

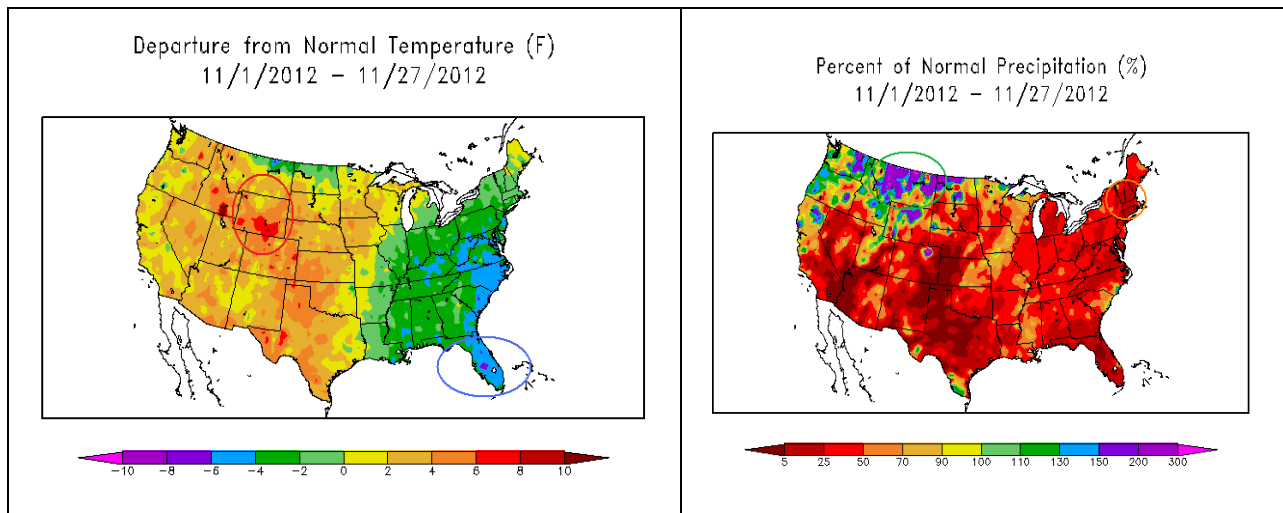
# The Pennsylvania Observer



## LONG RANGE OUTLOOK

By: Paul Knight and Kyle Imhoff

The anomalies during November have been remarkable, especially in light of how relatively tranquil the weather has been.



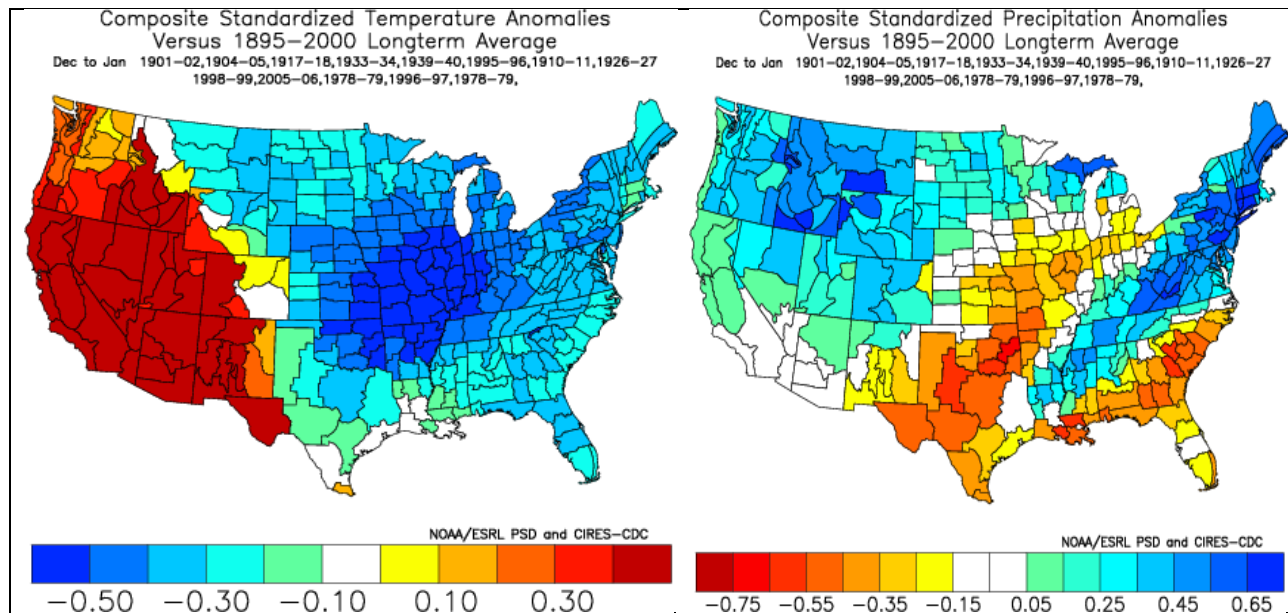
The chill in Florida and warmth in Wyoming along with the dryness in New Hampshire and the moist weather in Montana are the basis of this analog forecast.

