

SEPTEMBER 2015

Weather Digest

Weather Summary

August In Pictures

Special Features

**Temperature &
Precipitation**

Severe Weather

September 2015 Weather Summary

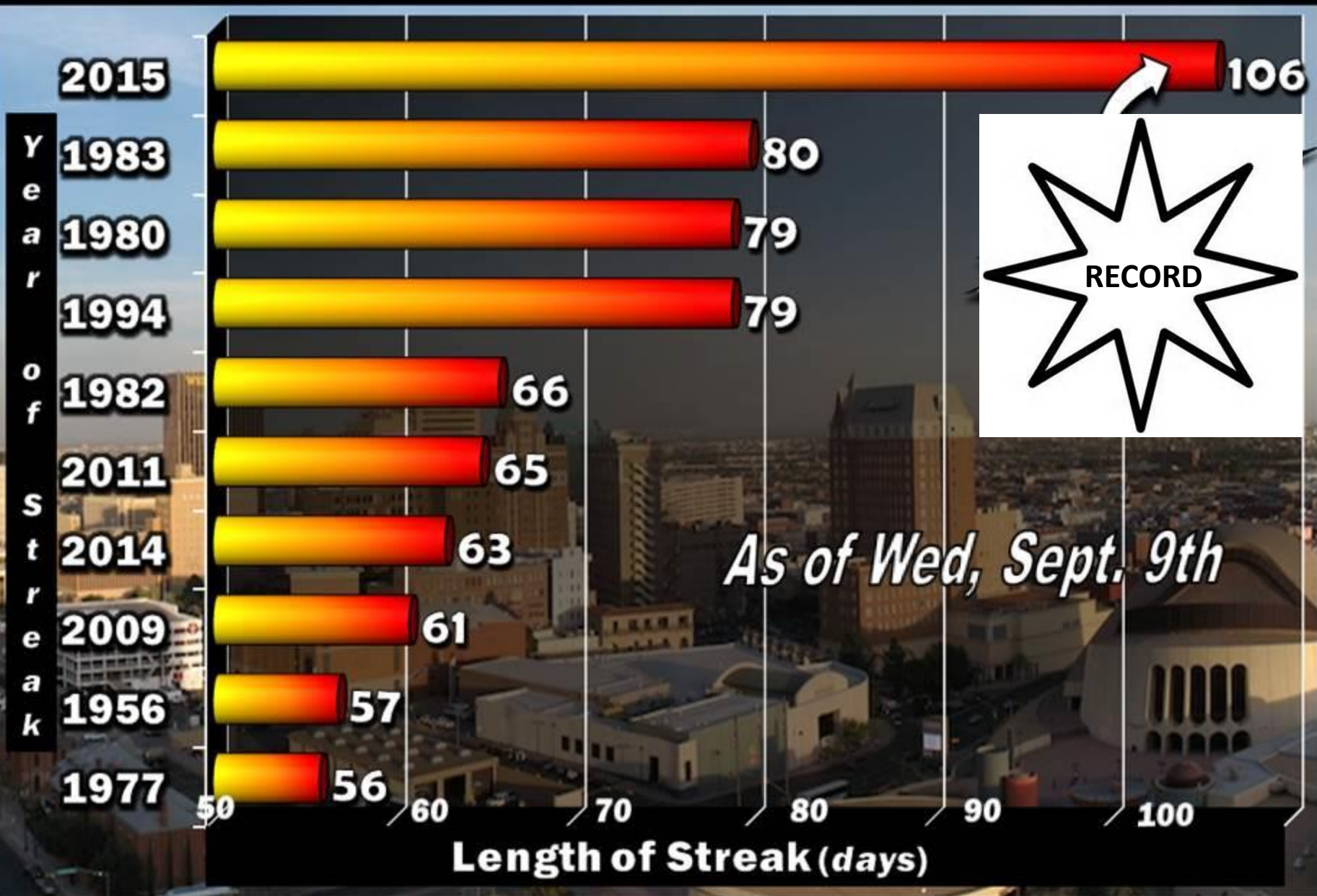
One major characteristic of the month of September is that it signals the end of the monsoon season. While the official end of the season is September 30th, the actual pattern often ends in the first half of the month. This September saw the major monsoon pattern terminate on September 10th as the stronger west flow of the mid-latitudes descended south and finally displaced the subtropical high pressure. This didn't end the rain however, as a couple more brief tropical surges made their way northward over the Borderland over the last half of the month.

September turned out to be much warmer than normal which would signify the influence of the strengthening El Niño pattern, forecast to intensify through this winter. Temperatures at many sites were 2 to 5 degrees above normal. With the warmth, one occurrence that did not take place was the first freeze of the season. Many higher elevations such as Cloudcroft will see their first freeze toward the end of the month, but the our observing network did not show any instances of freezing temperatures occurring.

On the flip side, precipitation was below normal most places except over Hudspeth County and some areas west of the Continental Divide. This is contrary to most El Niño episodes.

Top 10 Streaks

Consecutive 90° Days - El Paso, TX



**Gustnado near our office KEPZ
Santa Teresa on Sep 11. These are
not actual tornadoes, but spin up
along outflow boundaries. They are
not near as strong as tornadoes.**



Flash Flooding near Elephant Butte Nmex September 11.

