

# Heavy Rainfall / Flash Flooding Briefing





## NWS El Paso

Prepared by: Zak Aronson/ Anthony Brown

Date: August 28, 2025



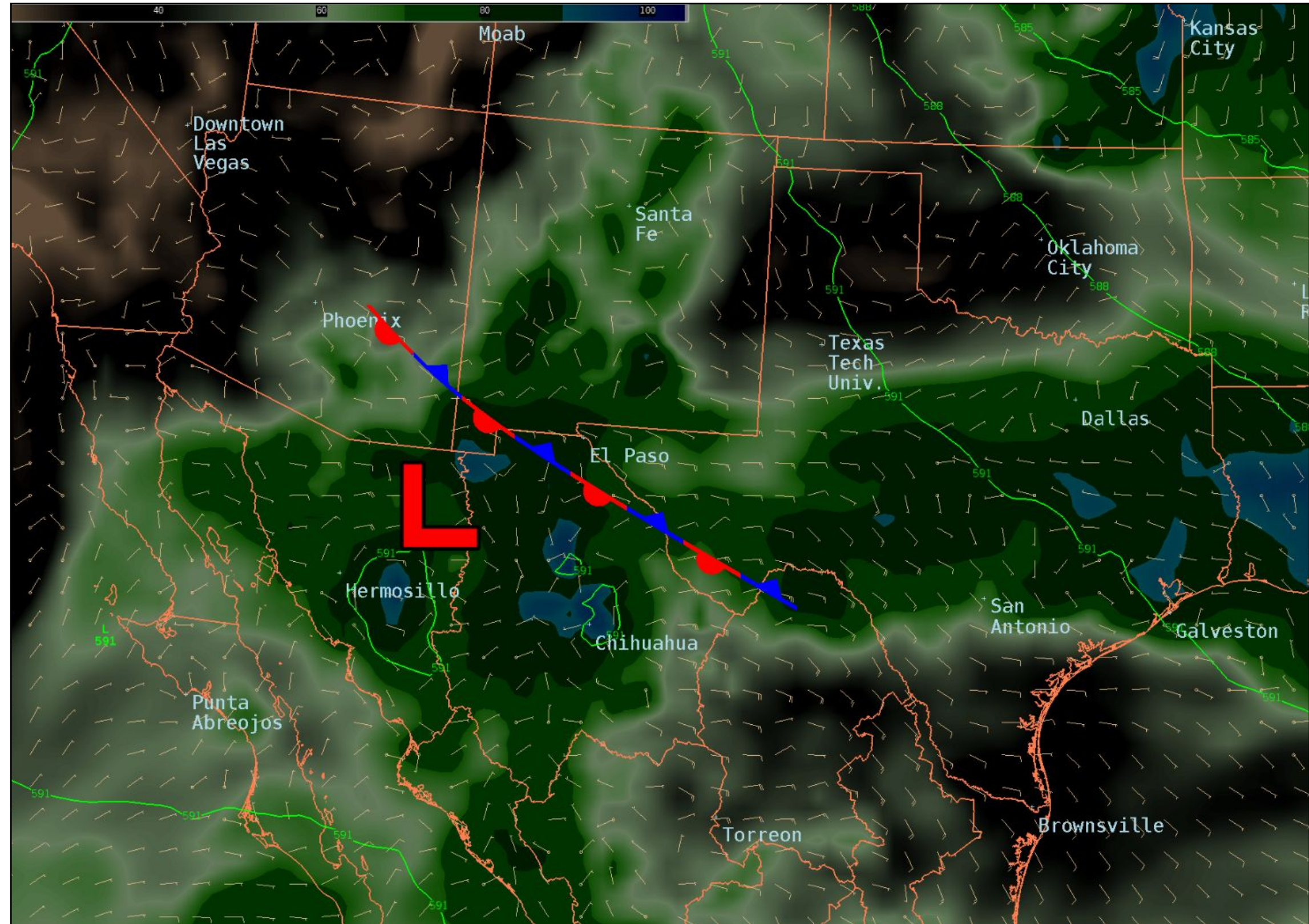
NATIONAL WEATHER SERVICE  
EL PASO, TX

Follow:     @NWSEIPaso



## Key Messages:

- Typical monsoonal pattern through Friday
- A cold front will stall along the US-Mexico border by Saturday evening
- Stalled front will linger through at least Monday
- Meanwhile, a weak upper-level low will also move into the area
- **This will be a set-up for heavy rainfall/flash flooding Saturday through Monday**





