

Global Solar Radiation on a Horizontal Surface
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - February 2001

Field: GHI

Hour 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	30	107	199	277	318	306	242	189	149	51	3	0	0	0	0	0	0	1871
2	0	0	0	0	0	0	0	16	44	82	114	129	82	85	179	146	75	7	0	0	0	0	0	0	957
3	0	0	0	0	0	0	0	50	220	403	544	627	632	572	451	294	108	7	0	0	0	0	0	0	3907
4	0	0	0	0	0	0	0	8	35	72	161	225	184	169	163	102	34	2	0	0	0	0	0	0	1155
5	0	0	0	0	0	0	0	7	22	163	266	404	298	210	310	290	133	10	0	0	0	0	0	0	2112
6	0	0	0	0	0	0	0	52	218	398	536	620	638	586	470	317	137	12	0	0	0	0	0	0	3983
7	0	0	0	0	0	0	0	53	212	390	529	608	623	574	468	313	130	12	0	0	0	0	0	0	3912
8	0	0	0	0	0	0	0	53	214	386	528	608	611	549	446	312	111	7	0	0	0	0	0	0	3827
9	0	0	0	0	0	0	0	52	214	402	524	591	617	526	330	234	73	6	0	0	0	0	0	0	3568
10	0	0	0	0	0	0	0	14	30	78	148	158	480	596	501	338	152	16	0	0	0	0	0	0	2510
11	0	0	0	0	0	0	0	67	247	440	580	660	676	612	503	347	143	12	0	0	0	0	0	0	4286
12	0	0	0	0	0	0	0	13	30	56	97	171	138	134	85	58	23	2	0	0	0	0	0	0	808
13	0	0	0	0	0	0	0	14	45	113	150	198	348	488	508	254	110	12	0	0	0	0	0	0	2242
14	0	0	0	0	0	0	0	8	41	89	130	138	65	142	114	76	49	12	0	0	0	0	0	0	862
15	0	0	0	0	0	0	0	25	57	141	104	105	58	105	166	157	109	19	0	0	0	0	0	0	1045
16	0	0	0	0	0	0	0	14	60	158	271	372	416	547	393	275	115	20	0	0	0	0	0	0	2641
17	0	0	0	0	0	0	0	18	147	249	129	181	206	402	501	338	174	24	0	0	0	0	0	0	2369
18	0	0	0	0	0	0	1	85	274	452	570	701	719	658	551	386	191	27	0	0	0	0	0	0	4615
19	0	0	0	0	0	0	2	43	145	384	567	677	736	666	550	390	190	28	0	0	0	0	0	0	4379
20	0	0	0	0	0	0	2	47 ?	247 ?	404	478	677	697	617	525	365	172	23	0	0	0	0	0	0	4255
21	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 *
22	0	0	0	0	0	0	2	44	66	50	22	47	71	110	43	61	59	14	0	0	0	0	0	0	590
23	0	0	0	0	0	0	3	103	299	493	637	721	739	686	565	398	209	30	0	0	0	0	0	0	4884
24	0	0	0	0	0	0	4	103	300	491	632	650	705	604	557	388	213	38	0	0	0	0	0	0	4686
25	0	0	0	0	0	0	2	64	168	274	245	257	129	51	123	147	81	5	0	0	0	0	0	0	1545
26	0	0	0	0	0	0	5	116	319	501	558	641	638	708	569	405	211	39	0	0	0	0	0	0	4711
27	0	0	0	0	0	0	6	123	326	512	655	739	754	700	573	334	117	23	0	0	0	0	0	0	4863
28	0	0	0	0	0	0	0	17	38	64	70	166	157	223	401	178	129	44	0	0	0	0	0	0	1485
Avg	0	0	0	0	0	0	1	46	153	276	353	422	434	428	379	261	122	17	0	0	0	0	0	0	2788
S D	0	0	0	0	0	0	2	34	104	165	214	238	254	227	174	111	54	12	0	0	0	0	0	0	1539
S/A	0	0	0	0	0	0	1.54	0.75	0.68	0.6	0.61	0.56	0.59	0.53	0.46	0.42	0.44	0.69	0	0	0	0	0	0	0.55
Min	0	0	0	0	0	0	0	7	22	50	22	47	58	51	43	58	23	2	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	6	123	326	512	655	739	754	708	573	405	213	44	0	0	0	0	0	0	4884

Daylight Data Recovery: 4% missing; 0% exceed the 15% QC threshold -- 3642 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: PSP
Calibration Constant: 9.83 uV/Wm-2
Serial Number: 25823F3
Calibration Date: 5/20/1998

