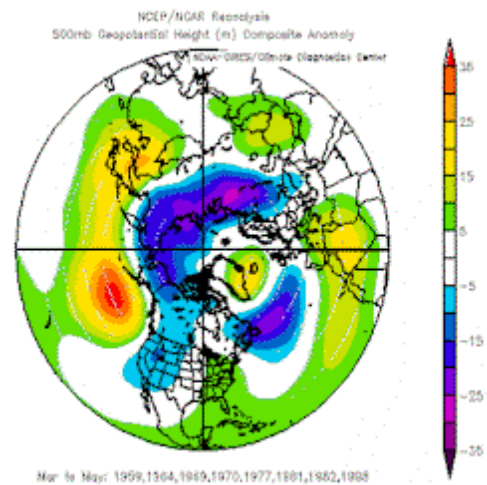


The Pennsylvania Observer

The Pennsylvania State Climatologist

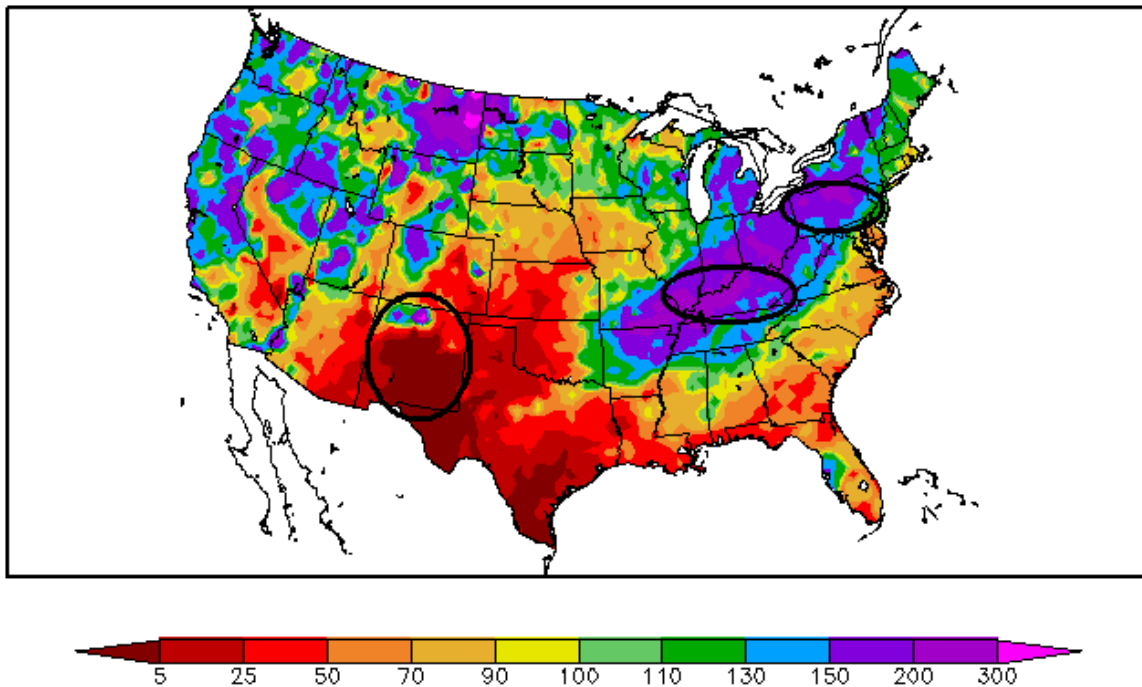


May Climate Highlight:

The May 2011 climate highlight shows the temperature and precipitation outlook for the duration of the summer (June-August) based upon precipitation anomalies from a 90 day period and temperature anomalies since the beginning of the year. Anomalies from Pennsylvania, Kentucky, New Mexico, Texas, and South Dakota were used.

Longer term anomalies can afford us an insight into prolonged blocking patterns. A review of the precipitation for the 90 day period ending in mid-May shows that Kentucky and Pennsylvania had exceptionally moist conditions while New Mexico was parched.

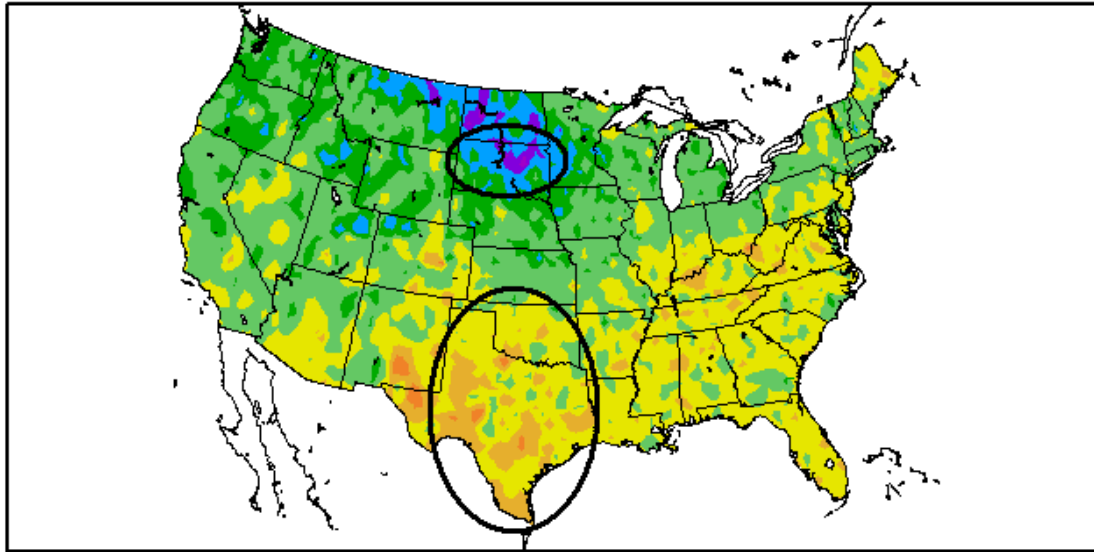
Percent of Normal Precipitation (%)
2/11/2011 – 5/11/2011



Similarly, the temperature anomalies since the first of the year show two distinct anomalies; a warm departure in Texas and a cold anomaly in South Dakota.

