

JUNE 2015

Weather Digest

Weather Summary

June In Pictures

Special Features

**Temperature &
Precipitation**

Severe Weather



June 2015 Weather Summary

June ended again on a warm note with El Paso having an average temperature of 2.8 degrees above normal. Precipitation was distributed similar to a horseshoe with the Gila Wilderness, Sierra county, and the Sacramento mountains receiving more than normal precipitation while the most of the remaining interior of the Borderland had normal to below normal precipitation. While El Paso only received around 19 per cent of its normal June precipitation, it still remained at 98 percent normal for the year.

June roared in as a lion along the southern boundaries of the borderland with 50 mph dry microburst winds in the El Paso /Santa Teresa area and also exited as a lion with downed trees in a 55 mph wind gust in El Paso also.

There were at least 6 days across Southern New Mexico and Far West Texas experiencing at least 50-60 mph winds or one inch hail or localized flooding from at least one inch of rain in a short period of time. See the “Selected Weather Reports” at the end of this presentation.

Summer arrived officially on 21 June (Solstice) and this coincided with most lowland desert locations in the Borderland seeing maximum temperatures over 100 degrees. El Paso had 4 days in June with maximum temperatures over 100 degrees bringing the count of the number of days seeing temps over 100 deg F to 2120 days since 1879.

I-10 VINTON 2.5

**June 1 Dry
microburst with
50 mph wind gusts**

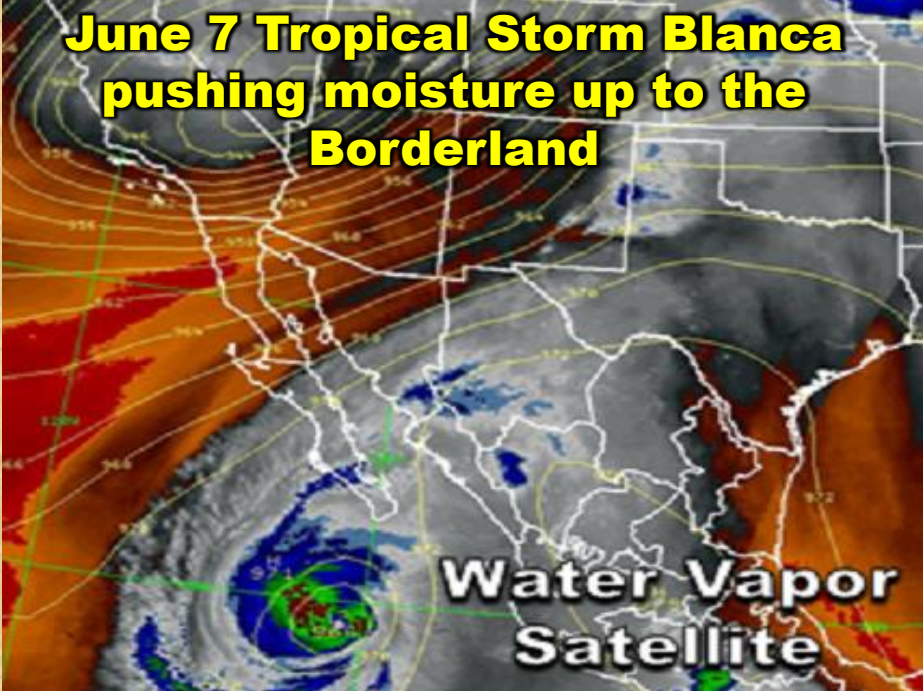
06/01/2015 04:25:33 PM

**June 3 smoke at sunset
Santa Teresa**

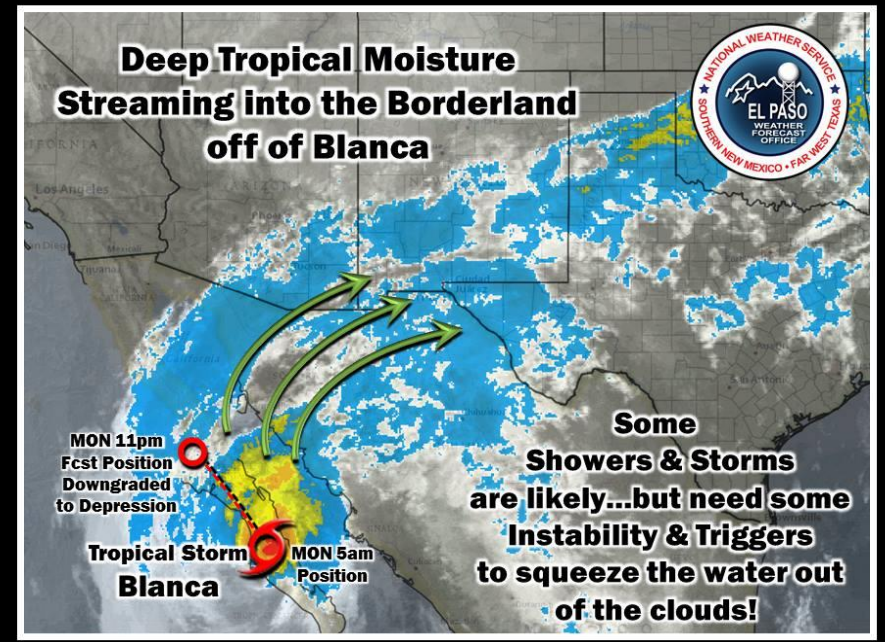
**June 3 smoke at sunset
Santa Teresa**

**June 7 clouds from Tropical
Storm Blanca at sunset
Santa Teresa**

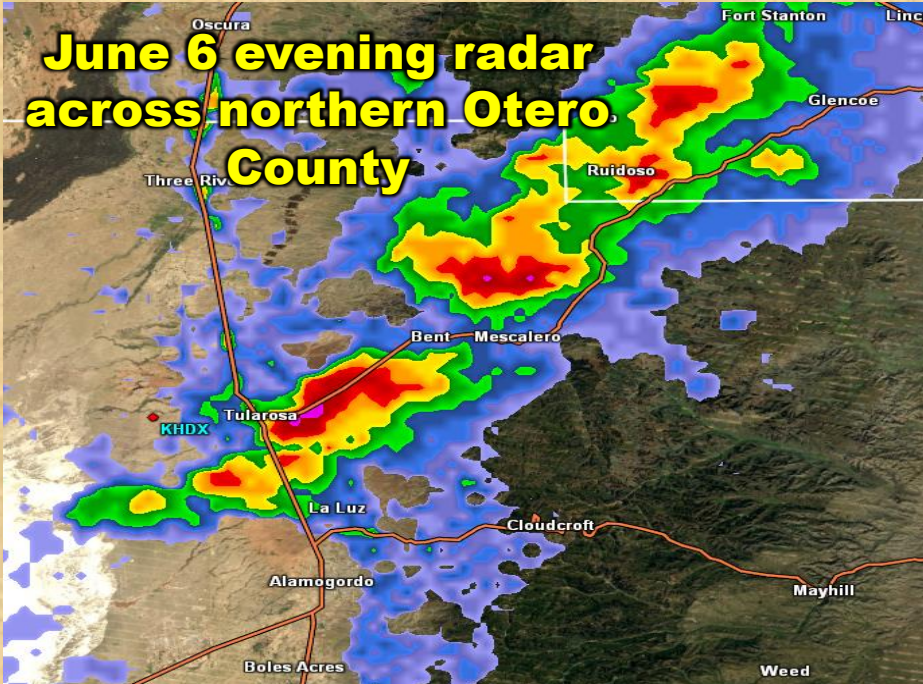
June 7 Tropical Storm Blanca pushing moisture up to the Borderland



Deep Tropical Moisture Streaming into the Borderland off of Blanca



June 6 evening radar across northern Otero County



June 5 Thunderstorm over Cloudcroft



June lightning pictures around the area

By Andrew Luna



Many thanks to our viewers for
submitting these pictures

By Jorge L Garcia



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MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR
 SOUTHWEST/SOUTH-CENTRAL NEW MEXICO AND FAR WEST TEXAS
 NATIONAL WEATHER SERVICE EL PASO TX / SANTA TERESA NM
 622 AM MDT SUN JUN 21 2015

