

The Pennsylvania Observer



Outlook

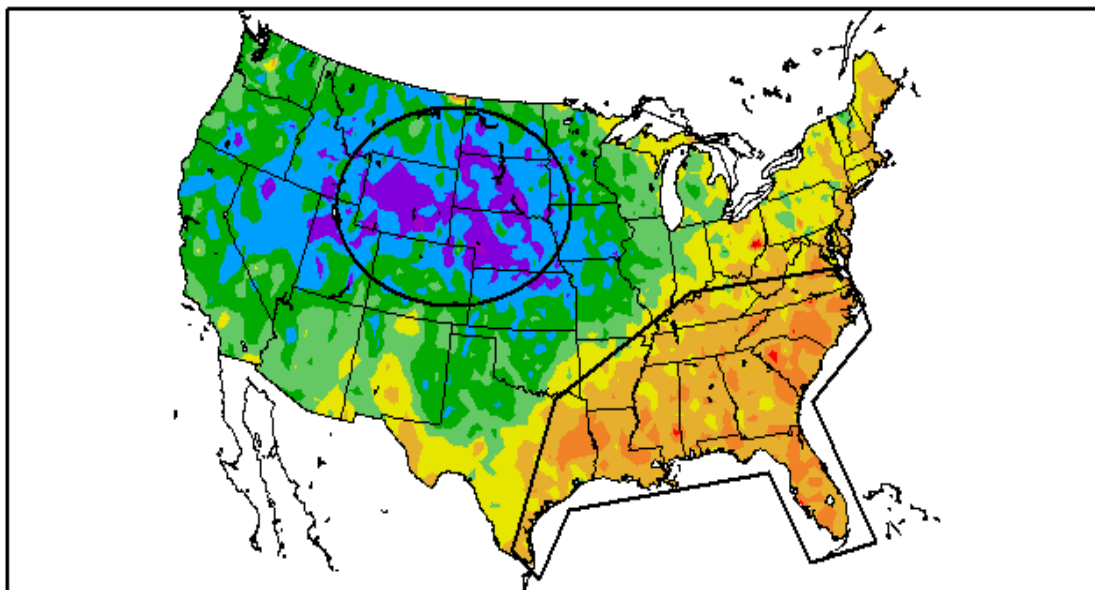
Experimental Long Range Outlook for Pennsylvania: June 2010 – July 2010

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.

These are the departures from normal during May with the regions encircled used to compare the anomalies from past years at a climate division level.

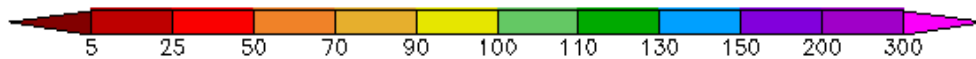
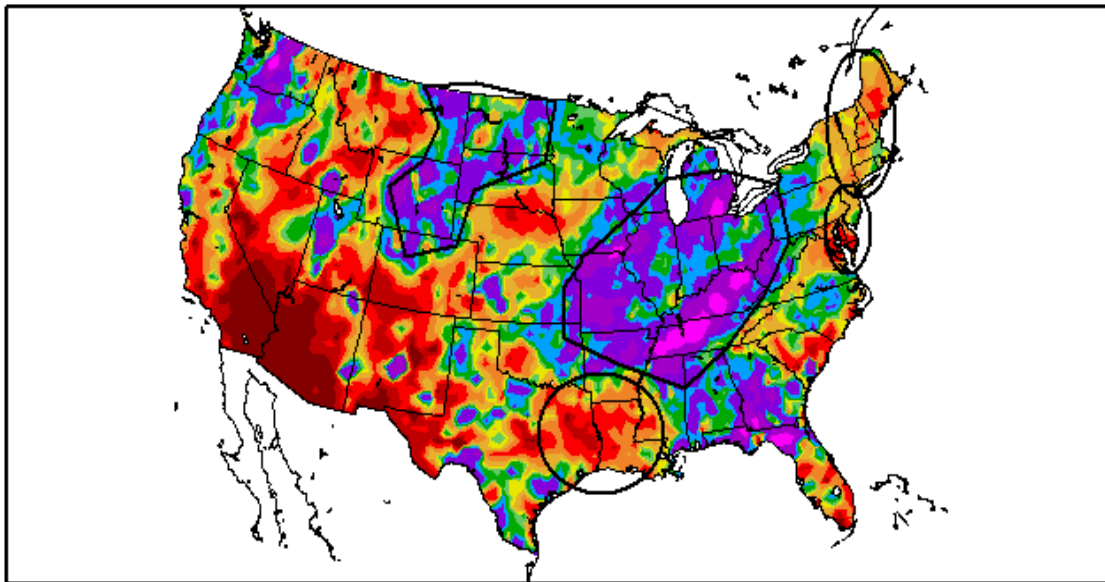
Departure from Normal Temperature (F)