Departure from Normal Temperature (F)

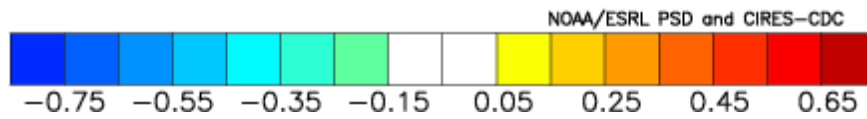
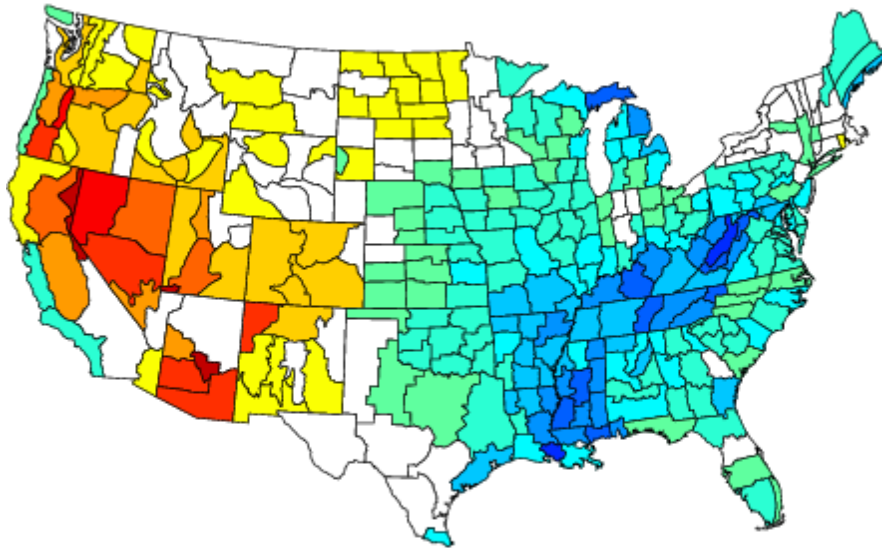
1/1/2011 – 5/11/2011



The colors indicate the common years (red =4, yellow=3, orange=2) and these are used to create a composite summer temperature and rainfall pattern for the nation.

KY (F-M Rain)		PA (F-M Rain)		NM (F-M Rain)		TX (J-M Temps)		SD (J-M Temps)	
2008	22.09	2008	17.81	2008	1.84	2009	60.08	1996	30.26
2003	20.65	2004	15.28	2006	1.31	2006	62.02	1982	30.42
2002	20.81	2002	15.09	2002	1.09	2000	62.3	1979	26.94
1997	22.49	2000	15.1	1996	0.94	1999	60.86	1978	28.64
1994	21.26	1998	16.91	1989	1.7	1998	59.54	1975	31.12
1989	23.97	1996	14.84	1974	1.05	1990	59.64	1966	30.3
1984	22.41	1994	15.3	1972	0.88	1986	60.76	1965	30.56
1983	21.68	1993	15.69	1971	1.41	1974	60.34	1960	30.28
1975	24.08	1989	15.96	1967	1.13	1972	60.14	1956	30.88
1973	21.4	1984	17.75	1966	1.43	1967	60.2	1950	26.9
1972	21.32	1983	17.47	1962	1.35	1954	60.06	1940	30.74
1961	21.56	1973	15.23	1960	1.63	1953	60.28	1937	29.3
1956	22.53	1972	15.88	1956	1.46	1950	60.12	1936	27.12
1955	22.34	1967	14.88	1950	0.96	1938	60.48	1929	29.38
1945	22.12	1961	15.53	1946	1.7	1935	59.94	1924	30.86
1939	21.43	1956	17.17	1945	1.49	1933	59.56	1922	30.66
1935	24.52	1953	17.28	1943	1.8	1927	61.5	1917	27.78
1933	20.99	1952	17.49	1933	1.71	1925	60.96	1916	29.9
1927	23.44	1950	14.92	1927	1.68	1921	60.92	1913	31.02
1922	20.56	1948	16.51	1925	1.51	1916	60.16	1912	29.66
1912	22.29	1945	15.91	1918	1.95	1911	61.64	1909	31.02
1909	25.61	1944	15.15	1910	1.32	1909	59.84	1907	29.94
1908	22.98	1942	15.13	1904	1.06	1908	59.94	1905	31.06
1903	20.63	1940	17.77	1902	1.37	1907	60.32	1904	30.84
1899	21.01	1933	17.29	1899	1.08	1904	60.04	1899	27.08
1897	23.98	1908	16.87	1896	1.14	1896	59.7	1897	30.8

Composite Standardized Temperature Anomalies
Versus 1895–2000 Longterm Average
Jun to Aug 1972,1972,1956,1956,1956,1950,1950,1950,1933,1933
1933,2008,2002,1996,1989,1927,1908,1945



Composite Standardized Precipitation Anomalies
Versus 1895–2000 Longterm Average
Jun to Aug 1972,1972,1956,1956,1956,1950,1950,1950,1933,1933
1933,2008,2002,1996,1989,1927,1908,1945