**Flash flooding near Elephant Butte,
New Mexico on September 11**



Lightning southwest of El Paso on September 16

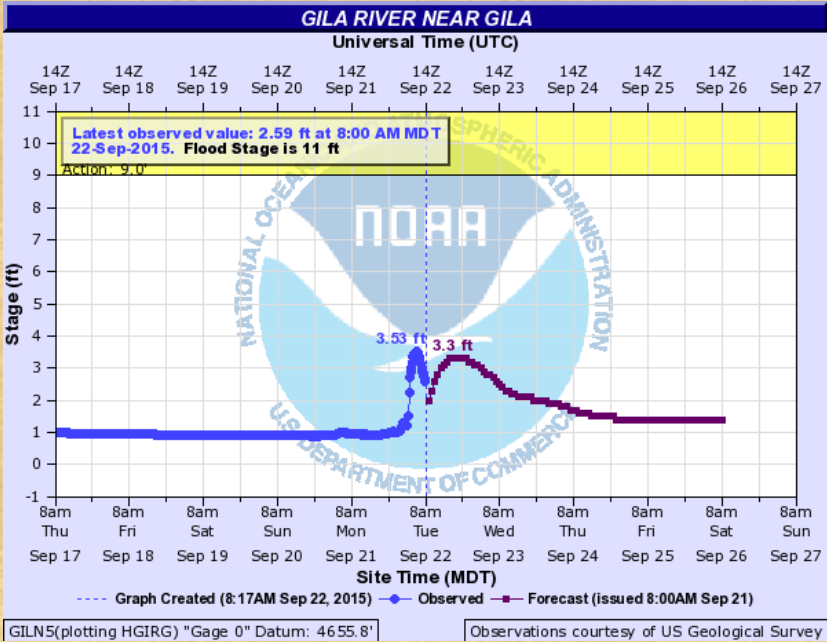


2015 | JORGE L. GARCIA | GARLAPSE
FIND GARLAPSE ON FACEBOOK | TWITTER | VIMEO | YOUTUBE | FLICKR

Dense fog in Cloudcroft on September 20

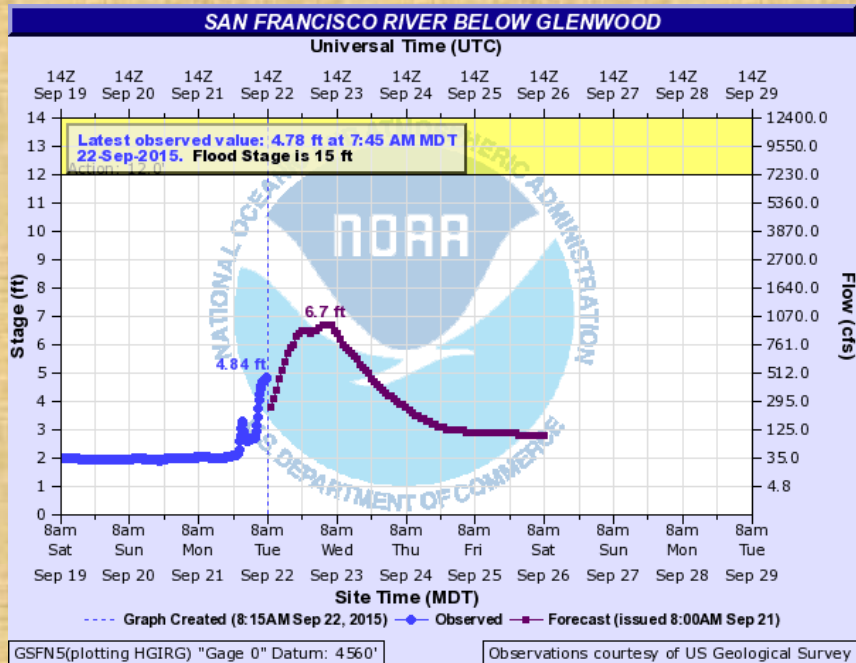
© CloudcroftWebcam.com Sun Sep 20, 2015 07:09:37 AM





Sharp water level rise on the Gila River near Gila September 22

Sharp water level rise on the San Francisco River near Glenwood September 22



Severe thunderstorm near Fabens, Texas September 24

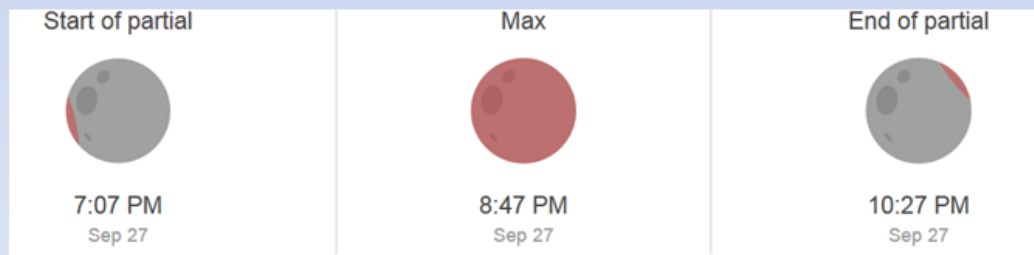




Rare 'Super-Harvest Blood Moon' To Shine On September 27, 2015...

Supermoons occur when the moon reaches its full phase at or near the satellite's closest approach to Earth, and appears abnormally large and bright (~ 14% larger & ~ 30% brighter than ave.). The Sept. 27 event is quite special; the last supermoon eclipse occurred in **1982**, and the next won't take place until **2033**.

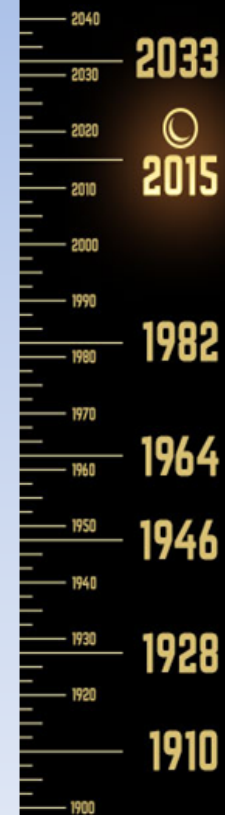
SUNSET 656 PM MDT MOONRISE 651 PM MDT



ECLIPSE VIEWING WEATHER FORECAST FROM NWS EL PASO

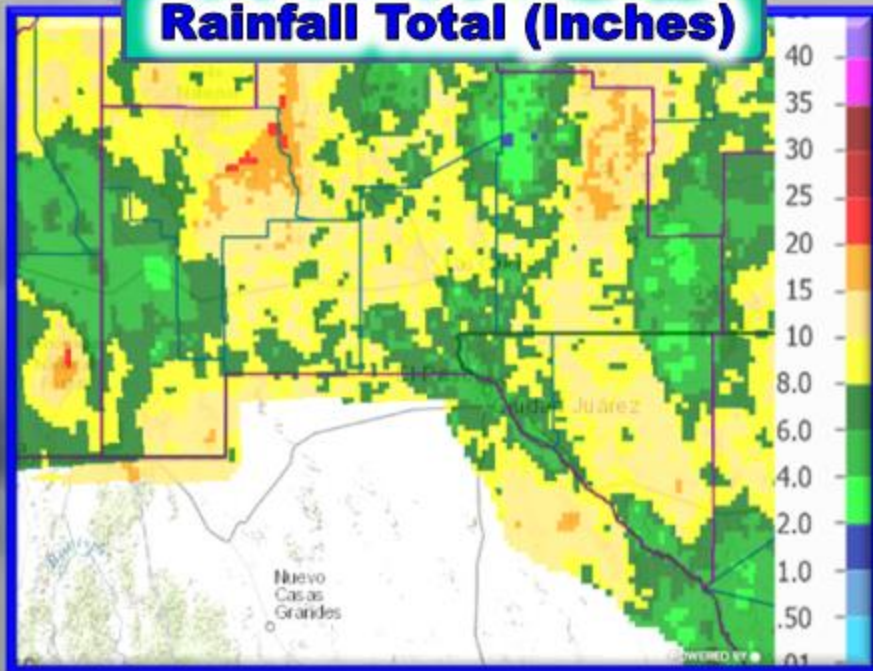
<http://www.srh.noaa.gov/epz/>

SUPERECLIPSE FREQUENCY

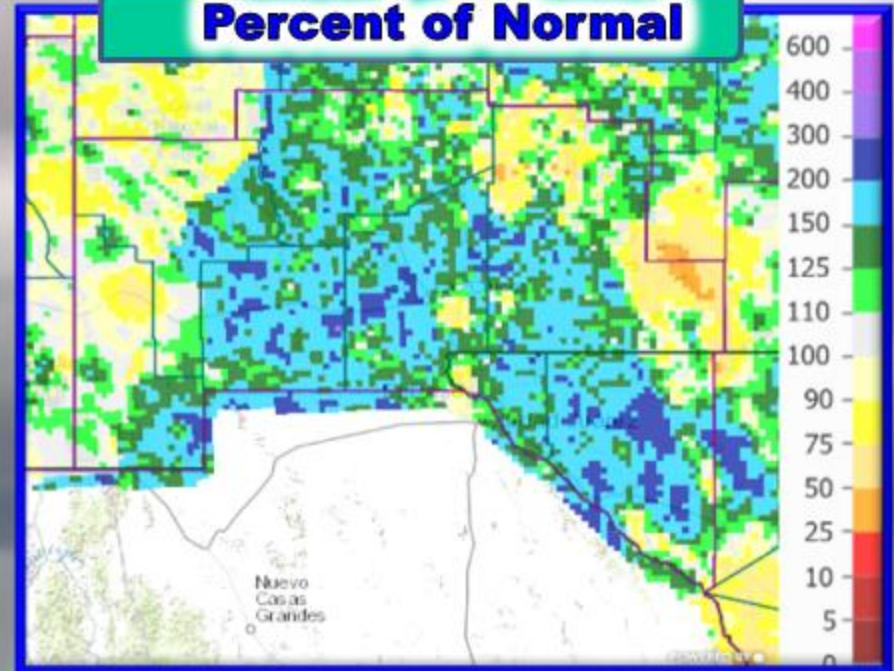


2015 MONSOON SEASON RECAP

Rainfall Total (Inches)



