

November 2015 Weather Digest

Weather Summary

November In Pictures

Special Features

**Temperature &
Precipitation**

Severe Weather



November 2015 Weather Summary

Despite a strong El Niño pattern in place over much of the country, southern New Mexico and far west Texas did not reap the usual benefit of above normal rainfall. Except for a small stretch of the Rio Grande Valley from Las Cruces to eastern Sierra County, the remainder of the area saw below normal rainfall totals.

There were several storm systems that traveled through the area, but most of them remained north over northern New Mexico. This pattern usually brings little or no rain, and a lot of wind. On November 10th and 11th, a Pacific storm system moved through. Very little precipitation was associated with this system but it did bring strong winds and lowland blowing dust to the area. Another strong Pacific storm moved across on the 16th and 17th. This system stayed a bit further south and so was able to create isolated showers across the area. Most of the mountain areas above 7000 feet saw their first measureable snowfall of the season, while also bringing quite strong winds again. San Augustin Pass, which is just east of Las Cruces, saw a peak wind of 93 mph on the 17th. On the 25th-28th, one last Pacific storm system moved in. This one was further south and very slow moving, allowing tropical moisture, including remains of Tropical storms Rick and Sandra, to stream into the area. Widespread showers fell through much of this period, with some local heavy rain, especially over the Sacramento Mountains.

November 2015 Weather Summary (cont'd)

Looking at temperatures, the average daily temperatures on the whole were a bit above normal. While daily high temperatures were near normal, daily low temperatures were significantly warmer than normal, which accounted for most of this warmer than normal statistic. November usually witnesses the last of the seasonal first freezes and that was the case again this month. While the mountain areas were late with their first freezes, the lowlands were near normal. Clear skies on the 6th allowed most of the Gila Region and the lowlands west of the Rio Grande Valley to freeze, while on the 12th the remainder of the area east of the Rio Grande Valley froze. The larger urban areas of El Paso and Las Cruces took about one week longer to see freezing temperatures.

