

Weekly Statistics Report

File: met2007.dat
Path: C:\Toms\Interactive Oceanographics\Smithsonian\web\dataarchives\datfiles\2007\
Parameters: 6 shown of 8
Samples: 26056
Sample interval: 600 seconds
Time Span: 01/01/2007 01:01:24 to 06/30/2007 23:51:24 (180.96 days)

Name: Merged
Device Type: 6200
Serial No: 0135-MET
Version: 1

Week of December 31, 2006 (858 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	15.4097	.0000	31.4700	2.9806	3.9243	858	100.00
Rel.Humidity (%)	80.0208	51.0500	95.1100	3.0924	4.6083	858	100.00
Air Temp (°C)	27.0783	22.2480	30.0600	.3753	.6183	858	100.00
Rain Rate (cm/hr)	.0085	.0000	1.9812	.0167	.0933	858	100.00
Solar Rad (W/m ²)	202.5121	1.3000	885.5000	240.3348	279.4293	846	98.60
Barometer (mBar)	1012.9797	1008.7100	1016.9500	1.6159	1.9109	858	100.00

Week of January 07, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	15.6413	.0000	28.9300	4.9601	6.0214	1008	100.00
Rel.Humidity (%)	83.0867	64.3700	100.0000	5.3978	6.4966	1008	100.00
Air Temp (°C)	25.4316	21.2730	28.8760	1.5039	1.6775	1008	100.00
Rain Rate (cm/hr)	.0343	.0000	4.5720	.0642	.2335	1008	100.00
Solar Rad (W/m ²)	139.3325	1.3000	985.5000	170.3353	221.7430	1008	100.00
Barometer (mBar)	1015.7323	1011.4300	1019.6200	1.4924	1.8316	1008	100.00

Week of January 14, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.4807	.0000	26.3000	4.0258	5.0290	1008	100.00
Rel.Humidity (%)	78.7727	56.4300	99.3700	5.6939	7.4386	1008	100.00
Air Temp (°C)	26.1389	22.0990	27.9660	1.0328	1.2619	1008	100.00
Rain Rate (cm/hr)	.0302	.0000	3.0480	.0577	.2083	1008	100.00
Solar Rad (W/m ²)	143.9729	2.6000	956.9000	177.6136	233.5789	1008	100.00
Barometer (mBar)	1015.7252	1011.0900	1020.6200	1.8423	2.1641	1008	100.00

Week of January 21, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.6836	.0000	28.2000	3.3772	4.4533	1008	100.00
Rel.Humidity (%)	80.1731	63.3900	99.4500	4.6170	6.1647	1008	100.00
Air Temp (°C)	26.0284	21.9680	30.9060	1.3452	1.6098	1008	100.00
Rain Rate (cm/hr)	.0172	.0000	2.4384	.0329	.1134	1008	100.00
Solar Rad (W/m ²)	173.3346	3.2000	1007.5000	209.2588	259.0702	1008	100.00
Barometer (mBar)	1013.0011	1009.1500	1018.1800	1.7622	2.1254	1008	100.00

Week of January 28, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.5885	.0000	29.1900	4.6664	5.7867	1008	100.00
Rel.Humidity (%)	83.7318	65.3200	98.8800	5.4589	6.5891	1008	100.00
Air Temp (°C)	25.5516	20.7100	28.6180	1.4988	1.8452	1008	100.00
Rain Rate (cm/hr)	.0175	.0000	1.9812	.0338	.1302	1008	100.00
Solar Rad (W/m ²)	204.2467	3.6000	1011.3000	245.0158	291.9008	1008	100.00
Barometer (mBar)	1013.2515	1005.8400	1020.4600	3.1152	3.6787	1008	100.00

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Week of February 04, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	11.0486	.0000	23.4500	3.3100	4.1154	1008	100.00
Rel.Humidity (%)	77.9522	67.2100	91.0000	3.4179	4.2554	1008	100.00
Air Temp (°C)	26.5562	23.4610	27.9750	.5394	.7492	1008	100.00
Rain Rate (cm/hr)	.0024	.0000	1.5240	.0048	.0503	1008	100.00
Solar Rad (W/m^2)	195.2892	4.0000	1171.1000	232.4127	285.6118	1008	100.00
Barometer (mBar)	1015.6739	1012.3100	1019.9400	1.2964	1.5857	1008	100.00

