



2015-16 Winter Weather Outlook

Temperatures and Precipitation

Chris Coleman

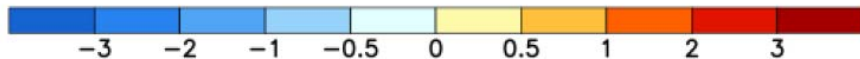
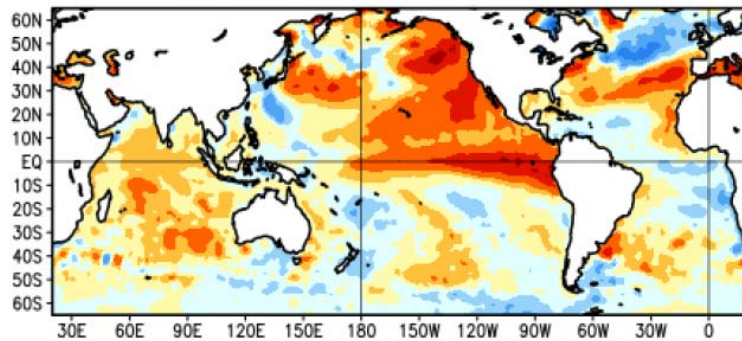
Senior Meteorologist

ERCOT and Texas RE Winter Weatherization Workshop

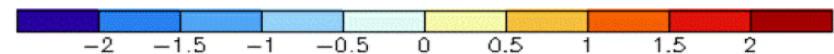
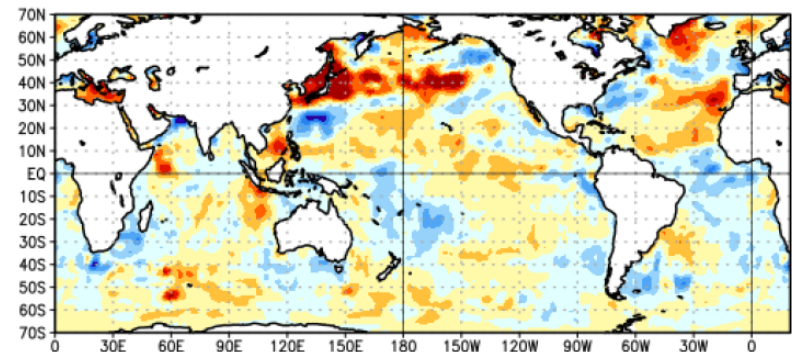
September 1, 2015

El Niño and Ocean Temperatures

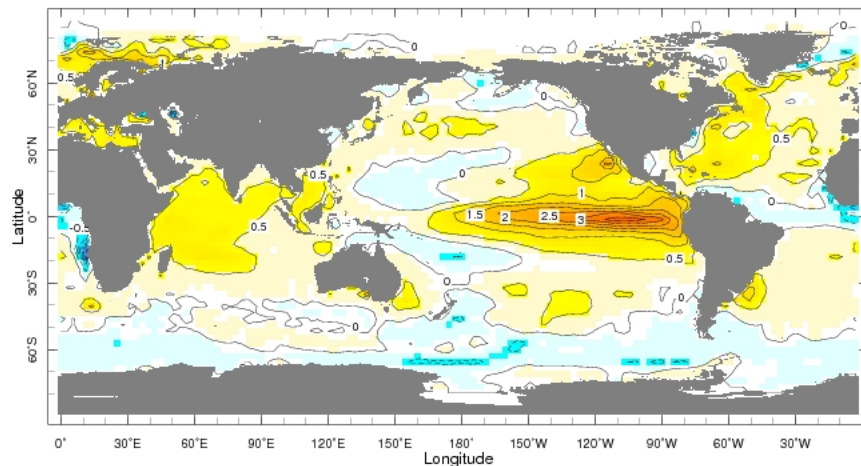
Average SST Anomalies
12 JUL 2015 – 8 AUG 2015



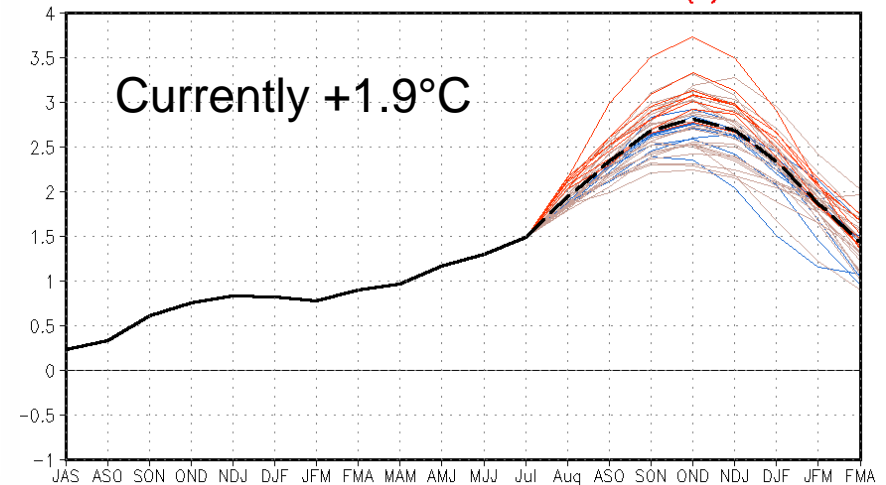
Change in Weekly SST Anoms (°C)
05AUG2015 minus 08JUL2015



