

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

Monthly Statistics Report

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

Monthly Statistics Report

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