**Direct Normal Solar Radiation
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - February 2001**

Field: DNI

Hour 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	1	8	20	24	28	20	4	3	5	0	0	0	0	0	0	0	0	0	114
2	0	0	0	0	0	0	0	1	1	2	1	1	0	1	11	20	29	12	0	0	0	0	0	0	0	81
3	0	0	0	0	0	0	0	344	724	848	903	915	876	809	616	505	232	3	0	0	0	0	0	0	0	6776
4	0	0	0	0	0	0	0	1	1	1	2	3	2	1	1	1	0	0	0	0	0	0	0	0	0	12
5	0	0	0	0	0	0	0	0	1	26	40	138	52	49	206	506	479	67	0	0	0	0	0	0	0	1565
6	0	0	0	0	0	0	0	292	655	793	849	871	870	826	744	707	529	93	0	0	0	0	0	0	0	7228
7	0	0	0	0	0	0	0	260	607	741	808	827	826	800	764	677	442	48	0	0	0	0	0	0	0	6799
8	0	0	0	0	0	0	0	229	578	697	772	793	735	657	594	579	234	1	0	0	0	0	0	0	0	5869
9	0	0	0	0	0	0	0	196	555	715	728	683	587	366	136	193	6	2	0	0	0	0	0	0	0	4168
10	0	0	0	0	0	0	0	1	1	1	2	5	247	785	826	748	574	134	0	0	0	0	0	0	0	3324
11	0	0	0	0	0	0	0	349	692	837	883	893	884	797	749	659	304	2	0	0	0	0	0	0	0	7048
12	0	0	0	0	0	0	0	0	1	0	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	9
13	0	0	0	0	0	0	0	1	1	1	1	3	8	422	699	190	37	1	0	0	0	0	0	0	0	1363
14	0	0	0	0	0	0	0	1	1	3	3	1	0	2	1	1	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	1	0	2	0	1	0	1	2	3	119	34	0	0	0	0	0	0	0	164
16	0	0	0	0	0	0	0	1	2	4	2	4	65	419	244	190	60	24	0	0	0	0	0	0	0	1016
17	0	0	0	0	0	0	0	1	106	103	10	3	18	214	573	561	494	142	0	0	0	0	0	0	0	2226
18	0	0	0	0	0	0	0	364	680	747	775	895	909	898	888	830	688	253	0	0	0	0	0	0	0	7926
19	0	0	0	0	0	0	11	11	25	280	543	822	962	893	827	808	656	233	0	0	0	0	0	0	0	6071
20	0	0	0	0	0	0	3	159	630	517	502	815	827	751	698	681	465	66	0	0	0	0	0	0	0	6114
21	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
22	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	7
23	0	0	0	0	0	0	1	266	710	852	904	925	927	909	844	717	625	166	0	0	0	0	0	0	0	7846
24	0	0	0	0	0	0	27	332	639	783	820	587	656	568	667	624	495	117	0	0	0	0	0	0	0	6317
25	0	0	0	0	0	0	1	22	118	47	11	17	1	1	2	8	1	0	0	0	0	0	0	0	0	230
26	0	0	0	0	0	0	42	516	762	815	625	732	675	889	862	801	677	292	0	0	0	0	0	0	0	7688
27	0	0	0	0	0	0	57	543	770	862	908	932	940	919	799	306	7	0	0	0	0	0	0	0	0	7043
28	0	0	0	0	0	0	0	0	0	0	0	1	1	3	75	11	50	141	0	0	0	0	0	0	0	283
Avg	0	0	0	0	0	0	5	144	306	359	375	404	411	444	438	383	267	68	0	0	0	0	0	0	0	3475
S/D	0	0	0	0	0	0	14	175	327	374	392	410	406	376	353	317	258	86	0	0	0	0	0	0	0	3143
S/A	0	0	0	0	0	0	2.59	1.21	1.07	1.04	1.05	1.02	0.99	0.85	0.81	0.83	0.97	1.27	0	0	0	0	0	0	0	0.9
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	57	543	770	862	908	932	962	919	888	830	688	292	0	0	0	0	0	0	0	7926

Daylight Data Recovery: 4% missing; 0% exceed the 15% QC threshold -- 3642 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: NIP
Calibration Constant: 7.53 uV/Wm-2
Serial Number: 25519E6
Calibration Date: 5/20/1998

Diffuse Solar Radiation on a Horizontal Surface (Shadow Band PSP)
Hourly Integrated and Daily Totals
Watt-Hours per Square Meter
Elizabeth City State Univ. - February 2001

Field: DHI

Hour 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	27	101	187	260	297	293	225	177	144	48	3	0	0	0	0	0	0	1763	
2	0	0	0	0	0	0	0	15	41	78	109	122	78	81	167	132	67	6	0	0	0	0	0	0	894	
3	0	0	0	0	0	0	0	17	41	51	56	66	76	86	135	107	58	6	0	0	0	0	0	0	698	
4	0	0	0	0	0	0	0	7	34	68	153	210	174	160	154	96	32	2	0	0	0	0	0	0	1089	
5	0	0	0	0	0	0	0	7	21	146	233	301	254	173	198	106	44	6	0	0	0	0	0	0	1488	
6	0	0	0	0	0	0	0	22	48	58	65	71	75	83	85	58	37	6	0	0	0	0	0	0	609	
7	0	0	0	0	0	0	0	24	53	68	76	83	85	86	77	64	43	9	0	0	0	0	0	0	666	
8	0	0	0	0	0	0	0	29	61	79	89	95	117	126	121	91	54	6	0	0	0	0	0	0	869	
9	0	0	0	0	0	0	0	28	61	85	103	136	217	282	247	153	68	5	0	0	0	0	0	0	1385	
10	0	0	0	0	0	0	0	13	29	73	137	148	278	98	63	51	35	7	0	0	0	0	0	0	932	
11	0	0	0	0	0	0	0	25	51	59	65	72	78	96	92	79	65	11	0	0	0	0	0	0	693	
12	0	0	0	0	0	0	0	12	28	53	92	160	129	126	80	54	21	2	0	0	0	0	0	0	757	
13	0	0	0	0	0	0	0	13	42	106	140	184	327	222	117	163	99	12	0	0	0	0	0	0	1424	
14	0	0	0	0	0	0	0	7	38	84	122	130	62	133	108	72	46	11	0	0	0	0	0	0	812	
15	0	0	0	0	0	0	0	23	53	131	98	99	55	98	152	148	74	15	0	0	0	0	0	0	946	
16	0	0	0	0	0	0	0	13	56	147	252	341	349	241	238	187	98	16	0	0	0	0	0	0	1939	
17	0	0	0	0	0	0	0	16	100	195	119	167	184	244	175	102	59	13	0	0	0	0	0	0	1374	
18	0	0	0	0	0	0	1	33	60	89	87	87	82	69	58	46	33	9	0	0	0	0	0	0	654	
19	0	0	0	0	0	0	1	40	126	238	213	97	62	72	81	53	38	11	0	0	0	0	0	0	1031	
20	0	0	0	0	0	0	2	30	89	165	152	107	108	110	125	76	58	16	0	0	0	0	0	0	1039	
21	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*
22	0	0	0	0	0	0	2	39	60	46	20	44	65	100	40	56	54	13	0	0	0	0	0	0	540	
23	0	0	0	0	0	0	2	54	58	63	68	69	71	71	74	83	53	17	0	0	0	0	0	0	683	
24	0	0	0	0	0	0	3	53	76	91	105	207	212	191	156	108	81	25	0	0	0	0	0	0	1309	
25	0	0	0	0	0	0	2	55	124	234	224	229	117	47	114	133	72	4	0	0	0	0	0	0	1356	
26	0	0	0	0	0	0	3	29	46	68	132	89	119	92	55	46	35	13	0	0	0	0	0	0	726	
27	0	0	0	0	0	0	4	33	52	58	60	61	60	59	91	181	109	20	0	0	0	0	0	0	788	
28	0	0	0	0	0	0	0	16	35	58	64	151	143	202	331	163	110	30	0	0	0	0	0	0	1304	
Avg	0	0	0	0	0	0	1	25	59	103	122	142	143	132	130	102	59	11	0	0	0	0	0	0	992	
S D	0	0	0	0	0	0	1	14	27	56	63	78	88	65	66	43	24	7	0	0	0	0	0	0	406	
S/A	0	0	0	0	0	0	1.45	0.54	0.46	0.54	0.52	0.55	0.61	0.49	0.51	0.43	0.4	0.62	0	0	0	0	0	0	0.41	
Min	0	0	0	0	0	0	0	7	21	46	20	44	55	47	40	46	21	2	0	0	0	0	0	0	0	
Max	0	0	0	0	0	0	4	55	126	238	260	341	349	282	331	187	110	30	0	0	0	0	0	0	1939	