Windstorm November 16



El Paso

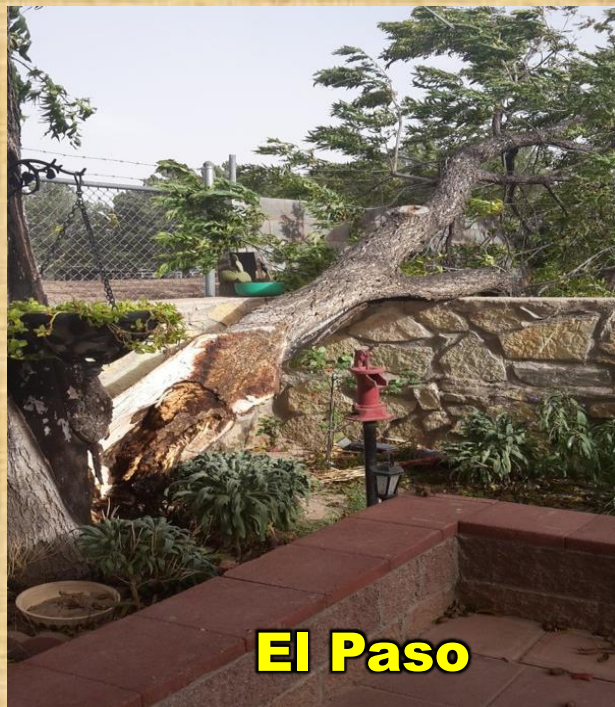


El Paso

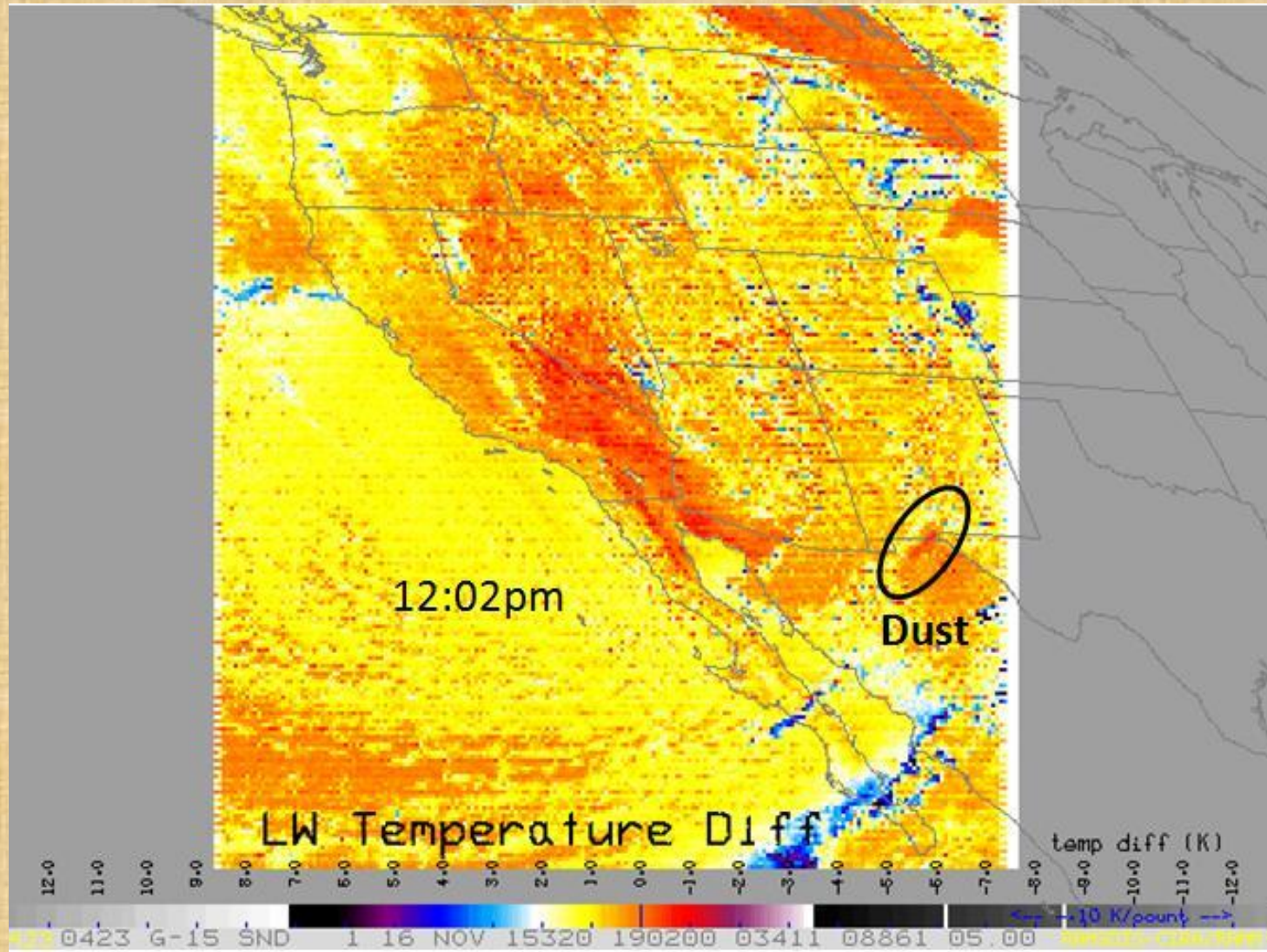


El Paso

More Windstorm November 16



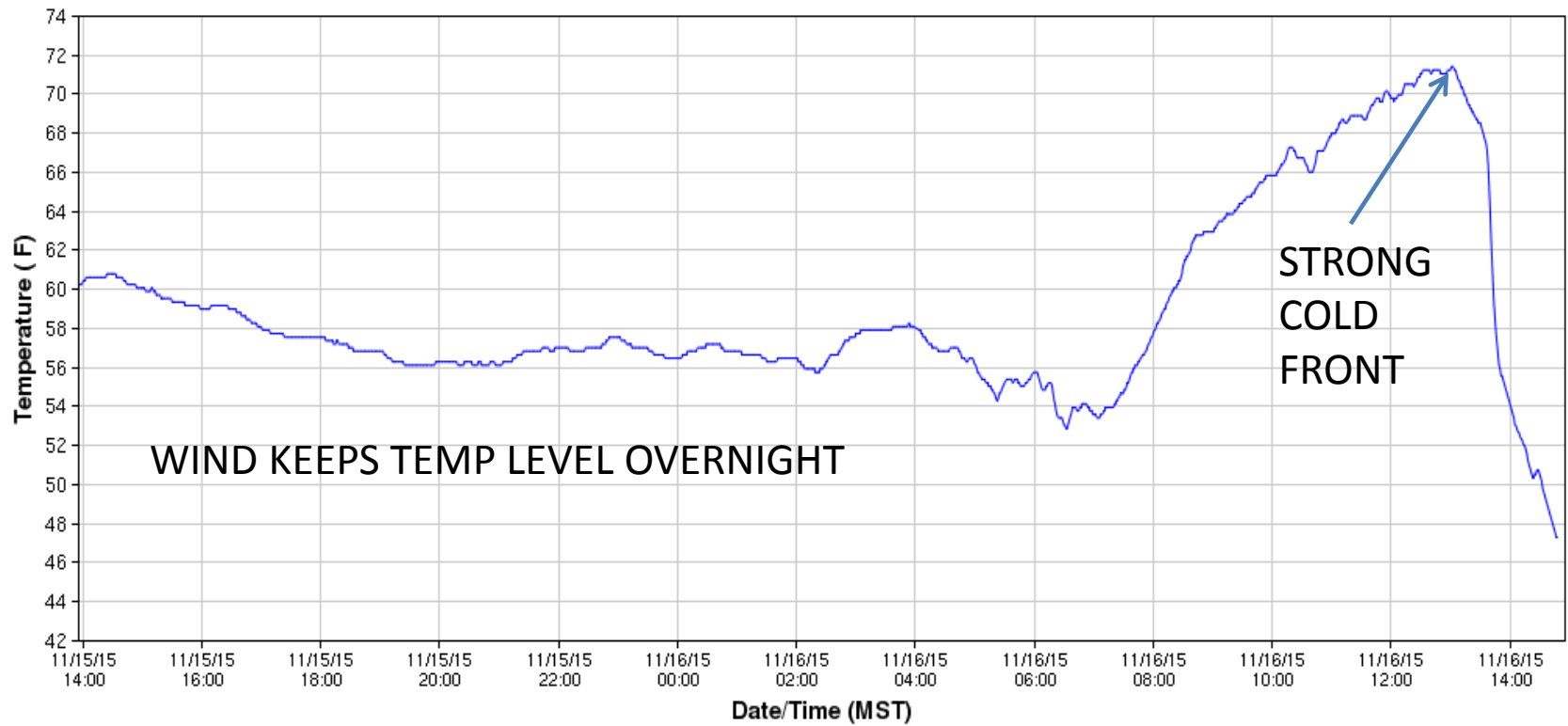
Dust in Weather Satellite Images November 16



El Paso Fog Nov 28



Santa Teresa NWS RSOIS (NWSEP) - Temperature

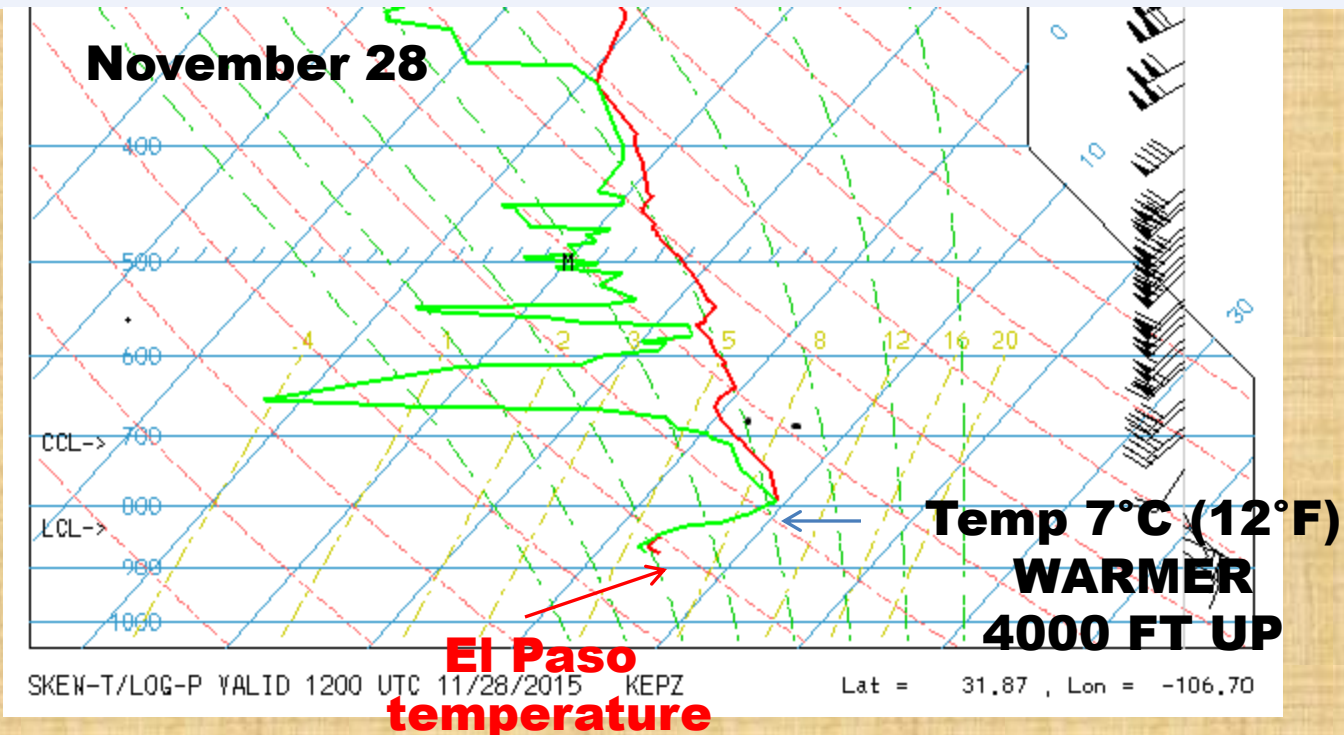


That's why they're called temperature inversions

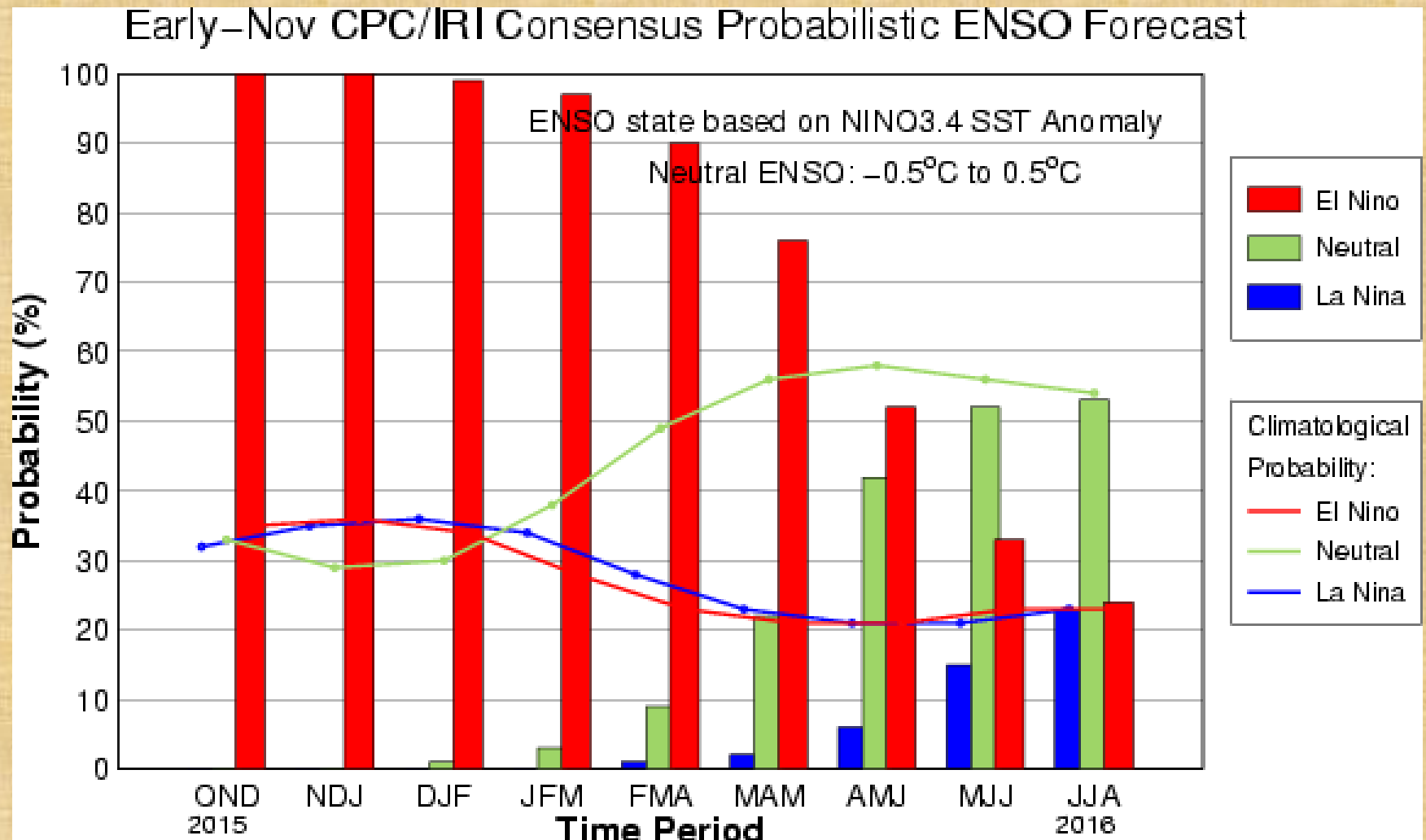


NWS El Paso @NWSEIPaso · 1h

Temperature inversion in place allowing Cloudcroft to warm to 48 deg with sun while El Paso is still 43 degrees and cloudy #nmwx #txwx.