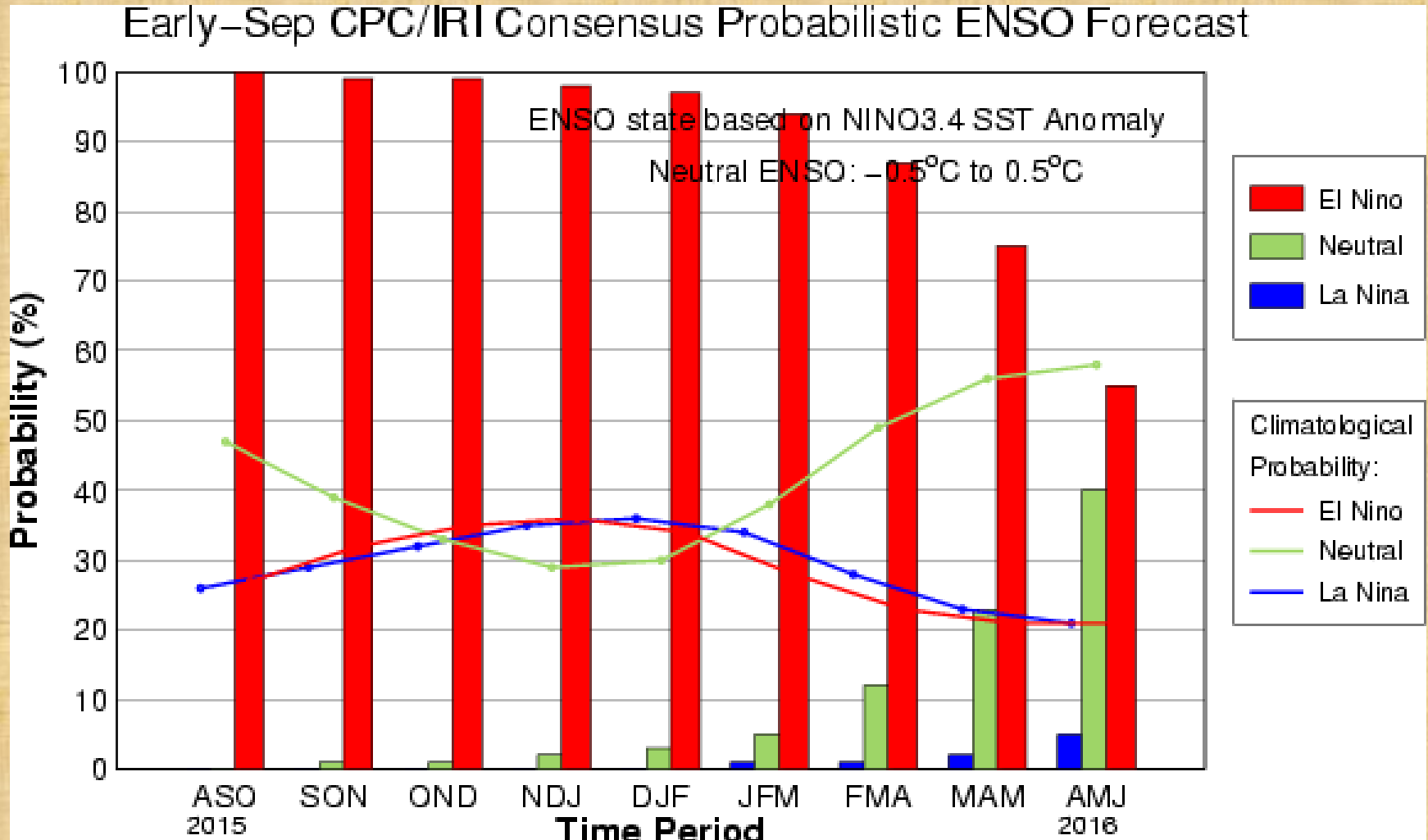
Percent of Normal



Rainfall Totals (Jun 15 – Sep 30):

- El Paso – 4.87 inches
- Santa Teresa NWS – 7.12 inches
- Las Cruces – 4.79 inches
- Deming – 6.13 inches
- T or C – 3.11 inches
- Cloudcroft – 17.35 inches
- Animas – 8.86 inches
- Ft. Hancock – 3.70 inches
- Dell City – 5.38 inches
- Elk – 7.61 inches
- Redrock – 6.96 inches
- Gila Hot Spgs – 10.79 inches
- Hillsboro – 5.01 inches
- Silver City – 7.92
- Cliff – 5.44

ENSO Forecast from September 10, 2015

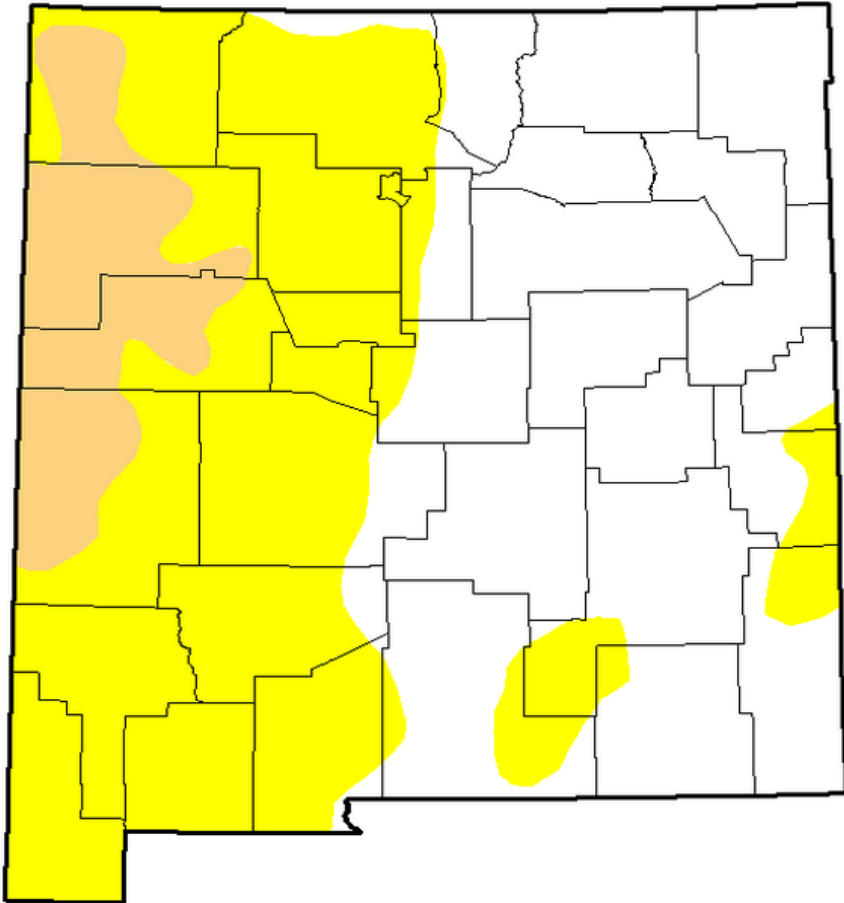


STRONG EL NINO STILL FORECAST INTO SPRING OF NEXT YEAR.