Week of February 11, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	10.0314	.0000	31.5500	5.9556	7.2876	1008	100.00
Rel.Humidity (%)	78.4482	62.0200	91.9200	4.6827	5.6102	1008	100.00
Air Temp (°C)	26.1271	20.6040	30.4250	1.2636	1.7747	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m^2)	226.8378	4.1000	956.0000	263.9249	308.2309	1008	100.00
Barometer (mBar)	1013.2881	1007.8900	1019.9600	2.4445	2.9491	1008	100.00

Week of February 18, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	14.8000	1.7400	33.8900	3.9210	5.1968	1008	100.00
Rel.Humidity (%)	71.4197	49.3200	100.0000	7.5253	9.4671	1008	100.00
Air Temp (°C)	25.2317	18.7180	28.0980	1.6688	2.0945	1008	100.00
Rain Rate (cm/hr)	.0023	.0000	.7620	.0045	.0321	1008	100.00
Solar Rad (W/m^2)	251.9468	4.1000	1126.9000	291.2889	333.6392	1008	100.00
Barometer (mBar)	1016.2063	1009.1800	1026.4100	3.5606	4.2130	1008	100.00

Week of February 25, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	10.9793	.0000	21.5100	4.4230	5.1075	1008	100.00
Rel.Humidity (%)	81.7850	60.2900	93.4200	4.2282	5.4618	1008	100.00
Air Temp (°C)	27.3921	25.0670	31.2060	.6329	.8430	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m^2)	273.3139	4.1000	1089.8000	313.5218	351.5600	1008	100.00
Barometer (mBar)	1008.2516	1003.7200	1012.5000	1.5925	1.9676	1008	100.00

Week of March 04, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	13.8427	.0000	35.1300	6.6216	8.1127	1008	100.00
Rel.Humidity (%)	76.9371	61.0700	100.0000	5.3249	6.6209	1008	100.00
Air Temp (°C)	24.8995	20.3920	29.9770	1.7492	1.9924	1008	100.00
Rain Rate (cm/hr)	.0042	.0000	.4572	.0083	.0301	1008	100.00
Solar Rad (W/m^2)	172.0214	4.1000	1146.5000	207.9924	270.9570	1008	100.00
Barometer (mBar)	1016.4108	1011.6700	1023.1600	2.5225	2.9309	1008	100.00

Week of March 11, 2007 (1007 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	13.5940	1.5200	30.5900	4.1654	5.3009	1007	100.00
Rel.Humidity (%)	76.8525	62.7100	88.4800	3.7428	4.7880	1007	100.00
Air Temp (°C)	26.6905	24.2160	29.2950	.5198	.7607	1007	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1007	100.00
Solar Rad (W/m^2)	271.6502	4.1000	1118.9000	309.0821	351.1823	1007	100.00
Barometer (mBar)	1013.9726	1008.1000	1018.6800	1.9675	2.3930	1007	100.00

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Week of March 18, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	13.2961	1.2200	27.3800	4.0201	4.9967	1008	100.00
Rel.Humidity (%)	66.9473	40.1000	99.6600	8.5620	11.8852	1008	100.00
Air Temp (°C)	25.8623	20.7160	27.6010	.9873	1.2784	1008	100.00
Rain Rate (cm/hr)	.0242	.0000	5.0292	.0462	.2147	1008	100.00
Solar Rad (W/m ²)	221.0852	4.1000	1114.6000	268.9011	329.1929	1008	100.00
Barometer (mBar)	1015.7211	1011.9400	1019.6300	1.5236	1.8433	1008	100.00

