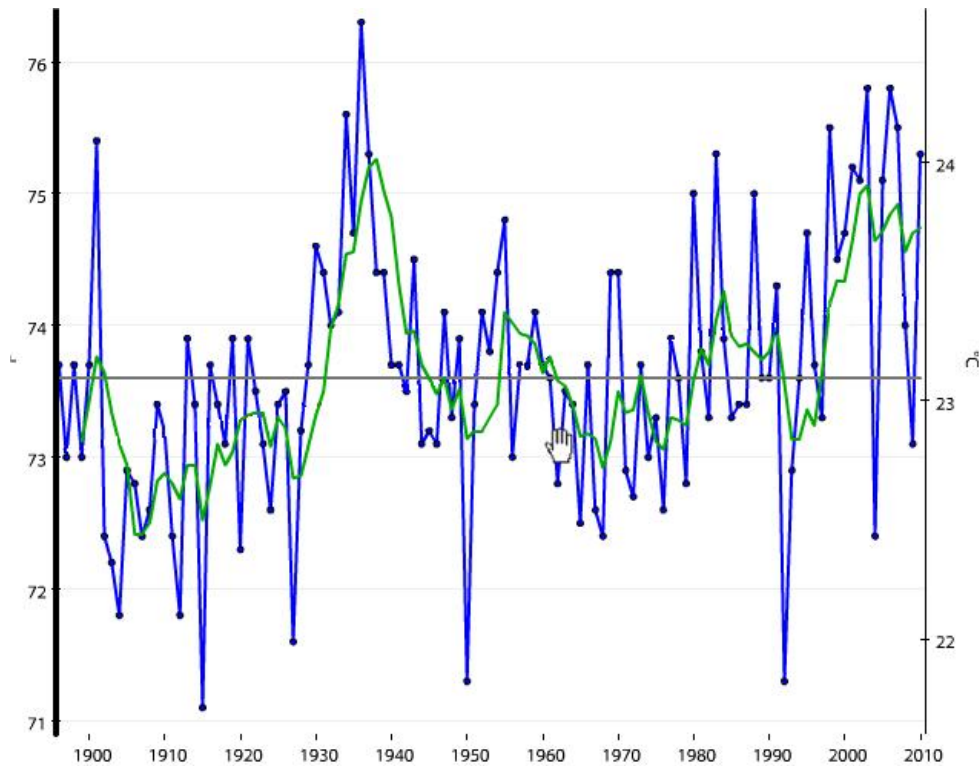


WARM SUMMER IN CONTEXT

By Joseph D'Aleo

The summer was the fourth warmest for the United States according to NOAA NCDC. Although the graph of the June through August period from NCDC showed it as the 9th warmest.

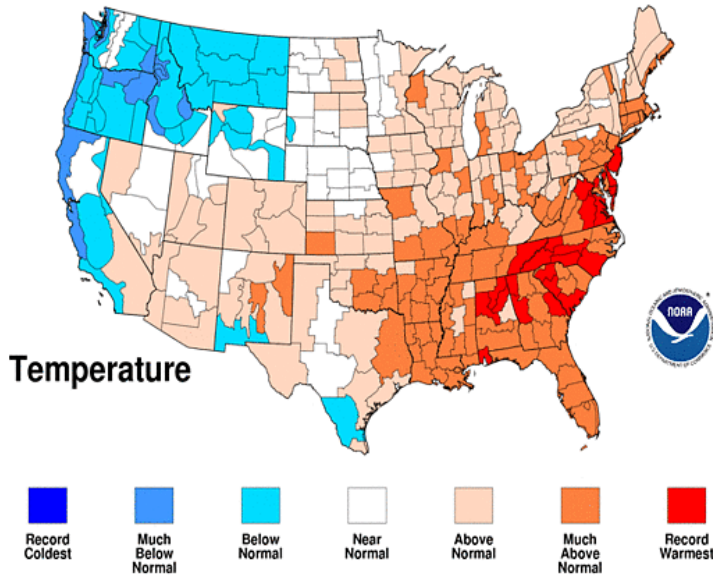


Before 2007 in version 1 of USHCN there was an urban adjustment that reduced temperatures in urban areas according to the population. That was removed in 2007 which resulted in a cooling of the temperatures before 1980 and a warming of the recent decades.