May 2010



Percent of Normal Precipitation (%)

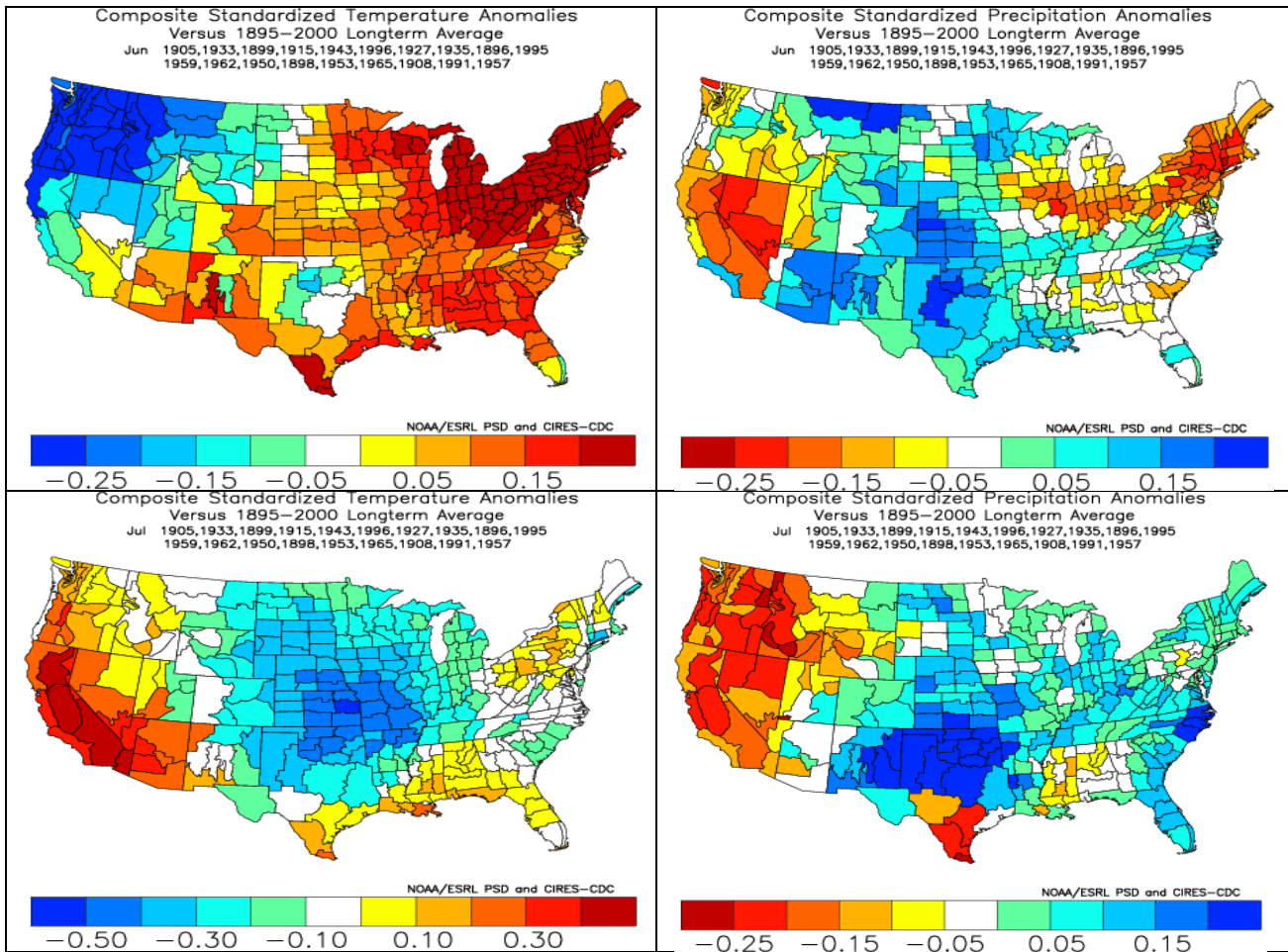
May 2010



The six regions are matched with the following common years during May. The underlined years are those since 1950:

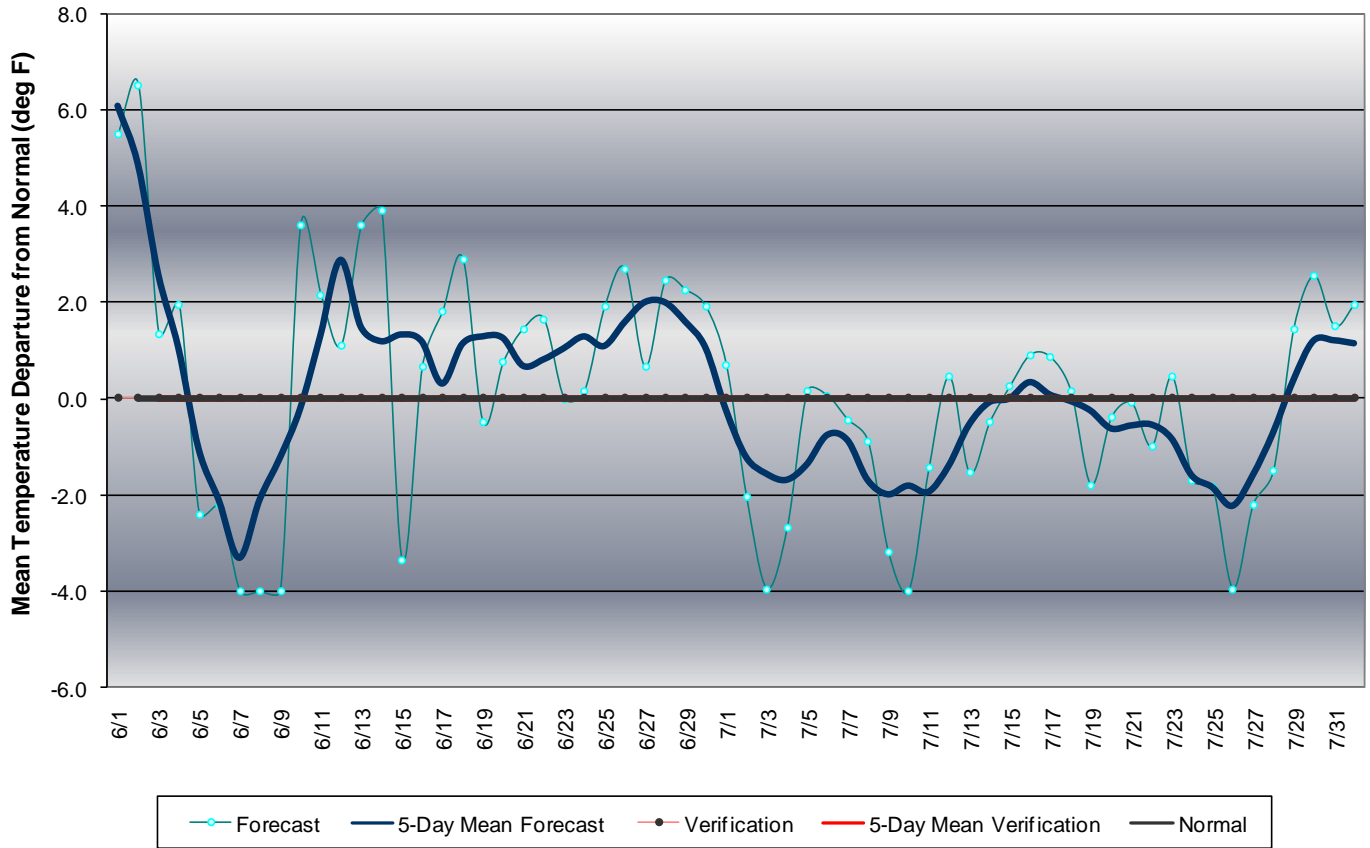
Year1905matches55.56% AnomRegions77.63% ClimateDivs
Year1933matches44.44% AnomRegions69.83% ClimateDivs
Year1899matches55.56% AnomRegions68.47% ClimateDivs
Year1915matches33.33% AnomRegions66.78% ClimateDivs
Year1943matches33.33% AnomRegions65.76% ClimateDivs
Year1996matches44.44% AnomRegions63.05% ClimateDivs
Year1927matches44.44% AnomRegions63.05% ClimateDivs
Year1935matches44.44% AnomRegions57.97% ClimateDivs
Year1896matches22.22% AnomRegions56.61% ClimateDivs
Year1995matches33.33% AnomRegions55.93% ClimateDivs
Year1959matches22.22% AnomRegions55.93% ClimateDivs
Year1962matches44.44% AnomRegions53.56% ClimateDivs
Year1950matches22.22% AnomRegions52.54% ClimateDivs
Year1898matches33.33% AnomRegions52.20% ClimateDivs
Year1953matches22.22% AnomRegions51.19% ClimateDivs
Year1965matches33.33% AnomRegions50.85% ClimateDivs
Year1908matches33.33% AnomRegions50.17% ClimateDivs
Year1991matches22.22% AnomRegions50.17% ClimateDivs
Year1957matches33.33% AnomRegions49.15% ClimateDivs