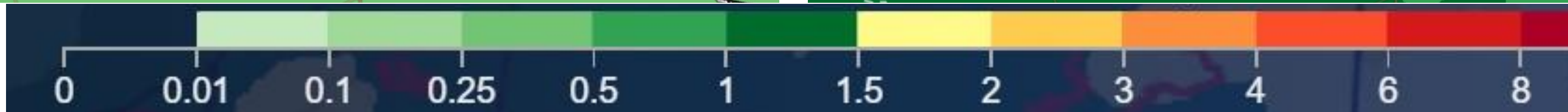
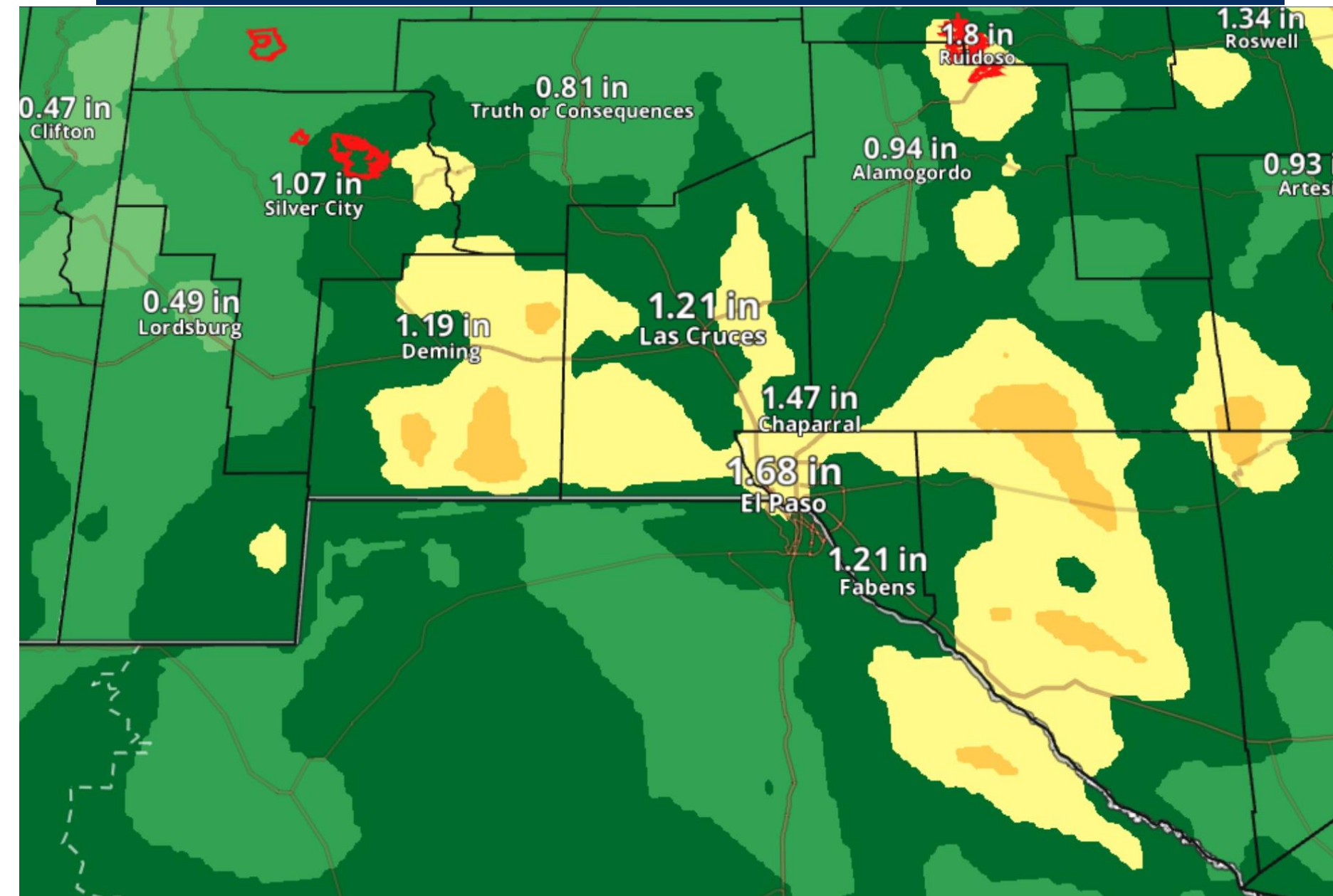
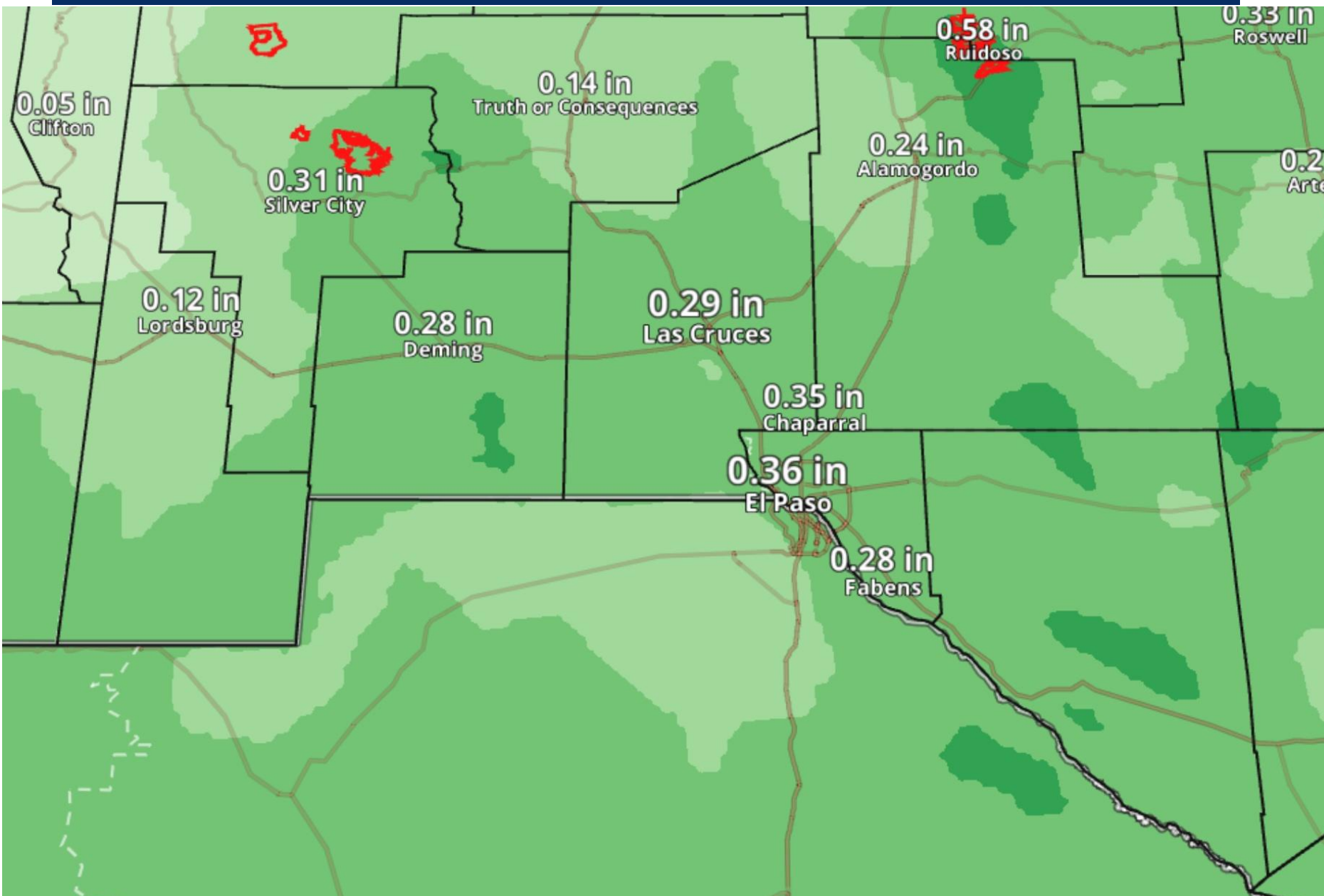
# 72-hour Exceedances