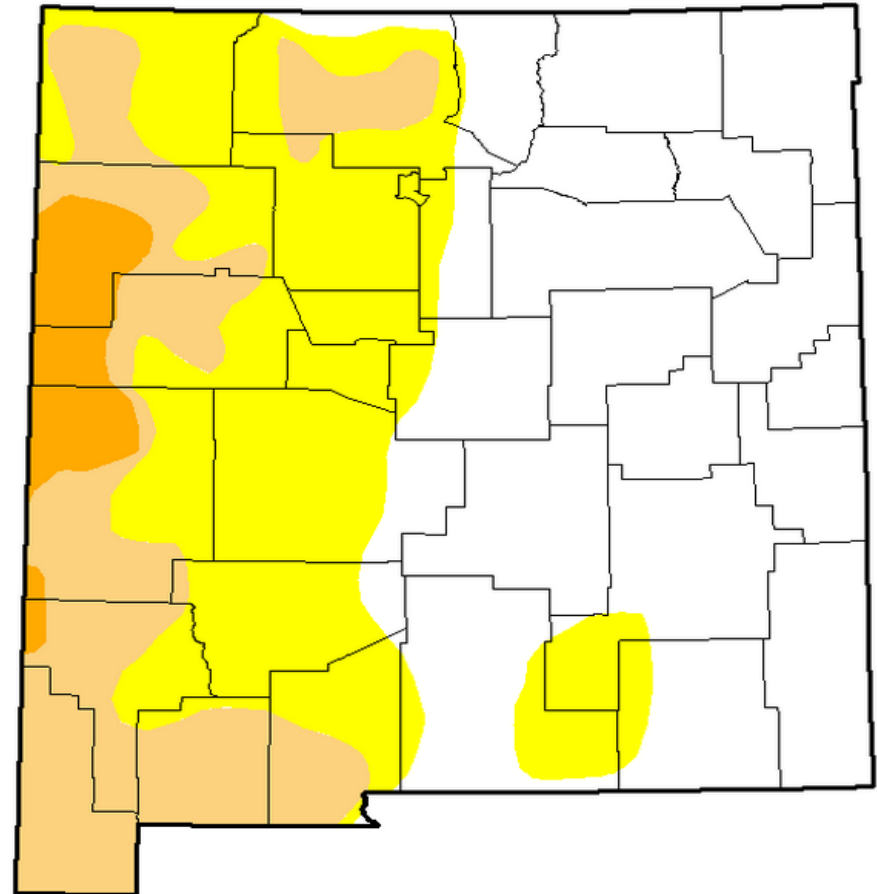
Current drought conditions for New Mexico and 3 month change

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

September 22, 2015








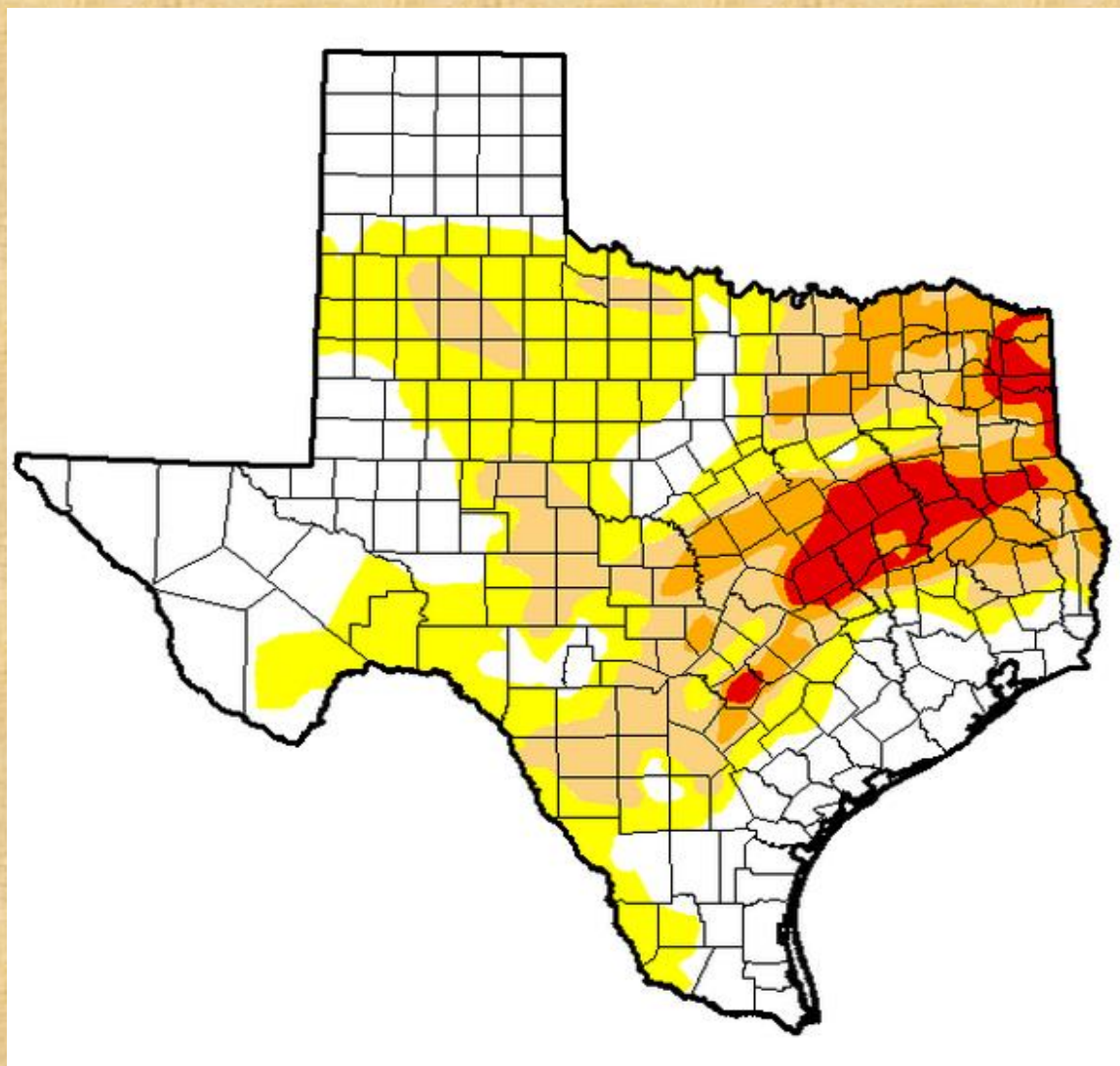
June 30, 2015



Current drought conditions for Texas as of September 22, 2015

Intensity:

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

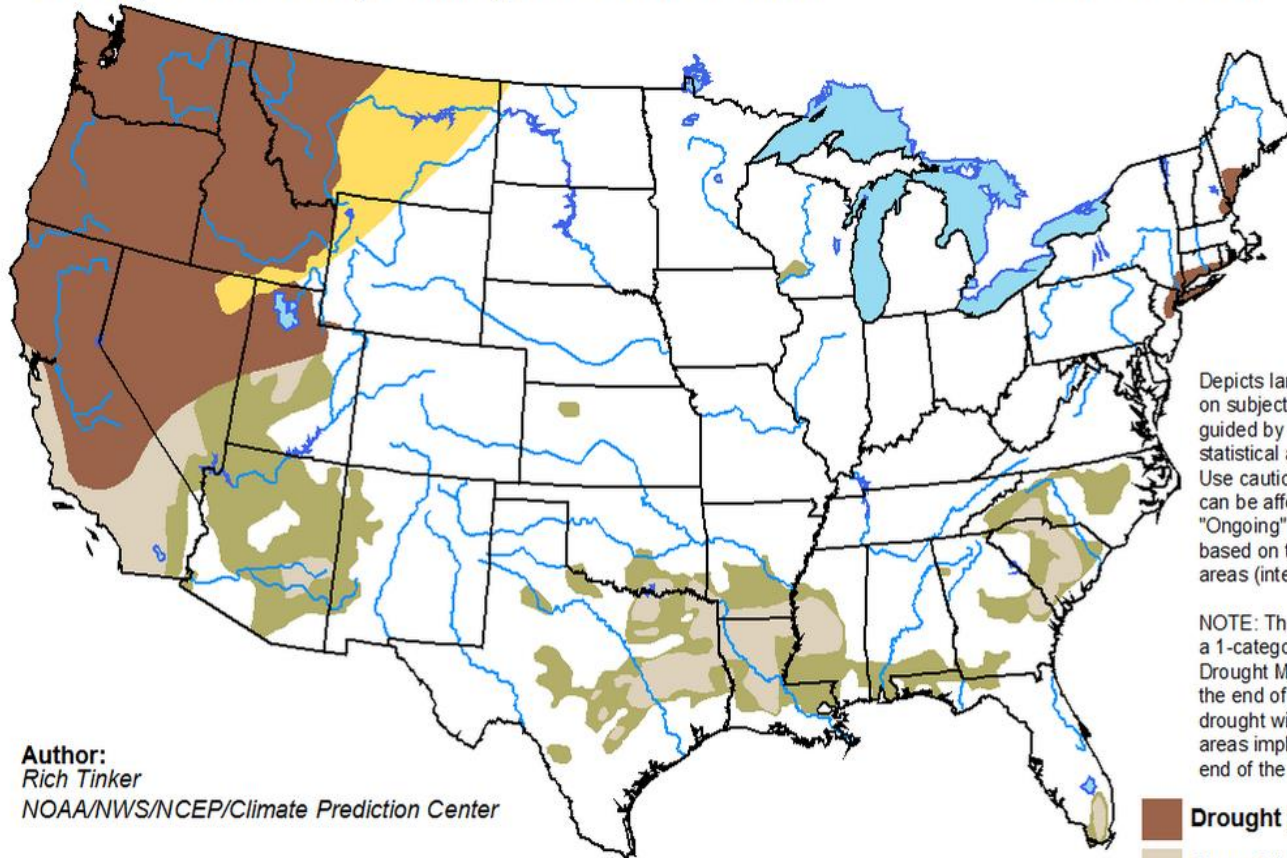


Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook





Valid for September 17 - December 31, 2015
Drought Tendency During the Valid Period
Released September 17, 2015

