

# *The Pennsylvania Observer*



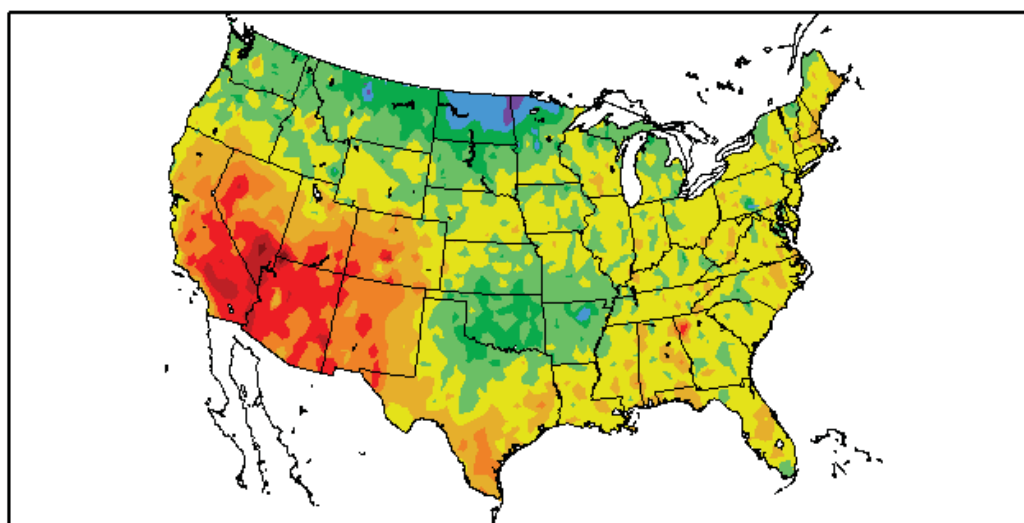
## Outlook

### Experimental Long Range Outlook for Pennsylvania: June 2009 – July 2009

The basis of this analog prediction scheme uses the notable temperature and precipitation anomaly from the last 30 days (or so) and in a 'fuzzy' way – that is setting all anomalies to +/- 0.5 standard deviations from the long-term mean – and matches these patterns to the climate division anomalies from 1895- present. The best matched years are selected (using a dozen or less) and these are used to produce the composite anomalies for the next two months and the years are used to create a composite daily anomaly for three regions of Pennsylvania.

Here are the anomalies for May, 2009:

Departure from Normal Temperature (F)  
5/1/2009 – 5/26/2009

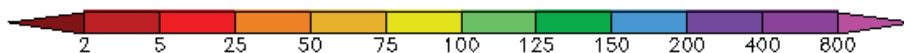
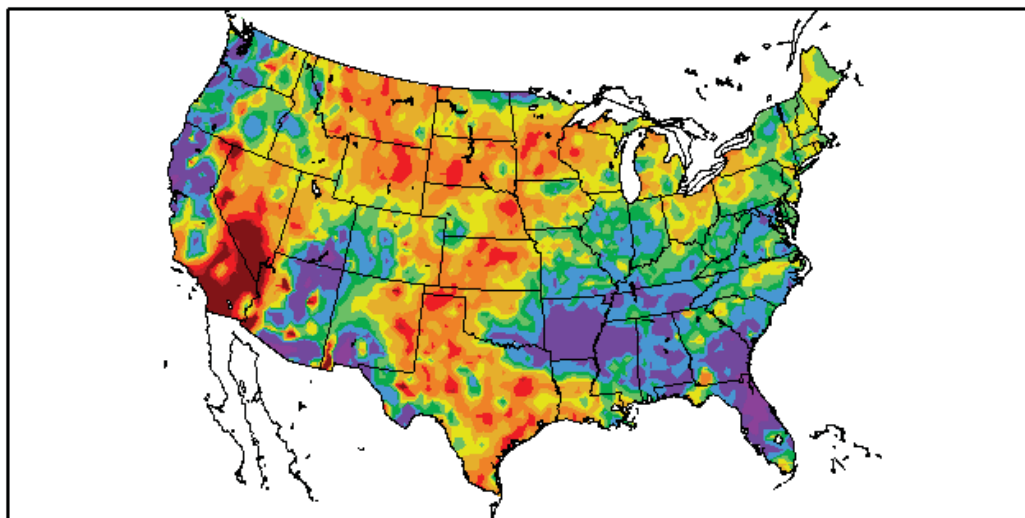


Generated 5/27/2009 at HPRCC using provisional data.