ENSO Forecast from 2015

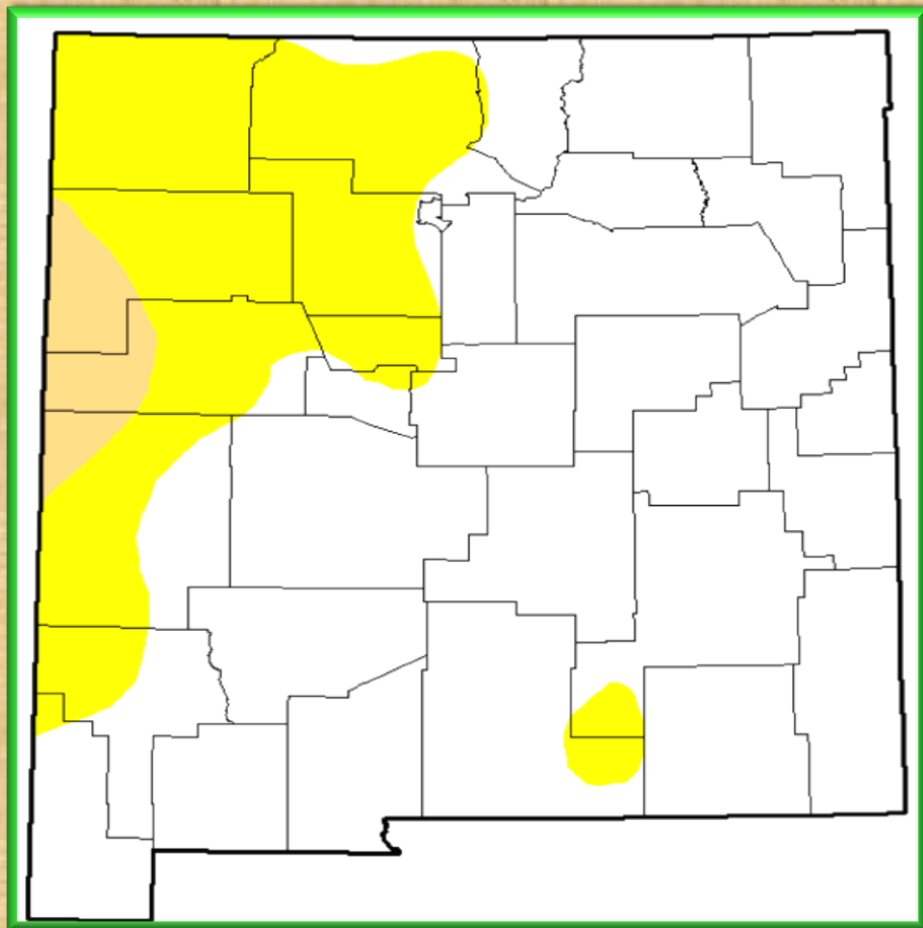


STRONG EL NINO CONTINUES...FORECAST INTO SPRING OF NEXT YEAR.

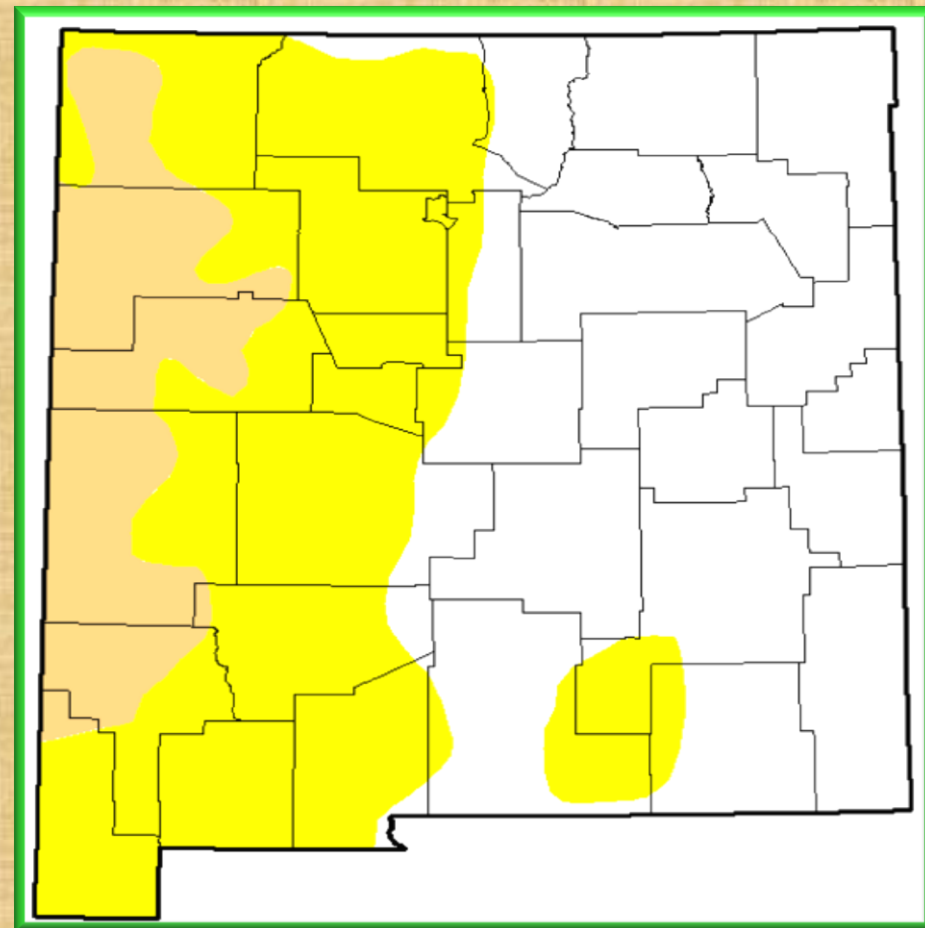
Current drought conditions for New Mexico and 3 month change

- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4






November 24, 2015

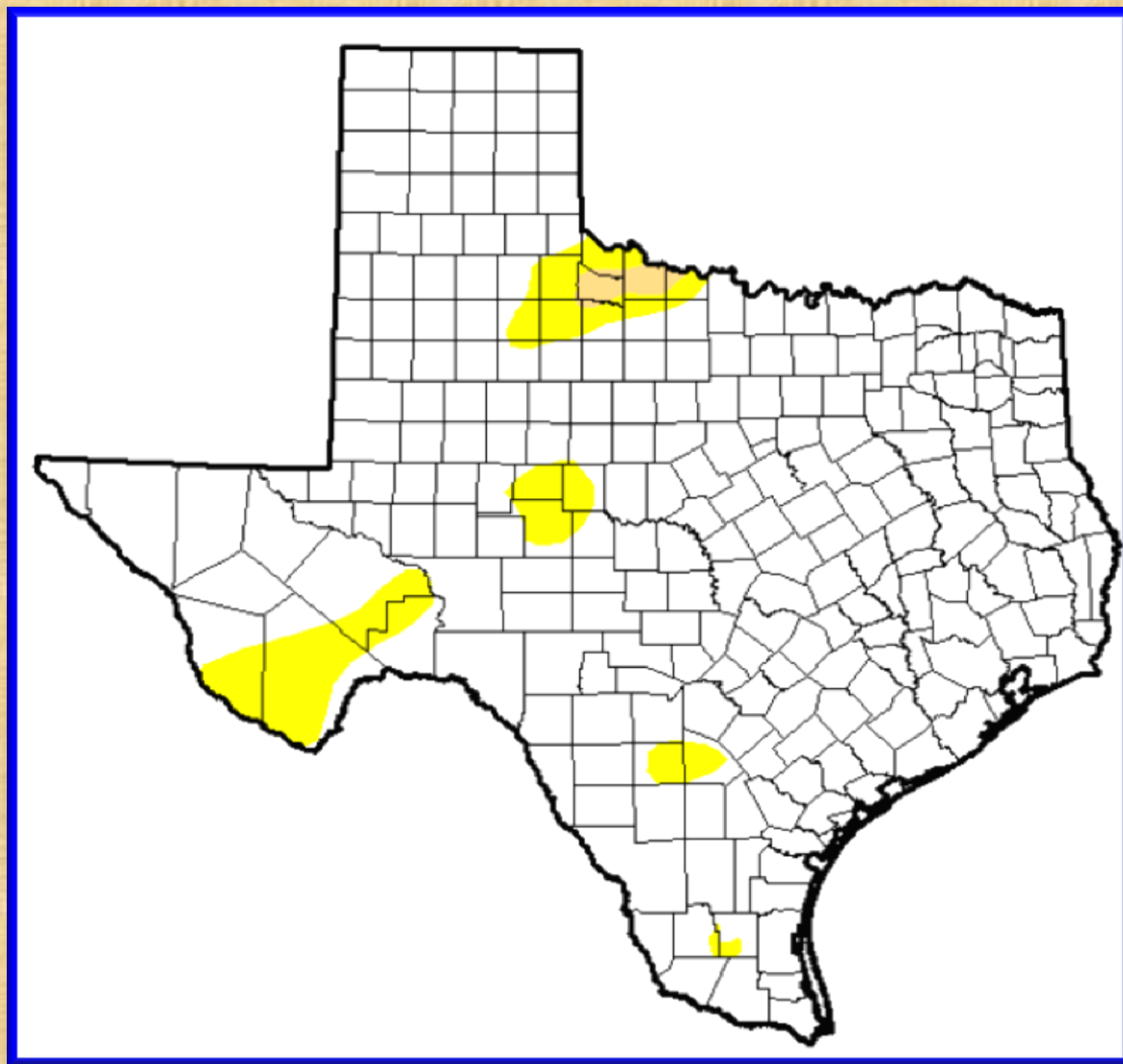


August 25, 2015



Current drought conditions for Texas as of November 24, 2015

- Intensity:
-  D0 - Abnormally Dry
 -  D1 - Moderate Drought
 -  D2 - Severe Drought
 -  D3 - Extreme Drought
 -  D4 - Exceptional Drought

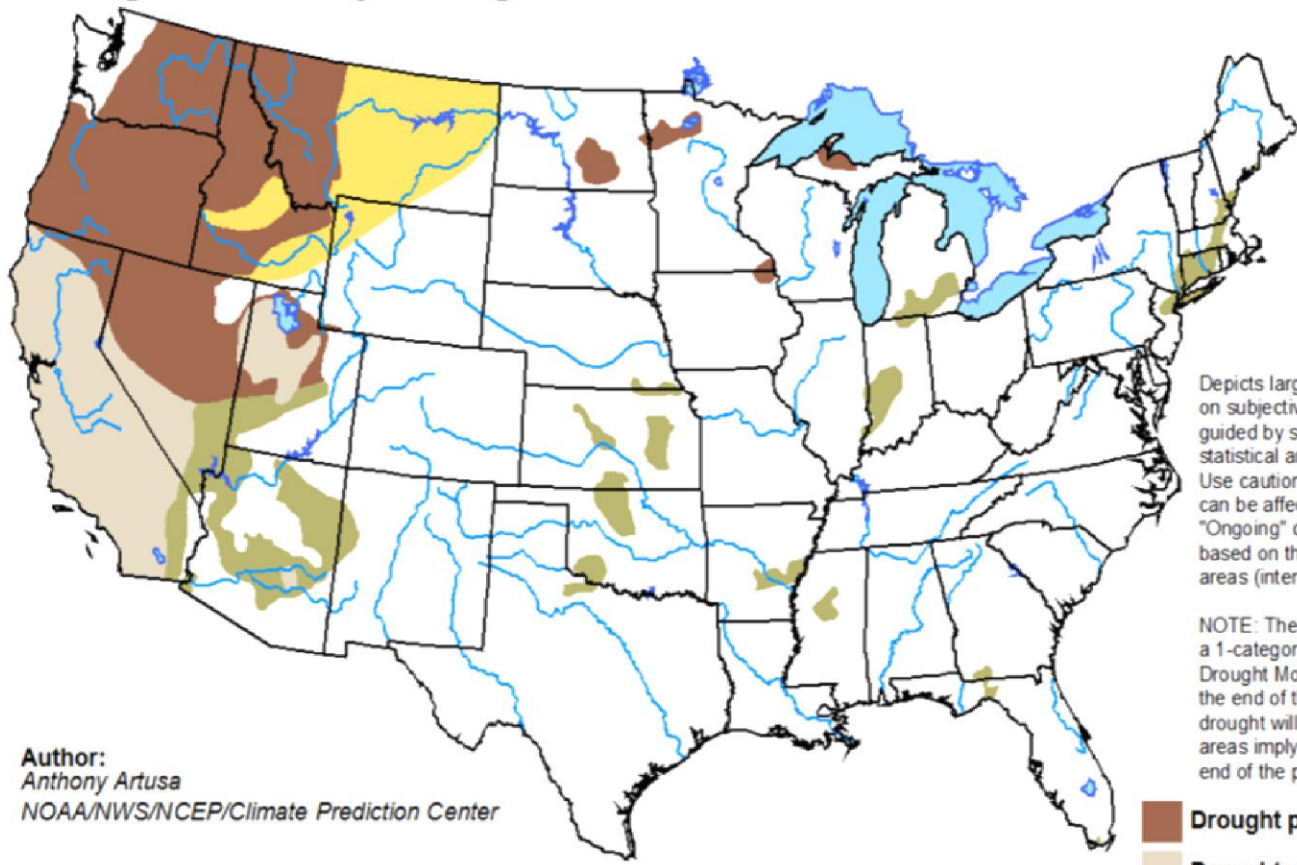


Build your own custom slider maps here at:

<http://droughtmonitor.unl.edu/MapsandData/ComparisonSlider.aspx>

U.S. Seasonal Drought Outlook Valid for November 19 - February 29, 2016

Drought Tendency During the Valid Period Released November 19, 2015

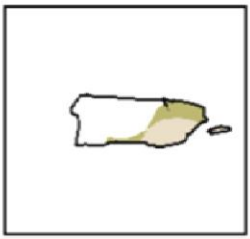
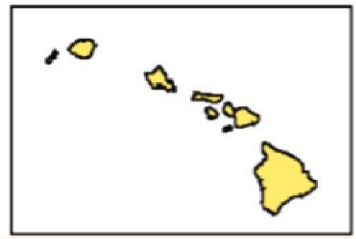
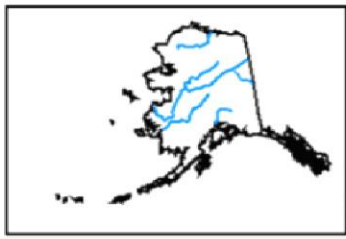