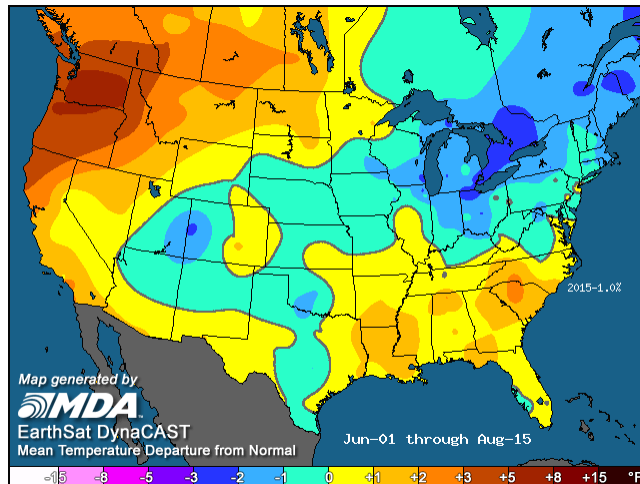
Dec 2015 - Feb 2016 IRI seasonal Forecast SSTA issued 0000 1 Jul 2015



CFSv2 forecast Nino3.4 SST anomalies (K)

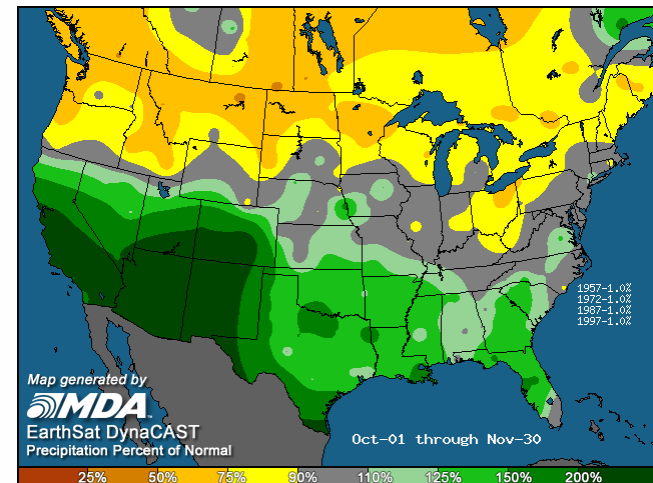
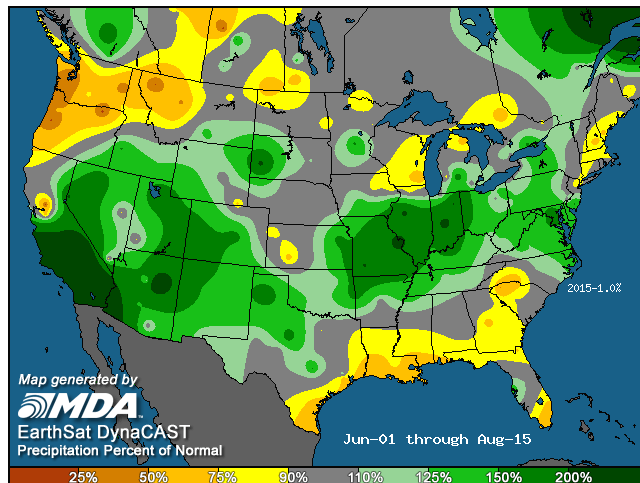
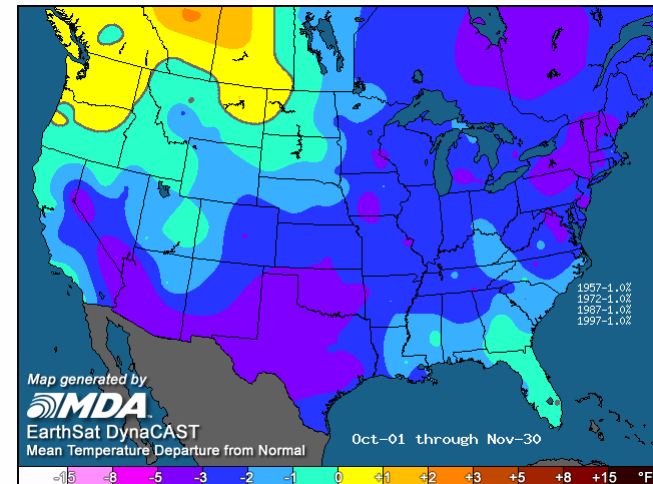


