

The Pennsylvania Observer

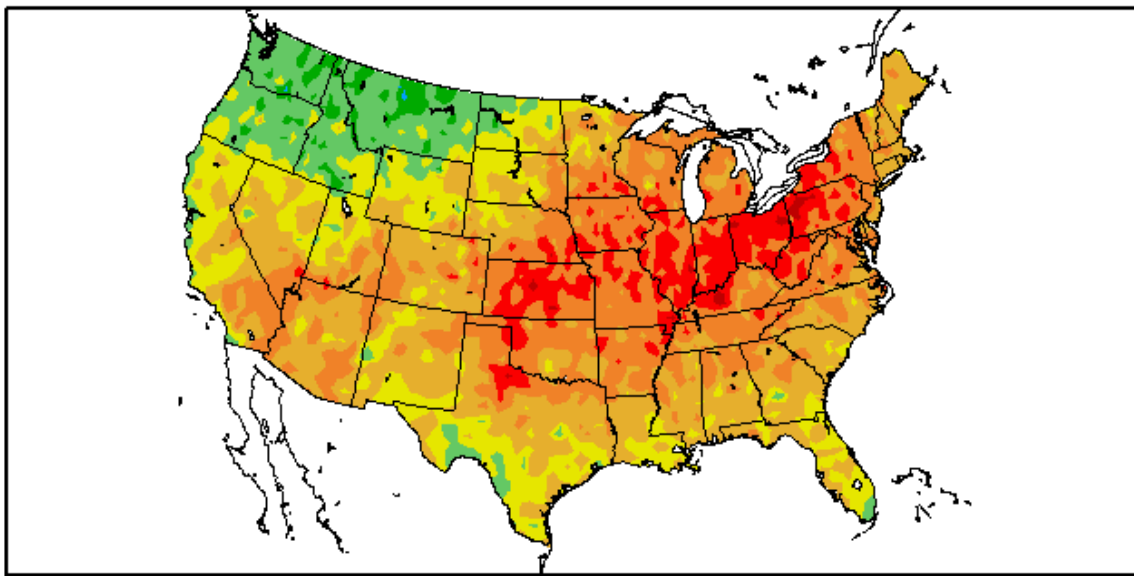


LONG RANGE OUTLOOK

By: Kyle Imhoff

The following map indicates temperature departures from normal, in degrees Fahrenheit, for the month of May:

Departure from Normal Temperature (F)
5/1/2012 – 5/29/2012

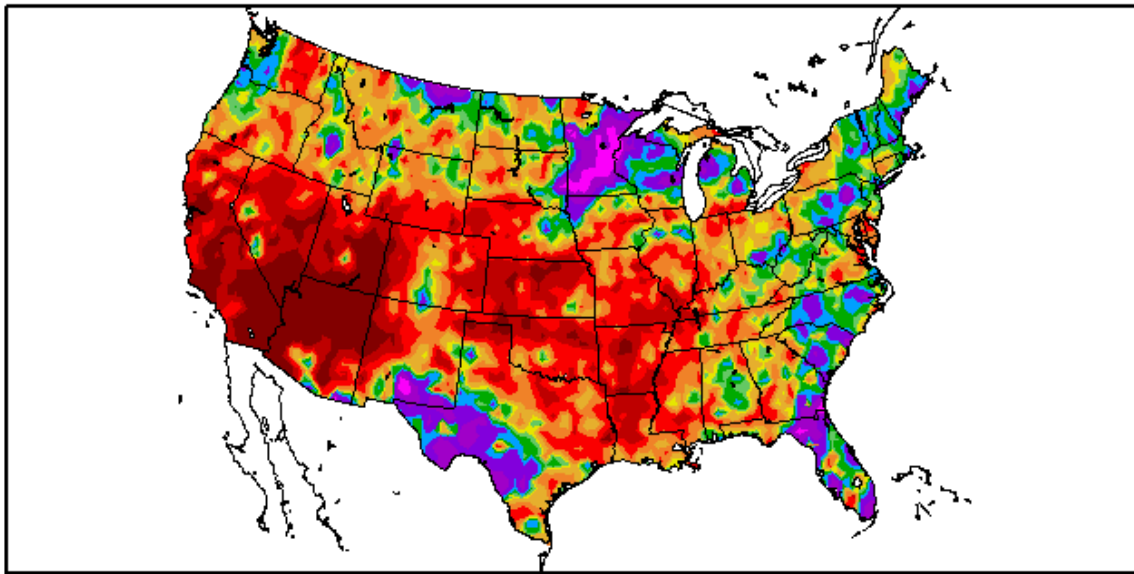


Generated 5/30/2012 at HPRCC using provisional data.