Daylight Data Recovery: 4% missing; 0% exceed the 15% QC threshold -- 3642 total daylight 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: PSP
Calibration Constant: 9.07 uV/Wm-2
Serial Number: 25819F3
Calibration Date: 5/20/1998

Dry Bulb Temperature (Roof)
Hourly and Daily Averages
Degrees Celsius
Elizabeth City State Univ. - February 2001

Field: Temp

Hour 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	10	9	9	7	7	6	7	6	7	8	9	10	11	12	12	11	10	9	8	8	7	7	6	6	8
2	5	5	5	4	4	4	4	4	5	7	7	8	8	8	9	9	9	9	8	7	7	7	6	5	6
3	4	4	2	1	1	0	-0	-0	0	1	2	4	4	5	6	6	4	4	2	2	1	1	1	1	2
4	1	1	1	2	2	2	3	3	4	5	6	7	8	9	9	9	8	7	7	7	7	7	7	7	5
5	7	7	8	8	9	9	8	6	6	6	7	8	8	8	9	9	9	7	7	7	7	7	7	6	8
6	5	5	4	3	3	2	2	2	4	6	8	9	10	11	11	12	12	11	9	8	8	7	7	7	7
7	7	6	6	6	5	5	4	5	7	9	10	11	11	11	12	12	11	10	8	7	6	6	6	6	8
8	6	5	6	6	6	6	6	7	9	11	14	15	17	18	19	19	18	16	15	14	13	13	12	12	12
9	12	12	11	11	11	10	10	11	13	16	18	19	21	21	21	21	20	19	17	17	16	16	16	16	16
10	16	15	16	16	16	17	17	17	18	18	17	17	18	20	18	15	13	11	9	8	8	7	7	7	14
11	6	5	5	4	3	3	2	2	2	3	4	5	5	5	5	5	4	2	2	1	1	1	1	1	3
12	1	2	1	2	3	3	3	3	4	4	4	5	6	7	7	7	6	6	5	5	5	5	6	6	4
13	6	6	6	5	5	5	4	4	4	4	5	6	7	9	10	12	11	10	9	8	7	7	7	7	7
14	7	7	7	7	7	7	7	7	7	7	8	10	10	10	11	11	12	12	13	13	13	14	15	16	10
15	16	16	16	16	16	16	16	17	17	18	18	18	18	18	18	19	19	19	18	17	10	9	8	8	16
16	9	9	9	8	8	8	8	8	8	8	9	10	12	15	19	20	20	20	18	16	15	13	11	10	12
17	9	8	8	8	9	8	8	8	8	8	8	9	9	10	10	10	10	7	5	4	4	3	3	2	7
18	1	0	-0	-1	-1	-1	-2	-2	-1	-0	0	1	2	3	4	3	3	2	1	-0	-1	-1	-1	-1	0
19	-1	-2	-2	-3	-3	-3	-2	-2	-1	2	4	5	7	8	9	10	10	9	8	8	8	7	7	6	4
20	6	6	6	6	6	6	6	7	8	11	14	16	17	18	19	19	19	18	17	16	15	15	15	14	13
21	14	14	14 *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10 *	9	7	6	5	3 *
22	4	3	2	2	1	1	2	3	4	5	5	4	4	5	5	4	3	3	3	2	2	1	1	-0	3
23	-1	-1	-1	-1	-1	-1	-2	-2	-0	1	4	6	7	8	9	10	9	9	8	6	6	6	4	4	4
24	4	4	4	4	4	4	3	4	5	7	7	7	8	8	8	8	8	6	5	5	5	5	6	6	6
25	6	7	9	10	11	11	11	12	14	16	17	18	18	18	17	17	17	17	17	17	17	18	18	18	15
26	17	18	18	17	17	16	15	15	16	18	19	20	20	20	18	16	14	13	11	10	9	8	8	7	15
27	6	5	6	5	5	4	4	5	6	9	9	10	11	12	13	12	10	9	8	8	8	8	8	8	8
28	8	9	9	9	9	9	9	6	5	5	4	5	4	5	6	6	6	6	4	3	3	3	3	3	6
Avg	7	7	7	6	6	6	6	6	7	8	9	10	11	11	12	12	11	10	9	8	8	7	7	7	8
SD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	5	4
S/A	0.69	0.74	0.77	0.82	0.84	0.87	0.88	0.88	0.77	0.65	0.59	0.54	0.51	0.48	0.44	0.43	0.45	0.49	0.55	0.58	0.59	0.61	0.64	0.69	0.56
Min	-1	-2	-2	-3	-3	-3	-2	-2	-1	-0	0	1	1	2	3	4	3	2	2	1	-0	-1	-1	-1	0
Max	17	18	18	17	17	17	17	17	18	18	19	20	21	21	21	21	20	19	18	17	17	18	18	18	16

Data Recovery: 2% missing; 0% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: HMP
Calibration Constant: 1.00 deg C/mV
Serial Number: P0520031 T
Calibration Date: 6/1/1995