Summer and Fall 2015

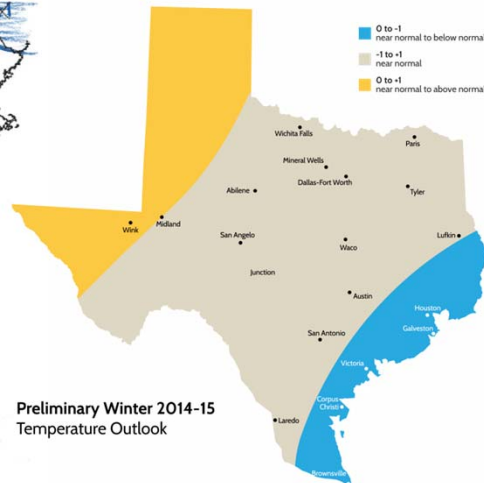
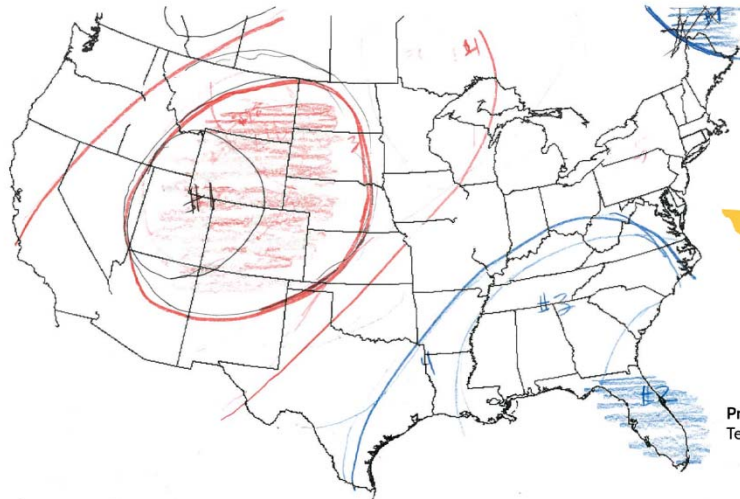
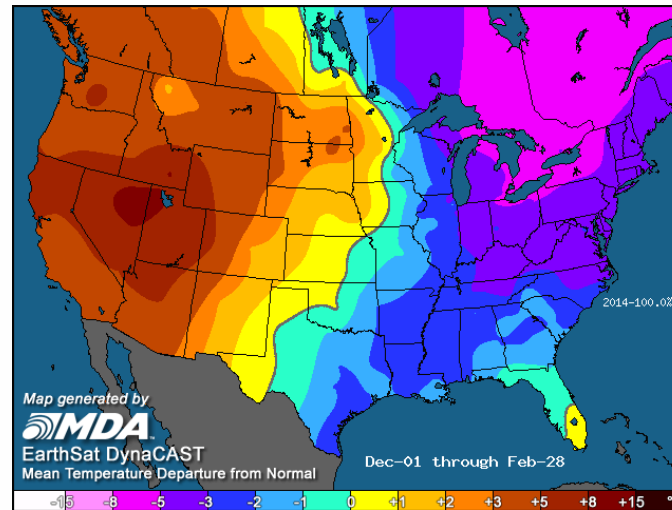


