September 2019 Weather Summary

September ends the official Monsoon season and this Monsoon season was definitely a mixed bag for rainfall. For the month of September, the final rainfall totals show that much of the Rio Grande Valley from El Paso north were below normal, while most of the area on either side of the valley was above normal. Helping the rain totals out were the remains of Hurricane Lorena, which moved up to the area on the 20th and 21st. However most of the rain was limited to areas east of El Paso.

Temperatures for September were once again above normal, mostly due to consistently warm overnight lows. The lows were so warm that many mountain sites that average their first freeze of the season in late September, did not experience one this September.

Recapping the Monsoon season, overall the rainfall totals were not too bad, as much of southern New Mexico and west Texas were above normal. Unfortunately, the greater El Paso metro area was significantly below normal, giving the appearance of a disappointing Monsoon season. Much of the metro area was only at about 50 to 75 percent of normal. However, most of the area outside of the metro area ended up
at around 110 to 150 percent of normal.

What is in store for October? Well, we know it continues to cool. El Paso’s average high temperature on the 1st is 83 degrees, while on the last day of the month the average high is 73. Daylight continues its downward trend, beginning at 11 hours and 51 minutes of daylight, and ending the month at 10 hours and 56 minutes of daylight. Our full moon for the month occurs on the 13th.
September 7  Thunderstorm near El Paso

September 27 near Las Cruces

September 27 near El Paso
September Lightning Show

September 7 Las Cruces

September 9

September 13

September 27 Vado
ENSO conditions are neutral - alert system is not active

**ENSO Alert System**

- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.

- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.
ENSO is now in a neutral phase and is expected to remain that way through the winter.
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 24, 2019

June 25, 2019
Current drought conditions for Texas as of September 24, 2019

Intensity:

- 0 - Abnormally Dry
- 1 - Moderate Drought
- 2 - Severe Drought
- 3 - Extreme Drought
- 4 - Exceptional Drought

Build your own custom slider maps here at:
http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx
U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for September 19 - December 31, 2019
Released September 19

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).

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NOAA/NWS/NCEP/Climate Prediction Center

http://go.usa.gov/3eZ73
Temperature and precipitation data for September 2019 in El Paso

Daily Temperature Data – El Paso Area, TX (ThreadEx)

(Record Warm Low Temps)

Accumulated Precipitation – El Paso Area, TX (ThreadEx)
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values
2019 year-to-date temperature and precipitation data El Paso

El Paso TX - 2019

Temperature (deg F)

Precipitation (inches)

Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

120  110  100  90  80  70  60  50  40  30  20  10  0  -10

18  16  14  12  10  8  6  4  2  0

Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

4.29
Temperature and precipitation outlook for October 2019

Temperature

Precipitation

One-Month Outlook
Temperature Probability
0.5 Month Lead
Valid Oct 2019
Made 19 Sep 2019

One-Month Outlook
Precipitation Probability
0.5 Month Lead
Valid Oct 2019
Made 19 Sep 2019

EC Means Equal
A Means Above
B Means Below

Probability of Below
Probability of Normal
Probability of Above
Temperature and precipitation outlook
For October-December 2019

Temperature

Precipitation
September 2019 radar rainfall estimate with surface rainfall reports

Inches

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Created by the NWS Forecast Office
El Paso, TX

Source: NWS Advanced Hydrologic Prediction Service
Created: 10/01/2019 2000 UTC
September 2019 radar rainfall estimate percent of normal

[Map showing rainfall estimates with a color scale from 0 to 600% of normal, covering regions such as Juárez, Nuevo Casas Grandes, and Galena National Forest.]
Final Monsoon (Jun 15-Sep 30) Season Rainfall and normals for El Paso and Cloudcroft

Accumulated Precipitation - EL PASO INTL AP, TX

- El Paso
  - 2019 accumulation
  - Normal: 5.70"
  - Actual: 2.61"

Accumulated Precipitation - CLOUDCROFT, NM

- Cloudcroft
  - 2019 accumulation
  - Normal: 16.42"
  - Actual: 9.78"
Special Features

http://www.srh.noaa.gov/epz/?n=elpwindrosedata
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<th>Date/Time</th>
<th>Location (County)</th>
<th>Event</th>
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<td>EL PASO 11 NE-EL PASO</td>
<td>70 MPH THUNDERSTORM GUST</td>
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<td>SEPTEMBER 8 929 PM</td>
<td>HOLLOMAN AFB-OTERO</td>
<td>62 MPH THUNDERSTORM GUST</td>
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<td>TRUTH OR CONSEQUENCES-SIERRA</td>
<td>HEAVY RAIN; STREET FLOODING</td>
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<td>SEPTEMBER 24 430 PM</td>
<td>SIERRA BLANCA AREA-HUDSPETH</td>
<td>LANDSPOUT TORNADO</td>
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Just click on “Local Programs>Weather Digest”, then choose which month’s Digest to view. Also, though discontinued, don’t forget to check out our back issues of Southwest Weather Bulletin.
NWS DOPPLER RADAR
WATCHING THE MONSOON SKIES
OVER EL PASO 24/7