August 28, 2025  
12:22 PM

Valid 6am Sat - 6am Tue

25th Percentile or 75% chance of greater

75th Percentile or 25% chance of greater



Follow:     @NWSElPaso

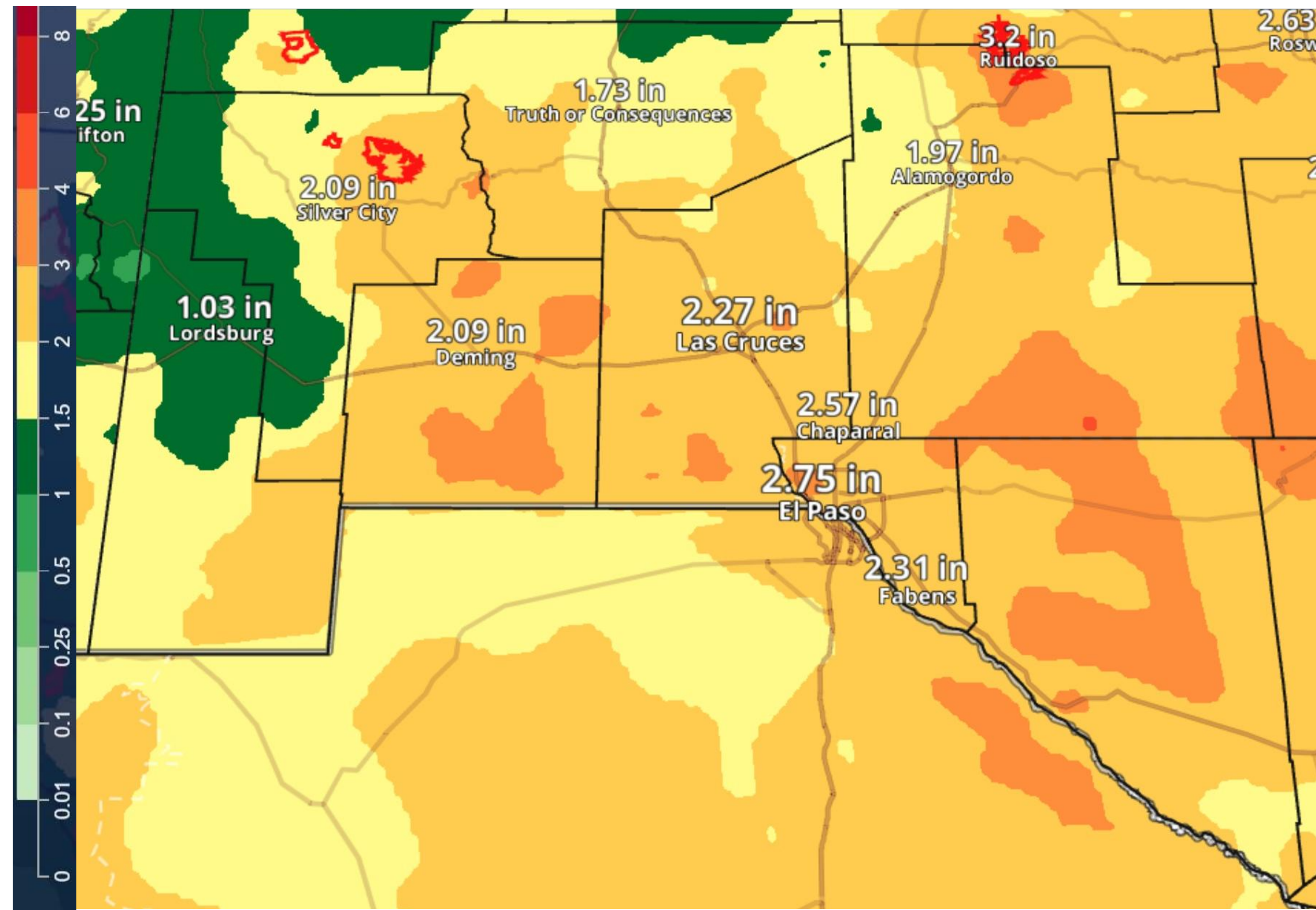


# 95th Percentile or 5% Chance of Exceedance

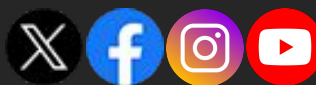
August 28, 2025  
12:22 PM

- Heaviest totals will mirror these values, i.e. reasonable worst-case scenario
- Isolated locations will receive roughly these amounts or greater, leading to a risk for flash flooding
- 1-hour rainfall up to 2"
- Slow & erratic storm motions
- High Risk for burn scar flooding, especially across the Sacramento Mountains

72 Hour Total Valid 6am Sat - 6am Tue



Follow:



@NWSElPaso



# Rain/Thunderstorm Chances

August 28, 2025  
12:22 PM

## Probability of Precipitation Forecast

	8/29 Fri			8/30 Sat				8/31 Sun				9/1 Mon				9/2 Tue			
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Alamogordo	10	45	65	35	10	60	60	45	40	75	60	50	45	55	30	20	10	20	20
Cloudcroft	15	70	65	35	15	80	60	50	50	90	65	50	55	70	30	20	10	40	20
Deming	5	25	50	15	10	30	55	35	25	65	65	45	40	50	45	25	20	25	25
El Paso	5	25	55	30	10	25	65	50	30	70	70	60	55	40	40	25	25	15	25
Las Cruces	5	35	55	30	10	30	60	55	35	70	65	55	50	40	40	25	20	20	25
Lordsburg	10	25	30	10	10	40	40	20	15	60	55	25	30	55	45	20	15	30	30
Sierra Blanca, TX	0	45	55	25	5	55	70	50	30	85	65	55	50	55	40	30	25	40	25
Silver City	10	40	40	10	10	50	45	25	20	75	60	30	30	70	45	20	15	45	30
T or C	5	50	45	15	5	40	45	30	25	60	55	35	30	45	35	15	10	15	20





\*Table values in %

\*\*Created: 12 pm MDT Thu 8/28/2025

\*\*\*Values are maximums over the period beginning at the time shown.

Don't see your city? Check out [weather.gov/forecastpoints](https://weather.gov/forecastpoints)