Summer has
been hotter
than
anticipated

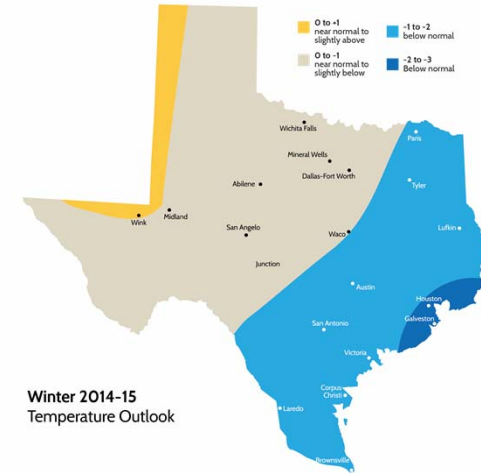
Expect a
cooler,
wetter fall



Last Winter's Forecast versus Actual

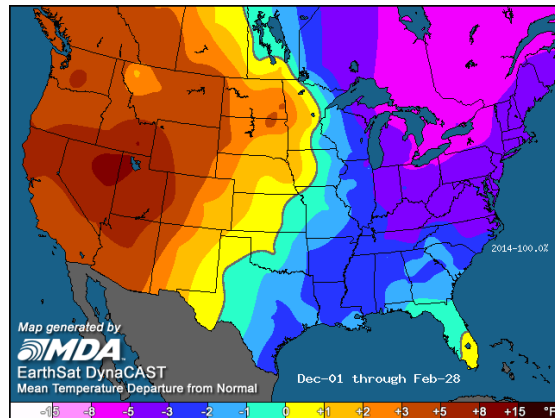


Preliminary Winter 2014-15
Temperature Outlook

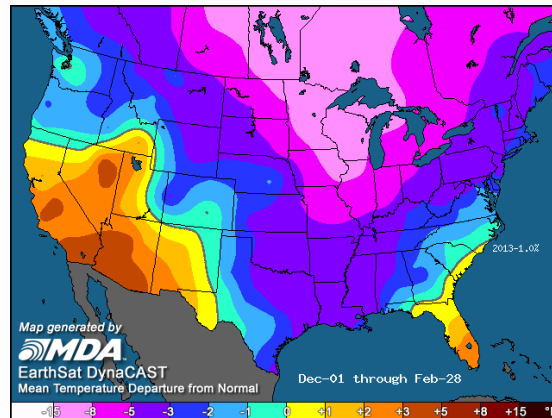


Winter 2014-15
Temperature Outlook

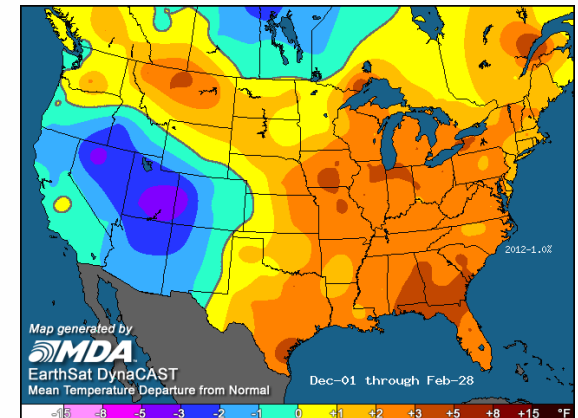
Past Six Winters



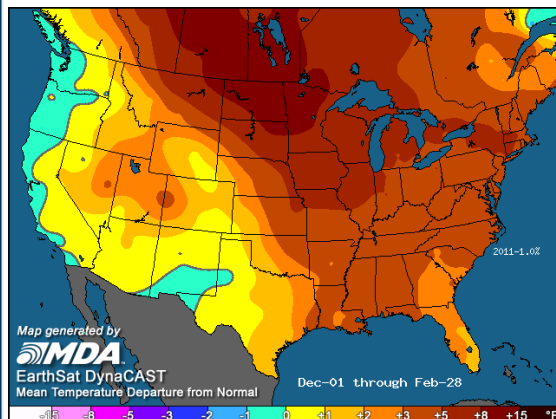
2014-15



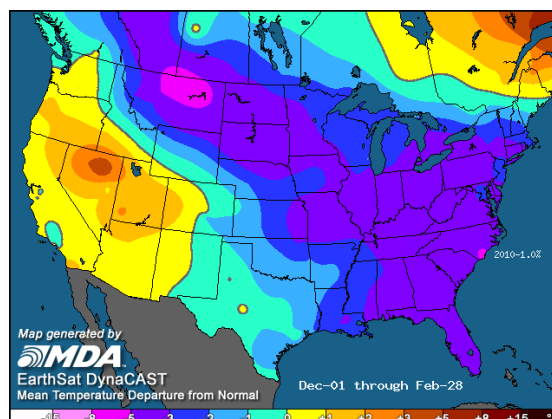
2013-14



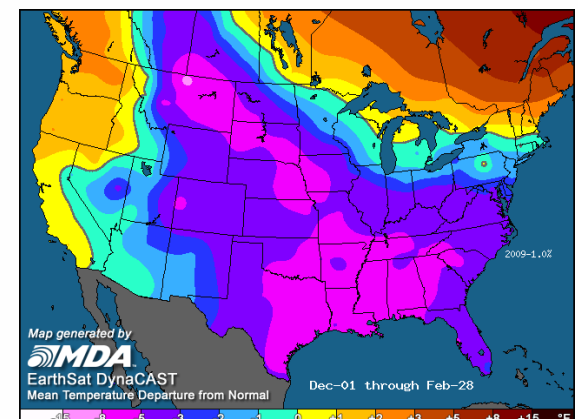
2012-13



2011-12



2010-11

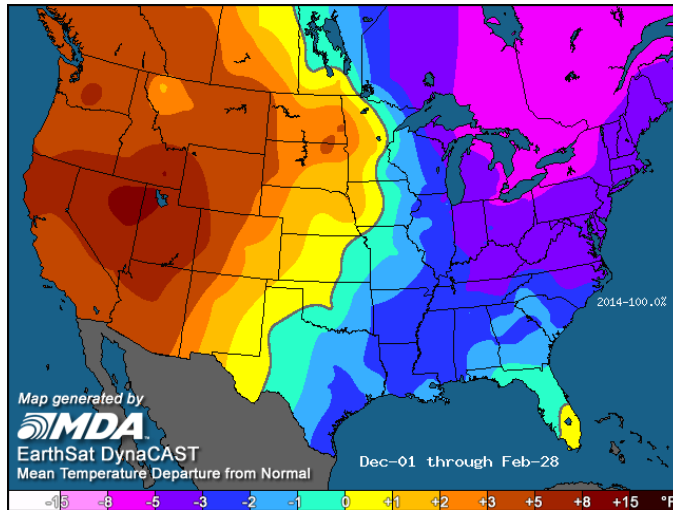


2009-10

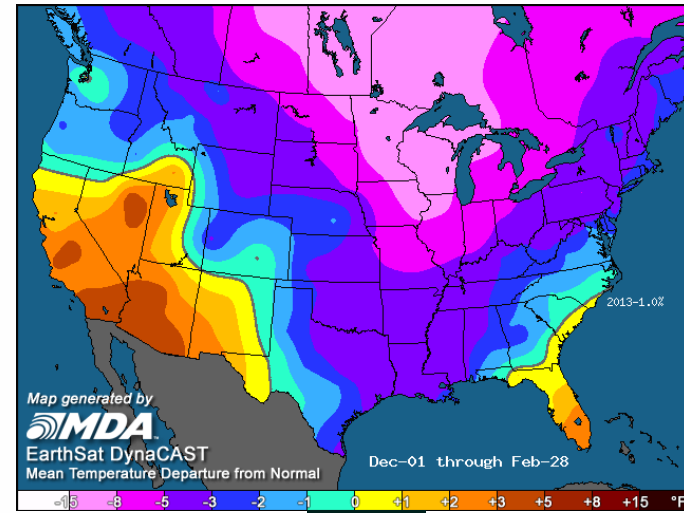


ERCOT and Texas RE Winter Weatherization Workshop
9/1/2015

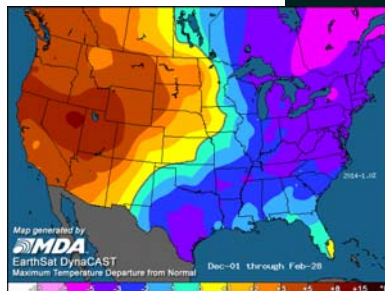
Comparing Winter 2014-15 to Winter 2013-14