Relative Humidity
Hourly and Daily Averages
Percent
Elizabeth City State Univ. - February 2001

Field: RH

Hour 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	68	67	70	79	88	91	82	87	83	76	70	63	57	55	53	59	70	74	77	79	83	88	91	93	75	
2	96	98	99	100 ?	? ?	? ?	? ?	? ?	99	95	88	83	84	85	78	68	70	72	74	79	77	60	52	47	67 ?	
3	48	43	41	45	46	42	44	46	40	37	35	33	31	29	31	29	29	39	61	68	69	72	72	74	46	
4	76	81	80	77	78	76	78	74	72	67	65	66	69	77	82	83	84	86	90	93	96	98	98 ?	? ?	77	
5	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	98 ?	94	87	83	82	78	72	70	74	80	85	82	74	68	68	50 ?	
6	68	68	72	71	72	74	75	76	72	64	60	54	50	50	48	44	44	51	59	64	72	77	77	73	64	
7	73	76	78	79	79	76	83	80	72	66	57	55	54	55	53	53	55	61	72	79	87	92	96	95	72	
8	93	93	92	91	90	87	84	76	75	69	62	60	59	57	60	60	62	70	77	83	88	90	90	89	77	
9	89	92	95	95	96	97	98	98	93	82	74	68	63	60	60	61	67	74	82	85	86	87	90	93	83	
10	96	95	89	86	85	86	88	89	87	90	95	84	73	51	48	55	56	60	65	68	73	72	61	52	75	
11	50	59	58	59	59	58	61	60	56	46	48	46	44	42	40	34	33	44	53	57	57	58	60	61	52	
12	63	69	73	72	73	71	72	78	80	90	96	96	96	96	88	77	74	80	99 ?	? ?	? ?	? ?	? ?	? ?	67 ?	
13	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	90	92	91	89	89	90	43 ?	
14	88	88	88	89	90	91	95	99 ?	? ?	? ?	99 ?	99	99 ?	? ?	? ?	? ?	? ?	93	93	97	99 ?	? ?	? ?	99 ?	98	51 ?
15	97	96	97	97	97	97	98	98	96	94	93	93	95	96	95	93	91	93	97	98	99 ?	? ?	? ?	? ?	84 ?	
16	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	88	93	97	100	99 ?	? ?	? ?	38 ?	
17	? ?	? ?	? ?	? ?	? ?	? ?	? ?	100	98	93	90	84	80	75	64	62	58	57	55	58	60	58	53	51	50 ?	
18	53	56	57	62	62	57	61	61	58	57	53	50	48	43	37	36	35	39	46	55	70	76	78	73	55	
19	71	71	70	76	80	81	85	88	89	76	63	42	40	37	29	37	47	49	57	63	71	82	90	96	66	
20	99	100 ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	99 ?	93	83	74	65	58	55	52	53	58	65	70	72	73	76	80	55 ?
21	84	86	86 *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	56 *	48	48	55	52	21 *
22	50	46	53	59	61	66	73	77	79	84	94	99 ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	? ?	35 ?	
23	? ?	? ?	? ?	? ?	100 ?	98	98	98	91	84	76	65	61	60	60	62	68	71	75	82	83	85	92	98	67 ?	
24	? ?	97 ?	97	99	94	89	87	84	72	62	57	53	50	53	60	65	71	79	85	90	95	98	97	97	76	
25	98	98	94	87	85	86	88	88	83	80	78	75	78	81	94	95	98	? ?	? ?	? ?	? ?	? ?	? ?	100 ?	66 ?	
26	? ?	99 ?	98	99	100	100 ?	94	81	67	46	38	36	31	41	52	54	59	63	68	74	71	80	76	78	67	
27	82	82	75	75	79	79	80	79	75	61	52	48	42	37	41	51	58	63	68	70	73	71	73	76	66	
28	79	77	77	77	77	77	72	82	90	91	89	83	84	79	67	67	68	69	76	83	86	87	87	86	80	
Avg	77	80	79	80	80	80	81	82	79	75	72	68	66	63	61	62	64	67	73	76	79	79	79	79	62	
SD	17	17	16	15	14	15	13	13	15	17	19	20	21	19	19	18	18	16	14	13	13	13	15	17	15	
S/A	0.22	0.21	0.2	0.18	0.18	0.19	0.17	0.16	0.19	0.23	0.26	0.29	0.31	0.31	0.31	0.29	0.28	0.24	0.19	0.17	0.16	0.17	0.19	0.21	0.25	
Min	48	43	41	45	46	42	44	46	40	37	35	33	31	29	29	29	29	39	46	55	48	48	52	47	21	
Max	99	100	99	100	100	100	98	100	99	98	99	99	99	96	95	95	98	98	99	98	100	99	99	100	84	

Data Recovery: 2% missing; 16% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: HMP
Calibration Constant: 1.00 %/mV
Serial Number: P0520031 H
Calibration Date: 6/1/1995

Temperature (CR10)
Hourly and Daily Averages
Degrees Celsius
Elizabeth City State Univ. - February 2001

