

# **The Pennsylvania Observer**



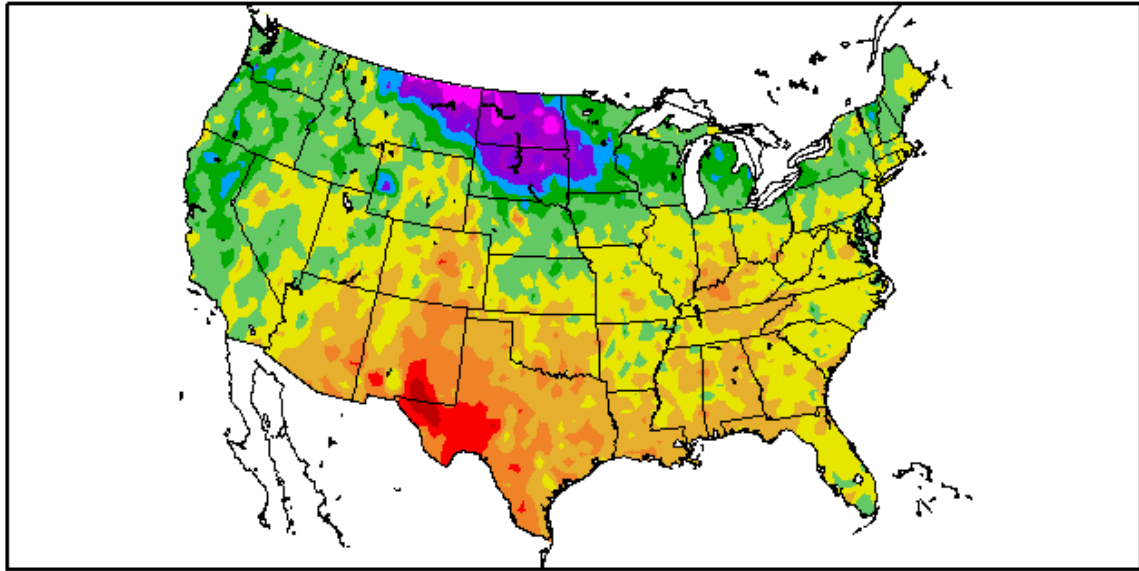
## **Outlook**

**Experimental Long Range Outlook for Pennsylvania: April – May 2011**

*Prepared by: Zachary Palm*

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.

Departure from Normal Temperature (F)  
3/1/2011 - 3/30/2011

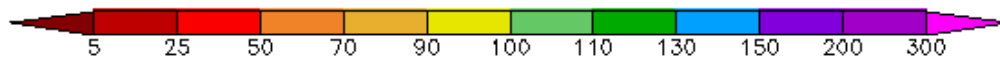
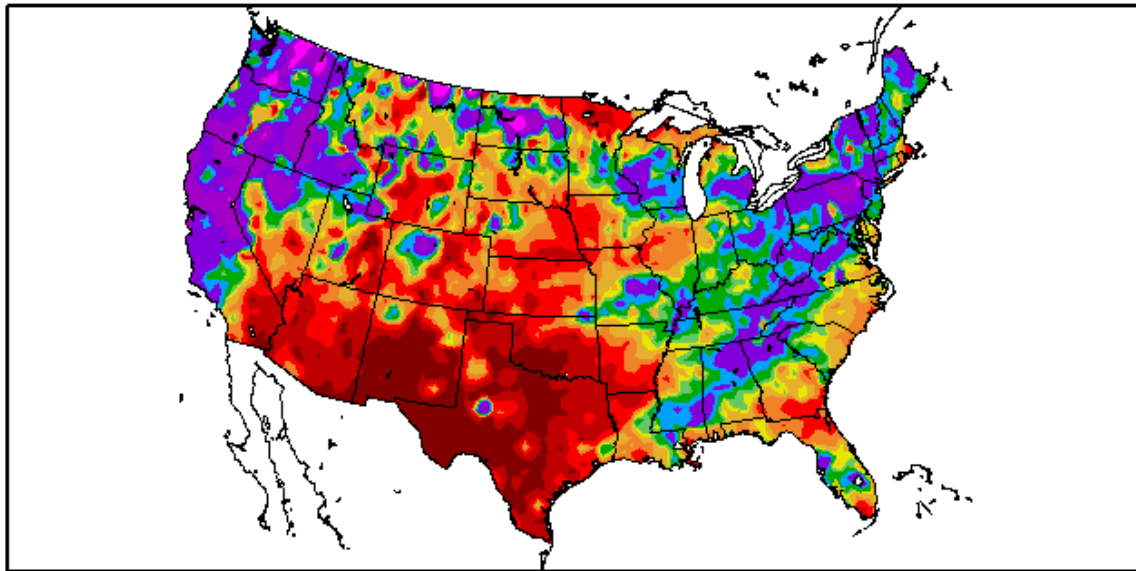