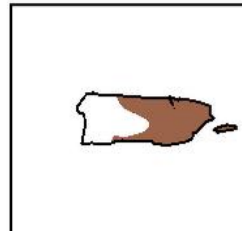
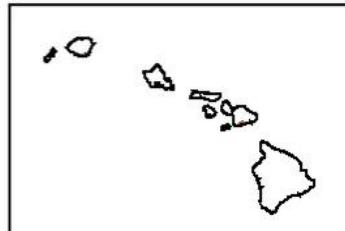
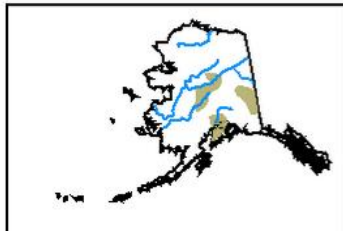


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

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

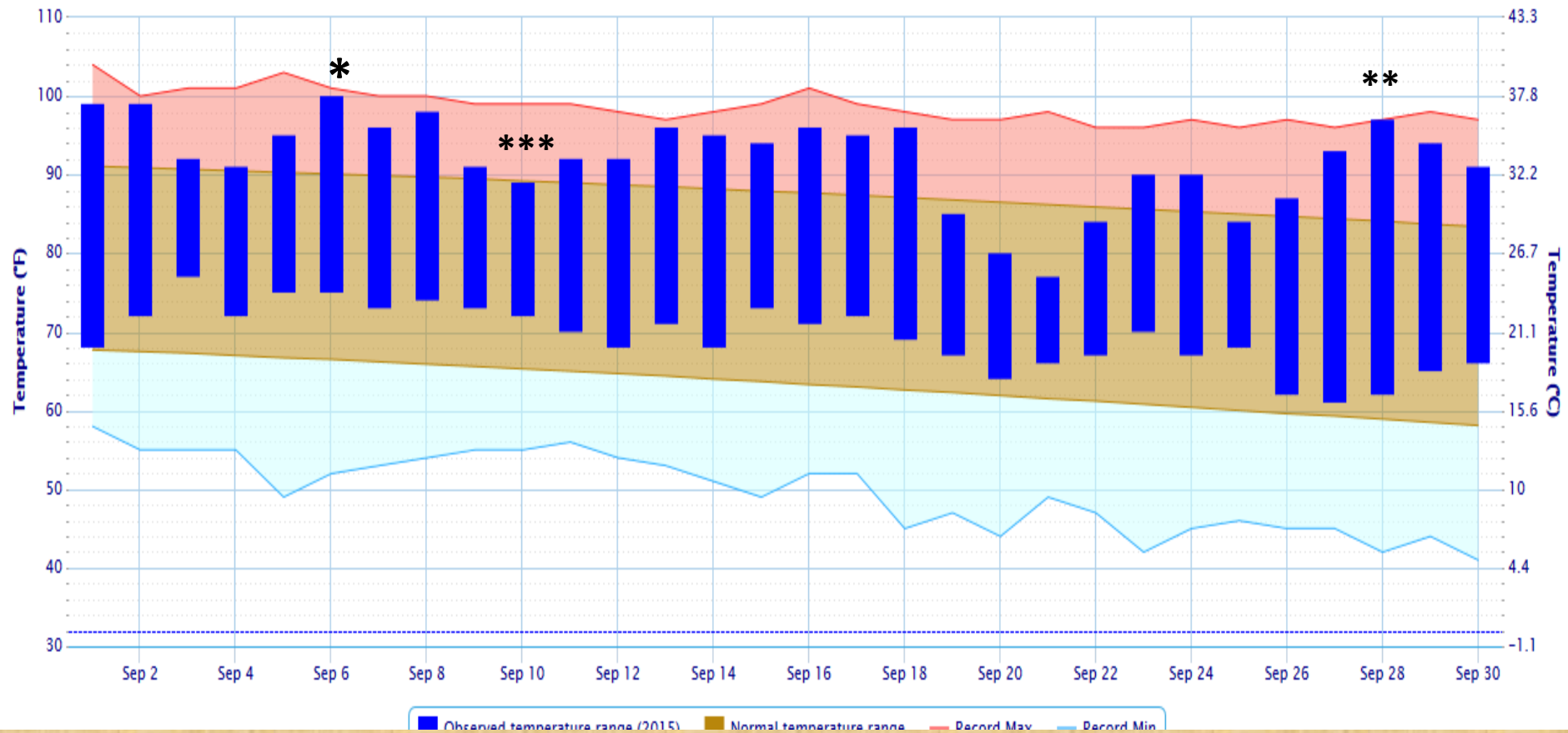


<http://go.usa.gov/3eZ73>

Daily temperature data for September in El Paso

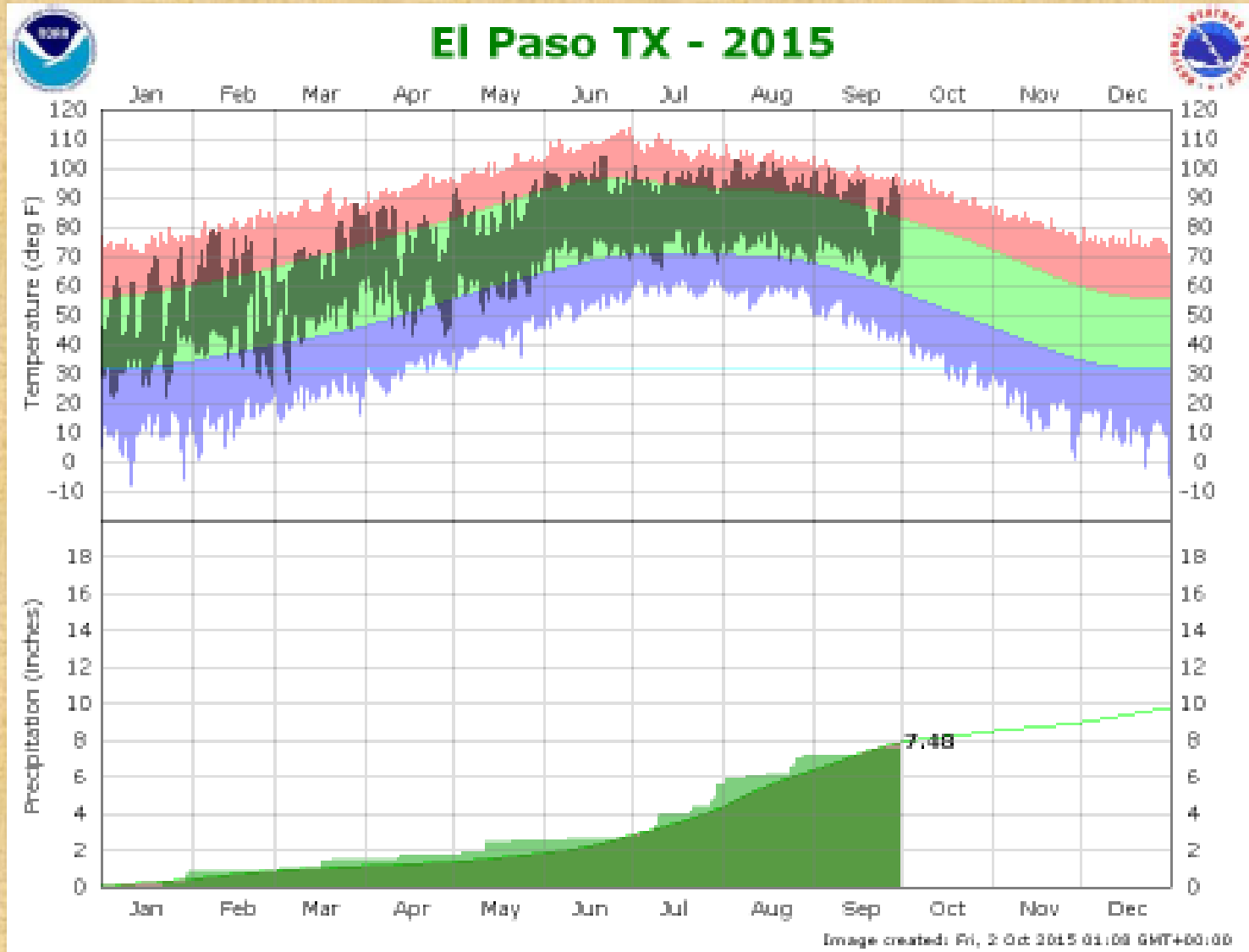
Daily Temperature Data - EL PASO INTL AP, TX