.BR EPZ 0621 MS DH00/TAIRZX/DH05/TAIRZP/PPDRZZ/SFDRZZ/SDIRZZ
 :
 :Values represent Highs yesterday...Lows over the last 12 hours
 :ending at 5am MST and 24-Hour Precipitation ending at 5am MST.
 :
 :ASOS and Other NWS-Maintained Sites

:Id	Location	Elev	Max Temp	Min Temp	24hr Pcpn	Snow Fall	Snow Depth
DMN	:Deming	4314	: 104 /	67 /	0.00 /	M /	M
ELP	:El Paso Intl Arpt	3917	: 104 /	77 /	0.00 /	/ /	/ /
EPZNS	:Santa Teresa NWS	4108	: 103 /	74 /	0.00 /	/ /	/ /
TCS	:I-or-C Airport	4859	: 101 /	80 /	0.00 /	M /	M

:AWOS / CRN / Military Sites - Not maintained by NWS.
 :
 :
 :Id Location Elev Max Temp Min Temp 24hr Pcpn

:Id	Location	Elev	Max Temp	Min Temp	24hr Pcpn
ALM	:Alamogordo	4196	: 102 /	68 /	0.00
HMN	:Holloman AFB	4095	: 101 /	73 /	0.00
LCSNS	:Jornada Range CRN	4327	: 101 /	69 /	0.00
LRU	:Las Cruces Airport	4455	: 101 /	73 /	0.00
LSB	:Lordsburg Airport	4209	: 102 /	68 /	0.00
SVC	:Grant County Arpt	5443	: 97 /	66 /	0.00

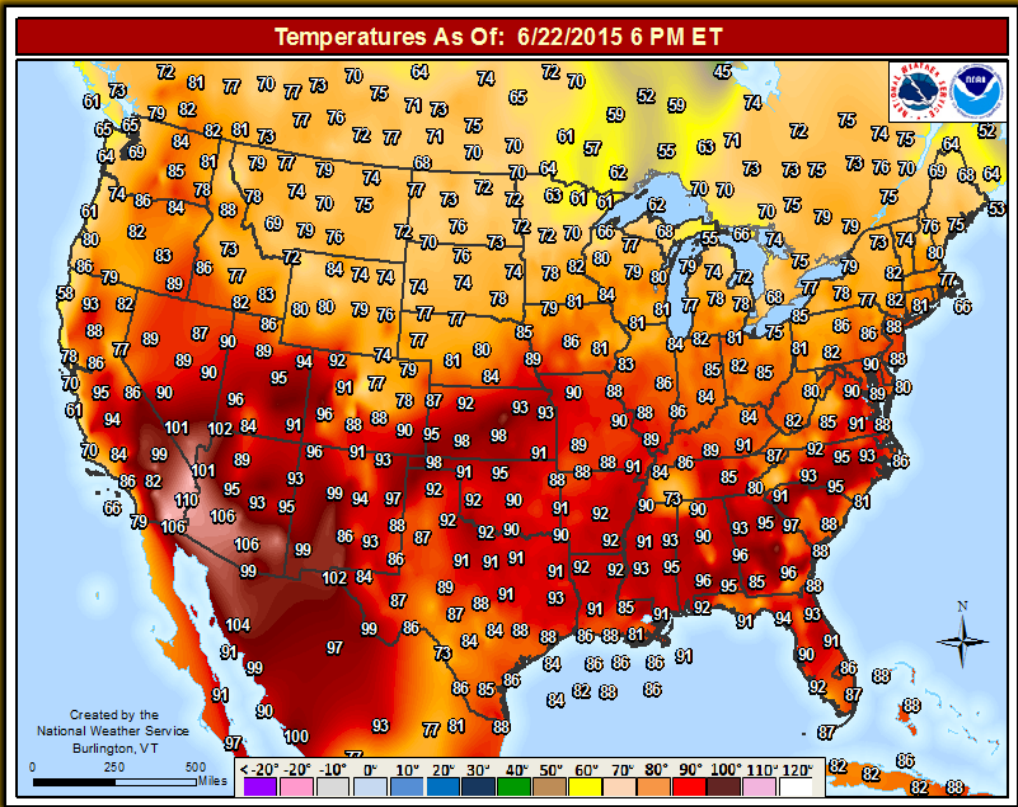
:NWS Cooperative Observer reports received last night.
 :reported below are 24-hour readings taken at the notes
 :observation time yesterday (MST).
 :
 :
 :Id Location Elev Obs Time Max Temp

:Id	Location	Elev	Obs Time	Max Temp
:Texas				
:New Mexico				
:ANMNS	Animas 3ESE	4437	DH2100 /	102
:CLDNS	Cloudcroft	8660	DH1800 /	80
:HCTNS	Hachita	4510	DH1920 /	102

June heat begins...

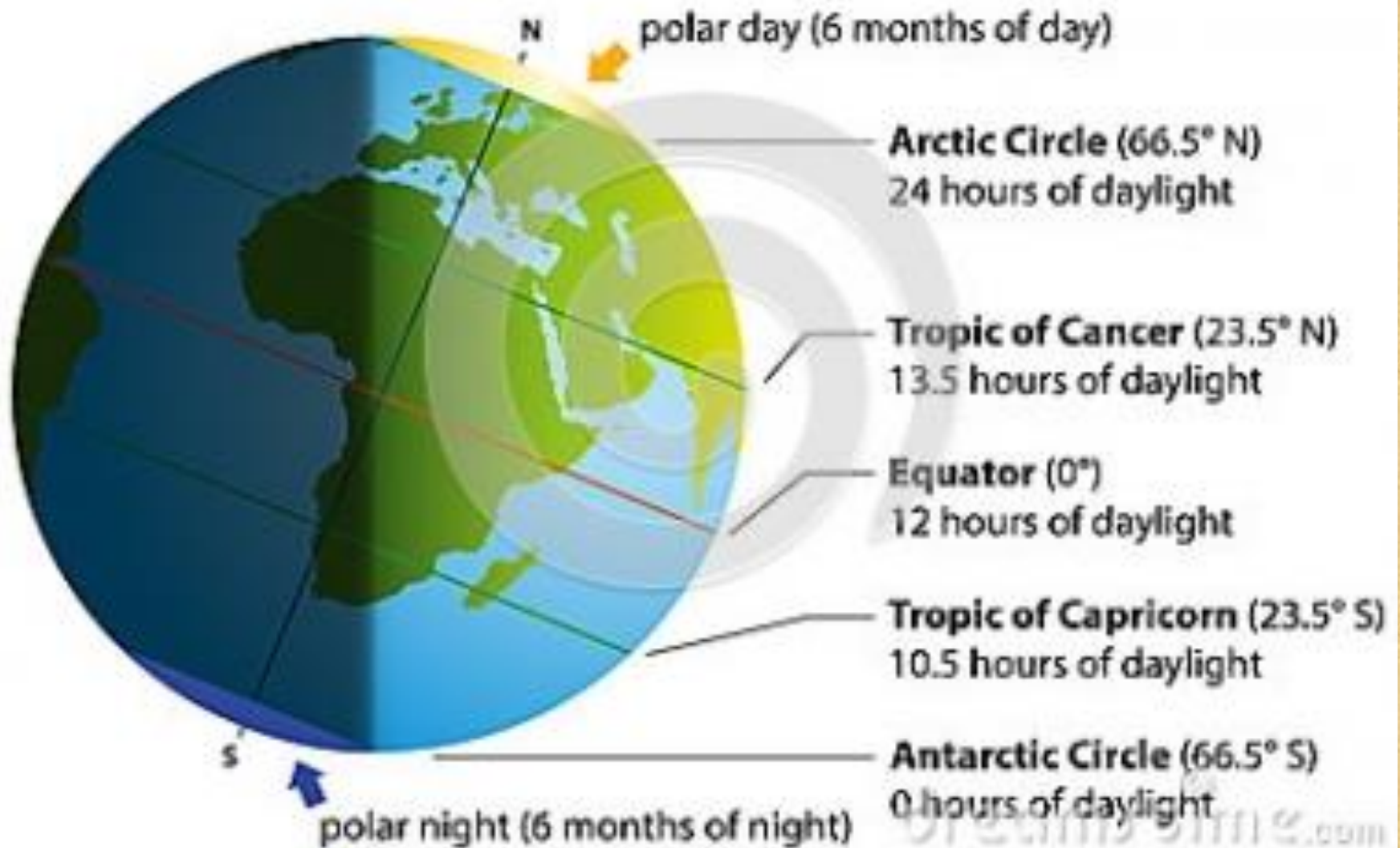
4PM MDT...Hot across the Southwest

...across the entire
 U.S. southern states



An annual June event...

