

**Colorado State University, Fort  
Collins, CO Weather Station  
Monthly Summary Report**



**Month: April**  
**Year: 2010**  
**Report created by:**  
**Wendy Ryan**

**Temperature:**

Mean  $T_{\max}$  was 61.6 which is 0.3 degrees above normal for the month. This ranks as the 57<sup>th</sup> warmest in the 122 year record (1889-2010) tied with 1902 and 1994.

Mean  $T_{\min}$  was 36.3 which is 2.3 degrees above the normal for the month. This ranks as the 17<sup>th</sup> warmest in the 122 year record (1889-2010) tied with 1978.

Mean  $T_{\text{mean}}$  was 49.0 which is 1.3 degrees above the normal for the month. This ranks as the 29<sup>th</sup> warmest in the 122 year record (1889-2010) tied with 1967 and 1986.

The maximum daily temperature was 76.0 and occurred on 28 April 2010.  
The minimum daily temperature was 25.0 and occurred on 3 April 2010.

**Misc. Temperature (record status, days above/below  
thresholds):**

None.

### **Precipitation and Snowfall\*:**

The total monthly precipitation was 3.15” and was 1.06” above normal (151% of normal). This ranks as the 19<sup>th</sup> wettest April in the 122 year record (1889-2010). The last time we experienced an April this wet was 2009 with 4.44”.

Water year 2010 precipitation is 9.47” and is 2.87” above normal (143% of normal). This ranks as the 8<sup>th</sup> wettest water year (Oct-Apr) in the 122 year record. The top ten water year precipitation years are listed below:

| <b>Year</b> | <b>Water Year Precipitation (in)</b> |
|-------------|--------------------------------------|
| 1900        | 16.71                                |
| 1999        | 13.78                                |
| 2003        | 11.67                                |
| 1980        | 11.56                                |
| 1926        | 10.7                                 |
| 1943        | 10.05                                |
| 1914        | 9.99                                 |
| 2010        | 9.47                                 |
| 1906        | 9.45                                 |
| 1905        | 9.2                                  |

The total monthly snowfall was 1.9” which is 5.2” below normal (27% of normal). This ranks as the 39<sup>th</sup> least snowiest April in the 122 year record. The last time we received this little snowfall in April was 2008 with 2.0”, April 2007 had only 0.2” of snowfall.

2010 seasonal snowfall is 84.6” which is 27.4” above normal (148% of normal). This ranks as the 3<sup>rd</sup> snowiest season (Sept-Apr) in the 122 year record. The top 5 snow seasons are listed below:

| <b>Year</b> | <b>Seasonal Snowfall (in)</b> |
|-------------|-------------------------------|
| 1980        | 114                           |
| 1988        | 89.4                          |
| 2010        | 84.6                          |
| 1984        | 83.5                          |
| 1909        | 79.9                          |

*\* Note: Starting with December 2009 these reports will use the 1971-2000 average snowfall, previous months have used period of record snowfall normals*

**Misc. Precipitation (predominant type, record status, etc.):**

None.

**Wind:**

In April 2010 there were 18 days with maximum wind gusts  $\geq 20$  mph with 3 days  $\geq 30$  mph.

The maximum daily wind gust for the month was 32 miles per hour and occurred on 13 Apr 2010 at 14:40 MST from  $260^\circ$  and on 24 Apr 2010 at 5:10 MST from  $310^\circ$ .

**Evaporation**

Total class A pan evaporation for April 2010 was 3.96" compared to April normal\*\* evaporation of 4.72" which is 0.76" below the normal (84% of normal).

\*\* Normal evaporation is average monthly evaporation calculated for Class A pan only (1974-2008). Prior to 1974 a sunken pan was used.