NOAA Regional Climate Centers

The outstanding features of the May temperatures have been the warmth in Southern Nevada, California, and parts of Arizona. Conditions resulting from below average temperatures were felt in North Dakota.

Percent of Normal Precipitation (%)  
5/1/2009 – 5/26/2009



Generated 5/27/2009 at HPRCC using provisional data.

NOAA Regional Climate Centers

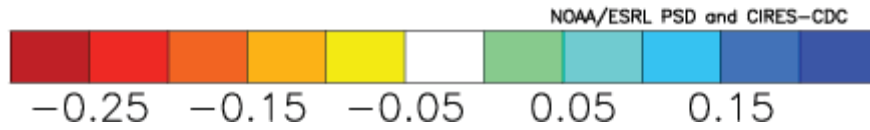
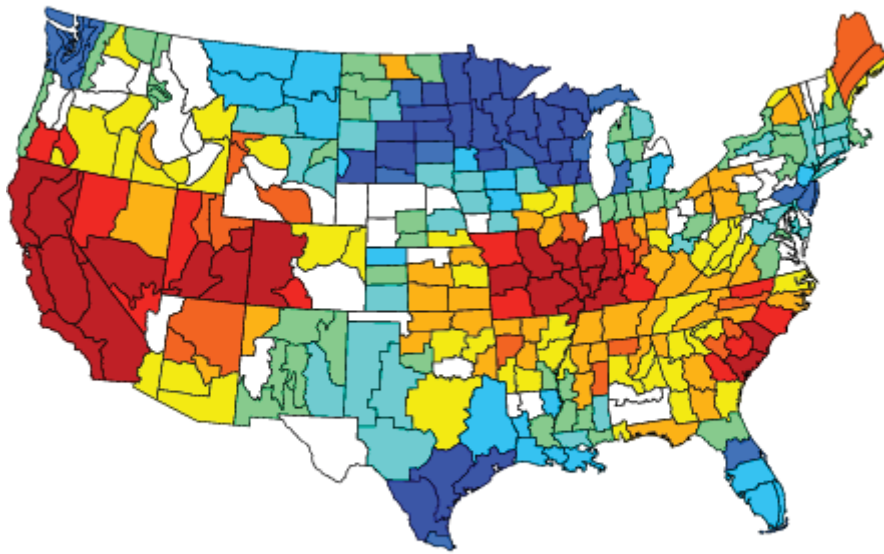
The outstanding character of May's rainfall has been the excessive precipitation in the Southeastern states, especially Missouri, Georgia, and Florida. This has relieved much of the drought like conditions in Florida. A dearth in precipitation can be seen throughout the mid section of the nation as well as southern Nevada and California.

These pairs of anomaly patterns were the input into the climate division data 'analog mapper' to select the closest match to previous May conditions.

