

Monthly Statistics Report

File: met2006.qaf
Path: C:\Toms\Interactive Oceanographics\Smithsonian\web\dataarchives\DatFiles\2006\
Parameters: 6 shown of 8
Samples: 42000
Sample interval: 600 seconds
Time Span: 01/01/2006 01:01:24 to 01/01/2007 00:51:24 (365.00 days)

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

January, 2006 (4458 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.8734	.1500	38.7800	4.6394	5.8112	4458	100.00
Rel.Humidity (%)	78.0134	44.6200	98.8400	7.3708	9.9479	4458	100.00
Air Temp (°C)	24.7868	18.1760	28.9770	1.5585	1.8910	4458	100.00
Rain Rate (cm/hr)	.0312	.0000	6.7056	.0593	.2630	4458	100.00
Solar Rad (W/m ²)	151.1846	2.4000	992.1000	186.9540	239.4812	4458	100.00
Barometer (mBar)	1013.6355	1007.0200	1023.5000	2.5241	3.1087	4458	100.00

February, 2006 (4032 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	14.3180	.0000	35.1900	5.0356	6.3241	4032	100.00
Rel.Humidity (%)	74.8682	46.9000	98.6200	6.2389	8.2136	4032	100.00
Air Temp (°C)	24.8636	18.3500	30.8920	1.5415	1.9474	4032	100.00
Rain Rate (cm/hr)	.0064	.0000	4.5720	.0126	.1124	4032	100.00
Solar Rad (W/m ²)	200.4639	1.7000	1317.6000	242.2310	295.0872	4032	100.00
Barometer (mBar)	1014.1676	1002.9200	1027.1700	3.0398	4.1440	4032	100.00

March, 2006 (4464 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	14.5794	.0000	35.1800	3.8230	5.0385	4464	100.00
Rel.Humidity (%)	74.5990	52.2900	98.5100	5.5555	6.9579	4464	100.00
Air Temp (°C)	26.2181	21.2100	30.3560	.6687	.9751	4464	100.00
Rain Rate (cm/hr)	.0051	.0000	4.4196	.0101	.1080	4464	100.00
Solar Rad (W/m ²)	258.3271	.3000	1177.2000	299.2296	341.5844	4464	100.00
Barometer (mBar)	1013.1288	1005.2700	1019.5800	2.7294	3.2719	4464	100.00

April, 2006 (4319 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.7415	.0000	27.2000	4.2424	5.0640	4319	100.00
Rel.Humidity (%)	71.3182	46.0100	94.0600	5.6846	7.2337	4319	100.00
Air Temp (°C)	27.1026	20.6230	30.2760	.7798	1.0410	4319	100.00
Rain Rate (cm/hr)	.0072	.0000	4.2672	.0142	.1363	4319	100.00
Solar Rad (W/m ²)	293.1809	2.0000	1199.6000	318.2570	356.9909	4058	93.96
Barometer (mBar)	1011.0140	1004.1900	1016.8400	2.1784	2.6503	4319	100.00

May, 2006 (4465 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	13.4282	.0000	36.2300	3.5178	4.3560	4465	100.00
Rel.Humidity (%)	72.7385	49.8400	94.0600	5.1187	6.6249	4465	100.00
Air Temp (°C)	27.7804	22.1560	31.5640	.6989	1.0160	4465	100.00
Rain Rate (cm/hr)	.0184	.0000	9.1440	.0356	.2222	4465	100.00
Solar Rad (W/m ²)	247.8015	1.5000	1196.9000	283.2824	329.8942	4465	100.00
Barometer (mBar)	1010.5744	1005.9700	1015.4100	1.4929	1.8678	4465	100.00

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June, 2006 (3646 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	10.6900	.0000	37.1000	4.6941	5.6889	3646	100.00
Rel.Humidity (%)	79.9676	60.7500	99.3700	4.5702	6.3734	3646	100.00
Air Temp (°C)	27.8215	22.3230	31.2770	1.1396	1.4816	3646	100.00
Rain Rate (cm/hr)	.0391	.0000	4.7244	.0732	.2611	3646	100.00
Solar Rad (W/m ²)	243.7188	.0000	1191.1000	263.8346	312.6005	3360	92.16
Barometer (mBar)	1010.2296	1004.8800	1015.4100	1.6191	1.9527	3646	100.00