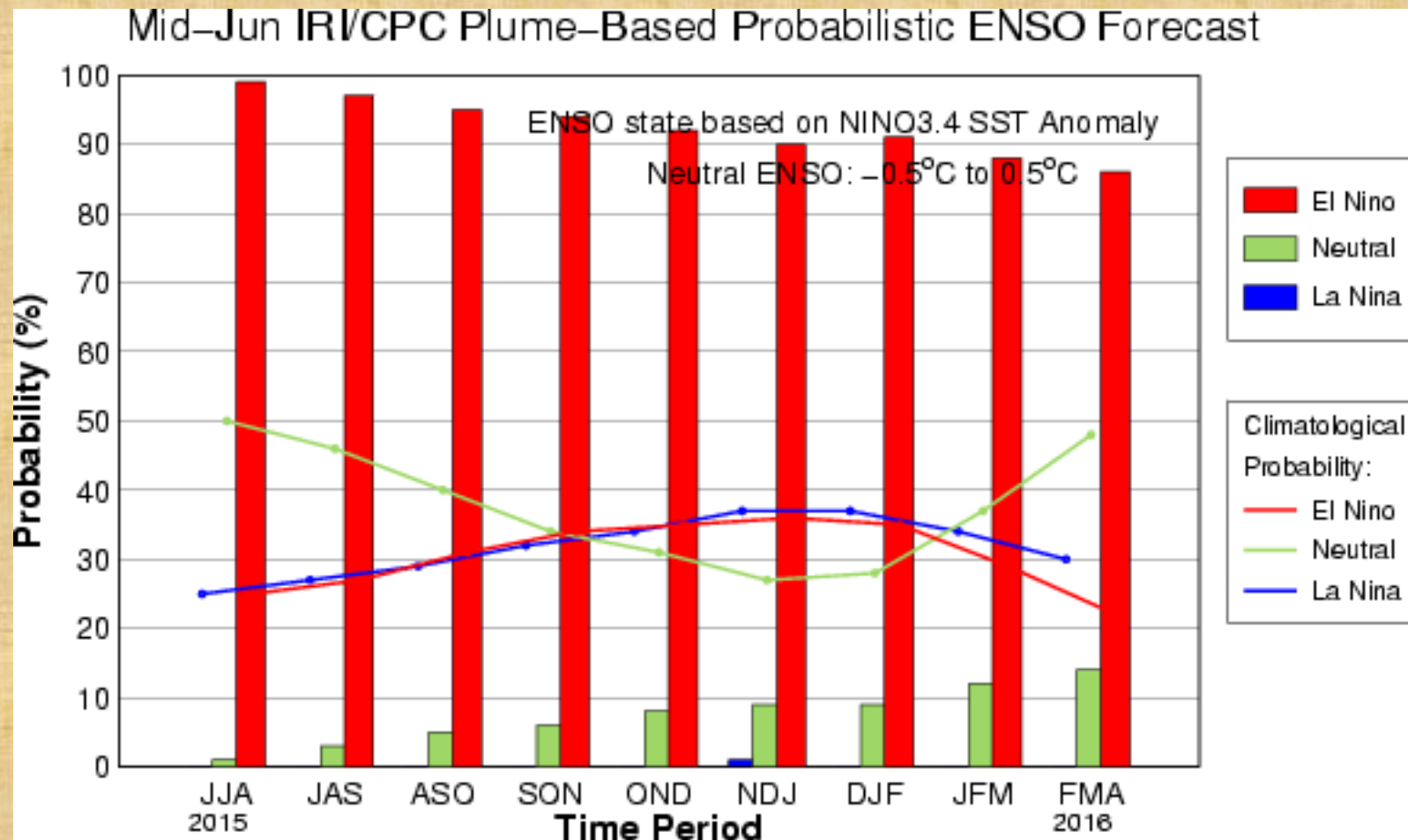
summer solstice (June 21)