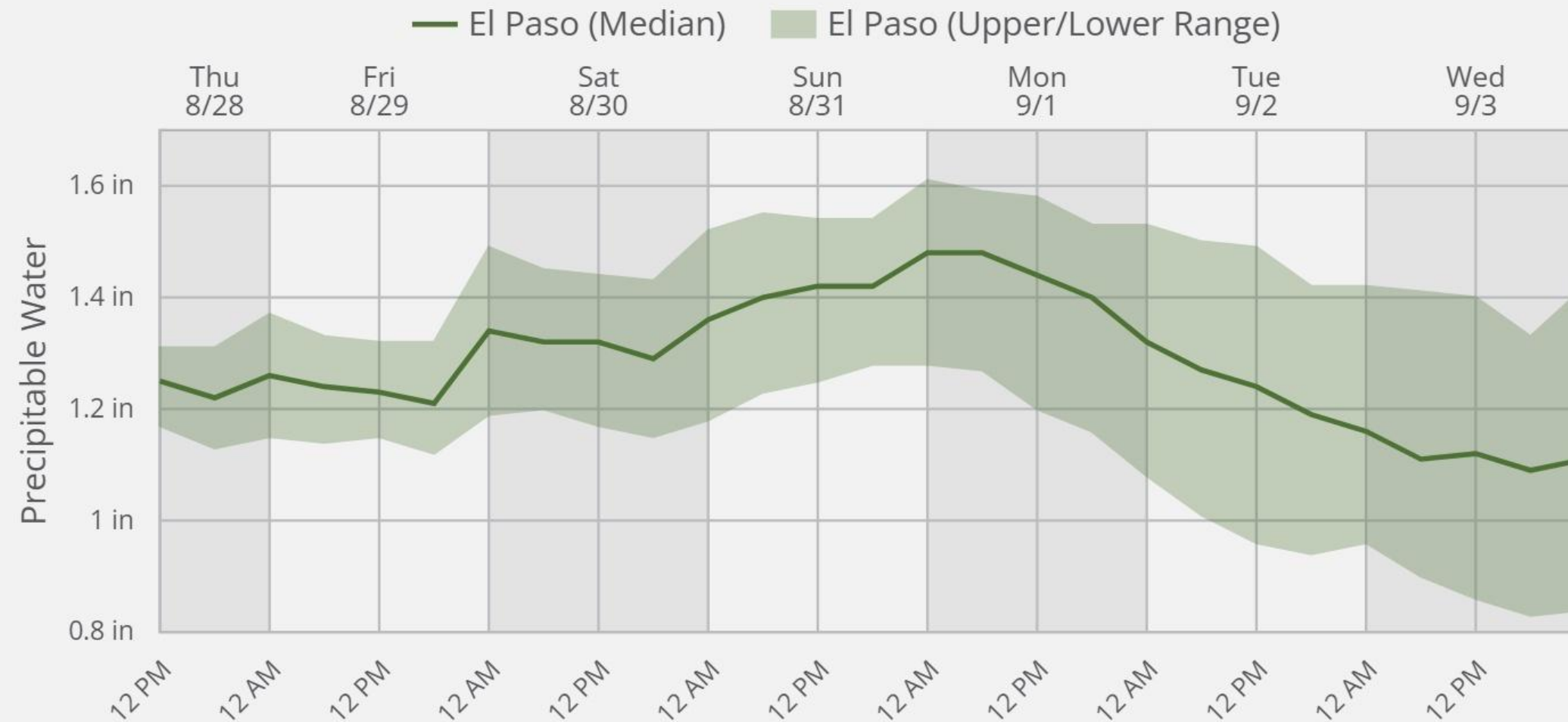
Follow:     @NWSEIPaso





## Precipitable Water Trend

Thursday Afternoon, Aug 28 - Wednesday Evening, Sep 3



### Information:

The range line chart shows the lower, median, and upper percentiles of a weather event occurring based on model predictions from the ENS, GEFS and GPS ensembles. A larger shaded area means less certainty.

## Additional Details

### Moisture Trend:

- Precipitable Water (PWAT) is a measure of total moisture in the atmosphere