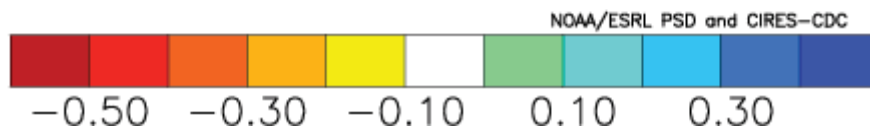
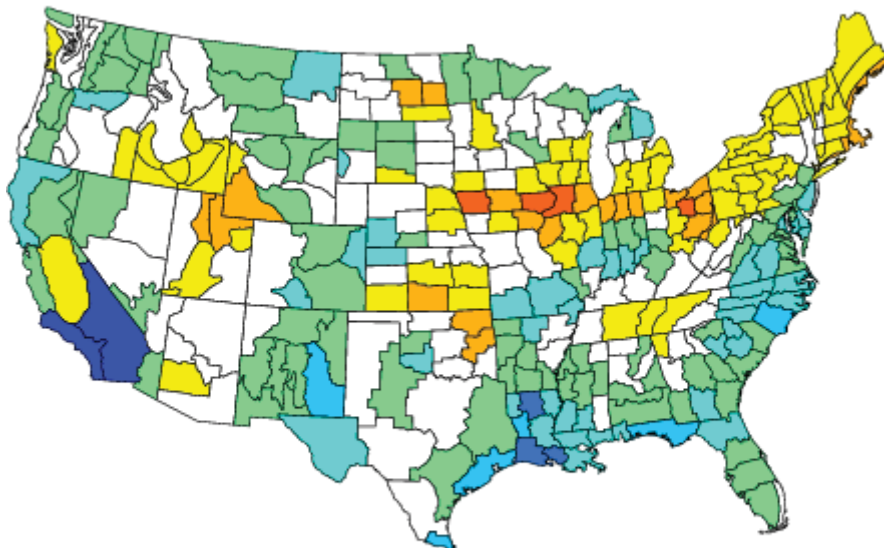
The following years were matched:  
1905, 1920, 1923, 1930, 1946, 1968, 1975, 1978, 1979, 1991

Below are the composite departures for those years for June and July.

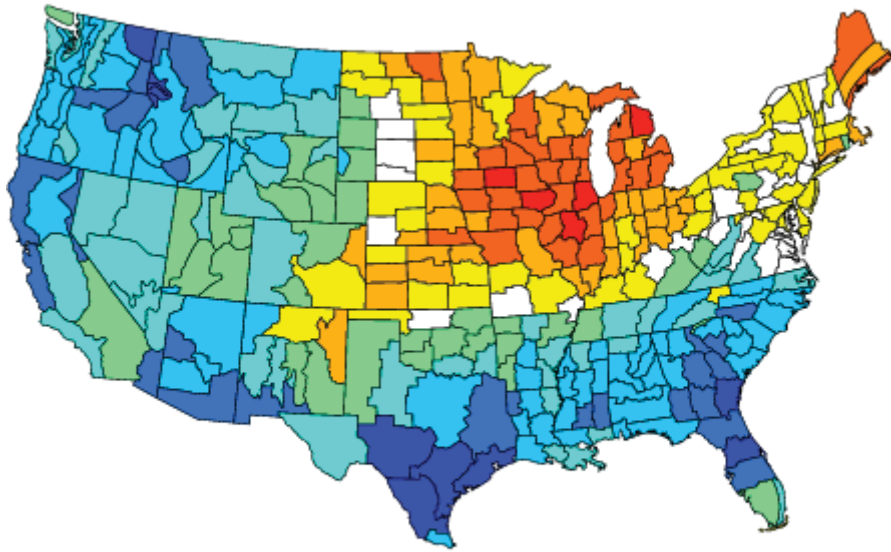
Composite Standardized Precipitation Anomalies  
Jun 1923,1920,1946,1979,1968,1905,1991,1978,1975,1930  
Versus 1895–2000 Longterm Average



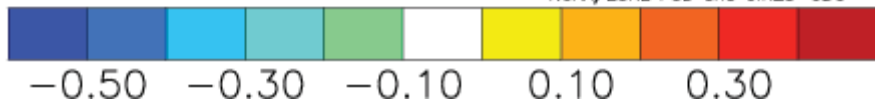
Composite Standardized Precipitation Anomalies  
Jul 1923,1920,1946,1979,1968,1905,1991,1978,1975,1930  
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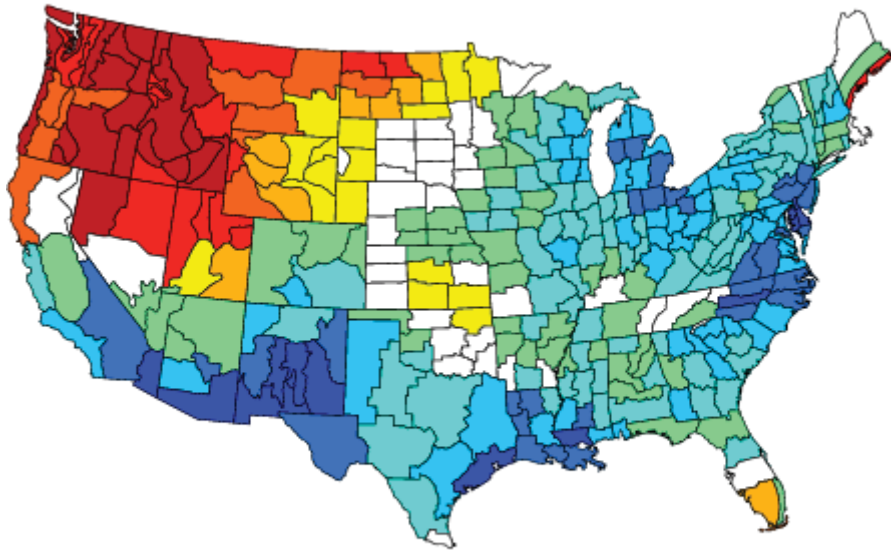
Composite Standardized Temperature Anomalies  
Jun 1923,1920,1946,1979,1968,1905,1991,1978,1975,1930  
Versus 1895–2000 Longterm Average