Generated 3/31/2011 at HPRCC using provisional data.

Regional Climate Centers

Much below normal temperatures were felt throughout the upper Midwest during the month of March. On the contrast, above average temperatures were recorded in western Texas.

Percent of Normal Precipitation (%)  
3/1/2011 – 3/30/2011



Generated 3/31/2011 at HPRCC using provisional data.

Regional Climate Centers

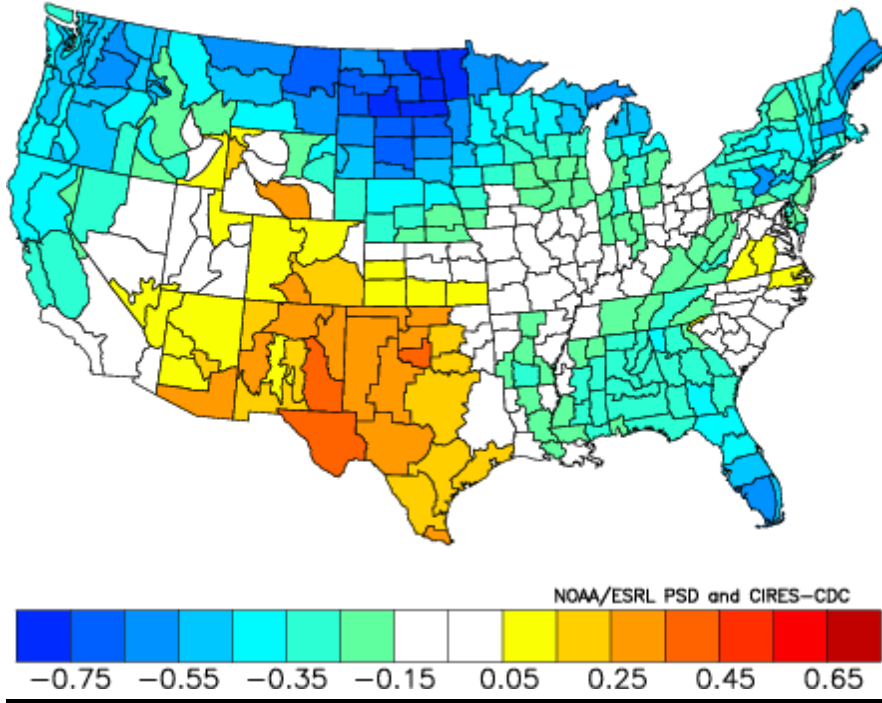
Much of the western interior of the nation experienced a dearth in precipitation, with the greatest deficits occurring in Texas and southern New Mexico. Above average precipitation was measured along the West Coast as well as the spine of the Appalachians.