Period of Record - 1942-12-01 to 2015-09-30. Normals period: 1981-2010. Click and drag to zoom chart.



- * 1 day of Max Temp 100F or more in September...total for year 18
- ** 97 F record high for September 28
- *** 89 F broke the 106 consecutive day streak of Max Temps of 90 and above.

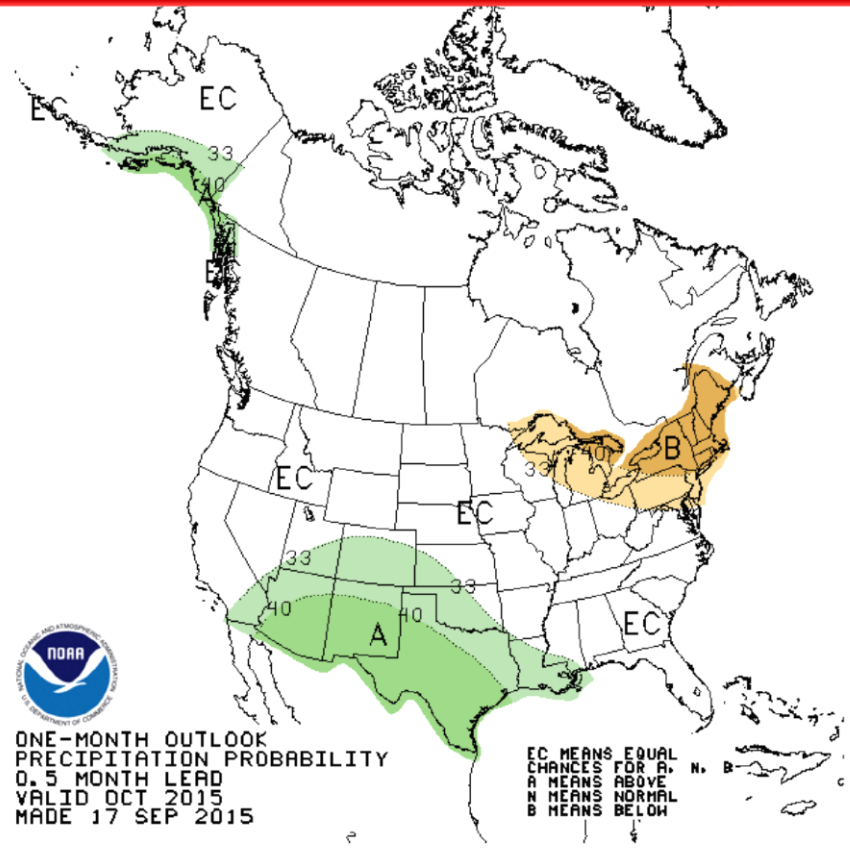
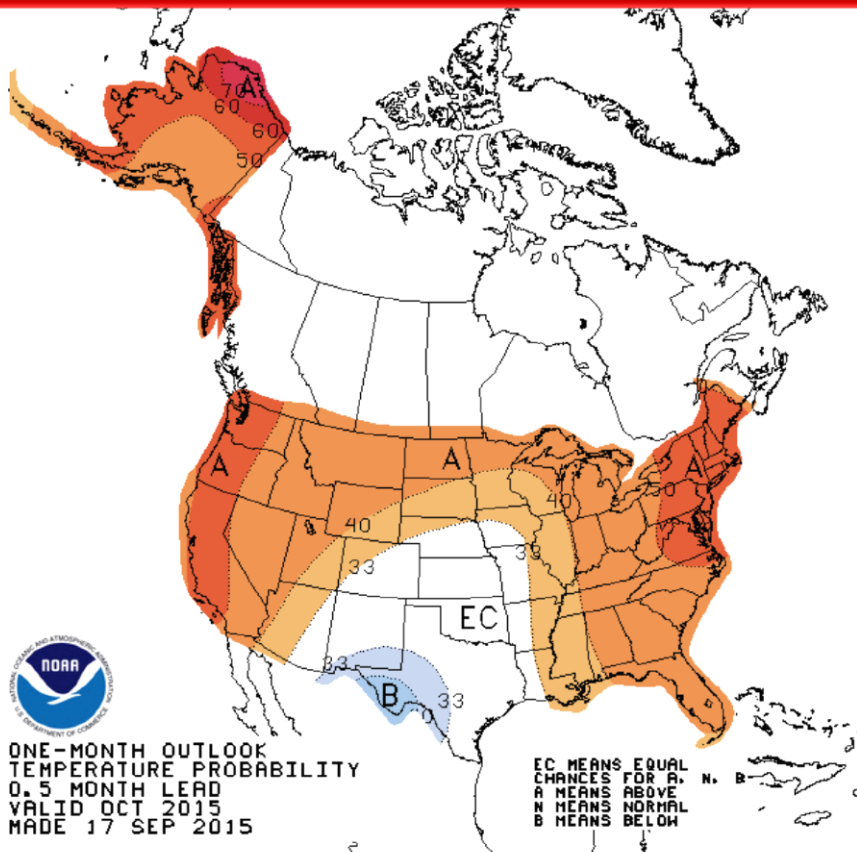
Daily temperature/precipitation data for September in El Paso