Field: Temp CR10

Hour Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	9	8	7	7	6	5	5	5	5	7	8	10	12	13	13	12	11	9	8	7	6	5	5	4	8	
2	4	3	3	3	3	3	3	3	4	5	7	8	8	8	9	9	9	8	7	6	6	6	5	4	6	
3	3	2	1	-0	-1	-1	-2	-2	1	3	5	7	9	9	9	8	7	4	2	1	0	-0	-1	-1	3	
4	-1	-1	-1	-0	0	1	1	2	3	4	5	7	8	8	8	9	9	8	7	6	6	7	7	7	5	
5	7	7	7	8	8	8	8	7	6	6	7	9	10	9	10	10	10	9	6	5	5	5	5	4	7	
6	4	3	2	2	1	0	0	1	4	7	10	12	13	13	13	14	13	11	9	7	6	5	5	4	7	
7	4	4	4	4	4	3	3	2	3	6	9	12	14	15	15	15	14	13	11	8	7	5	5	4	8	
8	4	4	3	4	4	4	4	5	8	12	15	17	19	20	20	21	20	17	15	14	13	12	11	11	11	
9	10	10	9	9	9	9	9	9	12	16	19	21	23	23	23	22	21	19	18	17	16	15	15	15	15	
10	15	15	15	15	16	16	16	16	17	18	18	17	18	21	22	18	16	13	10	8	6	5	5	5	14	
11	5	4	3	3	2	1	1	1	3	5	6	8	8	8	8	7	6	3	1	1	-0	-0	-0	-0	3	
12	-0	0	0	1	1	2	2	3	3	3	4	5	7	7	7	7	6	6	5	5	5	5	6	4	4	
13	6	6	6	5	5	5	4	4	4	5	6	7	9	11	13	13	11	9	8	7	6	6	6	6	7	
14	6	7	7	6	7	7	7	7	7	7	8	9	10	10	10	11	12	12	13	13	13	13	14	15	10	
15	16	16	16	16	16	16	16	16	17	17	18	18	18	18	19	19	20	19	17	16	13	10	9	9	16	
16	9	9	9	9	8	8	8	8	8	9	12	13	16	20	22	22	22	20	17	15	14	12	10	10	13	
17	9	9	8	8	8	8	8	7	7	8	9	9	10	10	11	12	11	9	6	4	3	2	1	1	7	
18	-0	-1	-2	-2	-3	-3	-4	-3	-0	2	3	4	5	6	6	7	6	4	0	-2	-3	-4	-5	-5	0	
19	-5	-6	-6	-7	-7	-7	-7	-6	-4	1	5	7	9	10	11	11	12	10	8	7	7	5	5	4	2	
20	4	4	4	5	5	5	5	5	8	11	14	17	19	20	20	21	20	19	17	16	15	15	15	14	12	
21	14	13	13 *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10 *	9	7	6	4	3 *
22	3	2	2	1	1	0	0	1	3	4	4	4	4	4	5	4	3	3	3	2	2	2	1	1	3	
23	-0	-1	-1	-1	-1	-1	-2	-2	1	4	7	10	11	12	12	12	12	10	7	5	4	3	2	2	4	
24	1	1	2	2	2	1	0	2	5	8	10	11	11	11	11	11	10	8	5	4	3	3	4	4	5	
25	4	5	6	8	9	10	10	10	13	15	17	18	19	18	17	17	17	17	17	17	17	17	17	18	14	
26	17	17	17	17	16	15	14	15	17	19	21	22	23	23	22	20	18	15	11	9	7	6	5	5	15	
27	3	3	3	3	2	2	2	3	6	10	12	14	15	16	16	16	13	10	8	8	7	7	7	7	8	
28	7	8	8	8	9	9	9	7	6	5	5	5	5	6	7	8	7	6	4	2	1	1	1	1	6	
Avg	6	5	5	5	5	5	4	5	6	8	10	11	12	13	13	13	12	11	9	8	7	6	6	6	8	
SD	5	5	5	5	5	6	6	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	4	
S/A	0.92	0.99	1.03	1.11	1.15	1.2	1.25	1.13	0.82	0.62	0.53	0.46	0.43	0.43	0.41	0.39	0.41	0.46	0.58	0.67	0.73	0.79	0.84	0.91	0.58	
Min	-5	-6	-6	-7	-7	-7	-7	-6	-4	1	3	4	4	4	5	4	3	3	0	-2	-3	-4	-5	-5	0	
Max	17	17	17	17	16	16	16	16	17	19	21	22	23	23	23	22	22	20	18	17	17	17	17	18	16	

Data Recovery: 2% missing; 0% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: CSIT
Calibration Constant: 1.00 deg C/mV
Serial Number: 0
Calibration Date: 6/1/1995

**Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Univ. - February 2001**

Field: WS

Hour 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	1	2	2	2	2	2	2	1	1	2	2	1	1	0	2	2	1	2	2	1	1	1	0	1	
2	0	0	0	0	0	0	0	1	0	1	1	1	1	1	3	3	3	2	2	3	3	3	3	2	1	
3	2	3	2	1	2	3	3	2	4	4	3	2	2	2	2	2	1	1	2	2	2	2	2	1	2	
4	1	0	1	1	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	1	2	2	2	2	2	
5	2	2	2	1	1	1	2	3	3	5	4	3	4	5	5	4	4	2	0	1	2	2	3	2	3	
6	2	2	2	2	1	1	1	2	2	2	3	3	3	3	3	4	3	2	2	1	2	2	2	2	2	
7	2	2	2	1	1	1	1	1	2	3	4	3	2	3	3	3	2	1	2	1	1	2	2	2	2	
8	2	1	1	2	2	2	2	2	2	3	4	4	3	3	4	4	3	2	2	2	2	2	1	2	2	
9	1	1	1	1	2	2	2	2	2	3	4	4	5	6	4	4	4	4	4	4	4	4	4	4	3	
10	4	4	6	6	5	5	5	5	5	6	6	4	4	4	4	4	4	3	3	2	2	2	2	3	4	
11	3	3	3	3	3	3	3	3	5	5	4	4	4	4	4	4	3	3	3	2	1	2	2	2	3	
12	1	2	2	2	2	2	3	3	3	2	2	2	3	2	2	3	3	2	2	2	1	0	0	0	2	
13	0	0	1	1	2	2	2	1	0	1	2	2	3	3	4	4	3	2	2	0	1	1	1	0	2	
14	0	1	0	0	0	0	0	0	0	0	0	2	2	3	3	2	3	2	1	1	1	3	4	5	1	
15	5	6	5	5	5	5	5	4	5	5	4	3	4	3	3	2	1	1	0	1	4	3	3	1	4	
16	0	0	1	2	2	1	1	1	0	0	1	2	1	1	2	2	1	2	1	1	2	2	2	1	1	
17	2	4	2	3	3	4	4	5	4	4	3	4	3	4	4	4	4	4	4	3	3	4	3	3	3	
18	2	2	2	3	2	3	2	2	4	3	4	4	3	2	2	1	2	1	1	0	0	0	0	0	2	
19	0	0	0	0	0	0	0	0	1	2	3	3	4	4	4	4	4	3	2	2	1	2	2	2	2	
20	2	2	2	2	2	2	2	2	3	4	4	6	5	6	5	5	5	3	2	2	2	3	3	3	3	
21	3	3	4*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22	4	4	4	4	4	3	3	4	5	5	4	4	5	7	3	5	5	4	3	3	3	3	2	3	4	
23	3	3	3	3	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	0	1	1	0	0	2	
24	0	1	2	2	2	1	1	2	3	4	4	4	4	4	4	3	4	4	3	2	2	2	2	2	3	
25	2	2	3	3	3	2	2	3	4	4	5	6	6	5	4	5	5	4	4	4	4	4	4	3	4	
26	2	4	4	4	3	3	3	2	3	4	3	2	3	3	4	4	3	3	1	1	1	0	1	0	3	
27	0	1	2	1	1	2	2	3	3	3	3	3	2	2	2	2	3	3	3	2	2	1	1	1	2	
28	1	2	1	1	1	1	4	6	5	5	4	4	4	3	4	3	2	2	1	1	1	1	1	1	2	
Avg	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	
SD	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
S/A	0.72	0.72	0.67	0.69	0.62	0.63	0.61	0.58	0.58	0.51	0.41	0.4	0.41	0.47	0.36	0.33	0.38	0.44	0.56	0.61	0.59	0.61	0.61	0.71	0.36	
Min	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	1	
Max	5	6	6	6	5	5	5	6	5	6	6	6	6	7	5	5	5	4	4	4	6	6	6	5	4	