However there is no doubt it was a warm summer in the east and central. This was expected as an El Nino winter that gives way to a moderate La Nina summer is typically hot in the central and east (1966, 1988, 1995 and 1999 are some examples). Most forecasters saw this coming. La Nina will mean next summer will be cooler more like 2008 or 2009.

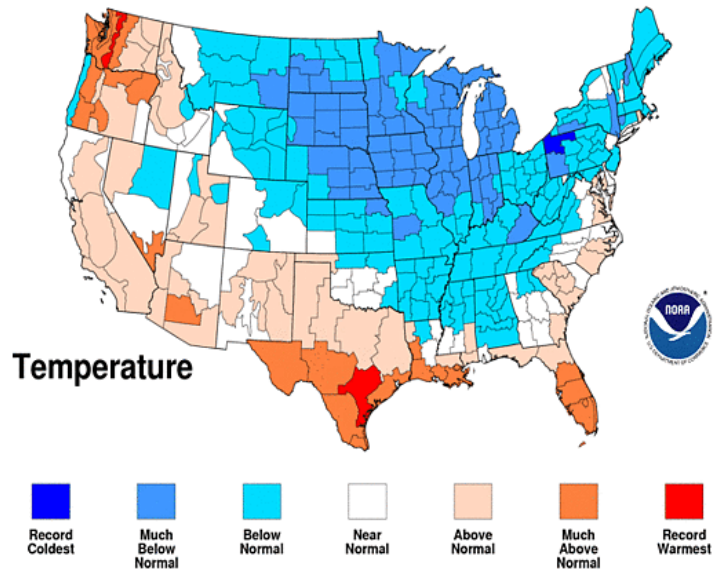
Jun - Aug 2010

National Climatic Data Center/NESDIS/NOAA



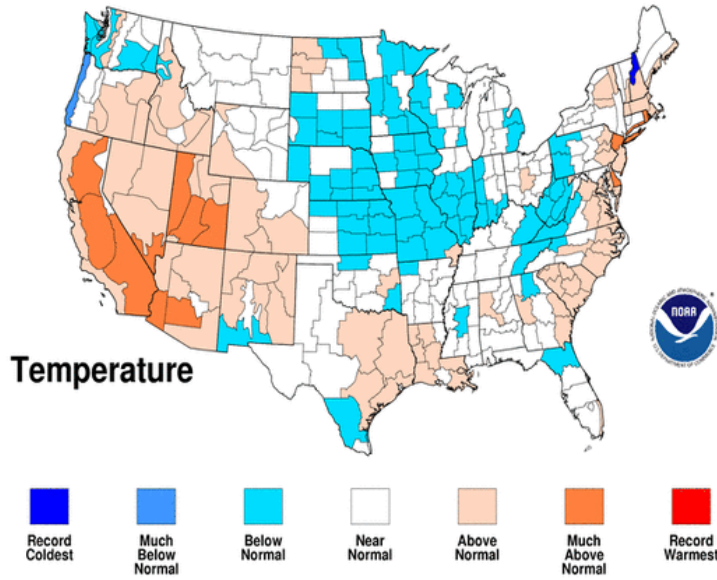
Jun - Aug 2009

National Climatic Data Center/NESDIS/NOAA



Jun - Aug 2008

National Climatic Data Center/NESDIS/NOAA

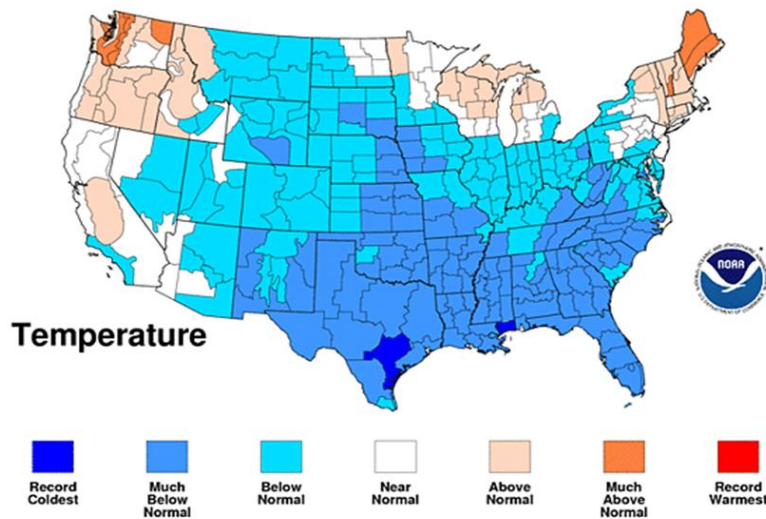