The following years were matched:

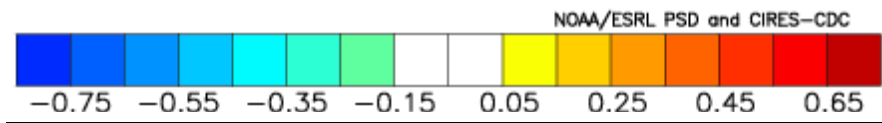
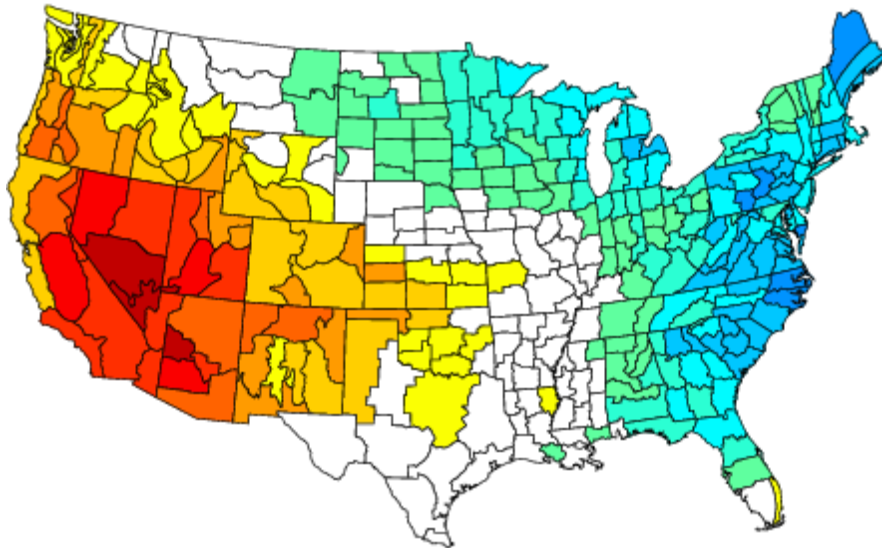
1972, 1956, 1967, 1950, 1940, 1997, 1974, 1986, 1960, 2007

Below are the composite departures for those years for April and May.

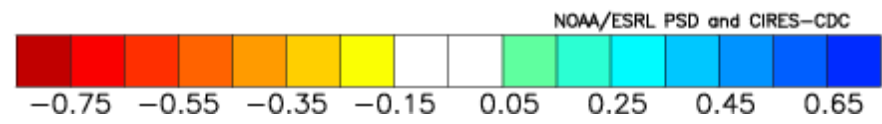
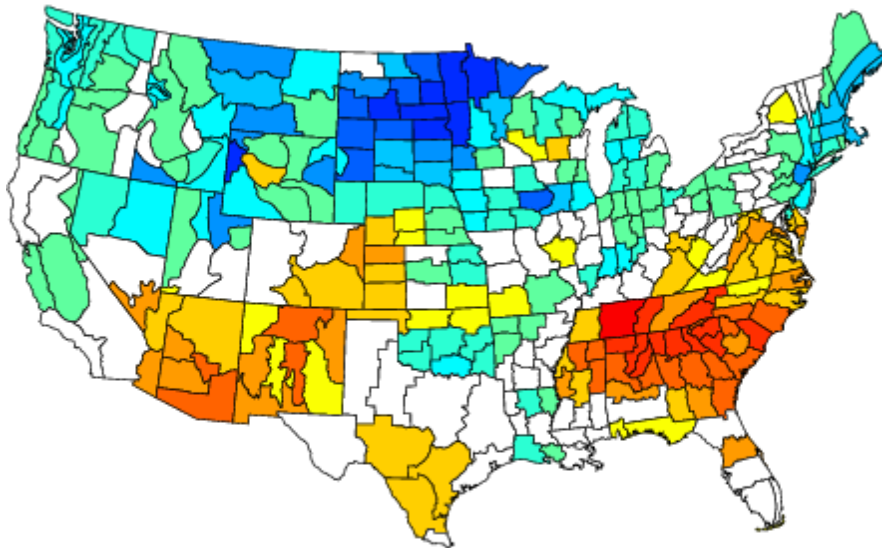
Composite Standardized Temperature Anomalies  
Apr 1972,1956,1967,1950,1940,1997,1974,1986,1960,2007  
Versus 1895–2000 Longterm Average