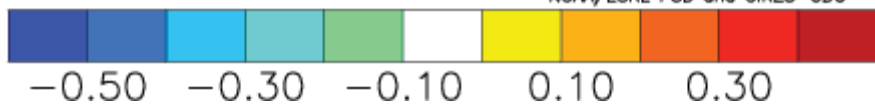
NOAA/ESRL PSD and CIRES-CDC



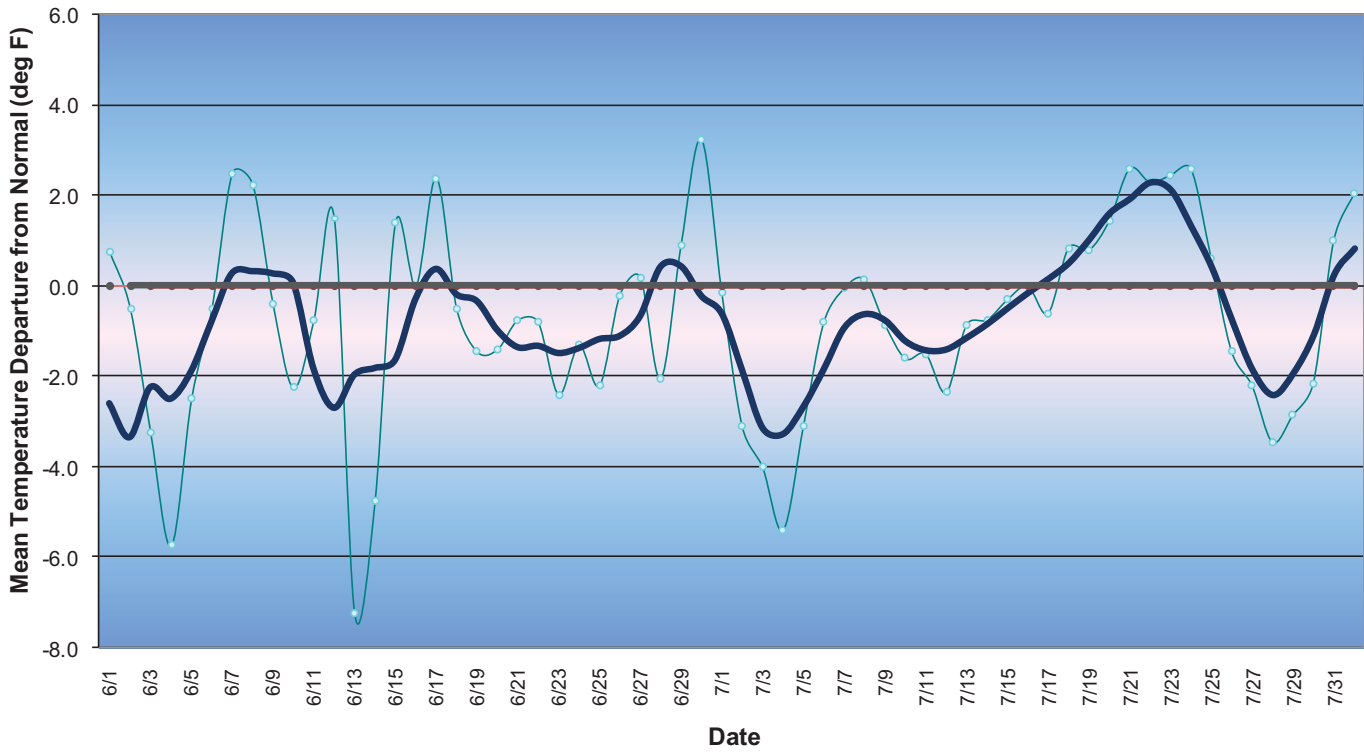
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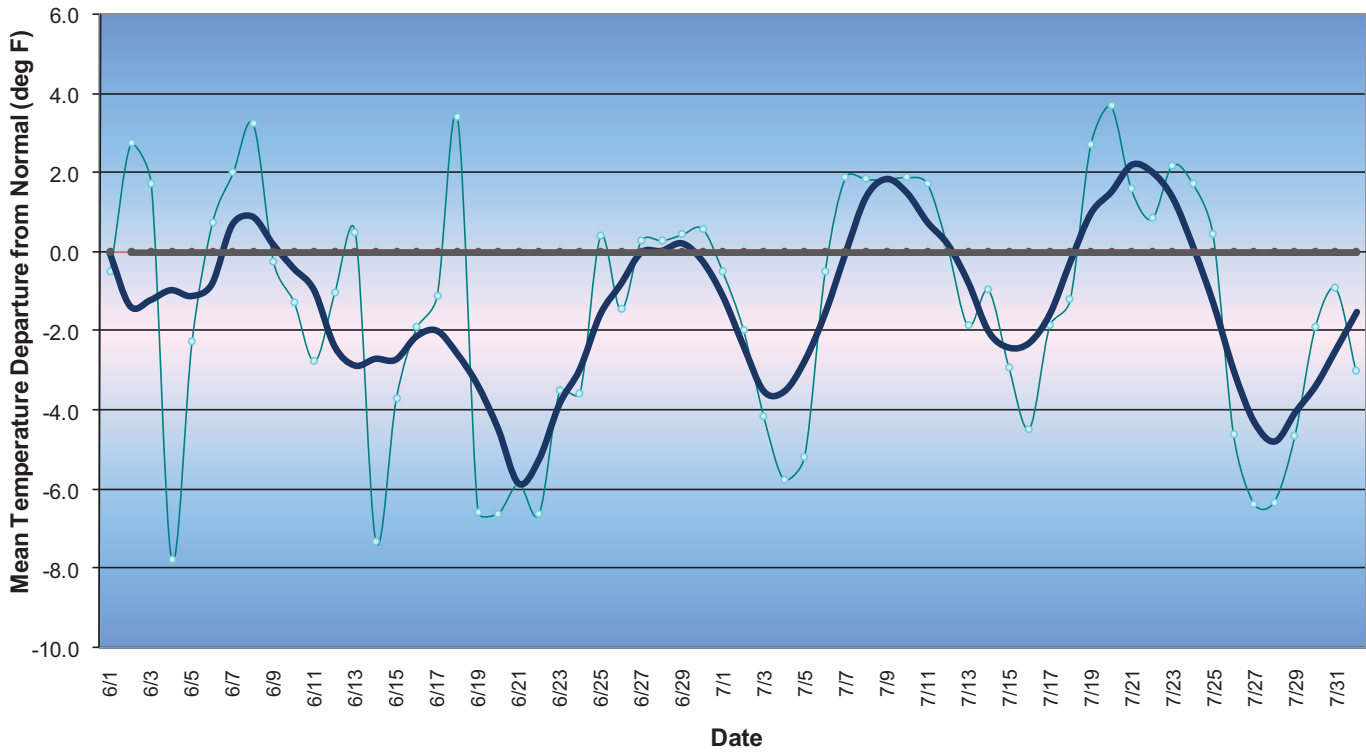
NOAA/ESRL PSD and CIRES-CDC



# Western Pennsylvania Temperature Forecast June - July 2009



# Central Pennsylvania Temperature Forecast June - July 2009



## Eastern Pennsylvania Temperature Forecast June - July 2009