Week of March 25, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	14.5085	.0600	27.4900	3.8851	4.6868	1008	100.00
Rel.Humidity (%)	69.2302	50.8900	97.0500	5.5613	7.5799	1008	100.00
Air Temp (°C)	26.5987	23.0490	28.6480	.5273	.6757	1008	100.00
Rain Rate (cm/hr)	.0032	.0000	.7620	.0063	.0328	1008	100.00
Solar Rad (W/m ²)	245.7940	4.0000	1310.7001	281.7430	336.9099	1008	100.00
Barometer (mBar)	1012.8795	1009.1000	1017.0700	1.4083	1.7166	1008	100.00

Week of April 01, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	13.1443	.0000	25.4600	4.9322	5.8472	1008	100.00
Rel.Humidity (%)	70.8114	46.2300	100.0000	6.1718	8.7353	1008	100.00
Air Temp (°C)	26.5563	21.4080	30.7120	.9118	1.3251	1008	100.00
Rain Rate (cm/hr)	.0274	.0000	2.2860	.0530	.1933	1008	100.00
Solar Rad (W/m ²)	258.7149	4.0000	1164.7001	299.0162	347.5348	1008	100.00
Barometer (mBar)	1012.6778	1008.8200	1017.3000	1.3248	1.6757	1008	100.00

Week of April 08, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	10.2994	.0000	23.2000	3.7920	4.5814	1008	100.00
Rel.Humidity (%)	77.9982	52.1100	94.2700	8.7272	10.0165	1008	100.00
Air Temp (°C)	27.8375	25.8490	30.4950	.7954	1.0021	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m ²)	290.2228	4.1000	1143.1000	327.0625	365.7725	1008	100.00
Barometer (mBar)	1009.6323	1002.9300	1016.4600	2.7094	3.3417	1008	100.00

Week of April 15, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	10.3501	.0000	29.1000	4.6413	5.7408	1008	100.00
Rel.Humidity (%)	65.6470	41.0400	89.5500	9.5926	11.1828	1008	100.00
Air Temp (°C)	27.0126	22.5500	31.5420	1.2619	1.6622	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m ²)	267.4483	4.2000	1097.6000	297.4300	342.6659	1008	100.00
Barometer (mBar)	1011.5300	1005.5800	1020.2300	2.8211	3.4500	1008	100.00

Week of April 22, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.8677	.0000	26.2100	4.1793	5.0433	1008	100.00
Rel.Humidity (%)	66.2860	39.7300	86.1800	8.8825	10.4075	1008	100.00
Air Temp (°C)	27.7698	26.2250	32.1030	.5445	.7551	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m ²)	290.0842	4.2000	1201.0000	326.0184	368.6051	1008	100.00
Barometer (mBar)	1012.4994	1007.6900	1016.5000	1.8086	2.1682	1008	100.00

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Week of April 29, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	14.5642	5.8300	26.0400	2.9665	3.6656	1008	100.00
Rel.Humidity (%)	73.9071	60.7600	87.0500	3.6853	4.7170	1008	100.00
Air Temp (°C)	28.0254	26.7530	28.9190	.3314	.4254	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m^2)	295.8827	3.8000	1209.4000	330.9512	373.5182	1008	100.00
Barometer (mBar)	1010.7615	1006.6800	1016.1600	2.1578	2.5583	1008	100.00

Week of May 06, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	11.3767	.0000	23.6600	4.1319	4.8943	1008	100.00
Rel.Humidity (%)	67.0651	53.9400	83.0900	4.7212	5.7574	1008	100.00
Air Temp (°C)	28.0407	27.0860	30.2450	.4074	.5146	1008	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	1008	100.00
Solar Rad (W/m^2)	298.0053	2.3000	1077.1000	330.0226	368.6478	1008	100.00
Barometer (mBar)	1010.4262	1007.4500	1013.3200	1.0212	1.2701	1008	100.00

Week of May 13, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	7.5685	.0000	22.5500	3.1608	3.9922	1008	100.00
Rel.Humidity (%)	67.9431	43.6200	100.0000	5.3752	7.3209	1008	100.00
Air Temp (°C)	27.8059	21.3870	32.8330	.6254	.9538	1008	100.00
Rain Rate (cm/hr)	.0159	.0000	3.9624	.0314	.1948	1008	100.00
Solar Rad (W/m^2)	243.7702	.0000	1117.6000	269.7948	320.9151	1008	100.00
Barometer (mBar)	1012.4114	1009.7100	1014.9800	1.0116	1.2258	1008	100.00