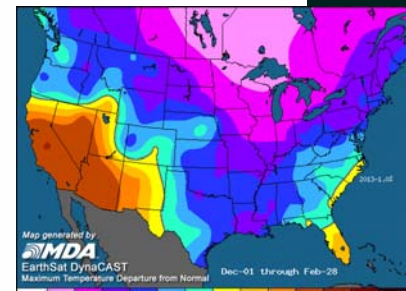
2014-15



2013-14

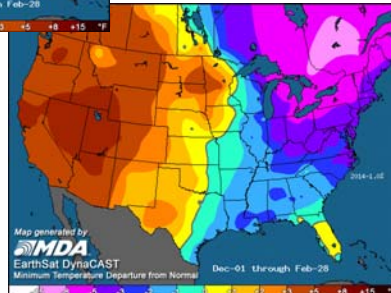


69th
coldest

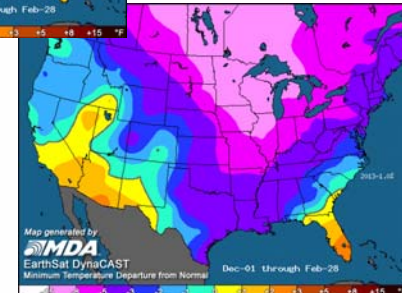


30th
coldest

41st coldest
max;
101st
coldest min

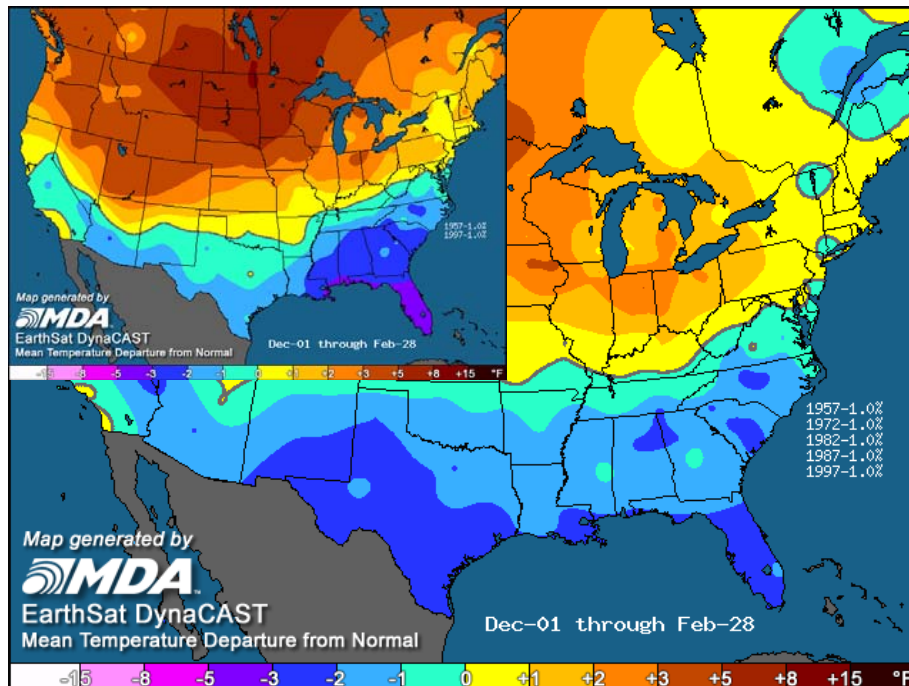


48th coldest
max;
20th coldest
min

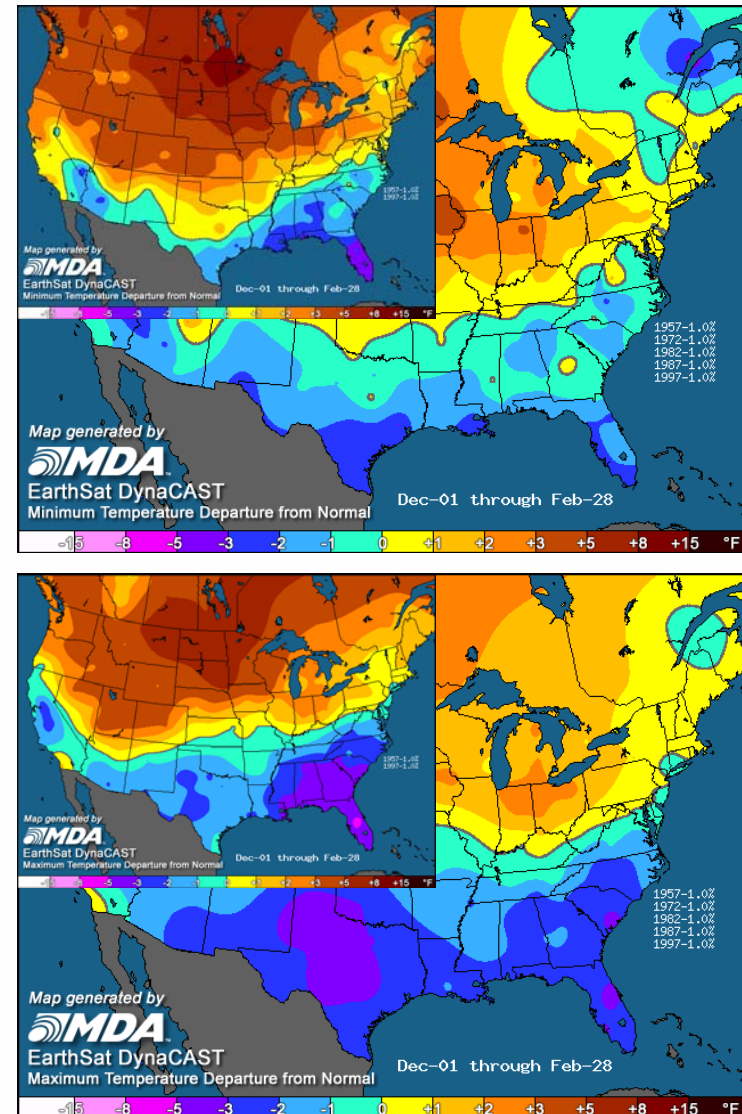