August, 2006 (3402 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	13.1233	.0000	32.8300	4.2198	5.1485	3402	100.00
Rel.Humidity (%)	68.6645	51.2200	91.6200	3.1415	4.2353	3402	100.00
Air Temp (°C)	29.0881	24.0620	32.6840	.4877	.7452	3402	100.00
Rain Rate (cm/hr)	.0101	.0000	4.5720	.0200	.1313	3402	100.00
Solar Rad (W/m ²)	274.8033	3.0000	1201.0000	300.7282	346.0861	3402	100.00
Barometer (mBar)	1011.1778	1007.2500	1014.3400	1.2031	1.4607	3402	100.00

September, 2006 (4320 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	11.8463	.0000	32.9400	4.3891	5.2662	4320	100.00
Rel.Humidity (%)	69.3411	52.5100	92.4100	4.1415	5.9762	4320	100.00
Air Temp (°C)	28.8225	22.9070	32.9390	.9328	1.3241	4320	100.00
Rain Rate (cm/hr)	.0267	.0000	9.9060	.0518	.3287	4320	100.00
Solar Rad (W/m ²)	266.7786	3.0000	1265.8000	283.5508	331.9339	4320	100.00
Barometer (mBar)	1010.9404	1006.9000	1014.7100	1.2341	1.5283	4320	100.00

October, 2006 (4425 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	10.7498	.0000	28.6000	3.9831	4.8373	4425	100.00
Rel.Humidity (%)	73.5498	52.1900	92.8100	5.6843	7.4653	4425	100.00
Air Temp (°C)	27.9867	23.0000	32.3240	1.3852	1.6480	4425	100.00
Rain Rate (cm/hr)	.0486	.0000	7.7724	.0913	.3530	4425	100.00
Solar Rad (W/m ²)	175.9804	3.0000	1300.1000	215.8612	272.2469	4425	100.00
Barometer (mBar)	1010.0699	1004.0900	1017.6700	1.9768	2.4503	4425	100.00

November, 2006 (6 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	3.2467	2.6800	4.5800	.4689	.6978	6	100.00
Rel.Humidity (%)	78.2783	77.7400	78.5600	.2156	.2978	6	100.00
Air Temp (°C)	26.8658	26.7960	26.9390	.0425	.0554	6	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	6	100.00
Solar Rad (W/m ²)	3.1000	3.1000	3.1000	.0000	.0000	6	100.00
Barometer (mBar)	1009.2917	1009.2000	1009.4200	.0750	.0898	6	100.00

December, 2006 (4457 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	12.0183	.0000	40.7000	5.8172	7.0977	4457	100.00
Rel.Humidity (%)	82.5554	48.2700	100.0000	6.6054	8.9412	4457	100.00
Air Temp (°C)	25.4701	20.1790	31.0040	1.4996	1.7977	4457	100.00
Rain Rate (cm/hr)	.0452	.0000	8.9916	.0855	.3431	4457	100.00
Solar Rad (W/m ²)	154.2199	3.0000	1022.3000	186.6818	236.7810	4457	100.00
Barometer (mBar)	1014.8283	1009.1500	1023.8600	2.0522	2.5753	4457	100.00

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January, 2007 (6 samples)							
Merged	Mean	Minimum	Maximum	Avg Deviation	Std Deviation	Valid Samples	%
Wind Speed (mph)	16.7283	15.7400	17.7400	.6283	.7678	6	100.00
Rel.Humidity (%)	82.4933	81.4900	82.8900	.3756	.5301	6	100.00
Air Temp (°C)	27.0477	26.9980	27.0800	.0241	.0305	6	100.00
Rain Rate (cm/hr)	.0000	.0000	.0000	.0000	.0000	6	100.00
Solar Rad (W/m ²)	3.6333	3.4000	4.2000	.2111	.3011	6	100.00
Barometer (mBar)	1013.6333	1013.5800	1013.6700	.0300	.0361	6	100.00