1024	
13	1021	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1019	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1019	
14	1017	1017	1016	1016	1016	1016	1016	1017	1017	1017	1017	1017	1016	1015	1015	1015	1014	1014	1014	1014	1014	1015	1015	1015	1016	
15	1014	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1014	1014	1013	1014	1013	1014	1014	1014	1014	1015	1015	1014	1014	
16	1013	1013	1013	1012	1013	1013	1013	1013	1013	1013	1012	1011	1010	1009	1008	1008	1007	1007	1006	1006	1005	1005	1004	1004	1010	
17	1004	1002	1004	1005	1005	1006	1006	1008	1009	1010	1010	1009	1010	1010	1011	1012	1012	1014	1015	1016	1016	1016	1017	1017	1010	
18	1017	1017	1018	1018	1018	1018	1019	1019	1020	1021	1020	1019	1018	1017	1017	1018	1018	1018	1018	1019	1020	1020	1020	1020	1019	
19	1020	1020	1021	1021	1022	1023	1023	1024	1025	1025	1025	1024	1024	1023	1023	1023	1024	1024	1024	1024	1024	1024	1024	1024	1023	
20	1025	1025	1025	1024	1024	1024	1024	1024	1024	1024	1024	1024	1023	1022	1021	1021	1022	1021	1022	1022	1023	1023	1023	1024	1023	
21	1024	1024	1024	1025	1025	1025	1026	1026	1027	1027	1028	1027	1026	1026	1026	1026	1026	1026	1026	1027	1026	1027	1027	1027	1026	
22	1026	1026	1026	1026	1026	1027	1027	1027	1027	1027	1027	1026	1025	1024	1023	1023	1023	1022	1022	1022	1022	1022	1022	1021	1025	
23	1021	1020	1020	1019	1019	1019	1019	1018	1018	1018	1017	1016	1015	1014	1013	1013	1013	1013	1014	1013	1013	1013	1014	1015	1016	
24	1015	1016	1016	1016	1017	1018	1018	1019	1021	1021	1022	1021	1021	1021	1020	1021	1022	1022	1022	1022	1022	1022	1022	1022	1020	
25	1021	1021	1021	1021	1021	1020	1020	1020	1020	1020	1020	1019	1018	1017	1016	1015	1014	1014	1013	1013	1012	1012	1011	1010	1017	
26	1010	1009	1008	1007	1007	1006	1006	1006	1006	1006	1006	1006	1006	1003	1003	1004	1005	1005	1006	1006	1006	1006	1005	1005	1006	
27	1005	1006	1007	1007	1008	1009	1010	1011	1011	1012	1012	1012	1011	1012	1012	1013	1014	1015	1015	1016	1017	1018	1019	1020	1012	
28	1020	1021	1022	1022	1023	1023	1024	1025	1026	1026	1026	1026	1026	1025	1026	1026	1026	1027	1027	1027	1028	1028	1029	1028	1025	
29	1028	1028	1028	1029	1029	1029	1029	1029	1029	1030	1030	1030	1030	1029	1029	1028	1028	1028	1028	1027	1027	1027	1026	1025	1028	
30	1025	1025	1024	1024	1024	1024	1024	1023	1023	1023	1023	1022	1020	1019	1019	1019	1018	1018	1018	1017	1016	1015	1015	1014	1021	
Avg	1017	1017	1017	1017	1017	1017	1018	1018	1019	1019	1019	1018	1017	1017	1016	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017
S/D	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	997	997	997	998	998	999	1000	1001	1001	1000	999	998	997	996	996	996	996	996	996	996	996	996	997	997	999	
Max	1028	1028	1028	1029	1029	1029	1029	1029	1030	1030	1030	1030	1029	1029	1028	1028	1028	1028	1027	1028	1028	1029	1029	1028	1028	
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.