Late June wind damage from thunderstorms



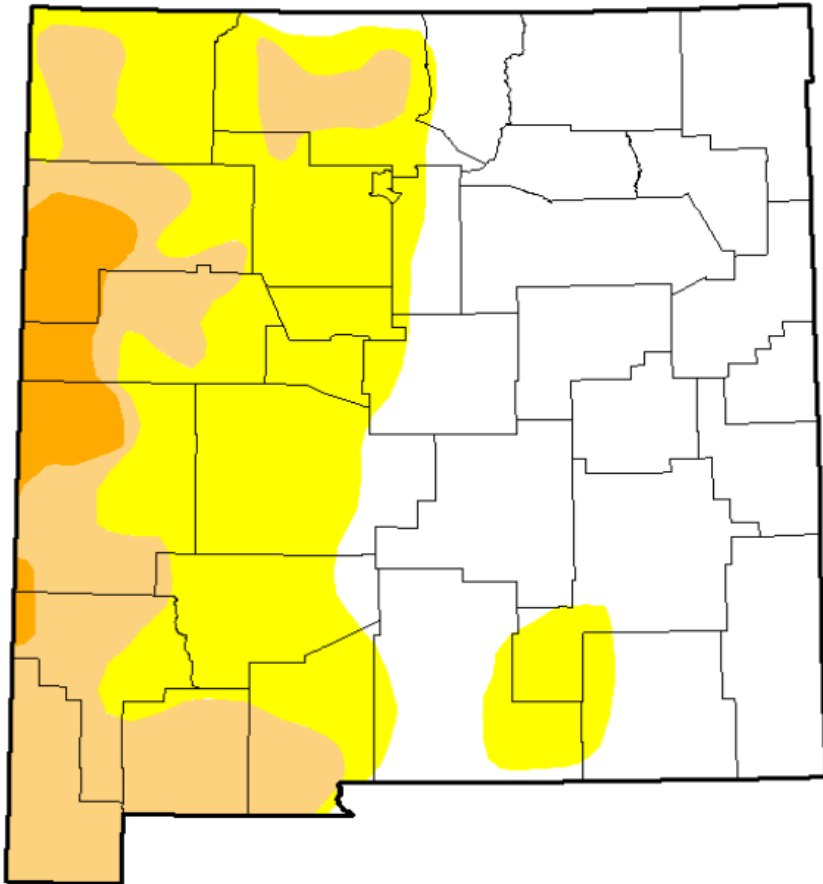
ENSO Forecast from Mid June



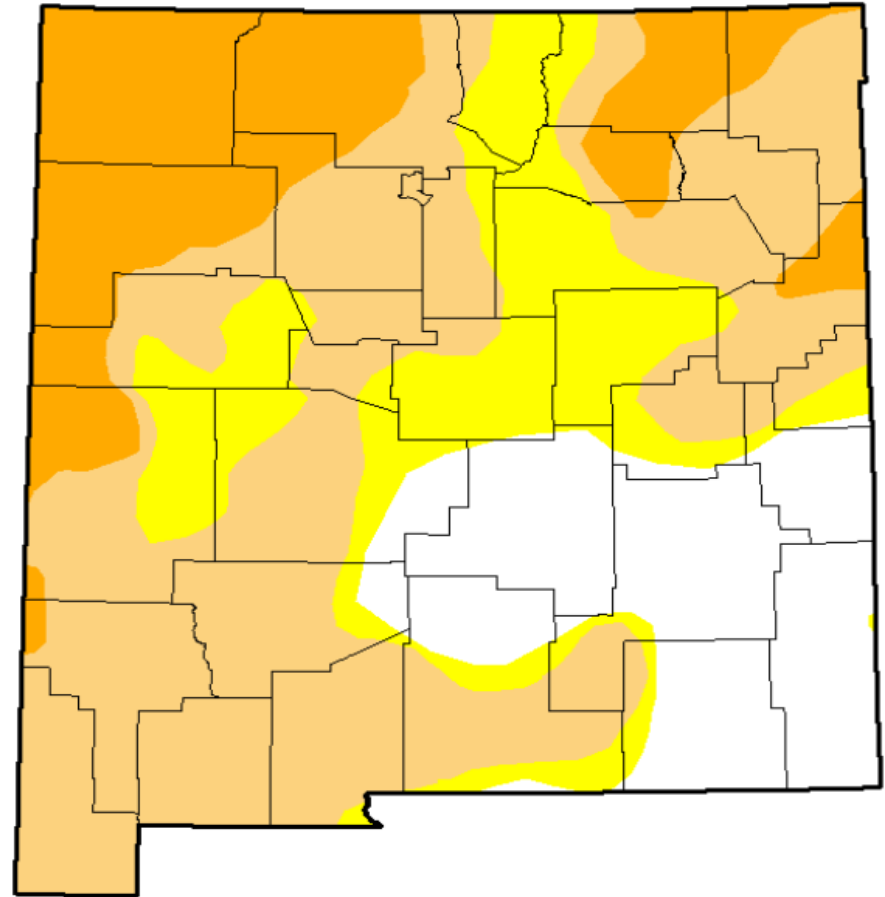
Current drought conditions for New Mexico and 3 month change

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

June 23, 2015








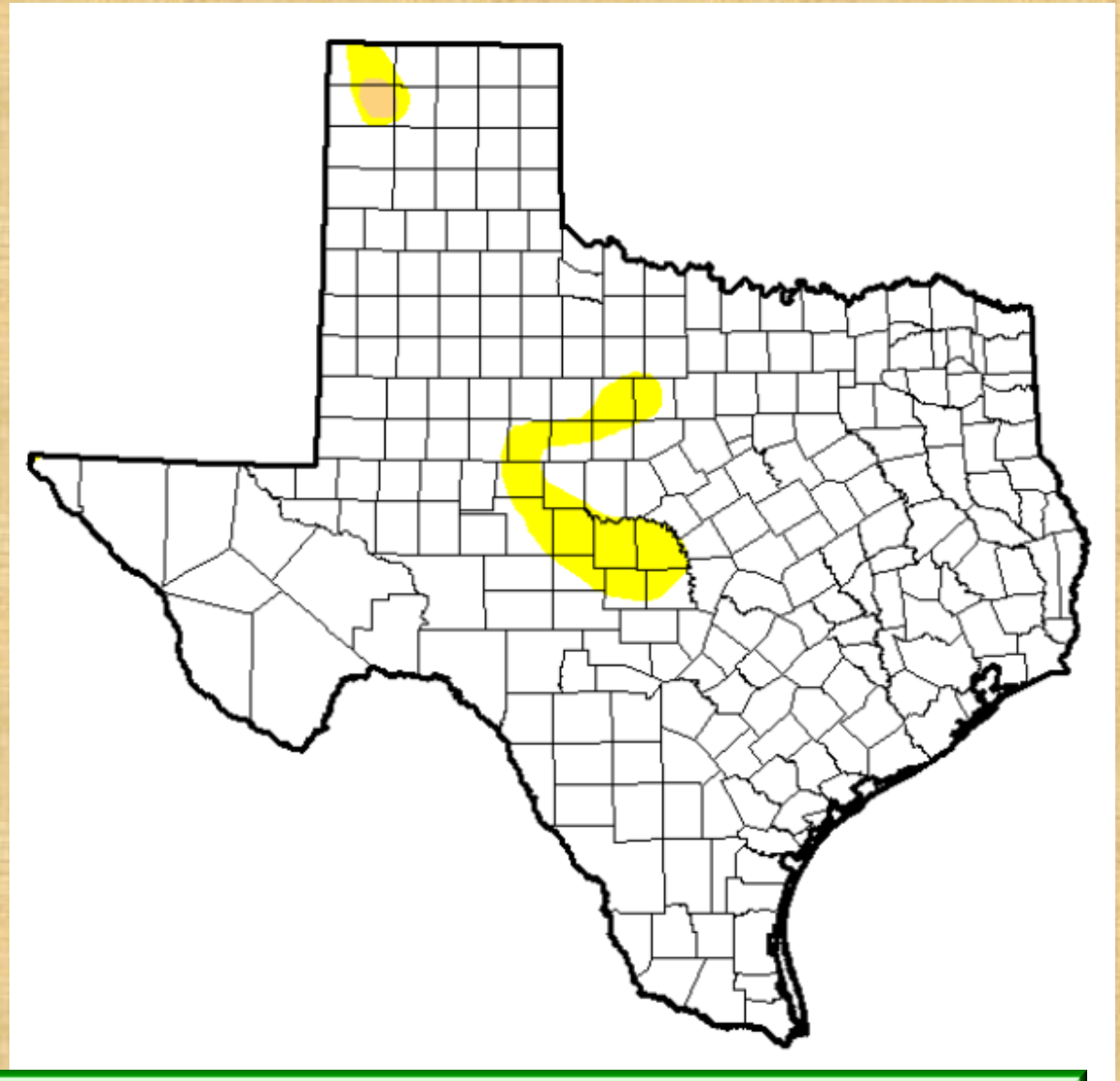
March 31, 2015



Current drought conditions for Texas as of June 23, 2015

Intensity:

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



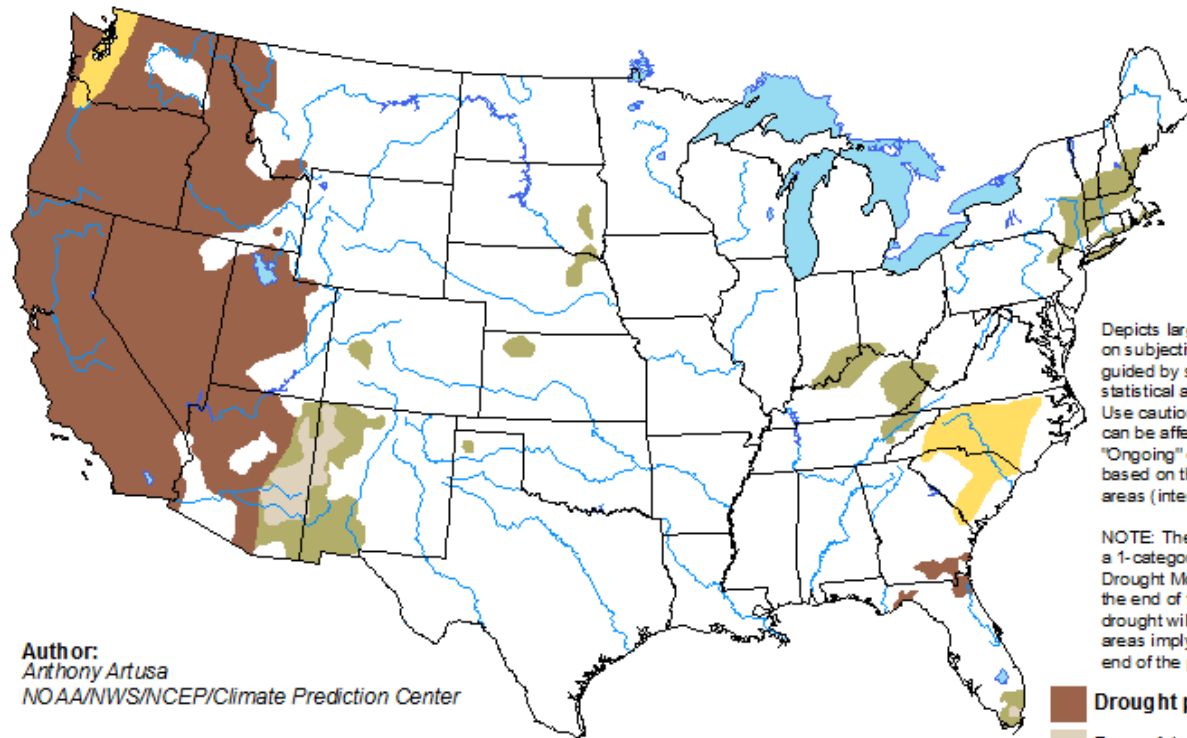
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