Temperature and precipitation outlook for October 2015

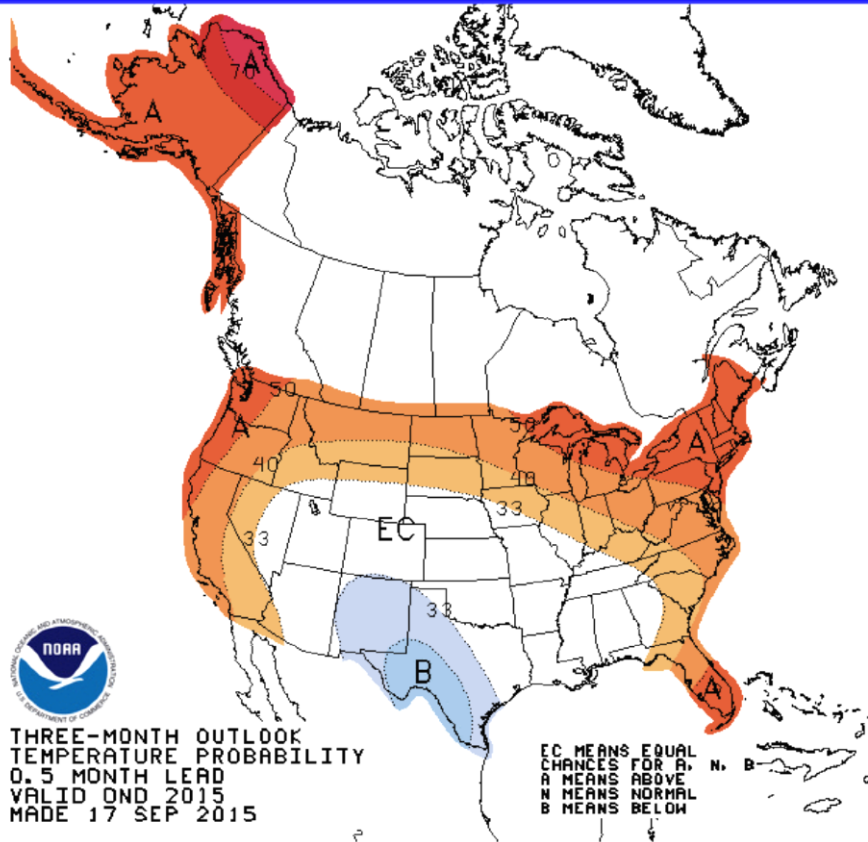
Temperature

Precipitation

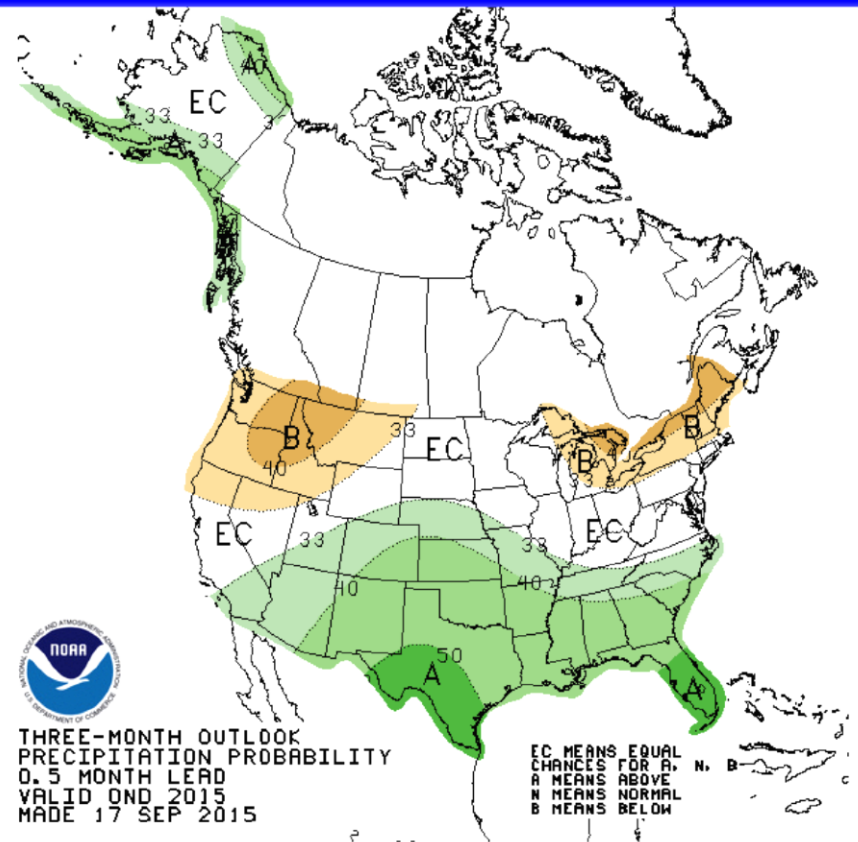


Temperature and precipitation outlook for Oct - Dec 2015

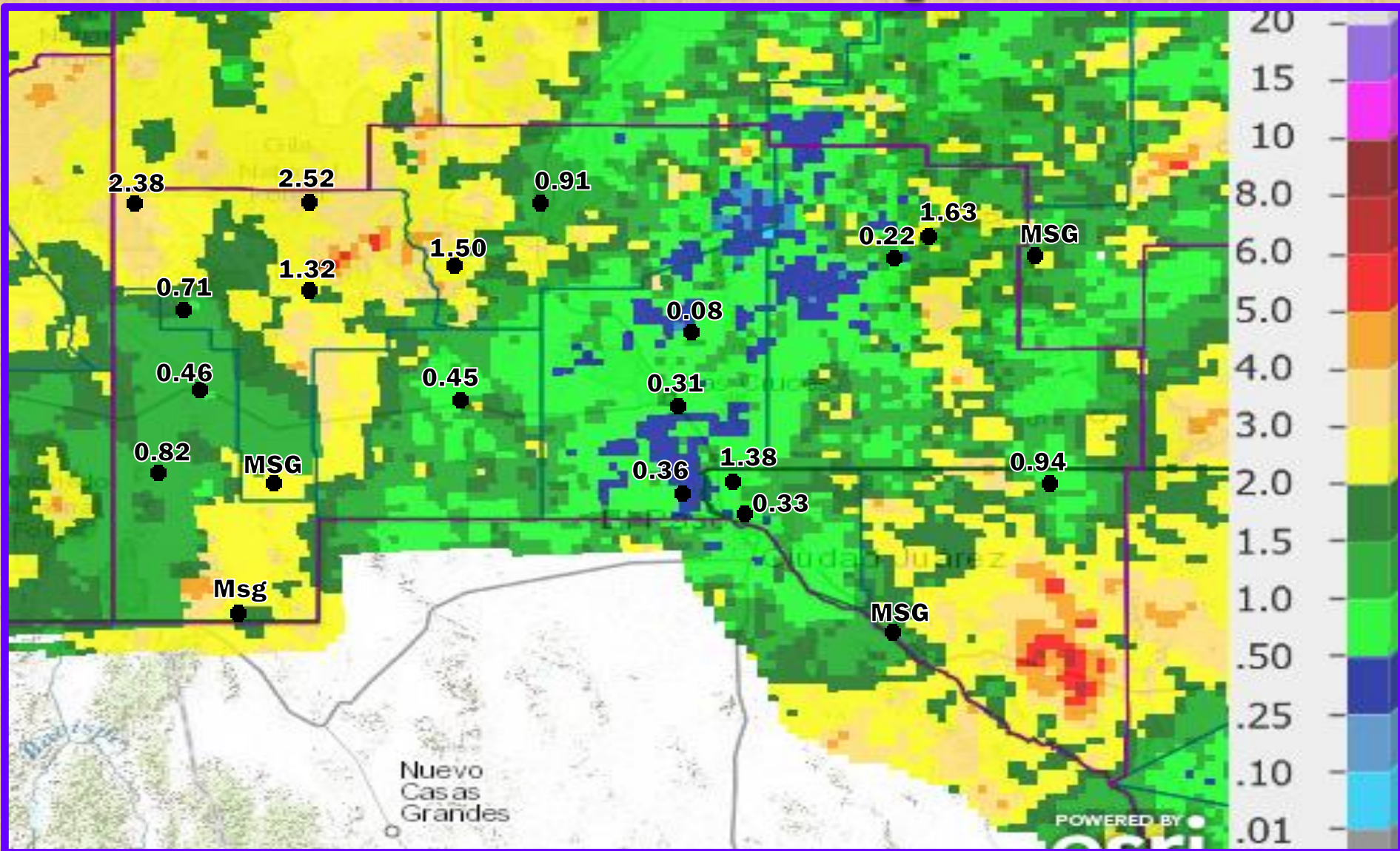
Temperature



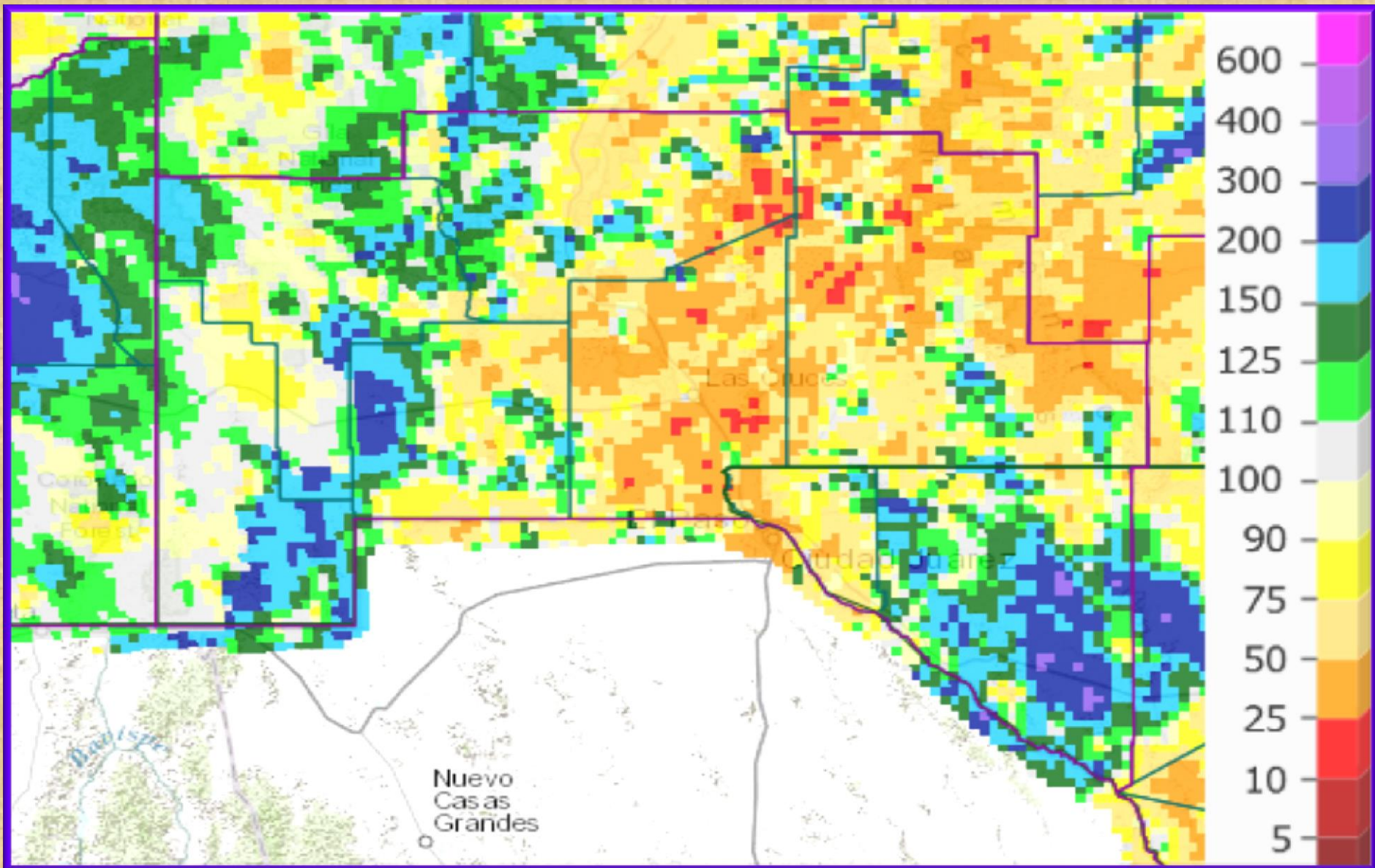
Precipitation



September 2015 radar rainfall estimate with surface rainfall reports



September 2015 Radar Rainfall Estimate (Percent of normal)



Special Features

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