The overall pattern based on all years for climate division data for June and July can be seen below:

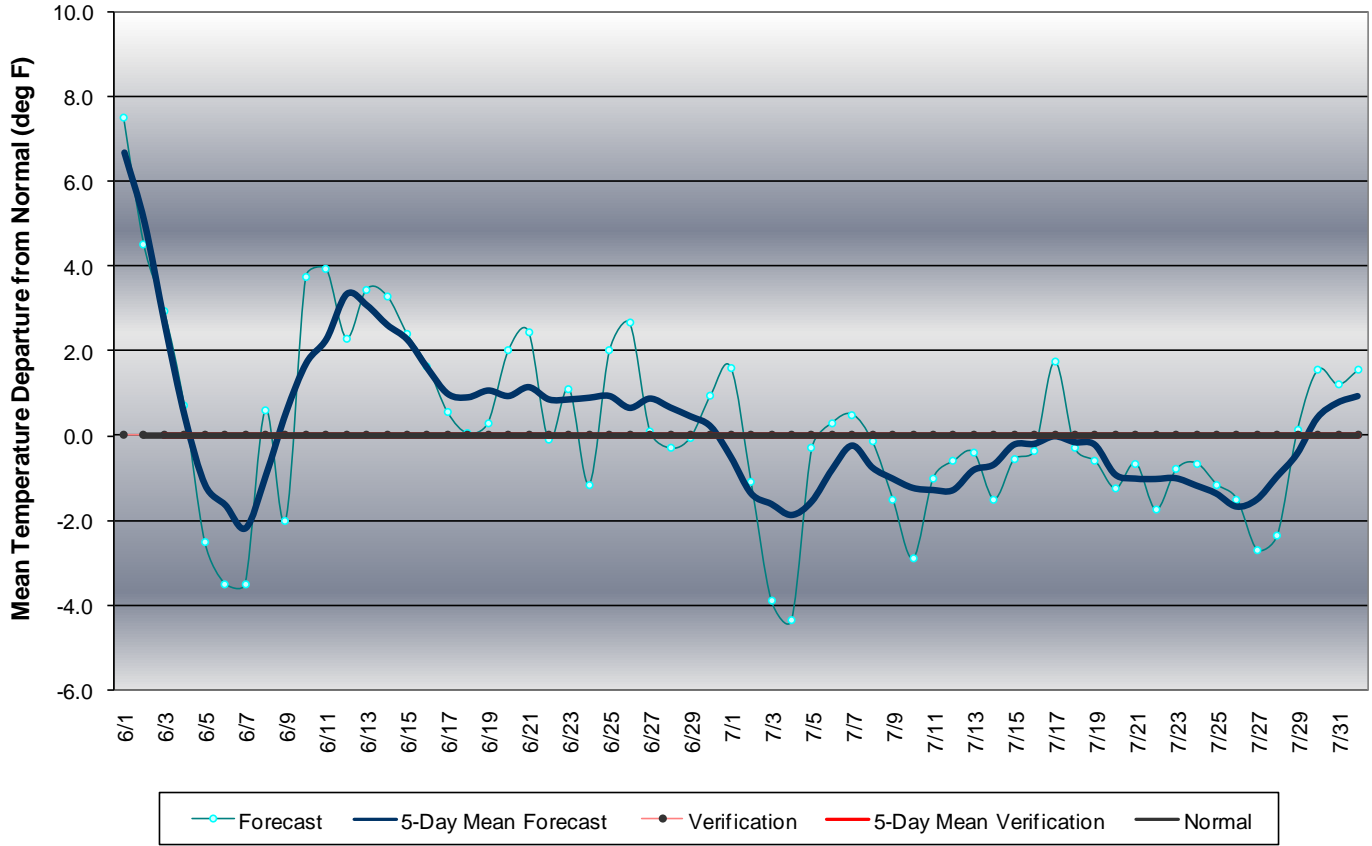


Summary: A very warm and relatively dry June would be expected in the Northeast, including Pennsylvania. July would turn more seasonal with wetter conditions, especially in New England.

Western Pennsylvania Temperature Forecast June - July 2010



Central Pennsylvania Temperature Forecast June - July 2010



Eastern Pennsylvania Temperature Forecast June - July 2010