Week of May 20, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	8.2990	.0000	19.4900	2.9140	3.5783	1008	100.00
Rel.Humidity (%)	63.0130	40.0000	97.7200	5.0381	6.5039	1008	100.00
Air Temp (°C)	28.5263	23.6620	32.0060	.6382	.8605	1008	100.00
Rain Rate (cm/hr)	.0038	.0000	2.8956	.0075	.0934	1008	100.00
Solar Rad (W/m^2)	267.5704	.9000	1091.0000	295.8019	342.2920	1008	100.00
Barometer (mBar)	1010.9610	1007.8300	1015.2600	1.0865	1.3830	1008	100.00

Week of May 27, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	6.8973	.0000	27.3700	3.1068	4.0277	1008	100.00
Rel.Humidity (%)	68.0154	43.2000	99.9000	8.1007	10.7939	1008	100.00
Air Temp (°C)	28.6913	24.4610	31.8280	.9933	1.2981	1008	100.00
Rain Rate (cm/hr)	.0274	.0000	5.3340	.0532	.2729	1008	100.00
Solar Rad (W/m^2)	227.6488	2.0000	1350.6000	267.3990	326.4675	1008	100.00
Barometer (mBar)	1008.5345	1004.0700	1011.9200	1.3948	1.6979	1008	100.00

Week of June 03, 2007 (1007 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	14.8577	.4500	32.3900	5.6048	6.8628	1007	100.00
Rel.Humidity (%)	69.9856	51.4100	99.8800	5.3145	6.9526	1007	100.00
Air Temp (°C)	29.3505	23.0510	32.5140	.5211	.9058	1007	100.00
Rain Rate (cm/hr)	.0097	.0000	3.5052	.0192	.1402	1007	100.00
Solar Rad (W/m^2)	284.4272	.1000	1085.9000	303.6937	341.3784	924	91.76
Barometer (mBar)	1009.7170	1006.6100	1012.5300	1.0314	1.2671	1007	100.00

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Week of June 10, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	8.3146	.0000	22.8700	3.3206	4.0633	1008	100.00
Rel.Humidity (%)	73.5532	54.1500	99.9500	8.3526	10.6895	1008	100.00
Air Temp (°C)	27.6963	23.1840	31.0730	1.0961	1.3969	1008	100.00
Rain Rate (cm/hr)	.0485	.0000	5.6388	.0906	.3423	1008	100.00
Solar Rad (W/m^2)	233.9305	.3000	1105.5000	259.7403	315.8524	902	89.48
Barometer (mBar)	1009.0380	1005.3500	1011.6100	1.1353	1.3955	1008	100.00

Week of June 17, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	17.8285	5.3700	33.4800	4.4660	5.1652	1008	100.00
Rel.Humidity (%)	67.3634	50.1900	86.9500	3.7258	4.9118	1008	100.00
Air Temp (°C)	28.9374	26.5930	29.8980	.3681	.4799	1008	100.00
Rain Rate (cm/hr)	.0002	.0000	.1524	.0003	.0048	1008	100.00
Solar Rad (W/m^2)	329.9331	.0000	1175.3000	320.4383	355.6475	831	82.44
Barometer (mBar)	1011.5555	1008.5300	1013.9800	1.0179	1.2465	1008	100.00

Week of June 24, 2007 (1008 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	16.8387	.0000	36.6100	5.4899	6.8702	1008	100.00
Rel.Humidity (%)	68.6312	51.7600	100.0000	4.3890	6.4846	1008	100.00
Air Temp (°C)	28.6902	24.2940	30.6520	.6129	.9383	1008	100.00
Rain Rate (cm/hr)	.0032	.0000	.4572	.0062	.0274	1008	100.00
Solar Rad (W/m^2)	301.1714	.0000	1064.7000	300.5152	339.4861	861	85.42
Barometer (mBar)	1012.2434	1008.2600	1015.5700	1.1930	1.4880	1008	100.00