Regional Climate Centers

Similarly, below is a map of percent of normal precipitation for the month of May:

Percent of Normal Precipitation (%) 5/1/2012 – 5/29/2012



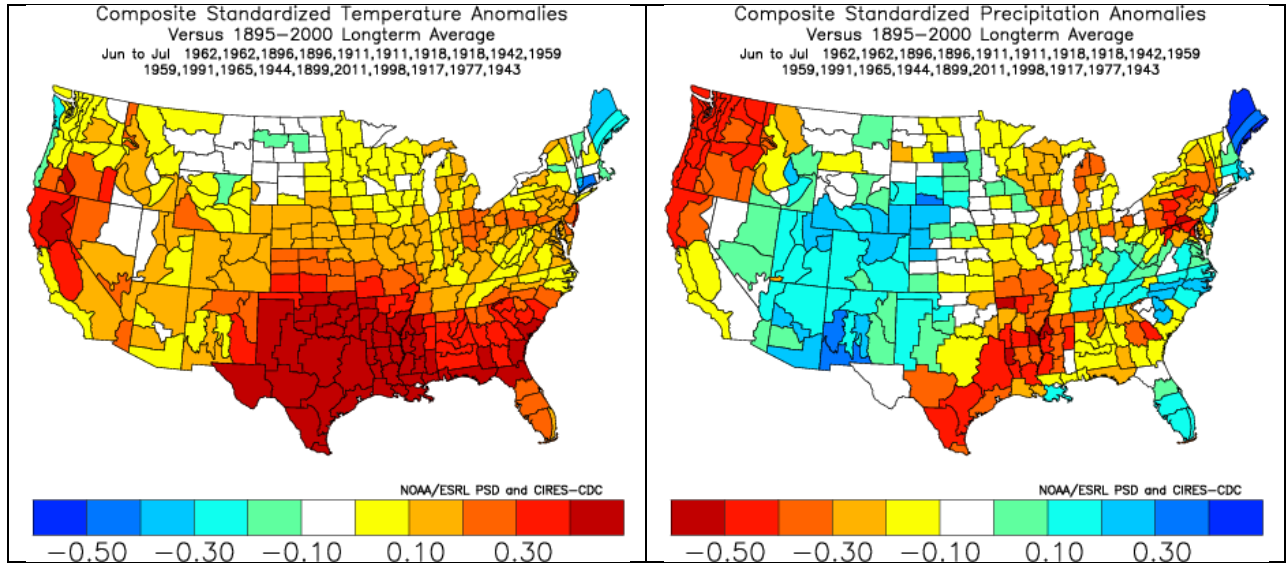
Generated 5/30/2012 at HPRCC using provisional data.

Regional Climate Centers

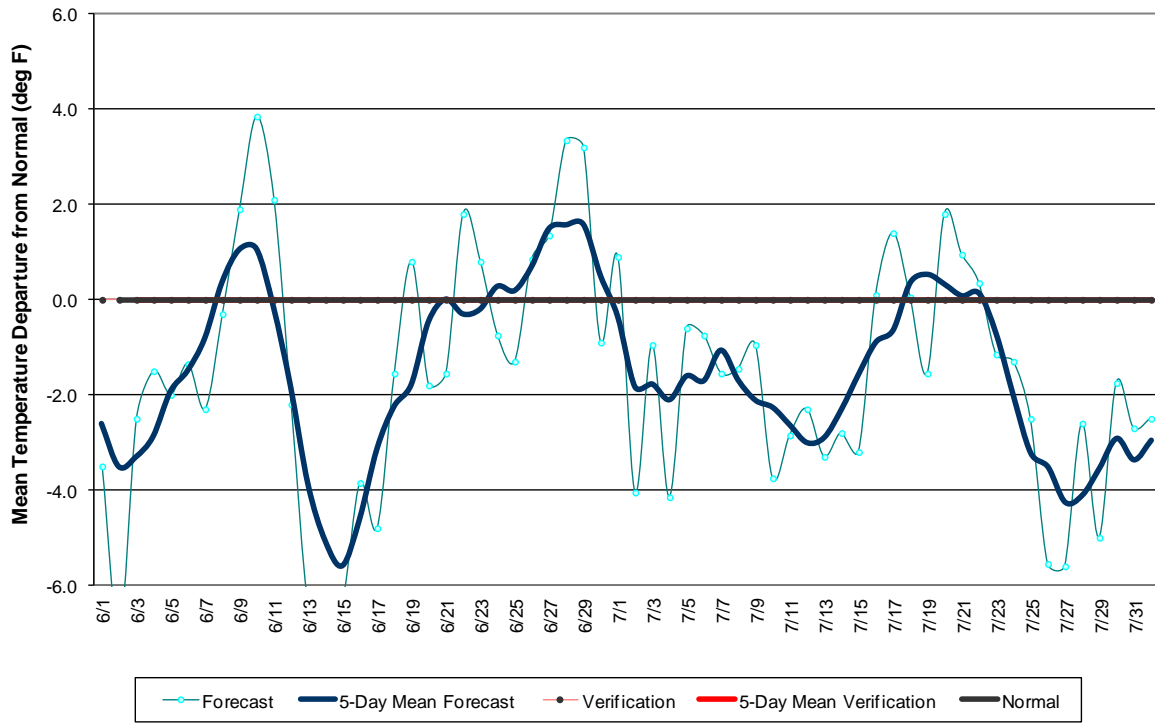
The anomalous temperature and precipitation regions from the above images were matched with the 9 US climate regions assigned by NCDC with May data for the past 117 years. The following table indicates regions in which the 2012 anomalies fell within the top 20 warmest, coolest, driest, or wettest years as indicated by the table header. The years listed for each region indicate the top 20 extremes from 1895-2011. Years in red are analogous years that match for all 4 regions, orange match 3 of the 4 regions, and yellow match 2 of the 4 regions:

Ohio Valley - Warmest		Northwest - Coolest		South - Driest		Upper Midwest - Wettest	
1962	69.8	1965	50.1	1998	1.53	1943	4.58
1896	69.4	1974	50	1988	1.9	1991	4.58
1991	68.8	1950	50	1962	1.94	1999	4.6
1987	68	1942	50	1921	2.05	1899	4.62
1965	67.8	1943	49.8	1911	2.16	1944	4.62
1977	67.7	1917	49.8	1996	2.4	1912	4.67
1944	67.7	1911	49.8	1896	2.43	1915	4.75
1911	67.5	1962	49.7	1925	2.49	1902	4.86
1918	67.3	1927	49.4	1945	2.55	1960	4.87
1998	67.2	2011	49.2	1917	2.58	1962	4.87
1982	67.2	1959	49.2	1934	2.61	1973	5.01
1959	67.1	1955	49.2	1963	2.68	2001	5.02
1902	67	1908	49.2	1918	2.73	1896	5.06
2004	66.9	2010	49	2006	2.74	1942	5.14
2007	66.8	1953	49	1927	2.8	1959	5.16
1936	66.5	1977	48.9	1931	2.8	1938	5.29
1934	66.4	1899	48.5	1932	2.82	1905	5.32
1964	66.1	1916	48.3	1942	2.82	1903	5.38
1941	66.1	1933	48.2	2011	2.83	1918	5.4
1975	65.9	1896	47.9	2005	2.89	1908	6.23

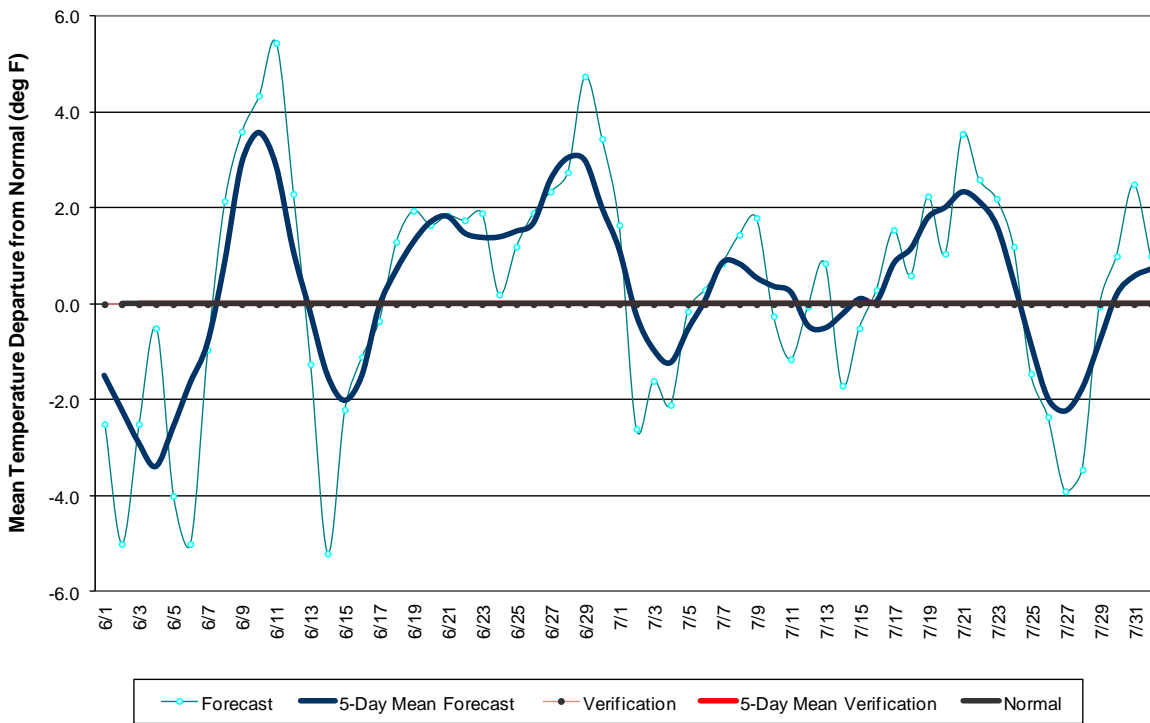
When utilizing all the years listed above as analogies for the following June-July, these are the anomalies noted for temperature (left) and precipitation (right):



Western Pennsylvania Temperature Forecast June - July 2012



Central Pennsylvania Temperature Forecast June - July 2012



Eastern Pennsylvania Temperature Forecast June - July 2012