- Moisture levels will increase through Sunday to well-above normal, then are modeled to diminish into midweek
- Average PWATs for late August is near 1"
- Record highs are 1.5-1.6"





### What Does It Mean?

- Higher PWATs = higher flash flood risk

Valid: Thu 12 pm MDT - Thu 12 am MDT

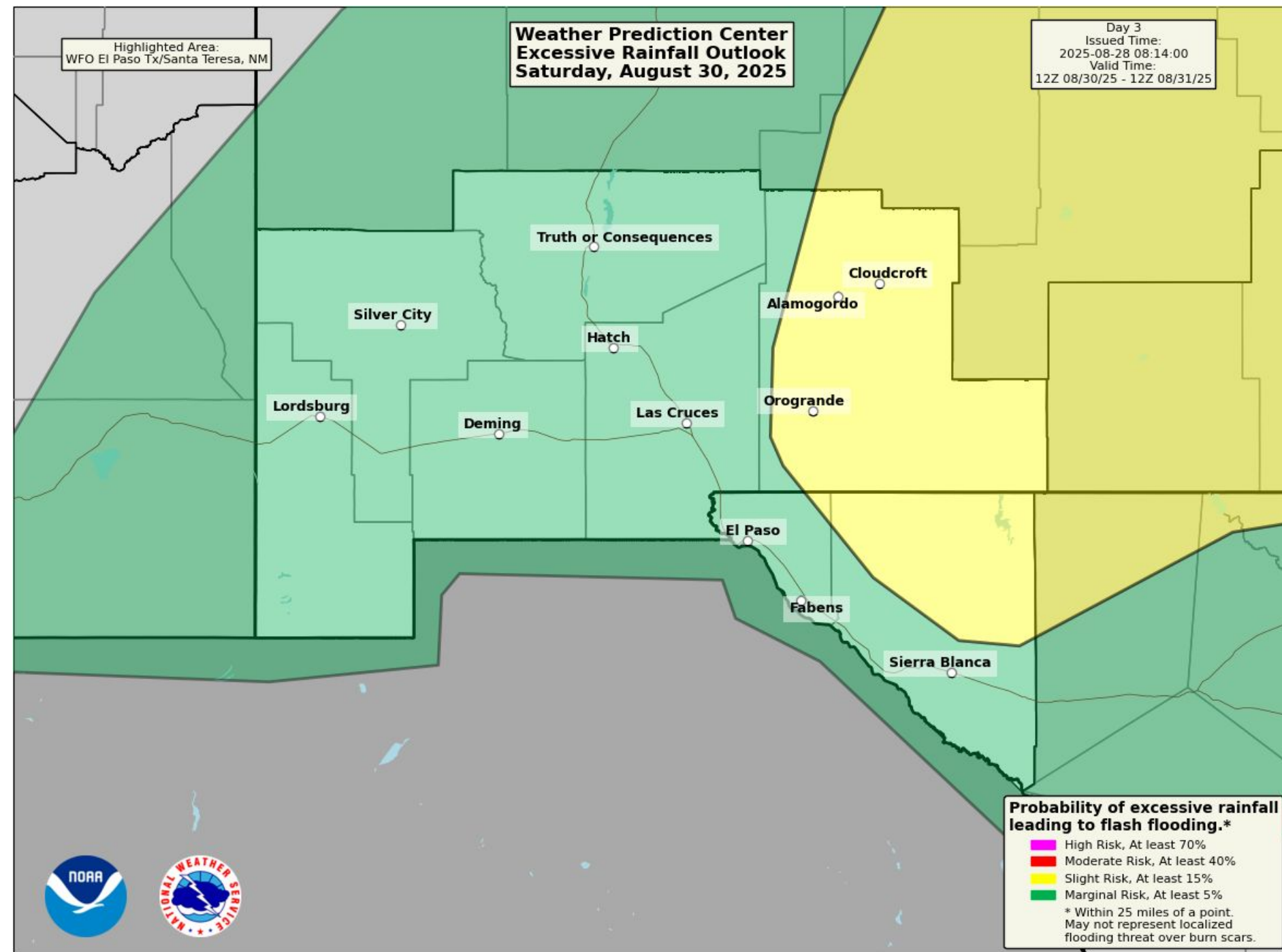
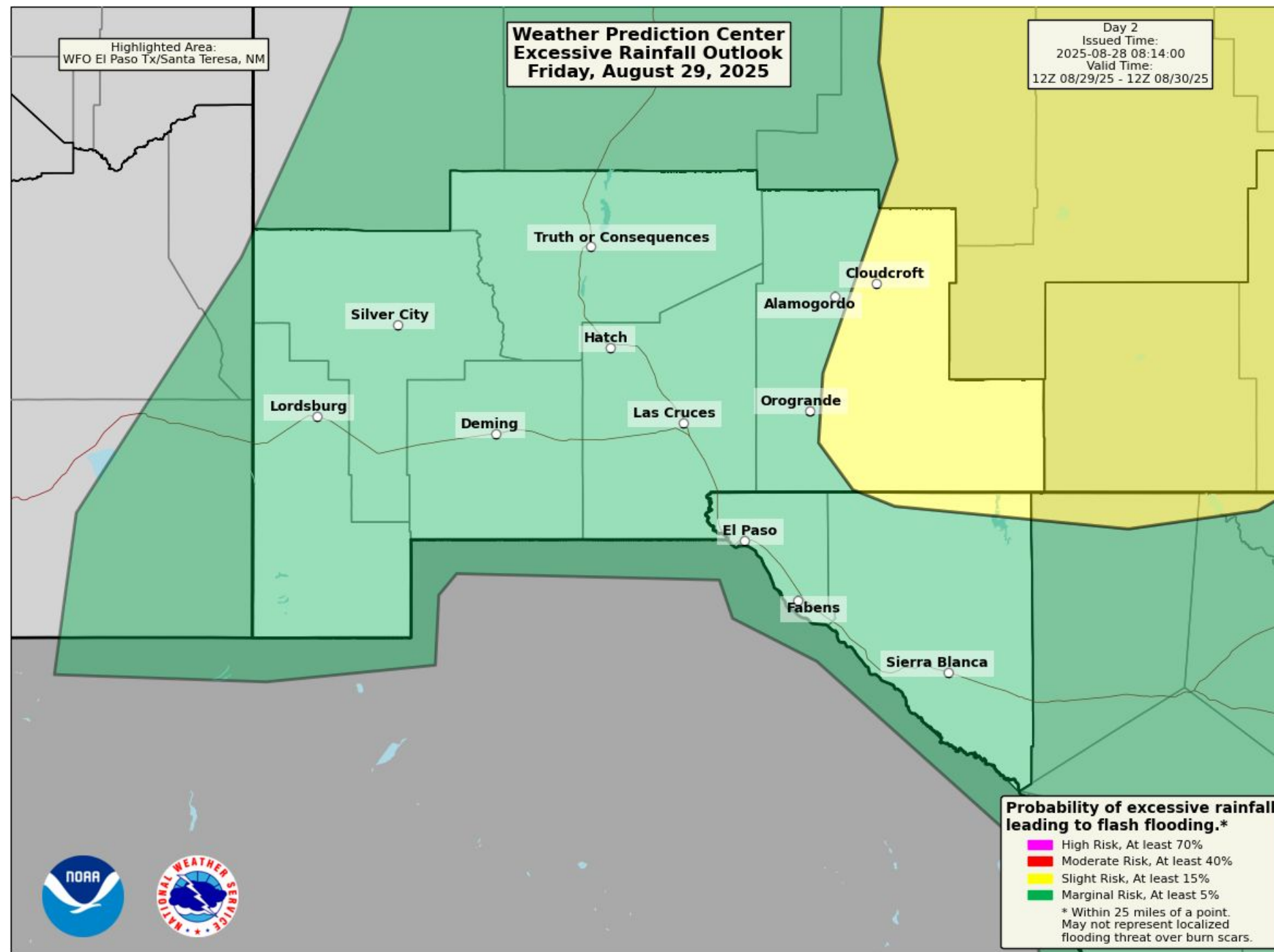
Issued: Thu, Aug 28, 2025, 11 am MDT