Data Recovery: 2% missing; 0% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
Latitude: 36.30° N
Longitude: 76.25° W
Elevation: 4 Meters AMSL
Time Zone: -5

Instrument: NRG
Calibration Constant: 0.76 m/s/mV
Serial Number: 0 WS
Calibration Date: 6/1/1995

Wind Direction
Hourly and Daily Averages
Degrees
Elizabeth City State Univ. - February 2001

Field: WD

Hour 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	247	237	209	217	219	267	245	199	216	267	299	310	294	329	320	293	305	279	279	286	283	273	287	282	265	
2	193	301	307	151	146	147	109	122	118	128	114	98	126	117	96	104	111	101	86	79	101	146	149	161	115	
3	158	184	171	160	187	188	191	198	203	203	215	206	152	133	133	153	146	328	311	305	310	308	313	336	199	
4	259	306	307	298	281	298	304	288	315	314	293	303	303	309	299	279	258	223	236	236	244	239	234	247	281	
5	241	251	245	262	254	149	156	137	119	183	162	145	131	136	131	143	110	117	81	53	76	122	122	122	143	
6	116	103	113	111	94	81	95	107	118	128	113	92	91	89	78	74	72	54	51	53	42	53	61	74	86	
7	72	70	89	154	144	153	218	204	240	275	279	286	294	337	317	318	315	329	304	285	283	293	279	300	295	
8	276	285	299	284	291	290	290	311	308	312	339	343	20	34	45	41	43	30	27	19	23	40	46	45	355	
9	43	43	48	53	45	42	42	42	52	67	61	59	52	65	62	44	37	43	45	54	45	42	60	55	51	
10	60	67	55	54	63	60	60	84	89	106	106	117	145	136	259	272	280	263	259	263	249	238	230	215	89	
11	231	235	240	226	227	221	243	225	213	219	215	210	225	218	224	204	248	264	263	250	259	261	259	255	230	
12	260	247	247	258	242	247	234	255	254	246	219	241	256	268	244	223	245	233	244	236	254	265	183	194	245	
13	217	183	171	187	180	193	185	237	210	194	198	195	208	228	238	240	249	256	247	222	210	204	205	195	218	
14	209	240	230	271	289	296	285	108	74	34	25	31	52	28	42	50	62	65	80	73	55	74	78	87	65	
15	95	99	92	96	95	93	93	104	107	97	94	118	109	102	110	111	78	98	122	217	235	240	249	284	105	
16	268	200	210	217	242	237	202	235	206	238	354	6	71	76	294	254	243	210	200	300	270	228	244	246	246	
17	217	202	208	277	188	197	179	203	187	203	214	200	205	190	182	221	212	240	220	221	221	201	201	181	206	
18	191	183	190	213	210	213	196	204	216	221	228	218	229	188	170	97	159	158	158	241	299	6	352	336	204	
19	35	97	0	47	37	70	0	79	99	42	7	18	46	34	71	58	43	39	51	47	54	52	58	51	45	
20	52	54	59	55	51	68	68	70	82	90	100	85	86	79	72	72	67	80	64	46	46	59	65	51	71	
21	59	72	85	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	239	242	249	244	233	238
22	250	241	255	263	253	252	253	258	252	239	236	239	259	284	189	195	201	201	170	150	132	180	120	160	229	
23	151	143	157	139	169	153	162	136	150	125	155	209	137	134	112	58	36	40	43	64	65	52	31	41	131	
24	64	200	230	236	260	265	258	255	256	272	278	258	270	270	256	264	274	264	264	251	260	282	299	297	263	
25	303	331	329	344	14	15	3	343	7	9	17	30	33	44	37	35	44	45	49	49	43	40	55	71	27	
26	66	80	99	100	108	109	130	131	148	162	167	153	152	245	259	263	270	268	243	239	218	303	255	192	156	
27	179	191	200	206	202	218	219	232	246	242	239	276	296	296	296	3	356	334	334	350	353	13	28	58	286	
28	47	64	75	114	149	149	201	246	253	228	254	235	246	249	219	224	240	251	279	330	2	345	350	12	240	
Avg	147	144	145	190	186	181	181	208	201	202	212	218	145	112	144	139	357	301	296	326	309	256	174	113	187	
162	174	175	185	172	173	172	186	176	180	185	176	165	169	175	158	180	183	179	189	179	175	180	169	169	182	
85	84	88	82	81	81	84	77	78	83	93	95	89	97	92	94	105	103	101	106	108	106	101	99	87		
0.52	0.48	0.5	0.44	0.47	0.47	0.49	0.41	0.44	0.46	0.5	0.54	0.54	0.57	0.53	0.59	0.58	0.56	0.56	0.56	0.6	0.6	0.56	0.59	0.48		
35	43	0	47	14	15	0	42	7	9	7	6	20	28	37	3	36	30	27	19	2	6	28	12	27		
303	331	329	344	291	298	304	343	315	314	354	343	303	337	320	318	357	334	334	350	353	345	352	336	355		