Similar El Niño Winters

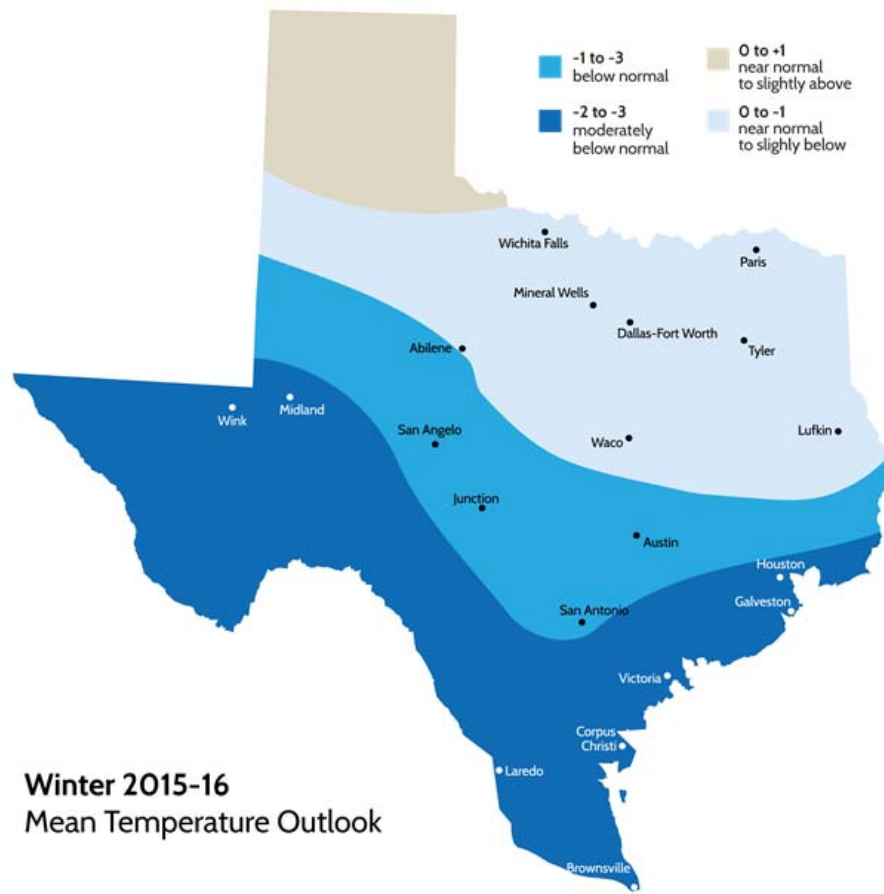
1957-58, 1972-73, 1982-83, 1987-88, 1997-98



1997-98 is a warmer solution
Both '57 and '97 are mild min temperatures



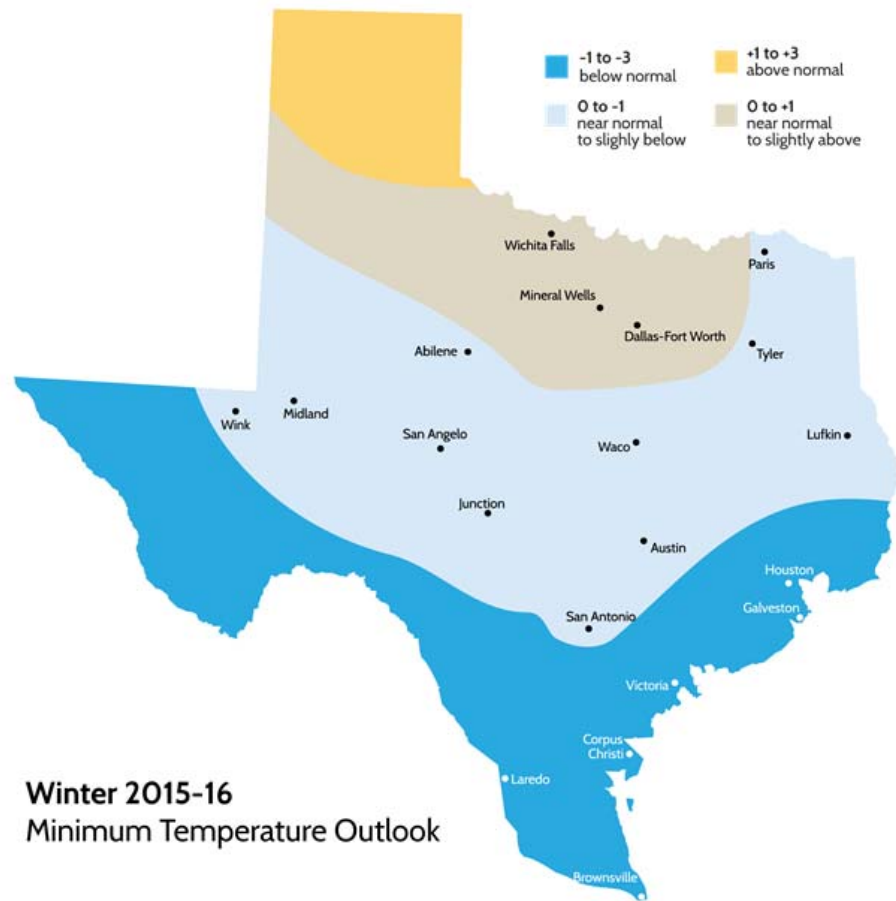
Winter 2015-16 Mean Temperature Outlook



Potentially similar to last winter. More warmer potential than cooler – but TBD.