Follow:     @NWSEIPaso

# Excessive Rainfall Risk

August 28, 2025  
12:22 PM

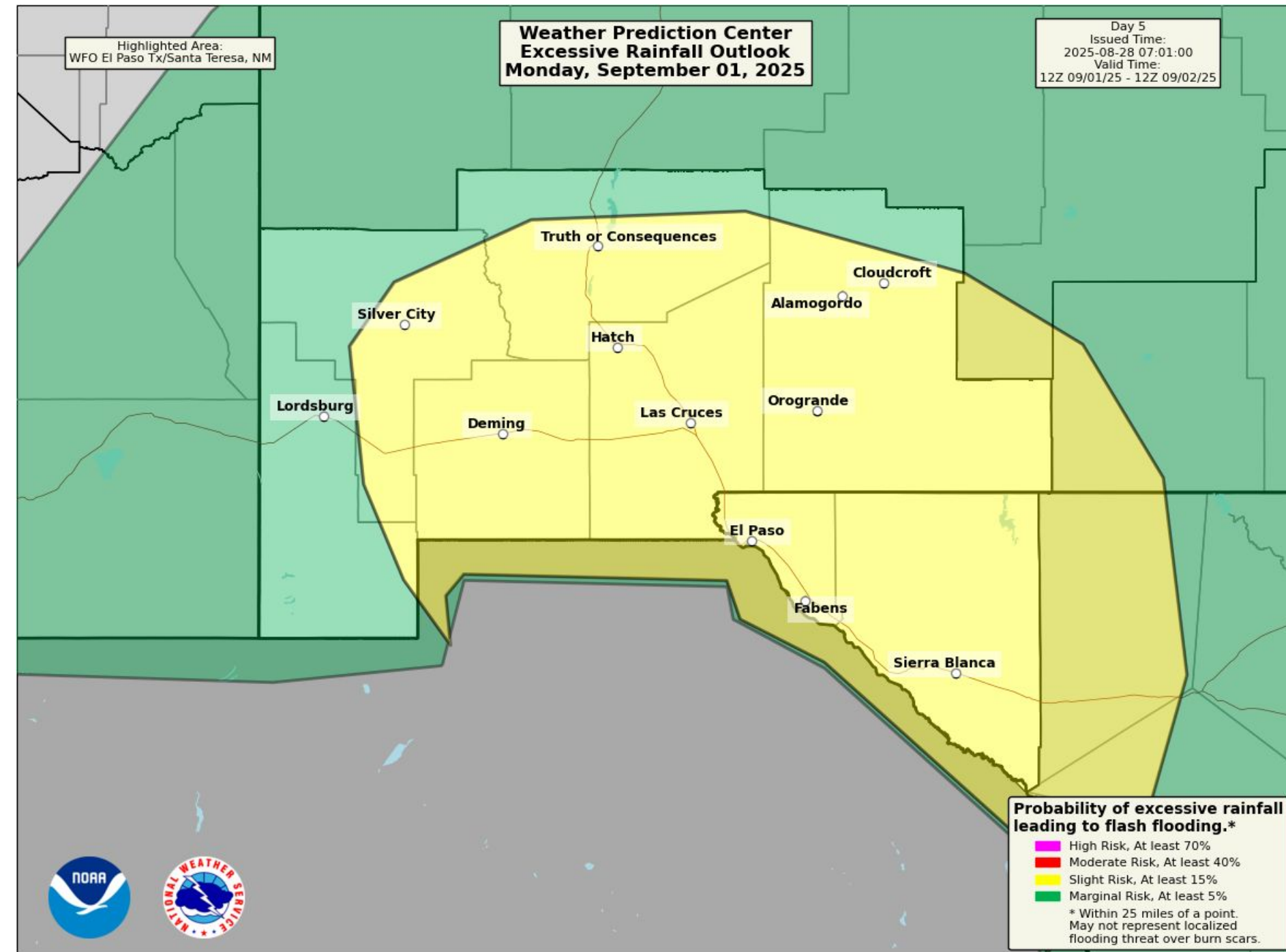
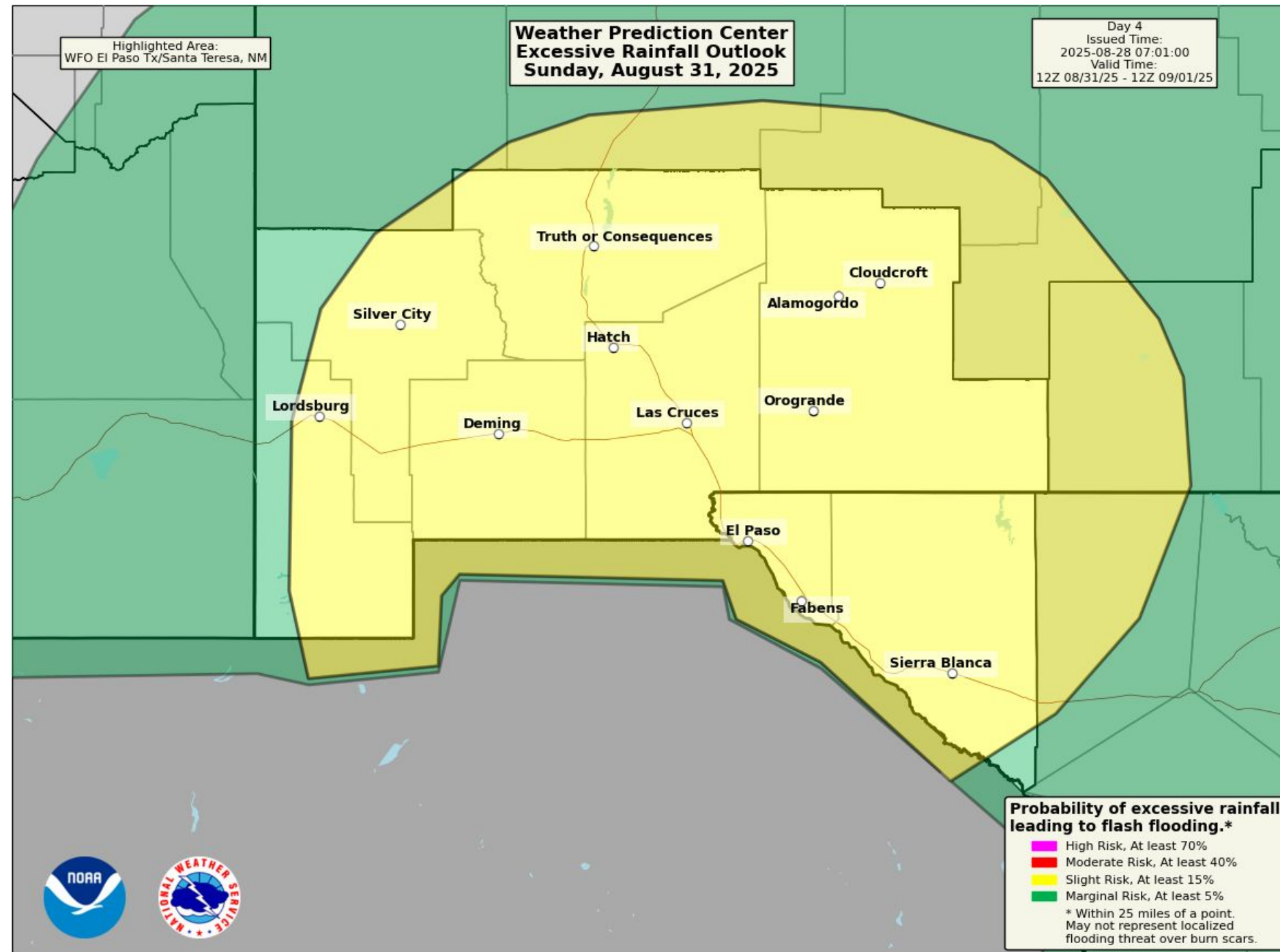