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

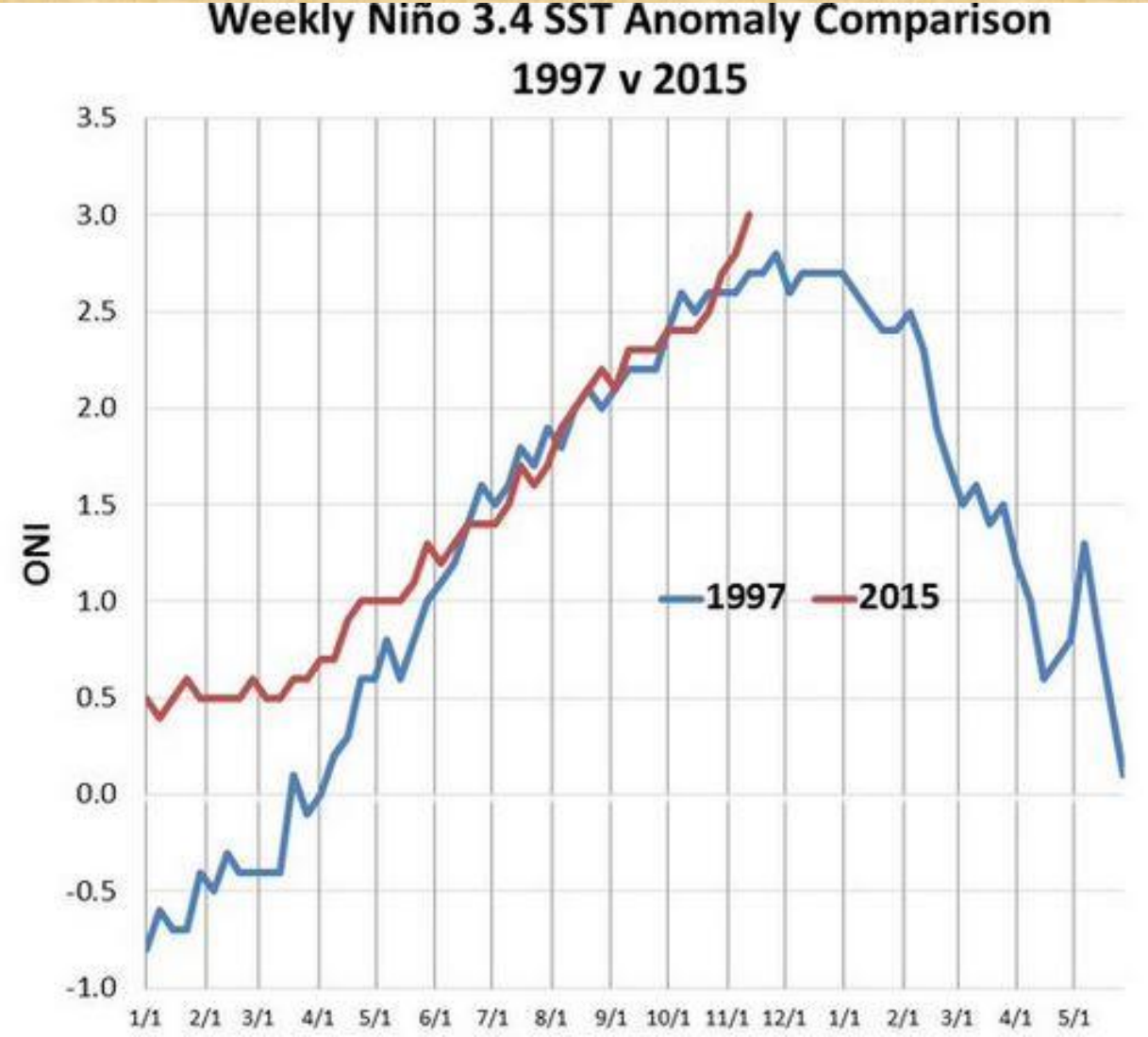
Author:
 Anthony Artusa
 NOAA/NWS/NCEP/Climate Prediction Center

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZ73>

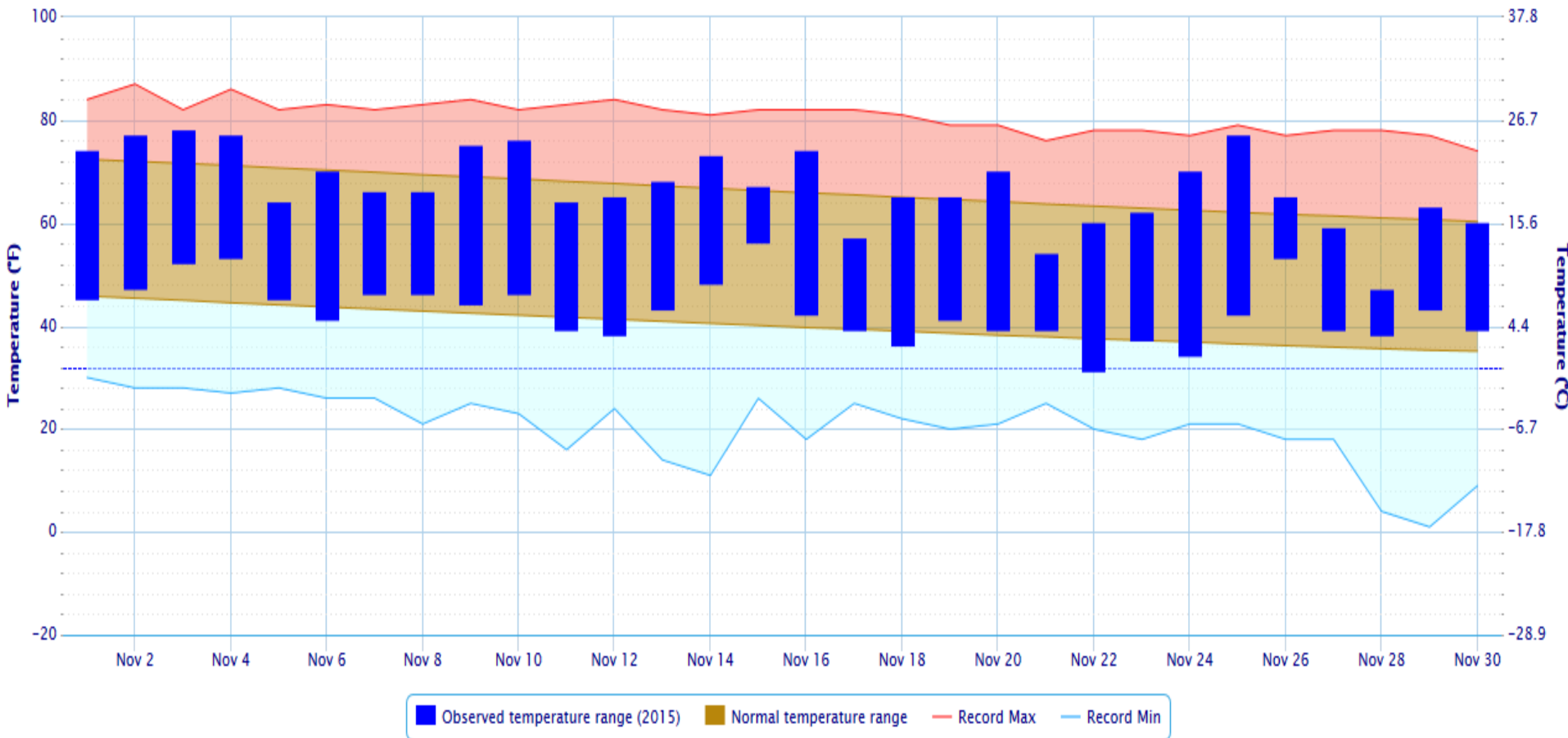
EL NINO CONTINUES TO MAX OUT



Daily temperature data for November in El Paso

Daily Temperature Data - EL PASO INTL AP, TX

Period of Record - 1942-12-01 to 2015-12-01. Normals period: 1981-2010. Click and drag to zoom chart.