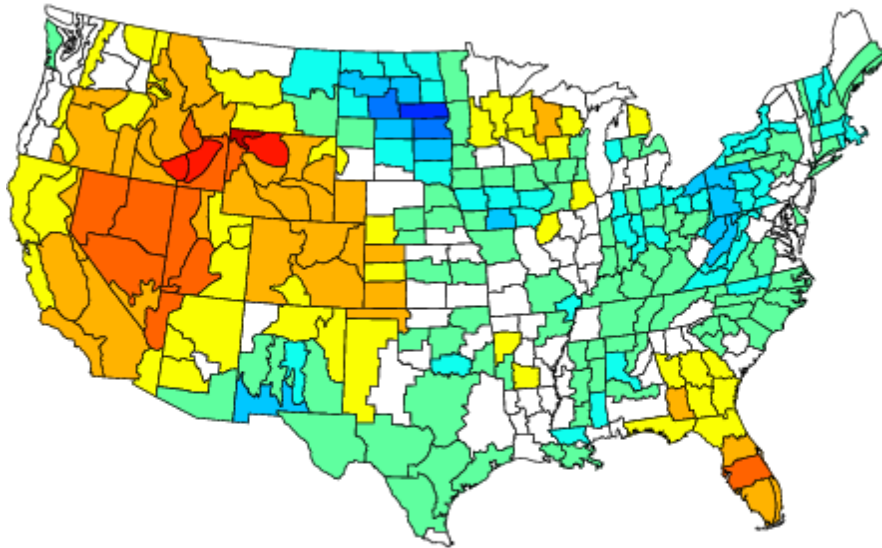
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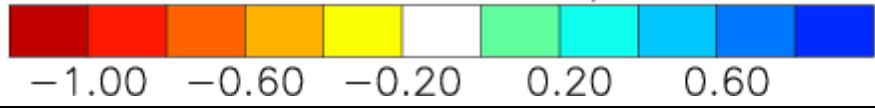
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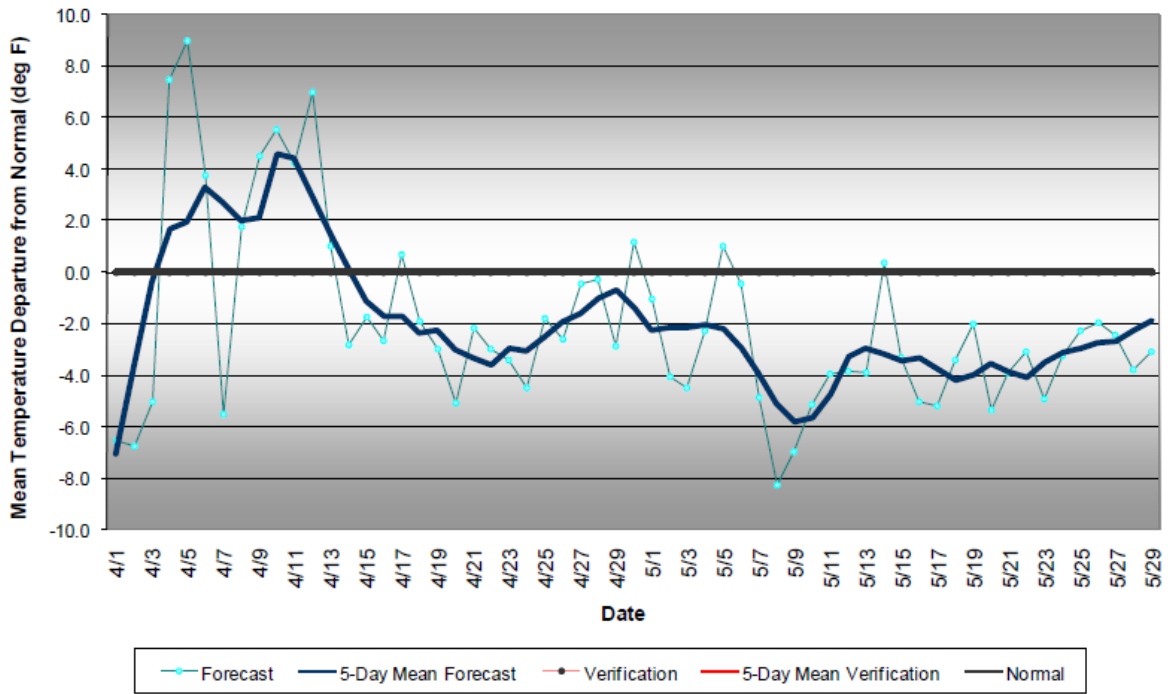
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