The Pennsylvania Observer
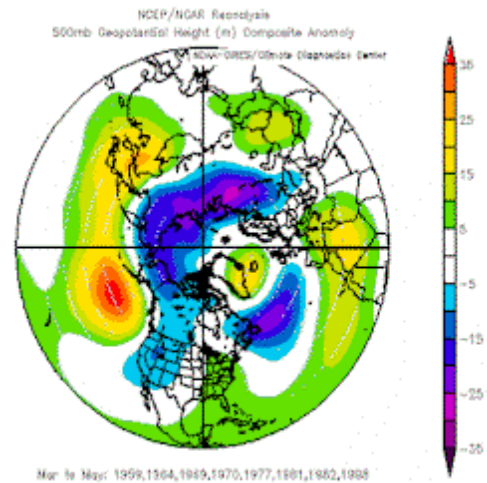
April Climate Highlight:

Prepared by: Krista Gibbons

April's Climate Highlight predicts the temperature anomalies of May and June in Pennsylvania by using years that had similar trends to the temperature anomalies of March and April.

In order to find the analog years, the twenty years most similar to this past March and April were chosen (10 cooler, 10 warmer).

March Years:	April Years:
1901	1925
1917	1929
1920	1933
1923	1938
1928	1948
1930	1952
1939	1957
1943	1959
1951	1968
1952	1969
1954	1976
1957	1977
1959	1981
1967	1991
1988	1994
1989	1998
2003	2002
2006	2005
2007	2006
2008	2008

Table 1: List of the 20 years (10 cooler, 10 warmer) that surrounded the 2011 March and April temperature anomalies. Those highlighted in rose are the years that were used in the further analysis.

	Below	Above	
May	XXX	X	75% Below
June	X	XXXX	80% Above

Table 2: Using the analog method, we can expect temperatures in May to be below normal while temperatures in June will be above average.

Composite Standardized Temperature Anomalies
May 1952,1957,1959,2006,2008
Versus 1895–2000 Longterm Average

NOAA/ESRL PSD and CIRES–CDC

−0.50   −0.30   −0.10   0.10   0.30
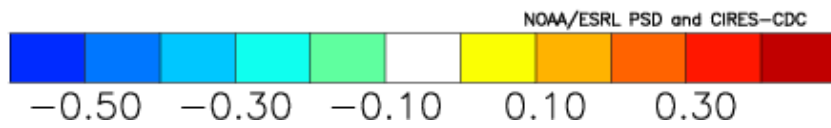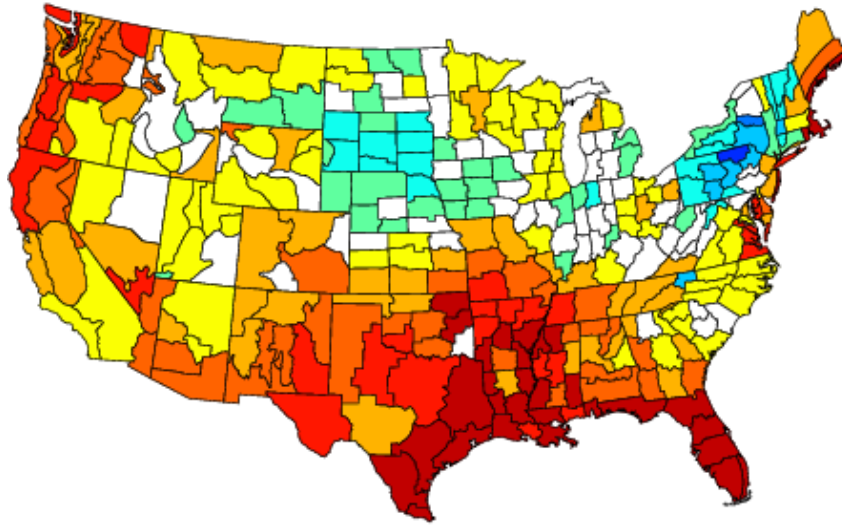
Composite Standardized Temperature Anomalies
Jun 1952,1957,1959,2006,2008
Versus 1895–2000 Longterm Average

NOAA/ESRL PSD and CIRES–CDC

−1.00   −0.60   −0.20   0.20   0.60