Valid for June 18 - September 30, 2015
Released June 18, 2015

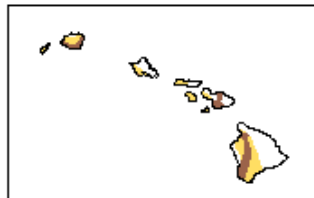
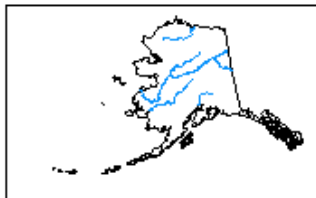


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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



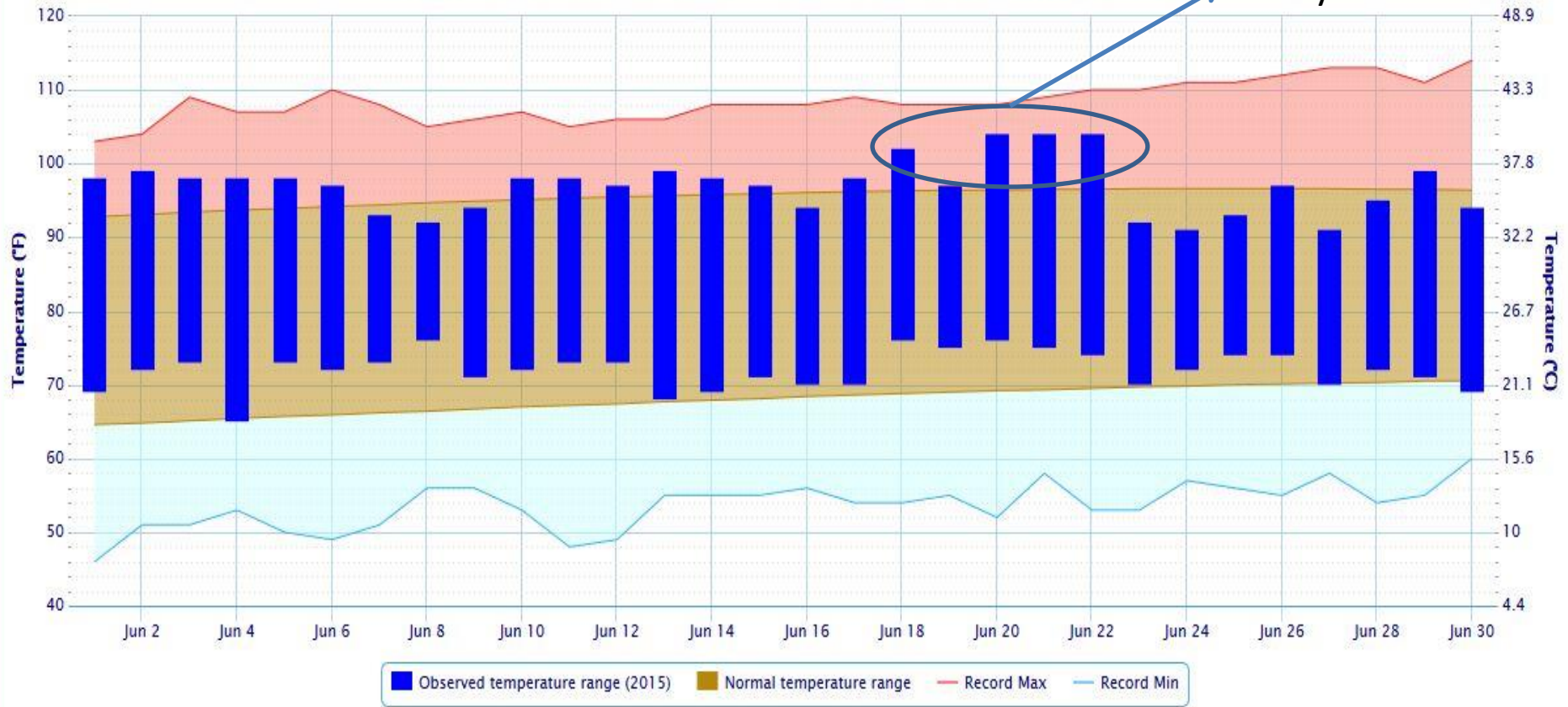
<http://go.usa.gov/hHTe>

Daily temperature data for June in El Paso

Daily Temperature Data - EL PASO INTL AP, TX

Period of Record - 1942-12-01 to 2015-06-30. Normals period: 1981-2010. Click and drag to zoom chart.