Data Recovery: 2% missing; 0% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station:	EC
Latitude:	36.30° N
Longitude:	76.25° W
Elevation:	4 Meters AMSL
Time Zone:	-5

Instrument:	NRGV
Calibration Constant:	0.14 deg/mV
Serial Number:	0
Calibration Date:	6/1/1995

**Peak Wind Speed
Hourly and Daily Averages
Meters/Second
Elizabeth City State Univ. - February 2001**

Field: Pk WS

Hour 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	3	4	2	3	2	3	1	2	3	3	2	2	1	3	2	2	2	2	2	1	1	0	2	
2	0	0	0	0	1	1	1	1	1	1	2	2	2	2	4	5	4	3	3	4	5	5	6	5	2	
3	4	5	5	2	4	5	5	4	6	6	5	3	3	3	4	3	2	2	3	3	3	2	3	2	4	
4	1	1	2	1	3	3	3	4	5	4	4	5	3	3	3	4	3	3	3	2	3	3	3	3	3	
5	3	3	3	2	1	2	4	6	6	9	7	6	7	8	8	7	7	3	1	1	3	4	4	4	5	
6	3	3	3	2	2	1	2	2	3	4	4	4	5	5	5	6	5	3	3	2	3	3	2	3	3	
7	3	3	3	2	2	1	1	2	3	5	5	5	4	4	4	4	3	2	2	2	2	3	3	3	3	
8	3	2	2	2	3	3	2	3	3	4	6	6	5	4	5	6	5	3	3	3	3	3	2	3	3	
9	2	2	2	2	2	2	3	3	3	5	6	7	8	9	7	7	6	7	7	7	6	7	6	7	5	
10	6	7	8	9	8	7	8	7	7	9	9	6	7	6	6	6	6	5	5	4	2	2	4	5	6	
11	5	5	5	5	6	5	4	5	7	8	7	7	6	6	6	6	5	5	4	3	2	3	3	3	5	
12	2	3	3	4	4	4	5	5	4	4	3	4	5	4	4	5	4	4	3	3	3	1	1	1	3	
13	1	1	2	3	3	4	4	3	1	3	4	4	4	5	6	6	5	3	3	1	3	3	2	0	3	
14	2	2	1	1	1	1	0	0	1	1	1	2	3	3	4	4	4	3	2	2	2	4	6	7	2	
15	8	10	8	8	7	7	8	6	7	7	6	5	5	4	4	4	2	1	0	2	6	5	4	2	5	
16	1	0	2	3	3	3	3	2	0	0	1	4	3	3	3	2	2	3	2	1	3	3	3	2	2	
17	4	6	4	5	5	7	7	8	7	7	5	6	5	6	7	7	6	6	6	4	4	6	7	5	6	
18	4	4	4	5	4	4	4	4	6	6	6	6	5	4	3	3	4	3	1	1	1	0	1	1	3	
19	0	0	0	1	1	0	0	0	1	3	5	5	6	6	6	6	6	5	3	3	2	2	3	2	3	
20	3	3	3	3	3	2	3	4	5	6	6	9	8	8	8	8	8	4	3	4	5	5	5	4	5	
21	4	4	5*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8*	9	9	9	8	2*
22	7	7	6	7	7	5	5	6	7	7	6	7	8	11	6	7	8	7	6	6	5	7	5	5	7	
23	6	6	5	6	5	4	3	3	3	3	3	3	4	3	3	4	4	2	2	1	1	1	1	1	3	
24	0	3	3	3	4	2	1	2	5	6	6	6	5	6	6	5	5	5	5	3	3	3	3	2	4	
25	2	3	4	4	4	4	3	5	6	7	8	9	9	7	7	8	8	7	7	7	7	6	7	5	6	
26	4	5	6	6	5	4	5	4	5	7	6	5	5	5	6	6	5	4	2	1	1	1	2	1	4	
27	1	1	2	2	2	3	3	4	5	4	5	4	4	3	3	4	4	4	3	3	3	2	2	2	3	
28	2	3	2	2	2	3	7	9	7	7	7	6	6	5	6	5	3	3	2	1	2	2	2	2	4	
Avg	3	3	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	4	3	3	3	3	4	3	4	
SD	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	
S/A	0.65	0.7	0.61	0.64	0.56	0.57	0.59	0.55	0.53	0.48	0.36	0.36	0.36	0.41	0.33	0.31	0.36	0.41	0.55	0.59	0.55	0.6	0.58	0.68	0.33	
Min	0	0	0	0	1	0	0	0	0	1	2	2	2	2	1	2	2	1	0	1	1	0	1	0	2	
Max	8	10	8	9	8	7	8	9	7	9	9	9	9	11	8	8	8	7	7	8	9	9	9	8	7	

Data Recovery: 2% missing; 0% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station: EC
 Latitude: 36.30° N
 Longitude: 76.25° W
 Elevation: 4 Meters AMSL
 Time Zone: -5

Instrument: NRG
 Calibration Constant: 0.76 m/s/mV
 Serial Number: 0 WSP
 Calibration Date: 6/1/1995

Station Pressure
Hourly and Daily Averages
Millibars
Elizabeth City State Univ. - February 2001

