

Weather Summary for V. C. Bird International Airport, Coolidge, Antigua April 2010

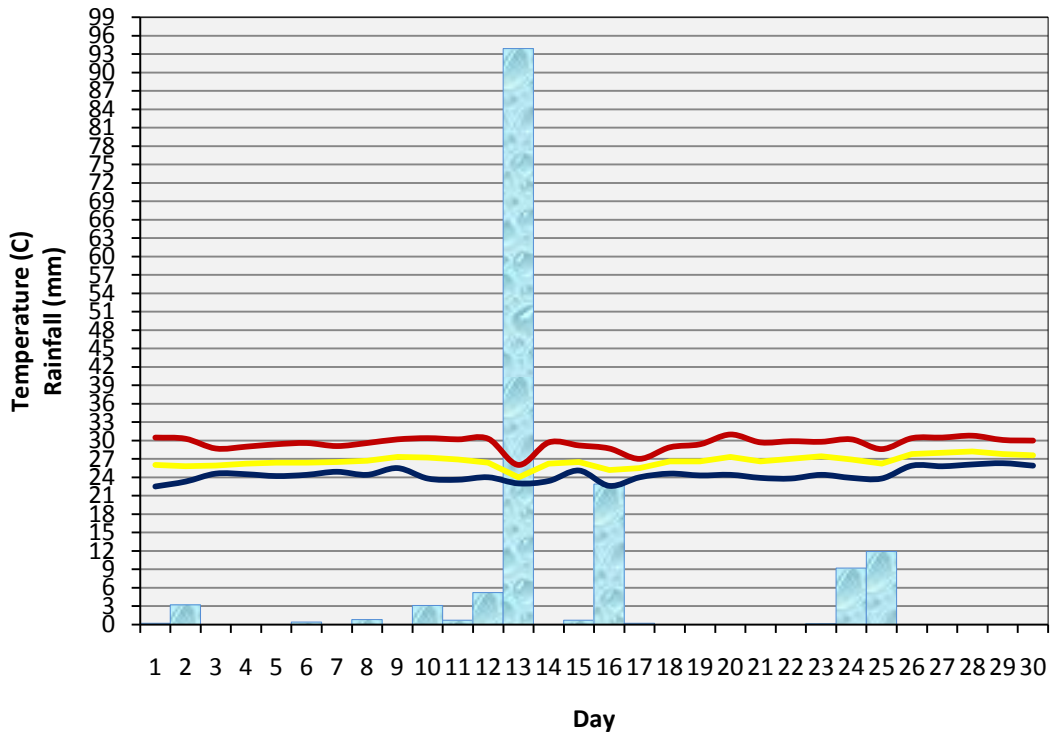
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Coolidge experienced the fourth highest rainfall ever for the month of April. The well above normal rainfall total of 6.00 inches was also the highest total for the month since 1992. The normal rainfall total for April is 2.72 inches (1971 – 2000). The rainfall total for this month was 221% of the normal total. Although the rainfall was well above normal, the number of rainy days, 7, was near normal. Most of the rain fell in a few days with the maximum 1-day rainfall of 93.9 mm or 3.70 inches occurring on April 13 and accounting for 62% of the rainfall for the month. The rains on April 13 were due to a surface to low level trough; otherwise, cold fronts were mainly responsible for the rest of the rainfall.

The mean temperature of 26.6°C was above normal, the highest since 2005 and the fifth highest on record for April. The normal temperature for the month is 26.1°C (1971 – 2000). The maximum temperature of 31.0°C was near normal and the second lowest since 2003. Meanwhile, the minimum temperature of 22.5°C was well above normal, the highest since 1980 and the second highest on record for the month.

The mean wind speed of 8.7 knots was well below normal and the second lowest since 1999 for the month (1971 – 2010). The mean wind speed for April is 11.8 knots (1971 – 2000).

Graph 1: April 2010 Met Elements at V. C. Bird Int'l Airport, Coolidge



SUMMARY FOR V.C. BIRD INT'L AIRPORT, COOLIDGE – APRIL 2010					
ELEMENT	OBSERVED VALUE	DATE	RECORD VALUE	YEAR	NORMAL AVG
<u>TEMPERATURE</u>					
ABSOLUTE MAXIMUM	31.0°C	APR 20	32.7°C	1998	30.7°C
MEAN DAILY MAXIMUM	29.6°C		30.9°C	1987	29.3°C
MEAN DAILY	26.6°C				26.1°C
MEAN DAILY MINIMUM	24.4°C		22.1°C	1990	23.2°C
ABSOLUTE MINIMUM	22.5°C	APR 1	17.9°C	1990	20.2°C
WARMEST DAY(S)	28.2°C	APR 28			27.3°C
COOLEST DAY(S)	24.0°C	APR 13			24.8°C
DAYS MAX \geq 31°C	1				
DAYS MIN \leq 22°C	0				
MONTHLY RANGE	8.5°C		12.7	2007	10.3°C
<u>RAINFALL</u>					
TOTAL	152.5 MM		243.4 MM	1981	78.0 MM
RAINIEST DAY ¹	93.9 MM	APR 13	91.7 MM	1990	30.2 MM
MEASURABLE RAINFALL DAYS	14				11.1
DAYS \geq 1.0 MM	7				7.4
DAYS \geq 10.0 MM	3				1.5
DAYS \geq 20.0 MM	2				0.9
<u>HUMIDITY</u>					
MOST HUMID DAY(S)	92.6%	APR 13			84.4%
MAXIMUM	95%	APR 13			
MEAN	74.5%				74.2%
MINIMUM	43%	APR 5			
LEAST HUMID DAY(S)	57.9%	APR 5			64.5%

<u>WIND</u>					
MAX SPEED & DIRECTION	19 KT, E'N	APR 8, 15Z			
MAX GUST & DIRECTION	26 KT, NE	APR 8, MANY			
MEAN	8.7 KT				11.8 KT
PREVAILING SPEED & DIRECTION	11.1 KT NE'E				
<u>PRESSURE</u>					
MAXIMUM	1018.1 MB	APR 28			
MEAN	1014.0 MB				1015.3 MB
MINIMUM	1010.5 MB	APR 14			
<p>Table 2: Summary for V. C. Bird International Airport, Coolidge – April 2010. The climatological day: 12Z to 12Z or 8 AM to 8 AM LST. ¹Measured at 12:00 UTC daily. Normal – 1971 to 2000; AVG – 1995 to 2008. Records: temperature and rainiest – 1971 to 2010; Rainfall total 1928 – 2010.</p>					

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