4 days > 100





El Paso TX - 2015

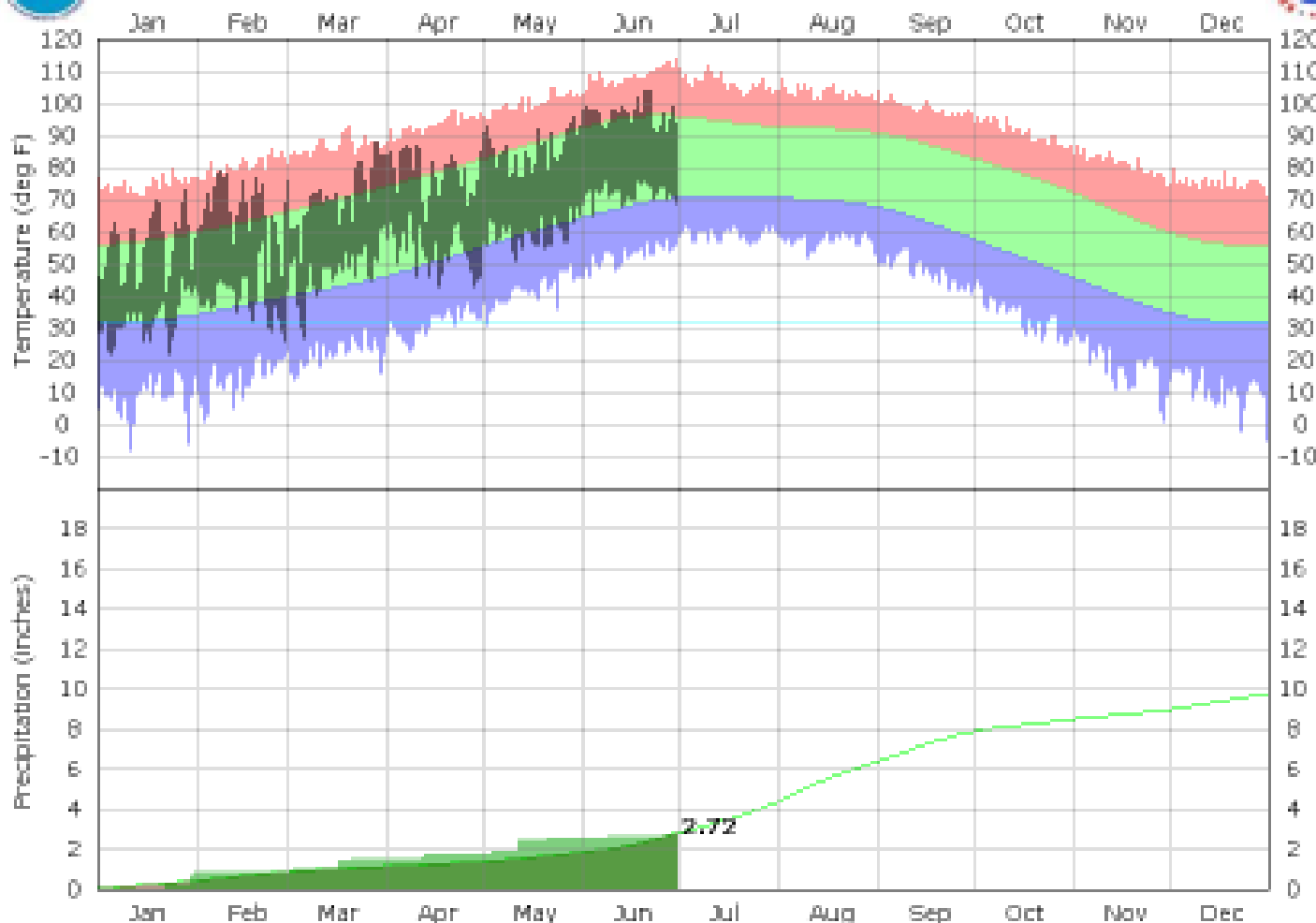
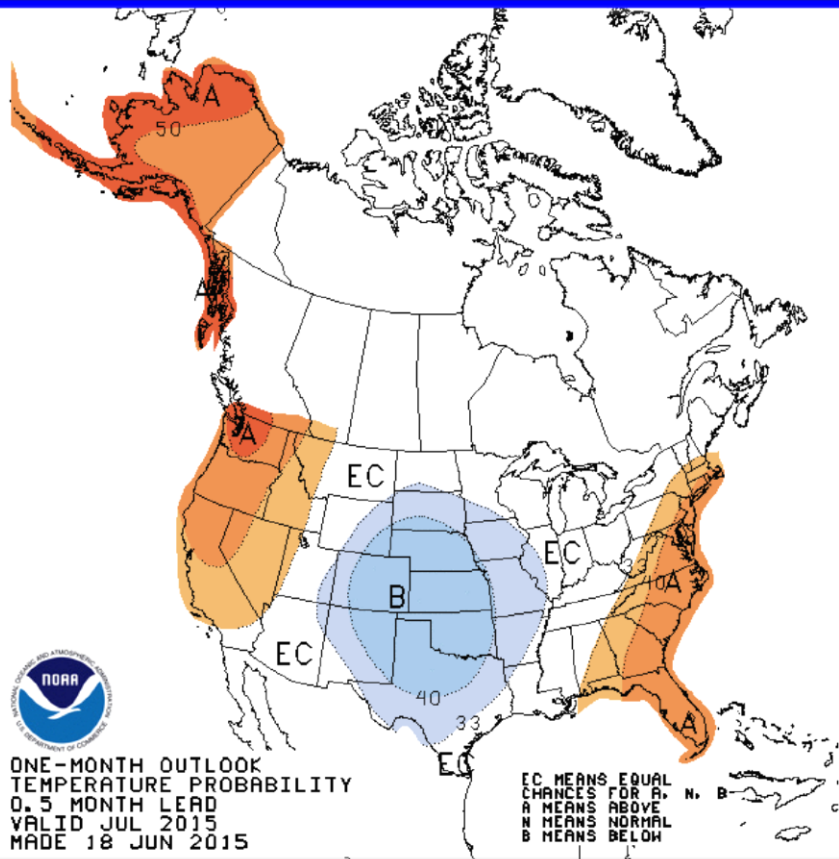


Image created: Wed, 1 Jul 2015 20:09 GMT+00:00

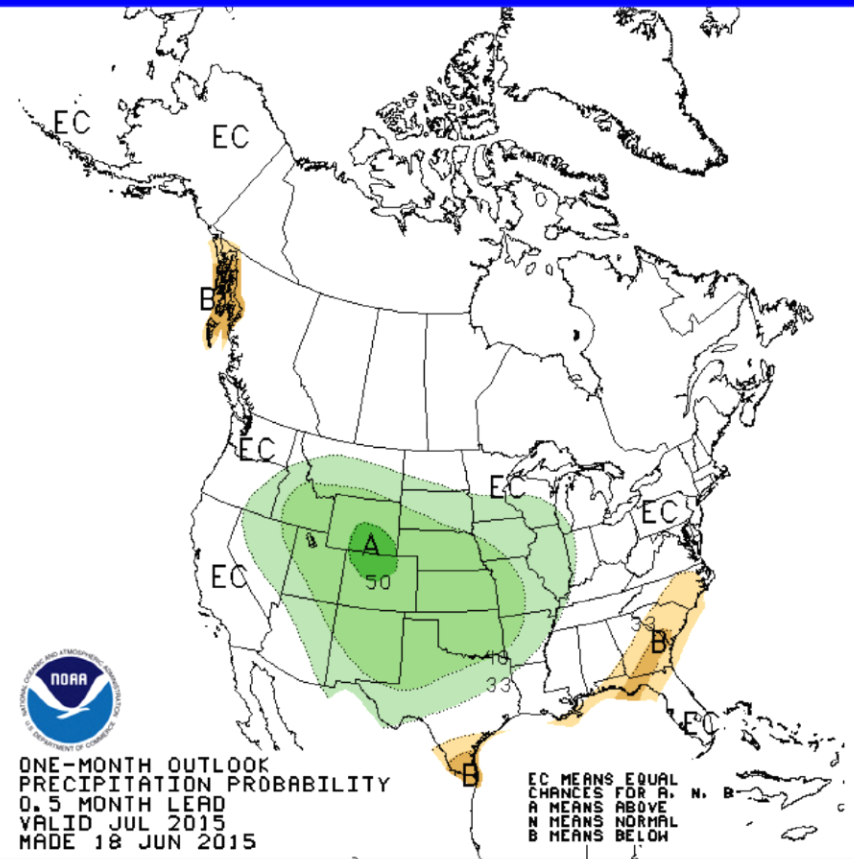
Daily temperature/precipitation data for June in El Paso