2015 temperature/precipitation data through November for El Paso



El Paso TX - 2015

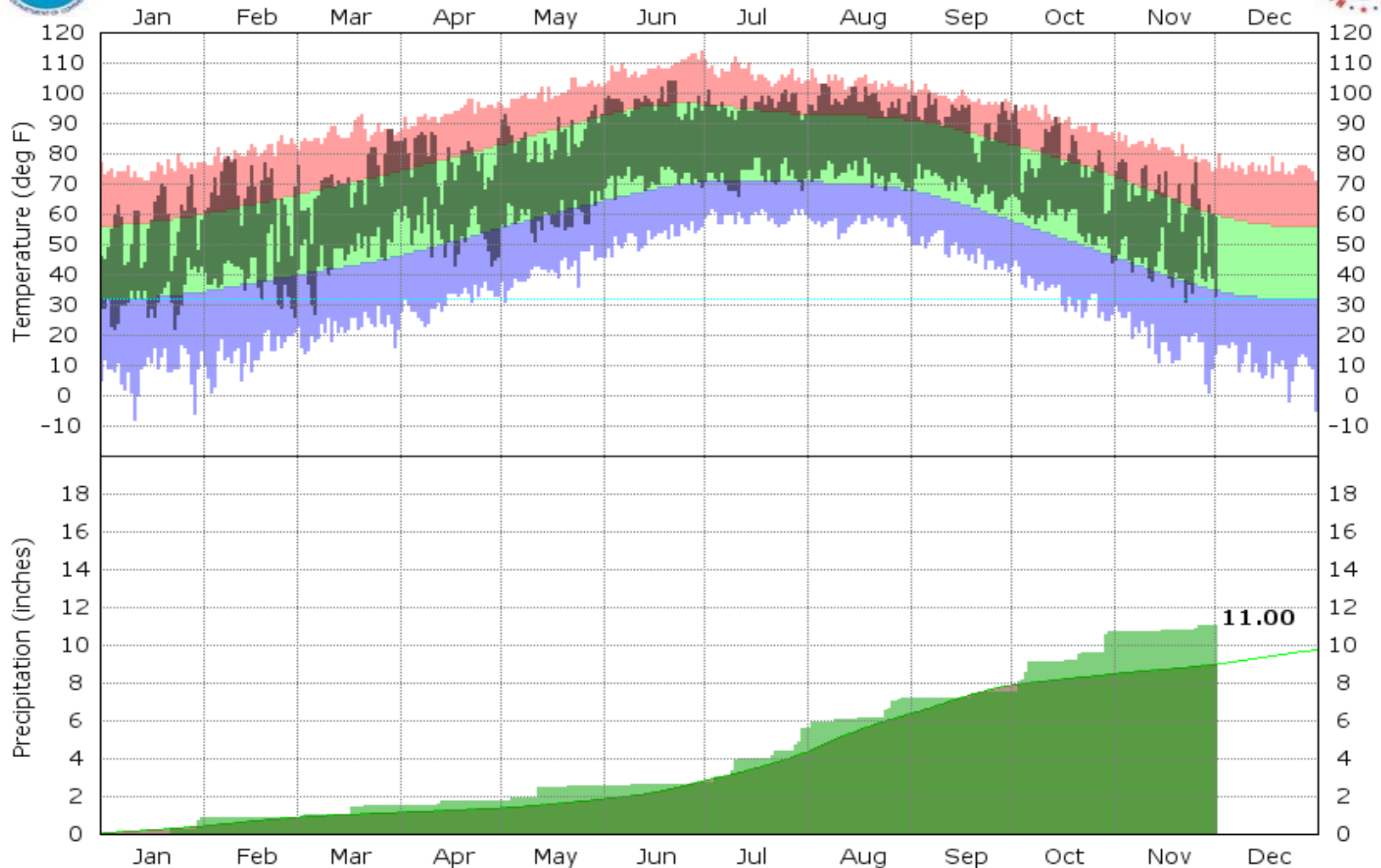
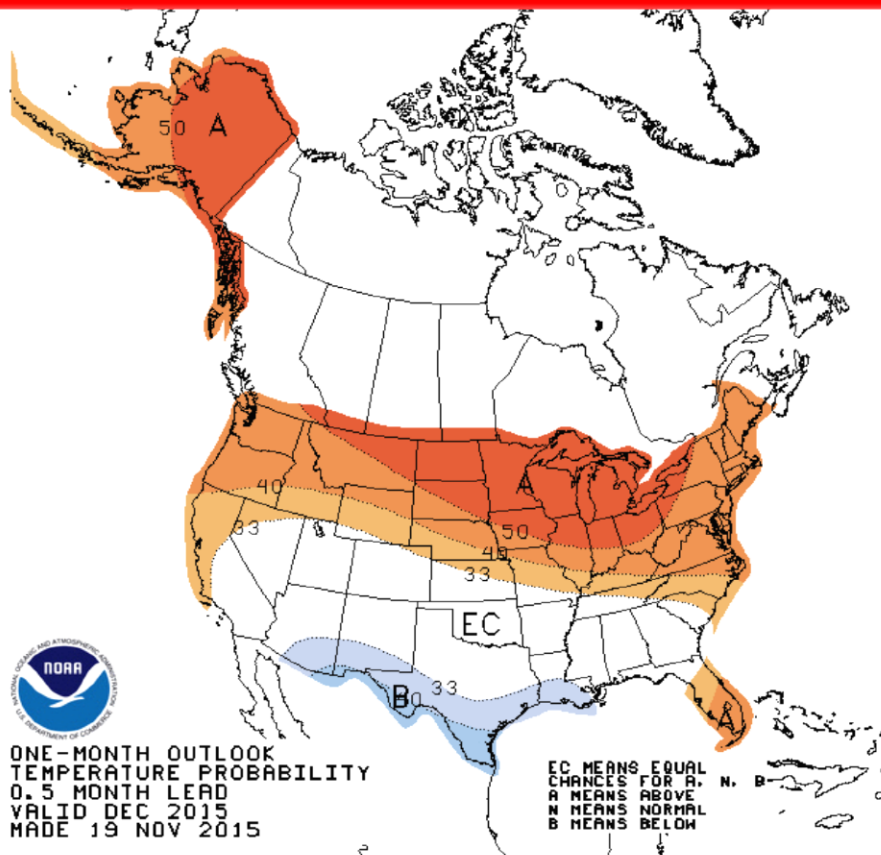


Image created: Wed, 2 Dec 2015 13:08 GMT+00:00

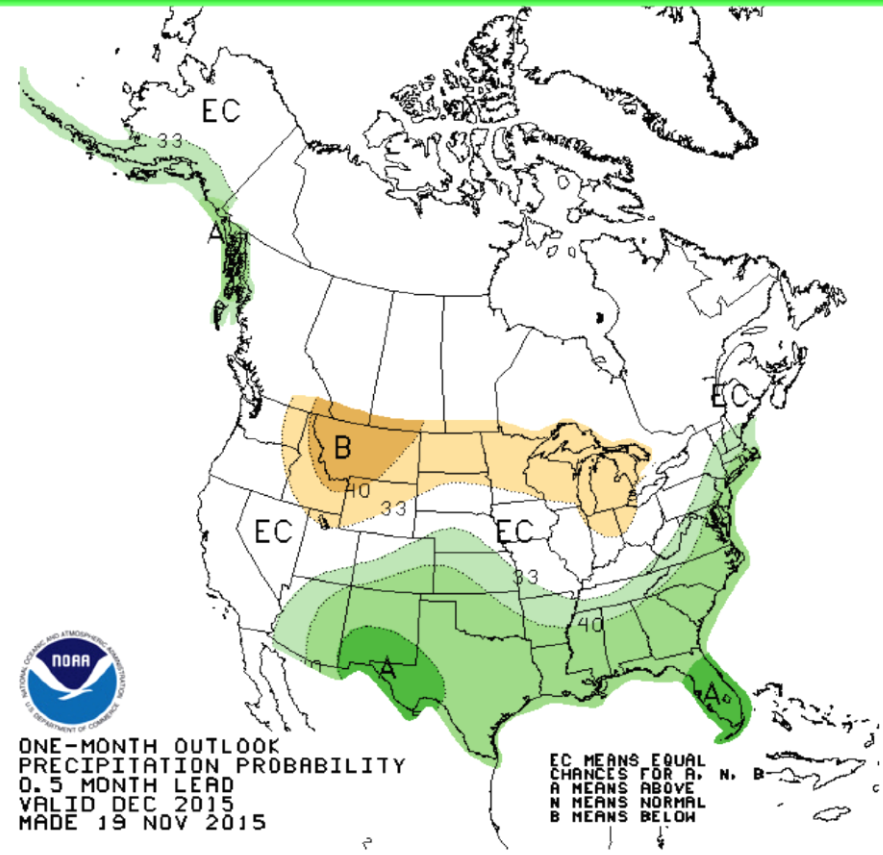
Temperature and Precipitation Plot for El Paso, Texas for 2015