|          | 1901 | 59   | WY-<br>Warm | 1899 | 35.5 | NH -<br>Dry | 1899 | 2.32 | MT-<br>moist | 1896 | 2.26 |
|----------|------|------|-------------|------|------|-------------|------|------|--------------|------|------|
| FL-Chill | 1903 | 62.4 |             | 1901 | 35.9 |             | 1901 | 1.95 |              | 1897 | 2.25 |
|          | 1904 | 62   |             | 1904 | 35.7 |             | 1902 | 1.27 |              | 1902 | 1.12 |
|          | 1910 | 60.9 |             | 1914 | 34.7 |             | 1903 | 1.64 |              | 1906 | 1.34 |
|          | 1912 | 62.4 |             | 1917 | 36.7 |             | 1904 | 1.51 |              | 1909 | 1.81 |
|          | 1917 | 60   |             | 1927 | 33.9 |             | 1905 | 2.56 |              | 1910 | 1.54 |
|          | 1923 | 61.6 |             | 1932 | 33.5 |             | 1906 | 2.71 |              | 1921 | 1.47 |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 1926 | 62.2 | 1933 | 34.5 | 1908 | 1.27 | 1926 | 1.37 |
| 1932 | 62   | 1934 | 34.3 | 1909 | 2.64 | 1927 | 2.13 |
| 1933 | 62.7 | 1939 | 34.2 | 1913 | 2.29 | 1941 | 1.13 |
| 1937 | 62.1 | 1949 | 39.4 | 1917 | 0.83 | 1942 | 1.33 |
| 1939 | 62.3 | 1953 | 35.6 | 1922 | 1.56 | 1946 | 1.1  |
| 1943 | 62.8 | 1954 | 36.5 | 1928 | 2.79 | 1955 | 1.33 |
| 1949 | 61.7 | 1962 | 35.2 | 1929 | 2.81 | 1958 | 1.7  |
| 1950 | 61.4 | 1963 | 34   | 1931 | 1.35 | 1959 | 1.46 |
| 1951 | 62.3 | 1965 | 35.4 | 1933 | 1.81 | 1966 | 1.15 |
| 1954 | 62.1 | 1981 | 34.9 | 1936 | 2.15 | 1973 | 1.38 |
| 1956 | 62.4 | 1990 | 33.6 | 1939 | 0.68 | 1978 | 1.34 |
| 1962 | 61   | 1995 | 34   | 1946 | 2.09 | 1985 | 1.12 |
| 1968 | 61.1 | 1998 | 33.7 | 1952 | 2.02 | 1986 | 1.2  |
| 1969 | 61.6 | 1999 | 38.8 | 1976 | 1.61 | 1989 | 1.16 |
| 1970 | 60.3 | 2001 | 34.2 | 1978 | 1.91 | 1995 | 1.22 |
| 1976 | 60.4 | 2005 | 33.6 | 1981 | 2.72 | 1996 | 1.39 |
| 1991 | 62.7 | 2007 | 33.6 | 1987 | 2.48 | 1998 | 1.24 |
| 1995 | 63   | 2008 | 36.4 | 1996 | 2.47 | 2005 | 1.21 |
| 2008 | 61.4 | 2009 | 34.4 | 2001 | 2.02 | 2010 | 1.43 |