Temperature and precipitation outlook for July 2015

Temperature

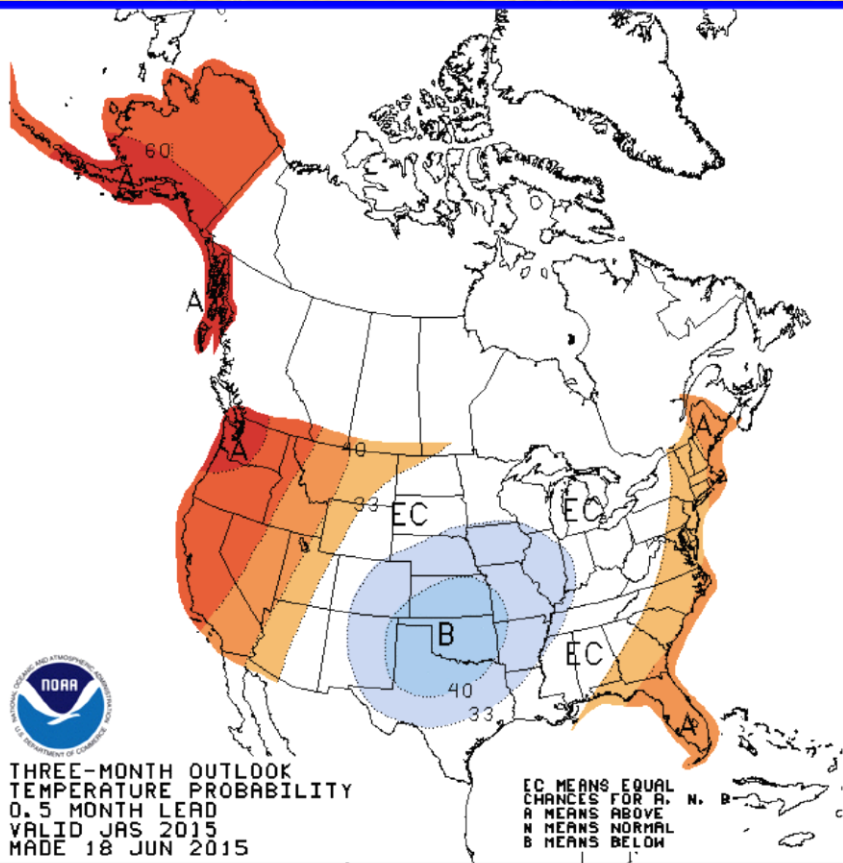


Precipitation

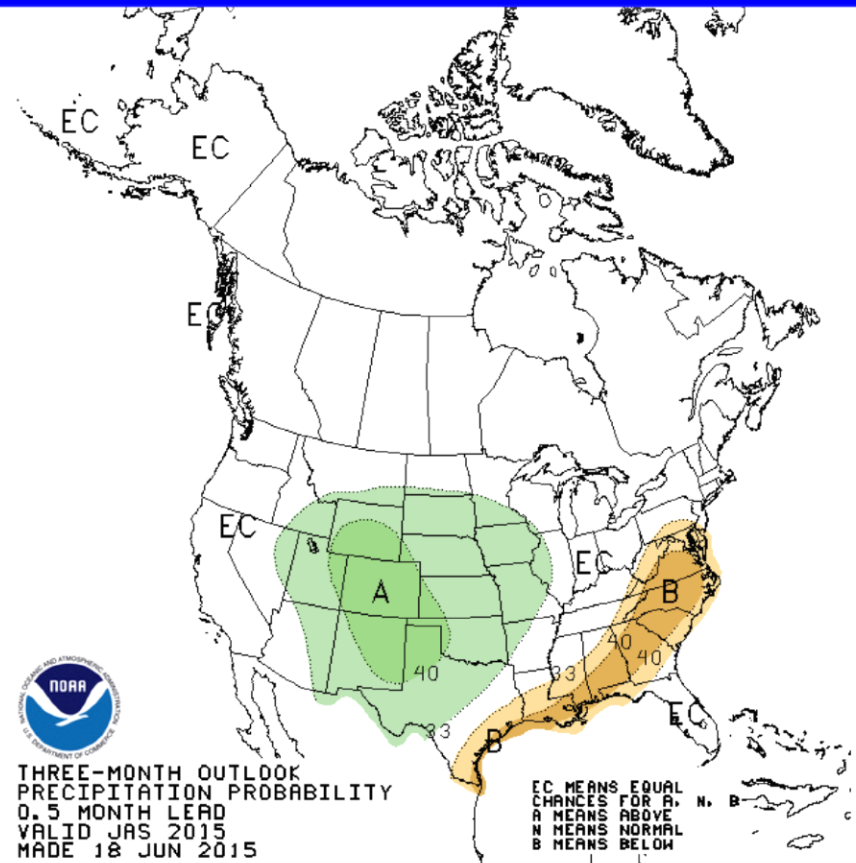


Temperature and precipitation outlook for Jul - Sep 2015

Temperature

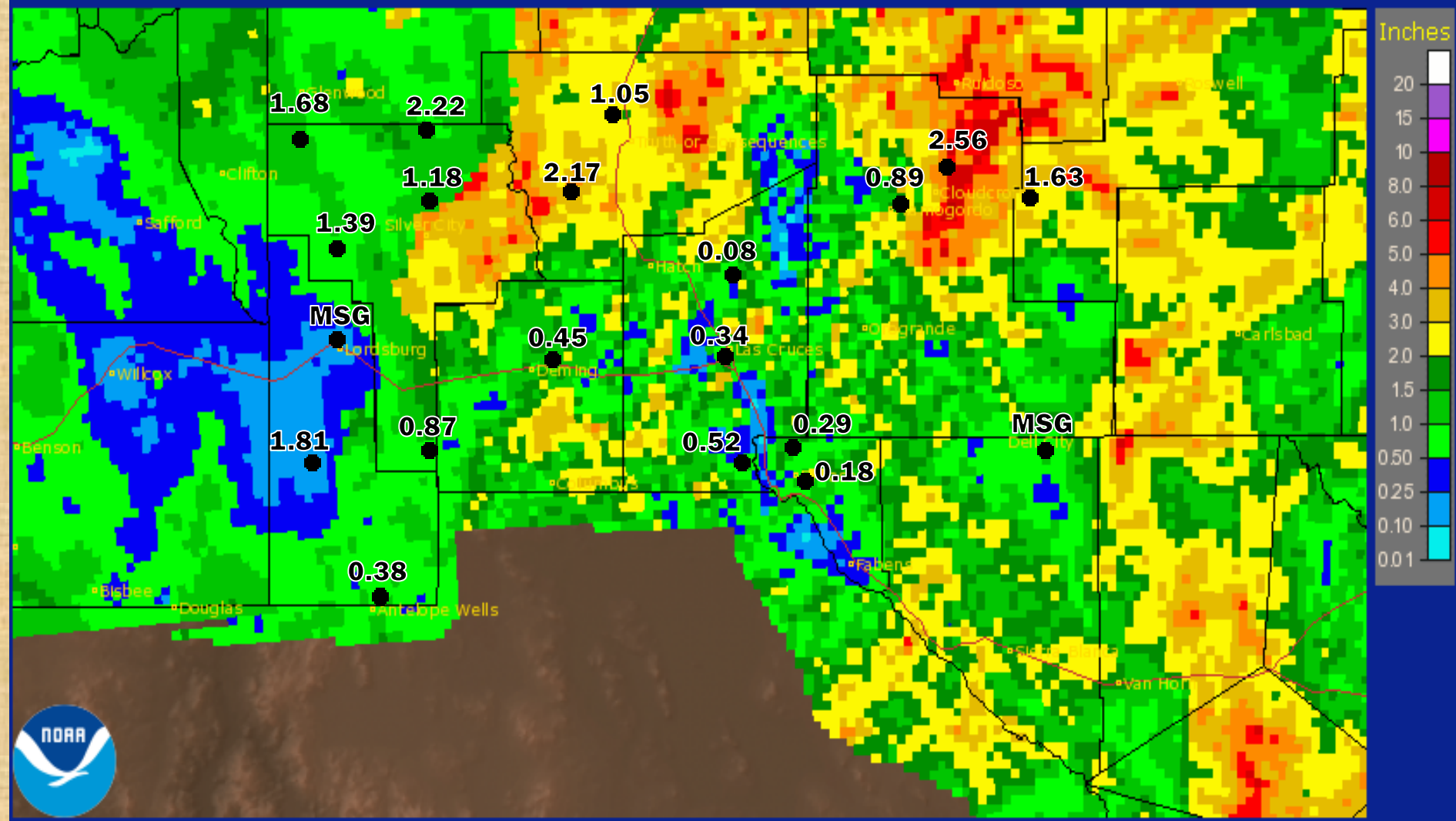


Precipitation



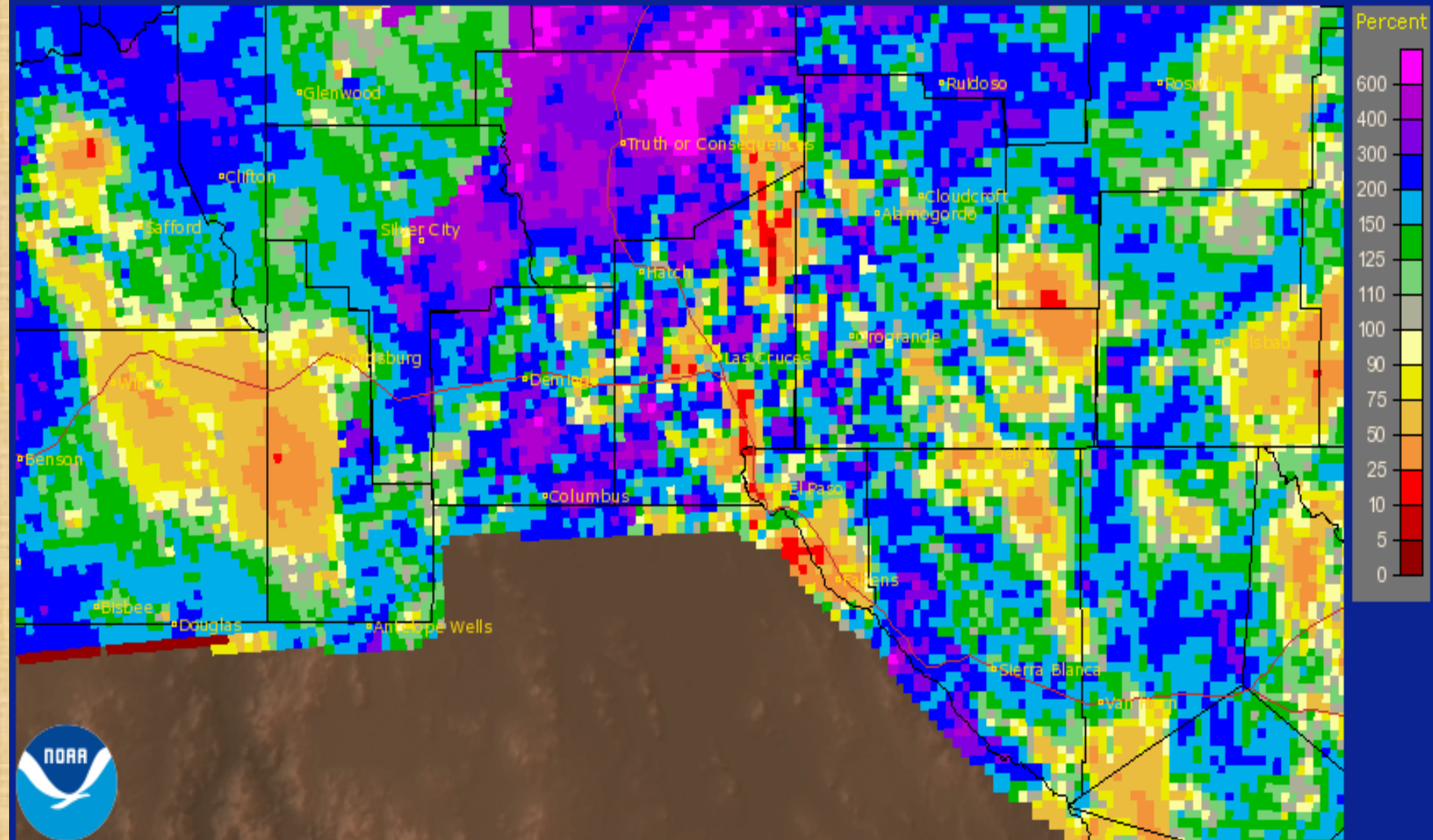
June 2015 radar rainfall estimate with surface rainfall reports

El Paso, TX (EPZ): Current 30-Day Observed Precipitation
Valid at 6/30/2015 1200 UTC - Created 7/1/15 0:32 UTC



June 2015 Radar Rainfall Estimate (Percent of normal)

El Paso, TX (EPZ): Current 30-Day Percent of Normal Precipitation
Valid at 6/30/2015 1200 UTC - Created 7/1/15 0:33 UTC

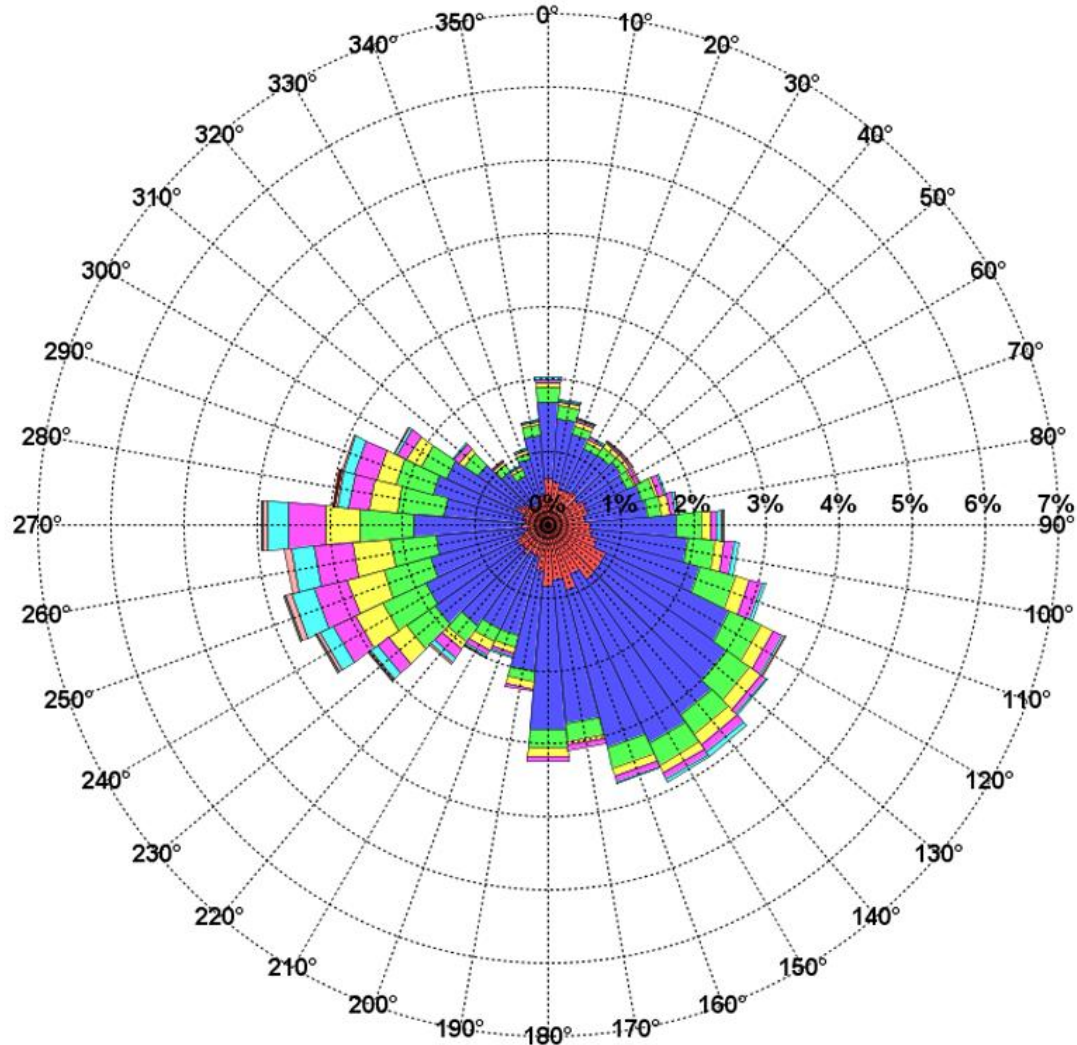


Special Features

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