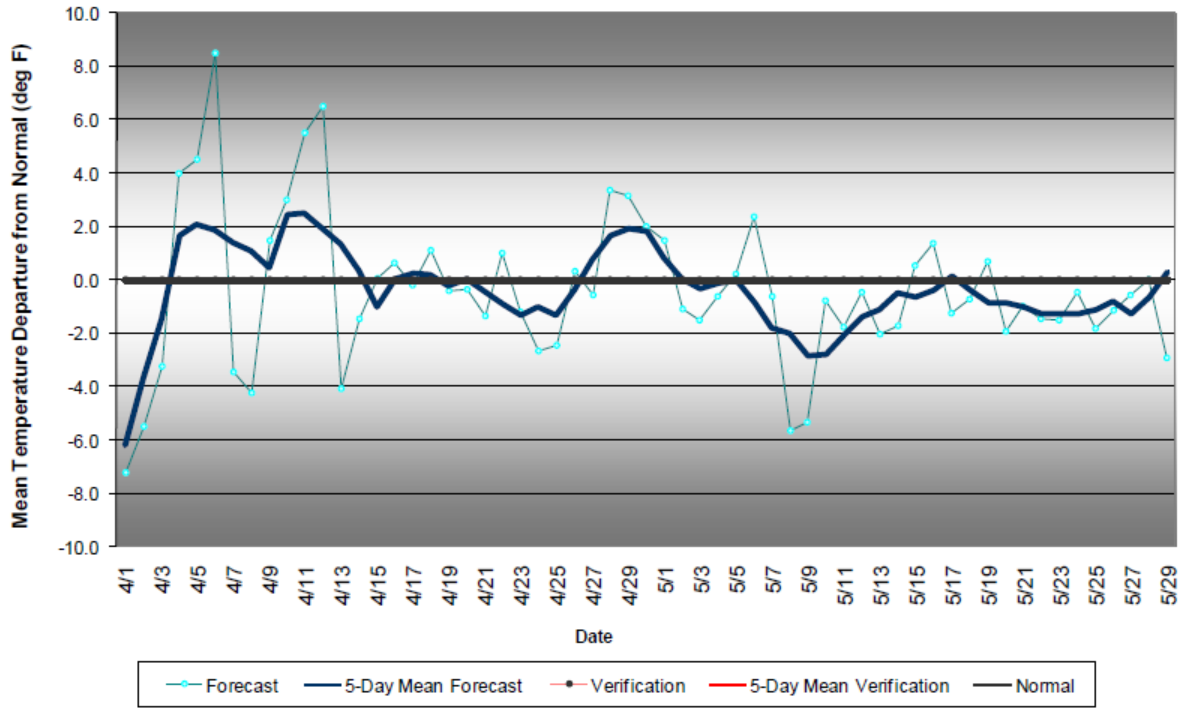
NOAA/ESRL PSD and CIRES-CDC



Western Pennsylvania Temperature Forecast  
April-May 2011



Central Pennsylvania Temperature Forecast  
April-May 2011





Eastern Pennsylvania Temperature Forecast  
April-May 2011