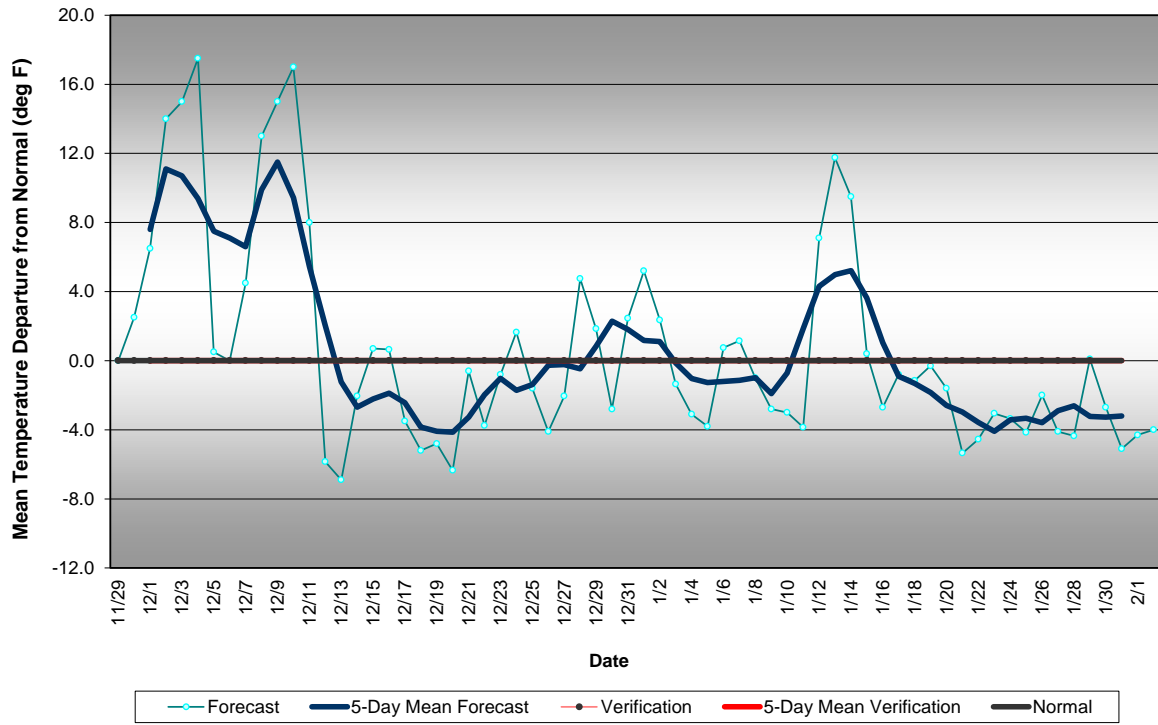
The years highlighted in yellow are common to three of anomalies, while those in orange are common to two anomalies with the Montana moist being the basis.

The composite December-January U.S. Temp and Precip maps are below:

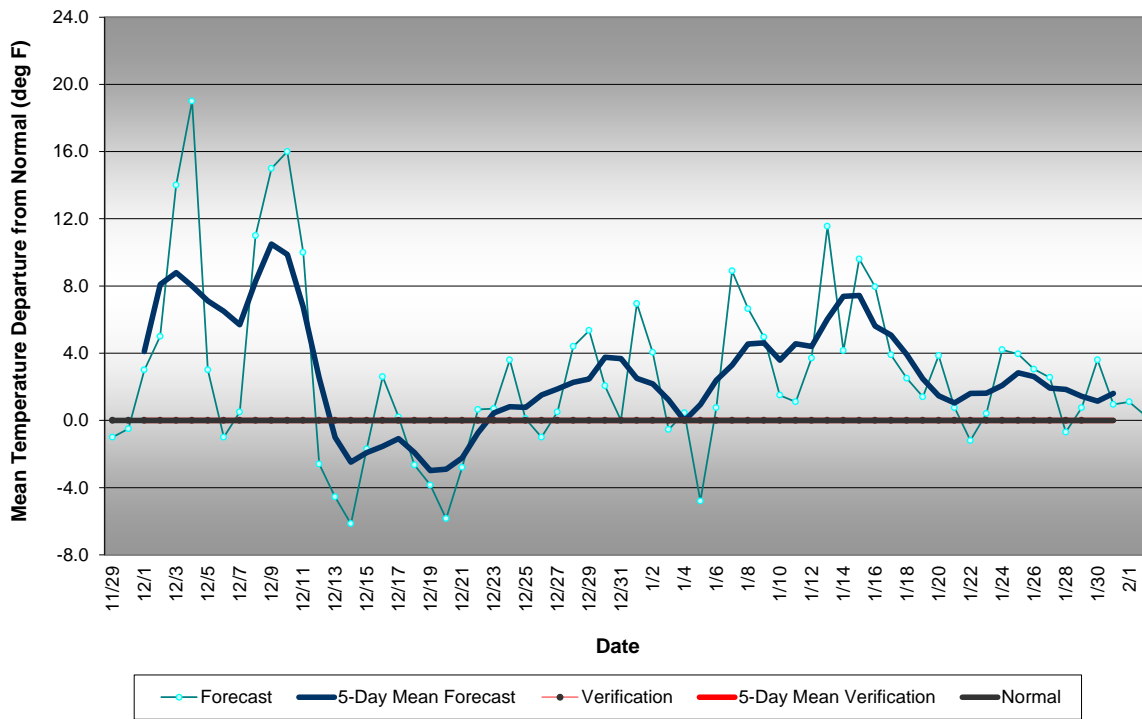


The following analogs show a remarkably wintry pattern expected for the eastern two-thirds of the country for December and January with below normal temperatures and above average precipitation in the Northeast, including Pennsylvania.

Western Pennsylvania Temperature Forecast  
December 2012 - January 2013



### Central Pennsylvania Temperature Forecast December 2012 - January 2013



**Eastern Pennsylvania Temperature Forecast  
December 2012 - January 2013**