The average for the summer for the United States was 2.2F above normal this year that matched the amount the winter temperatures were BELOW normal this past winter for the United States. Summer 2009 was 0.5F below normal. Summer 2008 was 0.4F above for the US.

US averaged 2.2F below normal for the winter

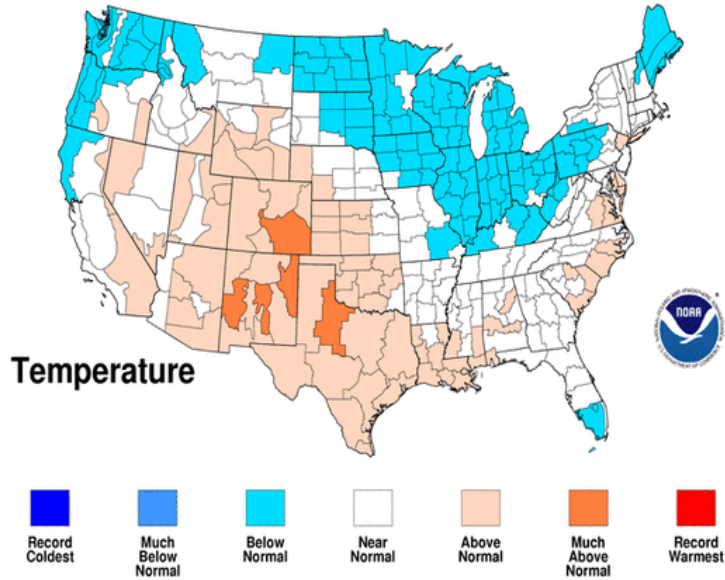
Dec 2009 - Feb 2010 Divisional Ranks

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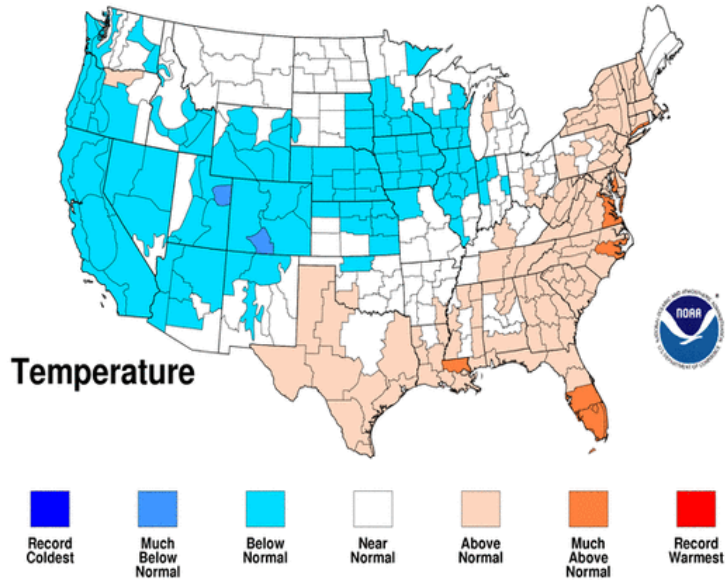
Dec 2008 - Feb 2009 Divisional Ranks

National Climatic Data Center/NESDIS/NOAA



Dec 2007 - Feb 2008 Divisional Ranks

National Climatic Data Center/NESDIS/NOAA



[This winter](#) will be more like that of 2007/08 or 2008/09. The La Nina will mean next summer will be cooler more like 2008 or 2009.