Follow:     @NWSEIPaso









# Excessive Rainfall Risk

August 28, 2025  
12:22 PM



Follow:     @NWSEIPaso



Understanding WPC Excessive Rainfall Risk Categories				
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.	
<a href="http://www.wpc.ncep.noaa.gov">www.wpc.ncep.noaa.gov</a> @NWSWPC				
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
  <b>WEATHER PREDICTION CENTER</b>				



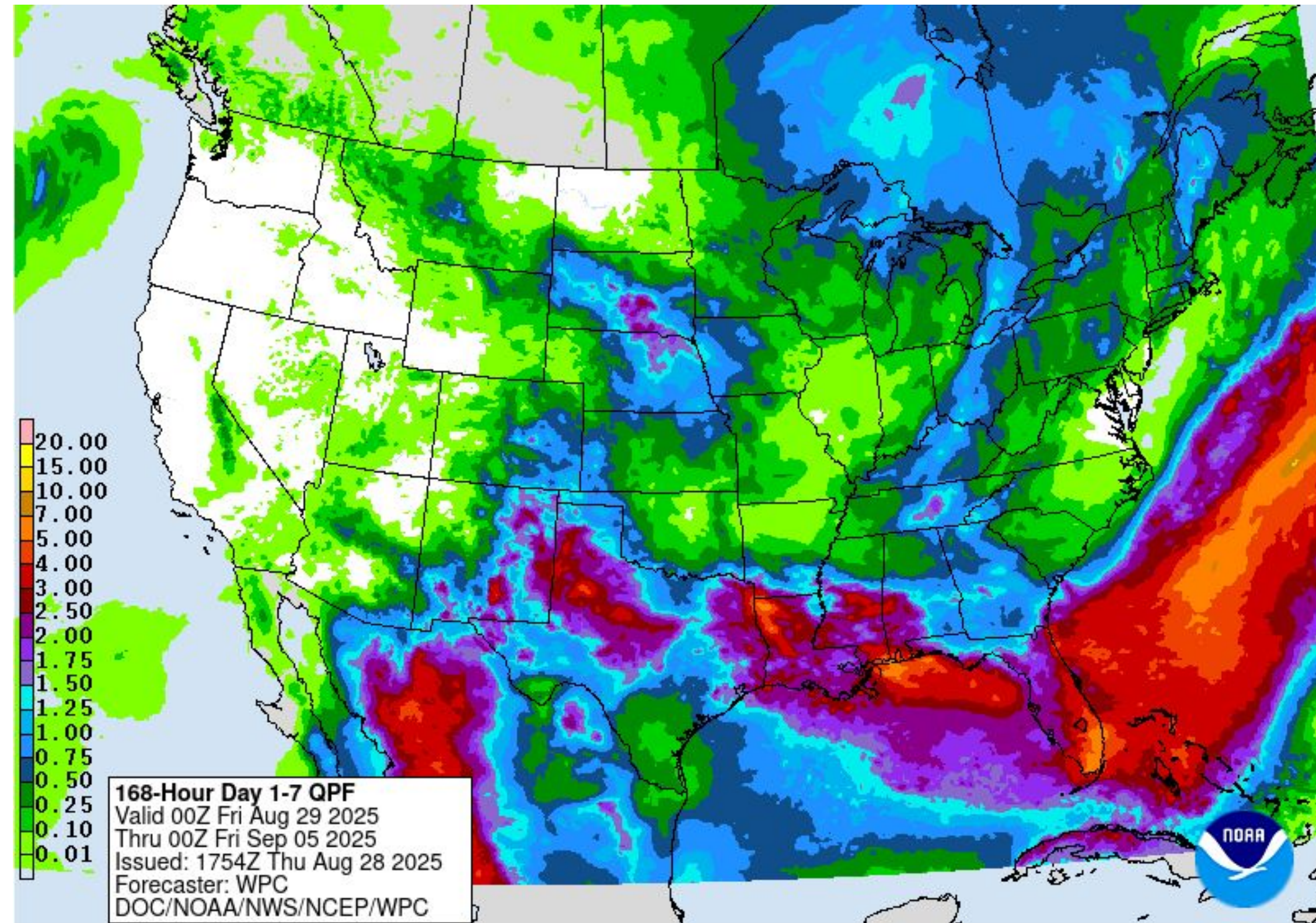






# 7-Day Precipitation Forecast

August 28, 2025  
12:22 PM

- Rainfall totals will be “hit or miss”
- Most locations will see over an inch of rain through midweek
- Some will see less, and some much more (3+ inches)

Valid 6pm 8/28 - 6pm 9/4

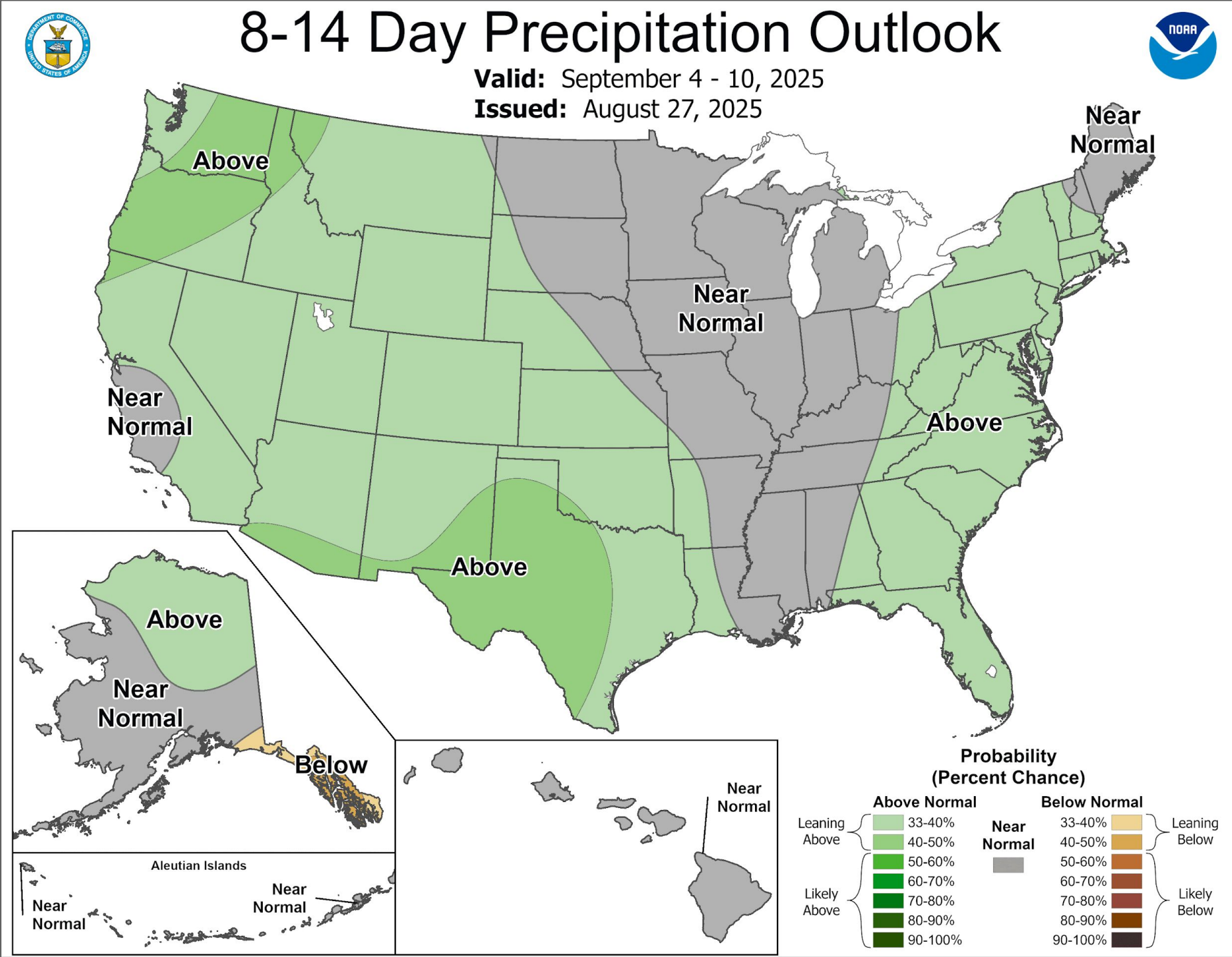
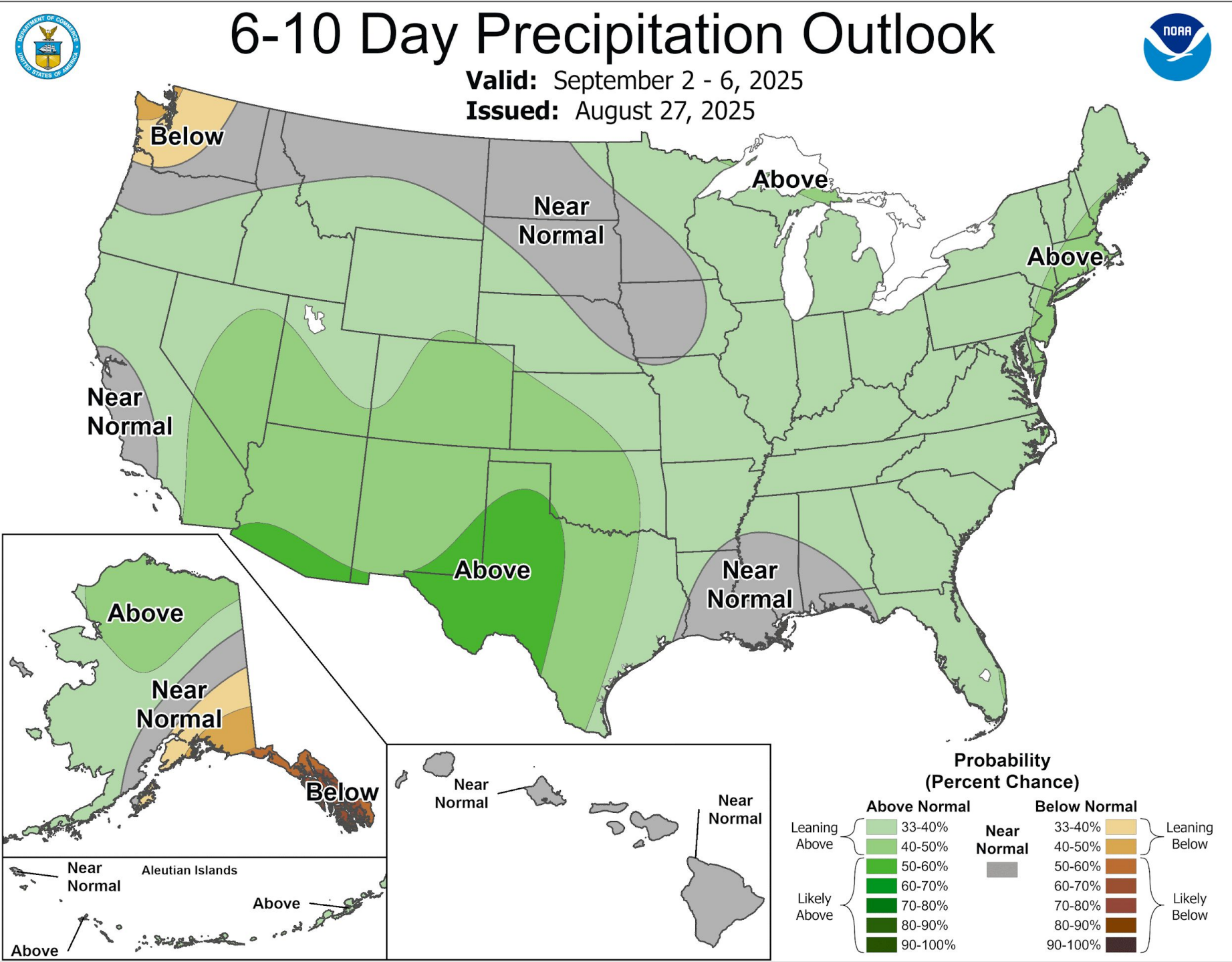