Coast, South, and West likely below normal.

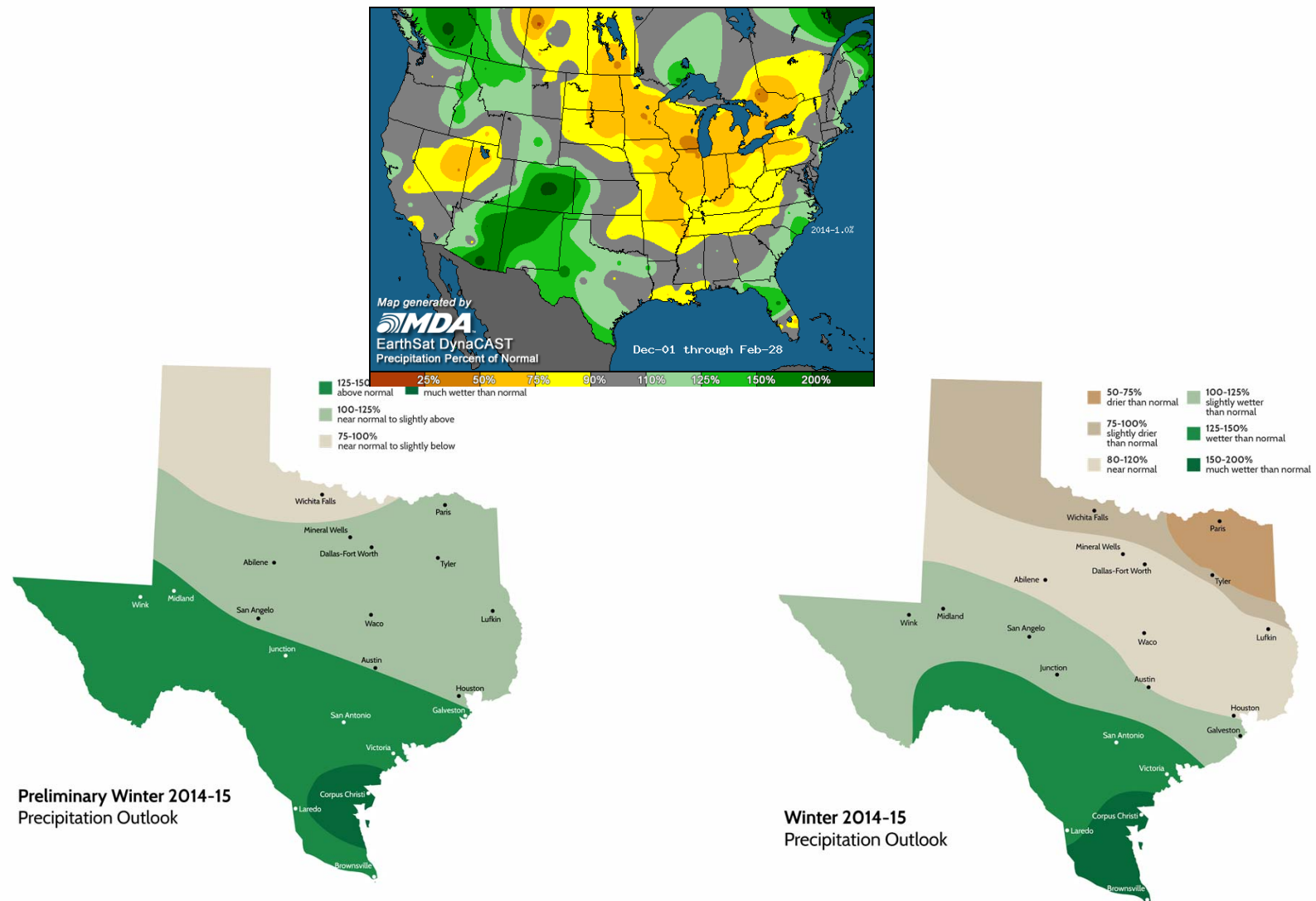
Winter 2015-16 Minimum Temperature Outlook