Temperature and precipitation outlook for December 2015

Temperature

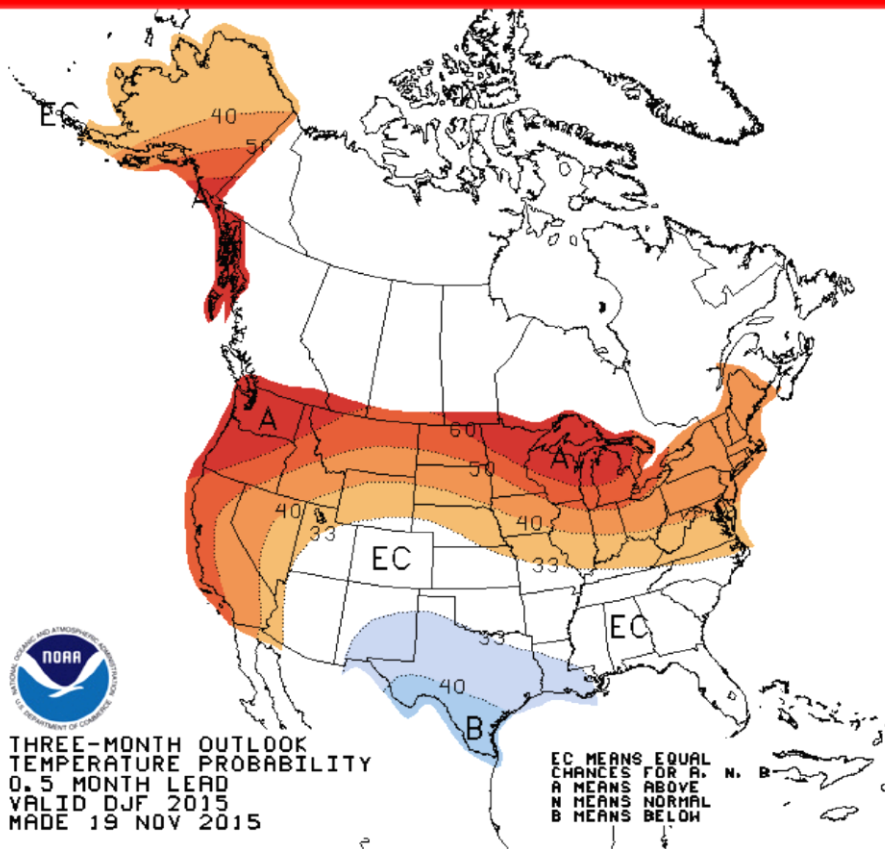


Precipitation

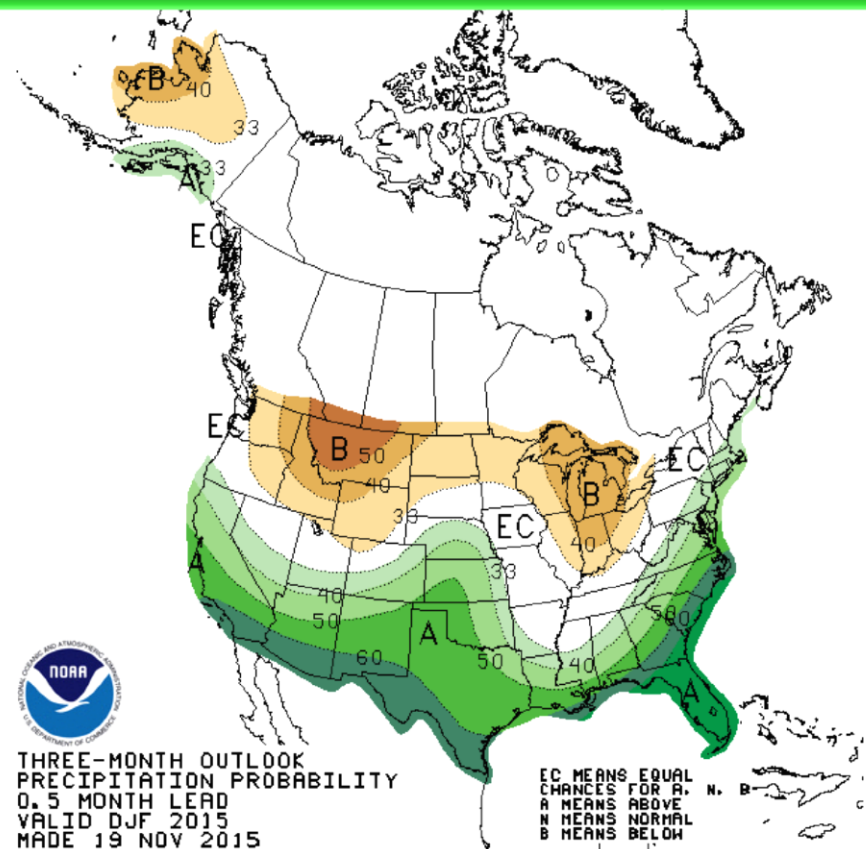


Temperature and precipitation outlook for Dec - Feb 2015

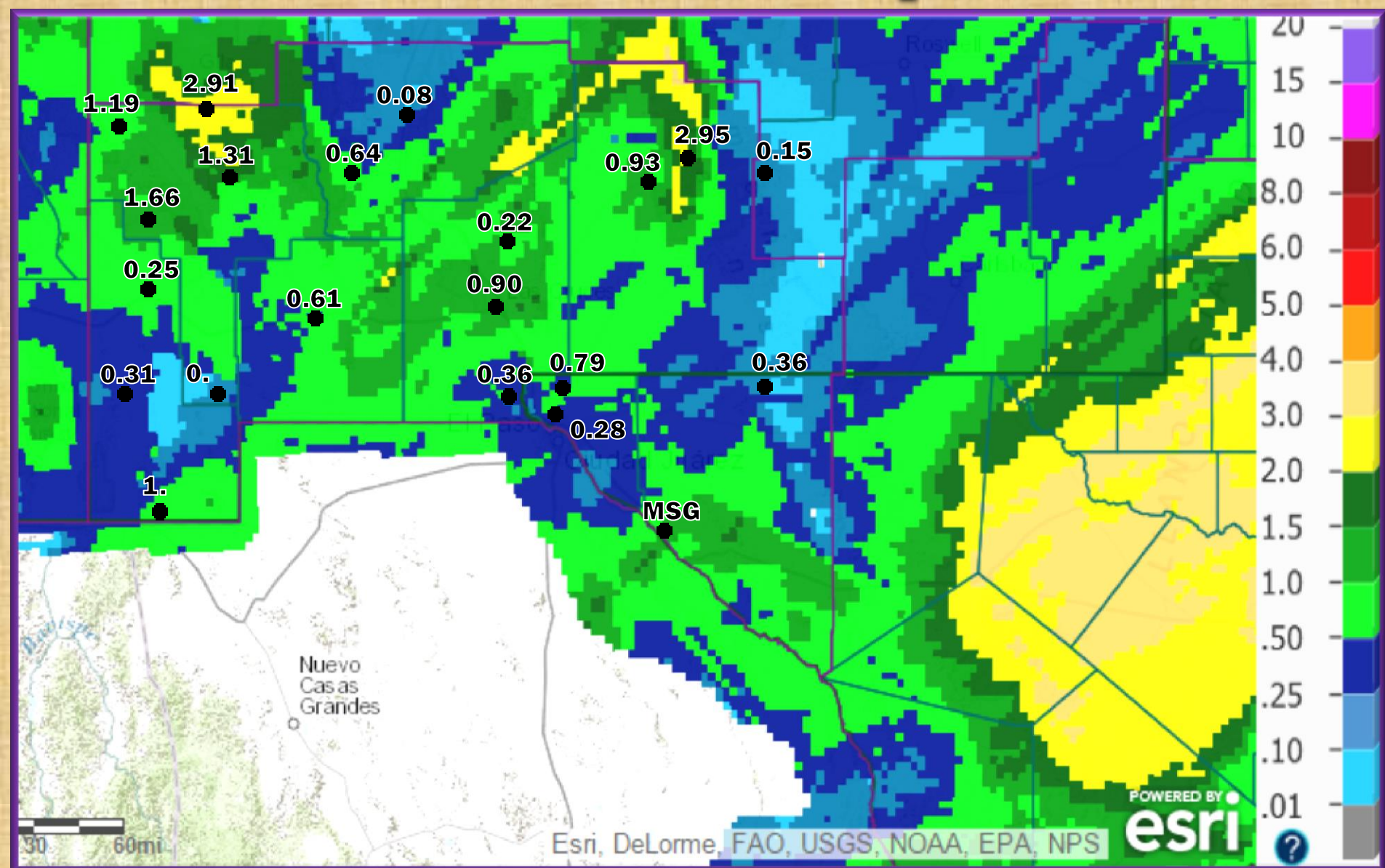
Temperature



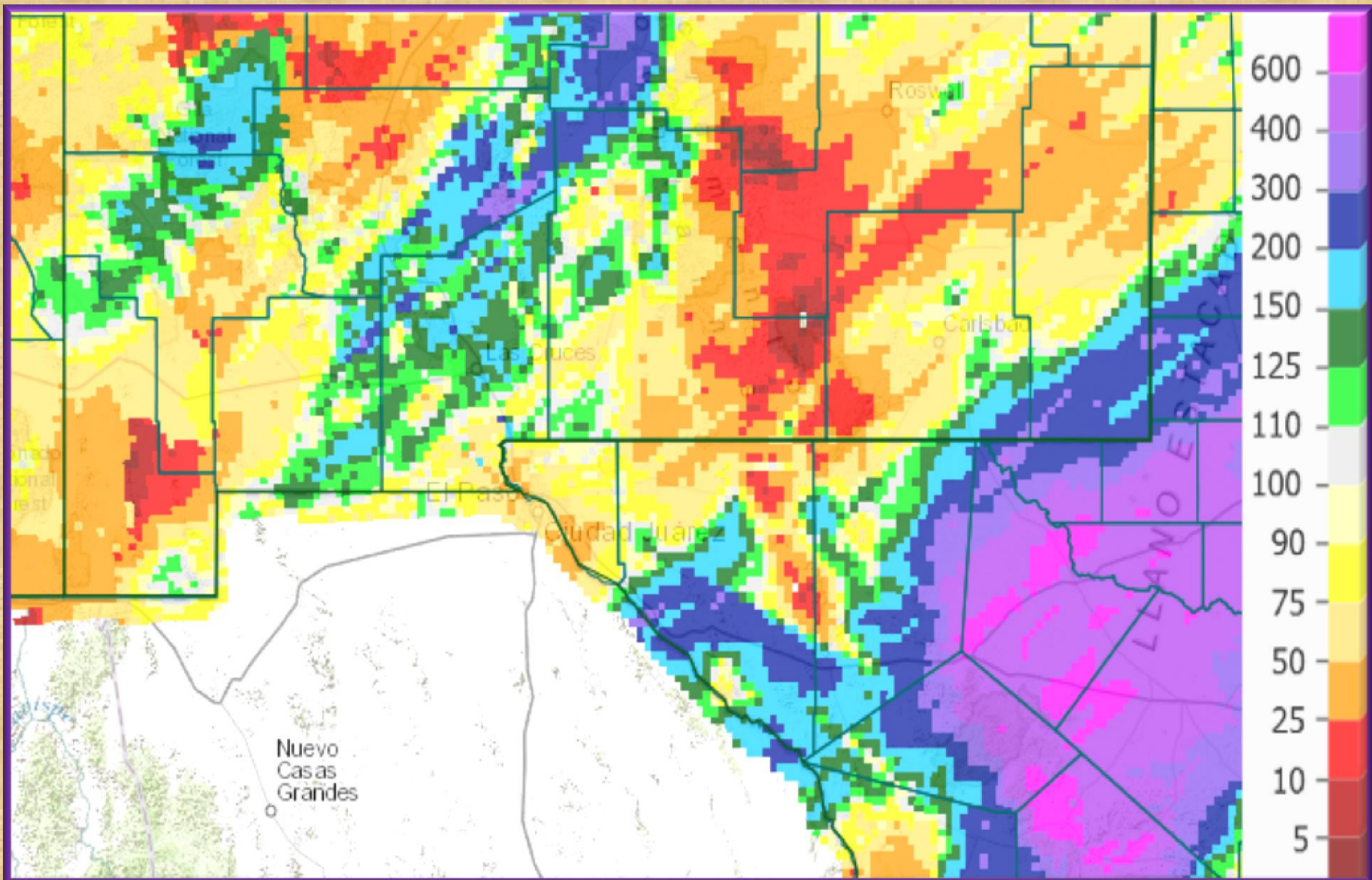
Precipitation



October 2015 radar rainfall estimate with surface rainfall reports



November 2015 Radar Rainfall Estimate (Percent of normal)



Special Features

<http://www.srh.noaa.gov/epz/?n=elpwindrosedata>

Month: NOVEMBER

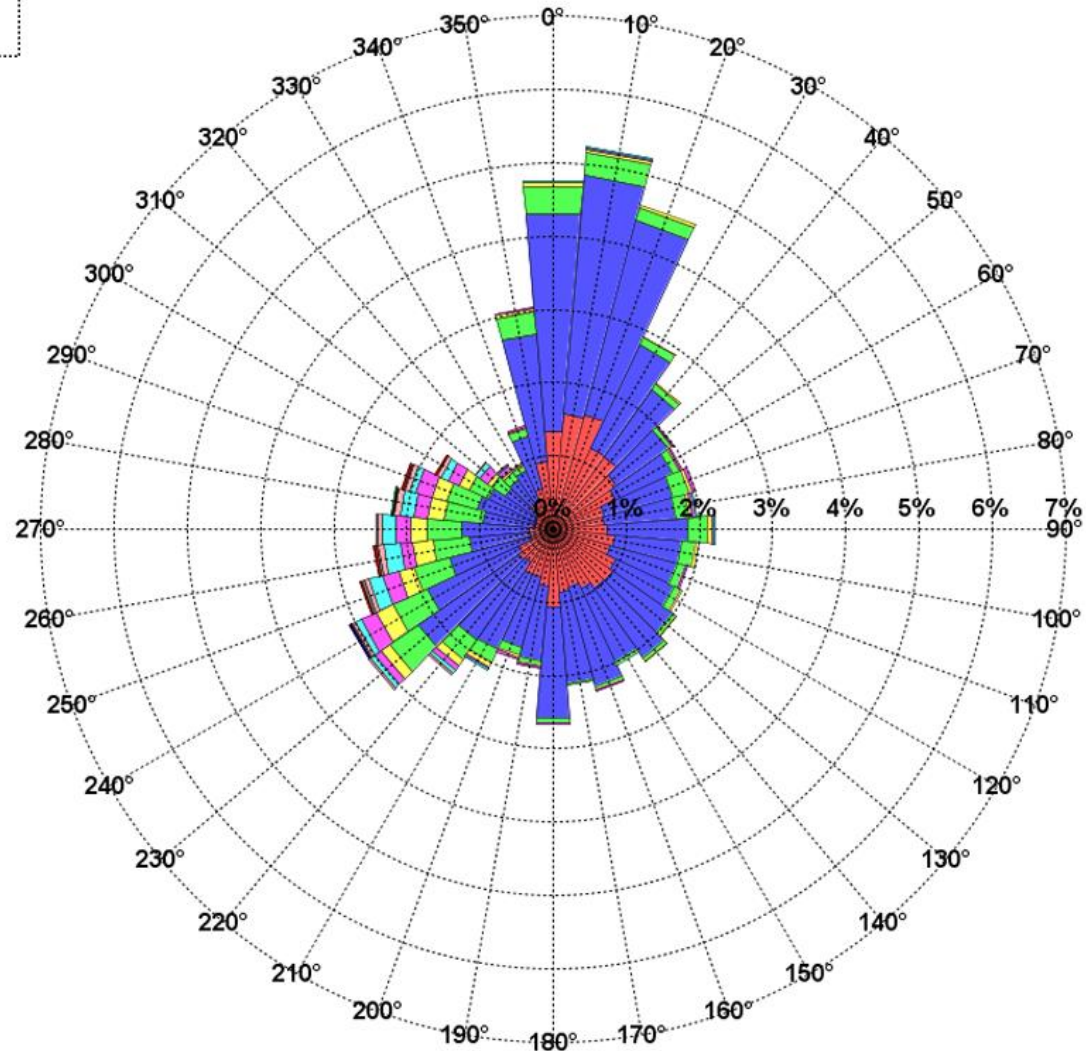
Calm: 12.23%

Variable: 2.30%

WindRose - KELP - EL PASO INTL

% Frequency of Wind Speed from a Direction

POR:19730101-20140602



Selected weather reports October 2015

Date/Time	Location (County)	Event
11/11/15 500 AM	9 NE EL PASO	57 MPH PEAK WIND GUST
11/11/15 415 AM	WHITE SAND MAIN POST-OTERO	58 MPH PEAK WIND GUST
11/16/15 846 AM	1 SW HIGH ROLLS-OTERO	56 MPH PEAK WIND GUST
11/16/15 859 AM	12 E REDROCK-GRANT	50 MPH PEAK WIND GUST