Month: JUNE
Calm: 8.00%
Variable: 3.55%

WindRose - KELP - EL PASO INTL
% Frequency of Wind Speed from a Direction
POR:19730101-20140602



Selected weather reports June 2015

Date/Time	Location	Event
6/08/2015 1116 PM	HILLSBORO-GRANT	1.82 INCH HEAVY RAINFALL
6/17/2015 425 PM	SANTA TERESA-DONA ANA	50 MPH TSTM WIND GUST
6/17/2015 527 PM	LA LUZ-OTERO	1.00 INCH DIAMETER HAIL
6/17/2015 847 PM	LAS CRUCES-DONA ANA	LOCAL FLOODING
6/19/2015 245 PM	HWY 82 7 E CLOUDCROFT	4-5 INCHES OF HAIL ON ROAD
6/19/2015 818 PM	DEMING-LUNA	57 MPH PEAK WIND GUST
6/21/2015 615 PM	3 SW LAS CRUCES @ NMSU	50+ MPH WIND FELLED TREES
6/27/2015 143 PM	EL PASO INT AIRPORT	55 MPH PEAK WIND GUST
6/27/2015 418 PM	7 NNW SPARKS-EL PASO	55 MPH GUST TREES DOWN
6/28/2015 145 PM	8 ENE MANGAS SPRINGS-GRANT	1 INCH OF RAIN IN 30 MINS