Winter 2015-16
Minimum Temperature Outlook

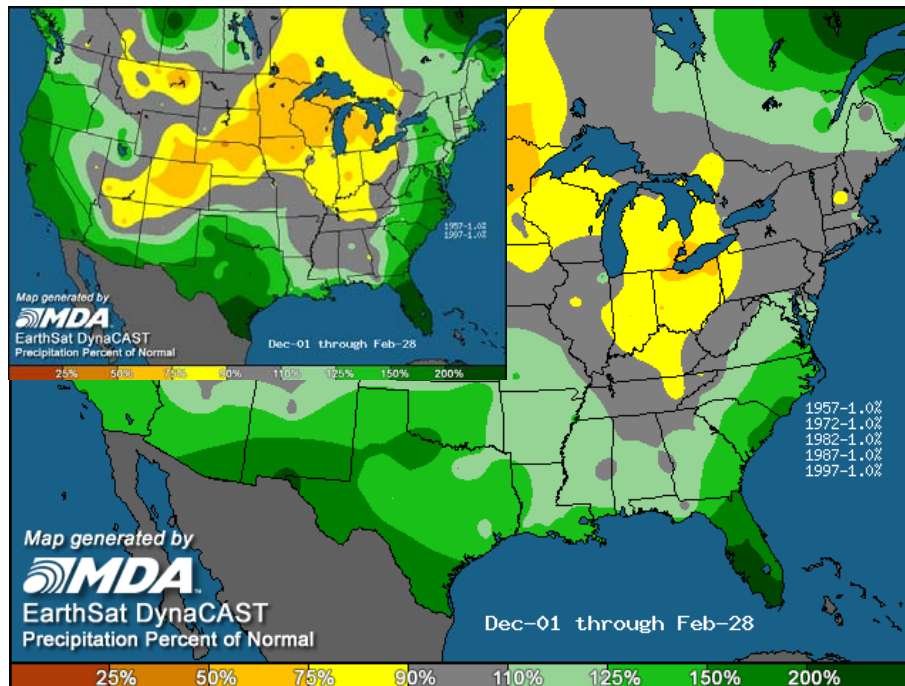
Important to emphasize the daytime highs have more below normal potential than the nighttime/morning lows.

Last Winter's Forecast versus Actual



Similar El Niño Winters

1957-58, 1972-73, 1982-83, 1987-88, 1997-98



1997-98 is a wetter solution

Snow

Dallas

Average: 1.5"

Last Winter: 5.8"

1957-58: 0.9" (Feb)

1972-73: 3.7" (Dec, Jan)

1987-88: 3.5" (Jan, Feb)

1997-98: 0.5" (Mar)

Austin

Average: 0.6"

Last Winter: 0.0"

1957-58: 0.3" (Feb)

1972-73: 0.6" (Feb)

1987-88: 0.0"

1997-98: 0.0"

San Antonio

Average: 0.7"

Last Winter: 0.0"

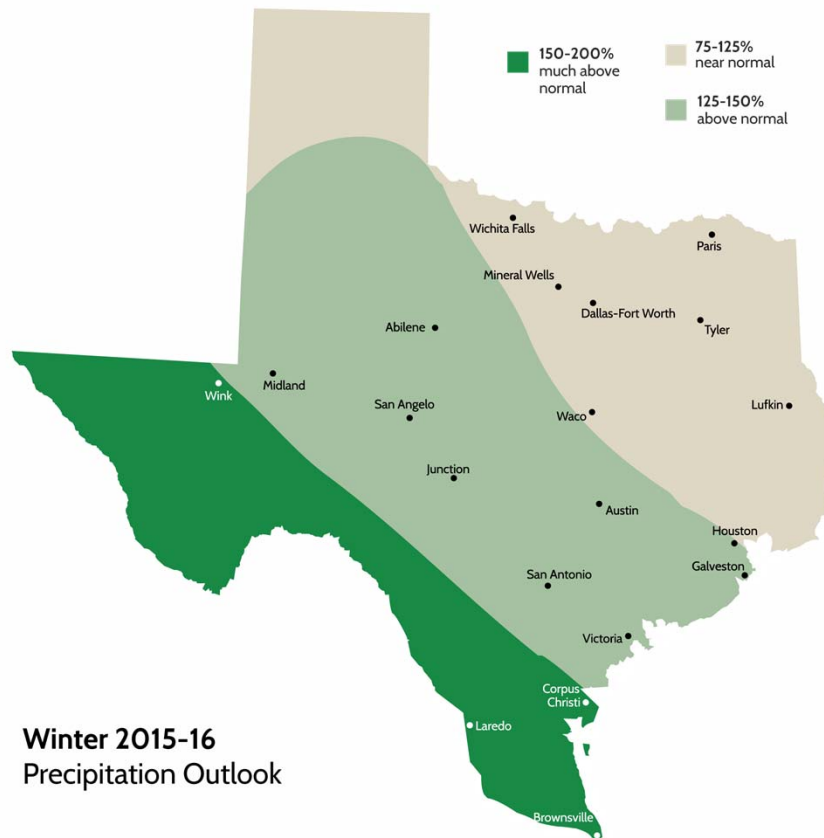
1957-58: 1.5" (Nov, Feb)

1972-73: 2.9" (Jan, Feb)

1987-88: 1.4" (Jan, Feb)

1997-98: 0.0"

Winter 2015-16 Precipitation Outlook



Winter 2015-16
Precipitation Outlook

Overall, wetter than last winter and much wetter than the previous winter.

North Central, East, and Panhandle have both wetter and drier potential

Winter Forecast Summary



Final Forecast
will be published
by November 2
on website



Overall, a wetter than normal winter is expected.

Best opportunity for above normal precipitation will be South and West.

Both drier and wetter potential Panhandle, North Central, and Northeast.

Preliminary temperature forecast has both warmer and cooler potential.
More similar to last winter than winter 2013-14.

Minimum temperatures not likely bitterly cold. Daytime highs have more potential below normal impacts.

Coast and South have greatest below normal potential. North and West have greatest above normal potential.



The Blob!