Month: **SEPTEMBER**

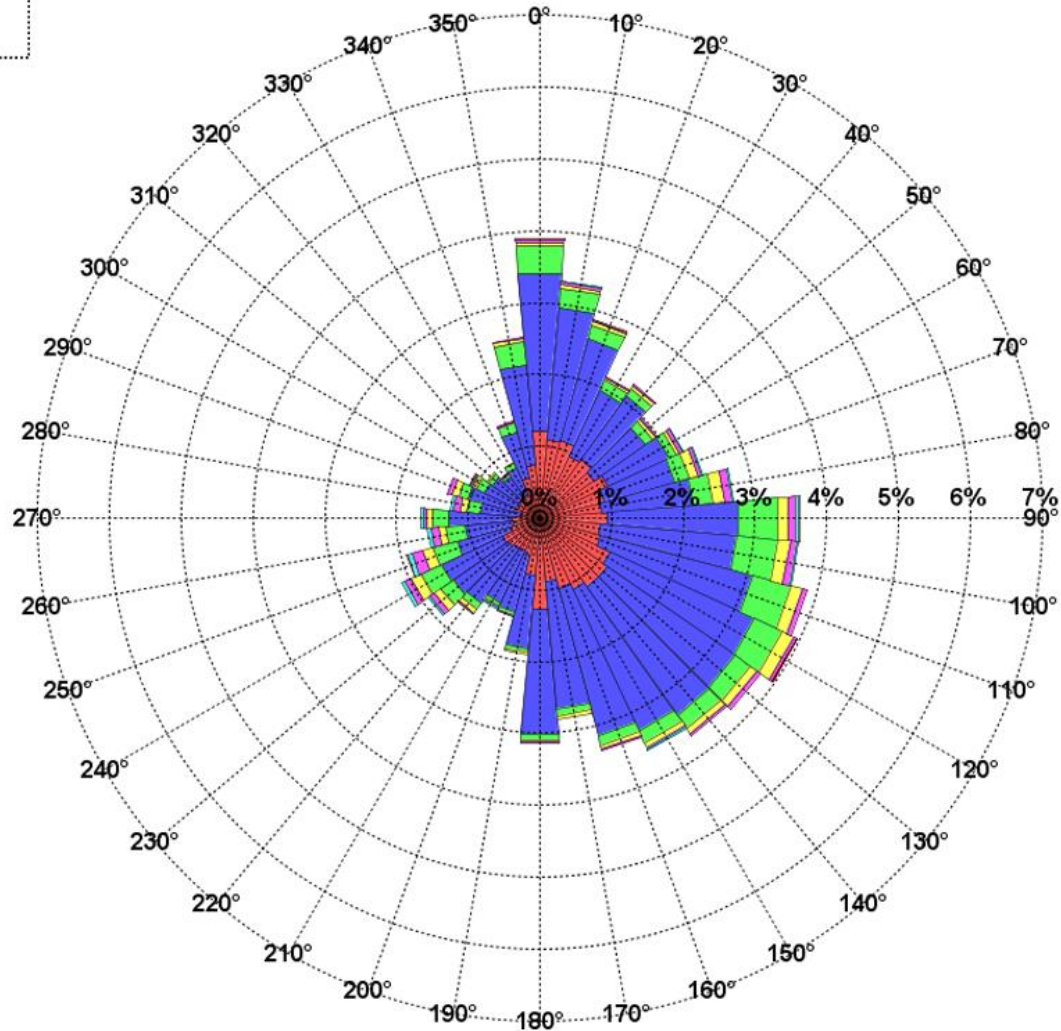
Calm: 11.68%

Variable: 3.28%

WindRose - KELP - EL PASO INTL

% Frequency of Wind Speed from a Direction

POR:19730101-20140602



Selected weather reports September 2015

Date/Time	Location (County)	Event
9/2/2015 745 PM	7 NE EL PASO	45 MPH WIND GUST
9/9/2015 500 PM	1NE TULAROSA-OTERO CO	.50 INCH HEAVY RAIN
9/16/2015 948 PM	8E WESTWAY-EL PASO CO	.66 INCH HEAVY RAIN
9/22/2015 849 AM	WHITE SIGNAL-GRANT CO	.98 INCH HEAVY RAIN
9/22/2015 655 AM	GILA HOT SPRGS-GRANT CO	1.30 INCH RAIN-MINOR FLOODING