11/16/15 930 AM	3 NE RODEO-HIDALGO	54 MPH PEAK WIND GUST
11/16/15 1015 AM	5 NE LAS CRUCES-DONA ANA	53 MPH PEAK WIND GUST
11/16/15 1015 AM	SUNSPOT-OTERO	65 MPH PEAK WIND GUST
11/16/15 1026 AM	DRIPPING SPRINGS-DONA ANA	60 MPH PEAK WIND GUST
11/16/15 1140 AM	15 SW HACHITA-HIDALGO	60 MPH PEAK WIND GUST
11/16/15 1200 PM	2 SE DEMING-LUNA	55 MPH PEAK WIND GUST
11/16/15 115 PM	SAN AUGUSTIN PASS-DONA ANA	97 MPH PEAK WIND GUST
11/16/15 115 PM	6 SE WSMR MAIN POST-OTERO	63 MPH PEAK WIND GUST
11/16/15 135 PM	LAS CRUCES AIRPORT	58 MPH PEAK WIND GUST
11/16/15 145 PM	4 NW OROGRANDE-OTERO	55 MPH PEAK WIND GUST
11/16/15 200 PM	3 SE LA UNION-DONA ANA	54 MPH PEAK WIND GUST

Selected weather reports October 2015

Date/Time	Location (County)	Event
11/16/15 218 PM	5 NW SANTA TERESA-DONA ANA	58 MPH PEAK WIND GUST
11/16/15 224 PM	1 S SUNSPOT-OTERO	66 MPH PEAK WIND GUST
11/16/15 341 PM	5 S ORGAN-DONA ANA	76 MPH PEAK WIND GUST
11/21/15 253 AM	15 NE DELL CITY-HUDSPETH	56 MPH PEAK WIND GUST
11/21/15 447 AM	6 NW EL PASO	52 MPH PEAK WIND GUST