Follow:     @NWSEIPaso



# Long-Range Precipitation Outlook

August 28, 2025  
12:22 PM



40-60% chance of above normal rainfall from 9/2 to 9/6 (Normal for El Paso: ~0.25")

33-50% chance of above normal rainfall from 9/4 to 9/10 (Normal for El Paso: ~0.4")



Follow:     @NWSEIPaso

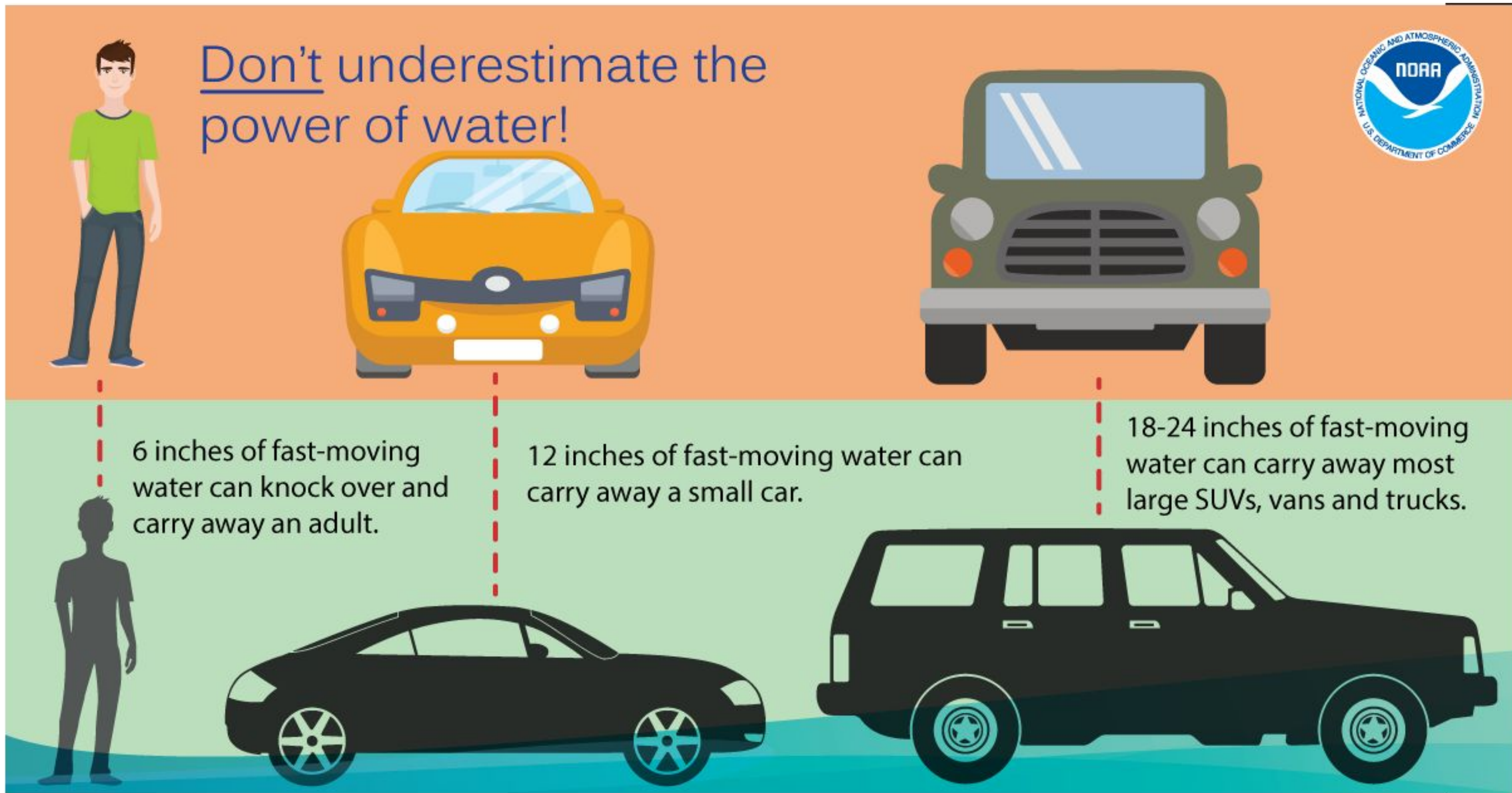


## Key Messages:

- A slow-moving frontal boundary moves into the region this weekend, resulting in well above normal moisture levels and scattered-widespread thunderstorm activity
- Storms may produce torrential rainfall and flash flooding
- In isolated locations, rainfall may exceed 3"
- **Highest flash flood risk is forecast for Sunday**
- Low threat of gusty winds and small hail
- Temperatures falling to below normal early next week
- **Although there are no flood products out currently, Flood Watches may be issued by the weekend**













NWS El Paso  
Meteorologist

[nws.elpaso@noaa.gov](mailto:nws.elpaso@noaa.gov)  
575-589-3972 (Office)

Greg Lundeen  
Meteorologist in Charge (acting) [greg.lundeen@noaa.gov](mailto:greg.lundeen@noaa.gov)  
915-241-7320