November 2010

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	12.7	13.7	13.5	13.4	13.4	13.4	13.3	13.3	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.7	12.7	12.7	13
2	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.6	13.7	13.6	13.5	13.5	13.5	13.5	13.5	13.6	13.4	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13.1
3	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.3	13.5	13.5	13.4	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.9
4	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.9	12.9	12.8	12.8	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.6
5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.2	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.9
6	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13	13.7	13.6	13.5	13.4	13.5	13.5	13.5	13	12.9	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13
7	12.7	12.7	12.6	12.6	12.6	12.6	12.6	13.8	13.7	13.6	13.6	13.5	13.5	13.5	13.5	13.6	13.4	12.9	12.8	12.8	12.8	12.7	12.7	12.7	13.1
8	12.7	12.7	12.7	12.6	12.6	12.6	12.9	13.9	13.8	13.7	13.5	13.5	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13.1
9	12.7	12.7	12.7	12.7	12.7	12.6	12.8	13.8	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.7	12.7	12.7	13
10	12.7	12.7	12.7	12.7	12.7	12.6	12.8	13.7	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13.5	13.3	12.9	12.9	12.8	12.8	12.8	12.8	12.7	13.1
11	12.7	12.7	12.7	12.7	12.7	12.6	12.7	13.8	13.6	13.5	13.5	13.4	13.4	13.4	13.5	13.3	13	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13
12	12.7	12.7	12.7	12.6	12.6	12.6	12.7	13.9	13.7	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13
13	12.7	12.7	12.7	12.7	12.6	12.6	12.8	13.8	13.6	13.5	13.4	13.4	13.3	13.3	13.3	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
14	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13.8	13.7	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
15	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.6	13.6	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13
16	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.4	13.3	13.3	13.3	13.3	13.3	13.3	13	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.9
17	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.4	13.3	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13
18	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.9	13.7	13.5	13.4	13.3	13.3	13.3	13.4	13.5	13.1	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
19	12.7	12.7	12.7	12.6	12.6	12.6	12.6	13.9	13.8	13.6	13.5	13.5	13.4	13.4	13.4	13.5	13.3	12.9	12.8	12.8	12.8	12.8	12.8	12.7	13.1
20	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.7	13.7	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
21	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.6	13.6	13.5	13.4	13.4	13.3	13.3	13.3	13.3	13.2	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13
22	12.8	12.7	12.7	12.7	12.7	12.6	12.6	13.5	13.6	13.4	13.3	13.3	13.2	13.2	13.2	13.3	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13
23	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13	13.5	13.3	13.3	13.2	13.2	13.2	13.2	13	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.9
24	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.5	13.5	13.3	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13
25	12.7	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.5	13.6	13.5	13.5	13.5	13.4	13.5	13.4	13	12.9	12.9	12.9	12.9	12.8	12.8	12.8	13
26	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13	13.4	13.3	13	13.1	13.1	13.4	13.5	13.3	12.9	12.9	12.8	12.8	12.8	12.8	12.7	12.7	12.9
27	12.7	12.6	12.6	12.6	12.6	12.5	12.5	13.8	13.8	13.7	13.6	13.6	13.5	13.5	13.5	13.6	13.4	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13.1
28	12.7	12.7	12.7	12.7	12.6	12.6	12.6	13.9	13.8	13.7	13.6	13.5	13.5	13.5	13.5	13.6	13.4	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13.1
29	12.7	12.7	12.7	12.7	12.7	12.6	12.6	13.8	13.8	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.3	12.9	12.9	12.8	12.8	12.8	12.8	12.8	13.1
30	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.9	13.5	13.4	13.4	13.4	13.4	13.4	13.2	13	12.9	12.9	12.9	12.9	12.8	12.8	12.8	12.8	13
Avg	12.7	12.7	12.7	12.7	12.6	12.6	12.7	13.5	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.3	13.2	12.9	12.8	12.8	12.8	12.8	12.7	12.7	13
S D	0	0	0	0	0	0	0.1	0.5	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
S/A	0	0	0	0	0	0	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0	0	0	0	0	0	0	0.01
Min	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.7	12.9	12.9	12.8	12.8	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.6
Max	12.8	12.8	12.8	12.7	12.7	12.7	12.9	13.9	13.8	13.7	13.6	13.6	13.5	13.5	13.5	13.6	13.4	12.9	12.9	12.9	12.9	12.8	12.8	12.8	13.1
n	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	8640

Data Recovery: 0.0% missing; 0.0% 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.