Field: Press

Hour 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	1011	1011	1011	1013	1014	1014	1015	016	1018	1018	* 1019	* 1019	1018	1018	1018	1019	1019	* 1020	* 1020	1020	1020	1020	*	*	1019	* 975	
2	1019	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014	* 1014	*	*	*	*	169
3	*	*	*	*	*	*	*	024	*	*	*	*	*	*	1023	* 1024	* 1024	1025	1026	1026	1027	1026	1026	1027	1027	470	
4	1027	1027	1026	1026	1026	1026	1026	026	1026	1027	1026	1025	1024	1023	1021	1020	1020	1020	1020	1020	1019	1018	1017	1016	1023		
5	1015	1014	1012	1011	1010	* 1010	* 1009	* 010	1011	1011	* 1011	* 1011	*	1010	* 1010	1011	1011	1012	1013	1013	1014	1015	1015	1015	970		
6	1016	1016	1017	1017	1017	1017	1018	019	1019	1020	1020	1019	1018	1017	1016	1016	1016	1016	1016	1017	1017	1018	1018	1018	1018	1017	
7	1018	1019	1019	1020	1020	1020	1021	1022	023	1024	1025	1026	1026	1025	1025	1025	1025	1025	1025	1026	1027	1027	1027	1028	1028	1024	
8	1028	1029	1029	1029	1029	1029	1030	031	1031	1032	1032	1031	1030	1029	1028	1028	1028	1028	1027	1028	1028	1027	1027	1027	1027	1029	
9	1027	1026	1026	1025	1025	1025	1025	025	1025	1025	1025	1024	1022	1021	1020	1019	1018	1018	1018	1018	1017	1017	1016	1015	1022		
10	1015	1015	1014	1013	* 1012	* 1013	1012	013	1014	1015	1015	1016	1016	1016	1015	1015	1016	1017	1018	1019	1020	1021	1022	1023	1016		
11	1024	1024	1025	1026	1027	1028	1030	031	1032	1032	1033	1032	1032	1031	1031	1032	1032	1033	1034	1034	1035	1035	1035	1035	1031		
12	1034	1034	1034	1033	1033	1034	1034	034	1034	1034	1034	1033	1033	1032	1031	1031	1031	1030	1030	1030	1030	1030	1029	1029	1032		
13	1028	1027	1027	1027	1026	1026	1027	027	* 1026	* 1027	* 1028	1028	* 1027	* 1027	* 1026	1026	1026	1026	1026	1027	1026	1027	1026	* 1026	* 1027	*	
14	*	1024	*	* 1023	* 1023	1023	* 1023	024	* 1023	* 1023	1023	* 1022	1021	1019	*	* 1017	*	*	*	* 1015	* 1016	* 1016	1016	*	*	723	
15	*	1013	* 1014	1014	1014	1015	* 1013	015	1016	1016	1016	1016	* 1014	*	*	*	*	*	*	* 1016	* 1018	* 1017	* 1018	*	*	677	
16	*	* 1019	* 1018	* 1019	* 1019	* 1018	* 1019	* 019	* 1020	1020	* 1019	* 1017	* 1017	1016	1016	1016	1014	1014	1013	1013	1013	1013	1013	1012	1012	932	
17	1013	1013	1013	1010	1012	1013	1016	017	1017	1017	1018	1019	1020	1020	1021	1021	1022	1022	1023	1024	1026	1027	1028	1028	1019		
18	1029	1029	1029	1030	1030	1031	1031	032	1033	1033	1033	1033	1032	1030	1029	1029	1029	1029	1029	1030	1030	1030	1030	1030	1030	1030	
19	1030	1030	1030	1030	1030	1030	1030	032	1032	1032	1032	1032	1031	1030	1029	1028	1027	1026	1026	1026	1025	1026	1026	1026	1029		
20	1025	1025	1025	1025	1025	1025	1025	025	1027	1028	1028	1027	1023	1021	1020	1020	1019	1019	1019	1019	1019	1019	1018	1018	1023		
21	1018	1017	1017	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1022	* 1023	1024	1024	1025	340		
22	1026	1026	1025	1025	1025	1024	1024	024	1023	1022	1022	1020	1018	1015	1016	1015	1013	1013	1013	1014	1014	1015	1015	1016	1019		
23	1016	1017	1017	1018	1019	1020	1021	022	1023	1025	1026	1026	1025	1024	1024	1023	1023	1024	1024	1025	1026	1026	1027	1027	1023		
24	1027	1028	1029	1029	1030	1031	1032	033	1034	1035	1035	1035	1034	1033	1033	1033	1032	1032	1032	1032	1032	1031	1030	1029	1032		
25	1029	1028	1027	1027	1027	1027	1027	026	1026	1026	1025	1024	1022	1021	1020	1020	1020	1020	1020	1019	1019	1020	1020	1020	1020	1023	
26	1021	1021	1021	* 1022	* 1018	* 1020	* 1021	022	* 1022	* 1021	* 1022	1022	1021	1019	1018	1018	1019	1019	1020	1021	1021	1022	1022	1022	1021		
27	1023	1023	1023	1023	1023	1023	1023	024	1024	1024	1024	1024	1023	1022	1021	1020	1020	1019	1019	1018	1018	1018	1017	1017	1021		
28	1016	1015	1014	1013	1013	1013	1014	015	1015	1016	1017	1016	1016	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1013	1014		
Avg	1022	1022	1022	1022	1022	1022	1023	1023	1024	1024	1024	1024	1024	1022	1022	1021	1022	1022	1022	1021	1022	1022	1022	1022	919		
S D	6	6	6	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	225		
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	0.25		
Min	1011	1011	1011	1010	1010	1010	1009	1010	1011	1011	1011	1011	1016	1010	1010	1011	1011	1012	1013	1013	1013	1013	1013	1012	169		
Max	1034	1034	1034	1033	1033	1034	1034	1034	1034	1034	1035	1035	1035	1034	1033	1033	1033	1032	1033	1034	1034	1035	1035	1035	1032		

Data Recovery: 16% missing; 0% failed QC -- 8064 total 5-minute measurements.

Note: Fractional values that do not appear in the hour columns are included in the calculation for daily values.

Data and Flag	Hour Column	Day Column
<value>*	20% < Missing < 100%	10% < Missing < 100%
<value>?	20% < Fail QC < 100%	10% < Fail QC < 100%
<blank>*	100% Missing	100% Missing
<blank>?	100% Fail QC	100% Fail QC

Station:	EC
Latitude:	36.30° N
Longitude:	76.25° W
Elevation:	4 Meters AMSL
Time Zone:	-5

Instrument:	VSA
Calibration Constant:	0.10 X + 800b/V
Serial Number:	493926
Calibration Date:	6/1/1995