



Weekly Weather Briefing

July 22, 2024

HIGH BURN SCAR FLASH FLOODING RISK TODAY - WEDNESDAY | LOWER STORM CHANCES END OF THE WEEK



Gavilan Bridge (left) and White Mountain/George McCarty Drive (right) - 1230AM last night from 0.5" of rain - Courtesy of Ruidoso OEM
Ruidoso, NM | July 21-22, 2024



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U.S. Department of Commerce

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Albuquerque, NM



Weekly Weather Briefing

CoCoRaHS Reports for Past Week

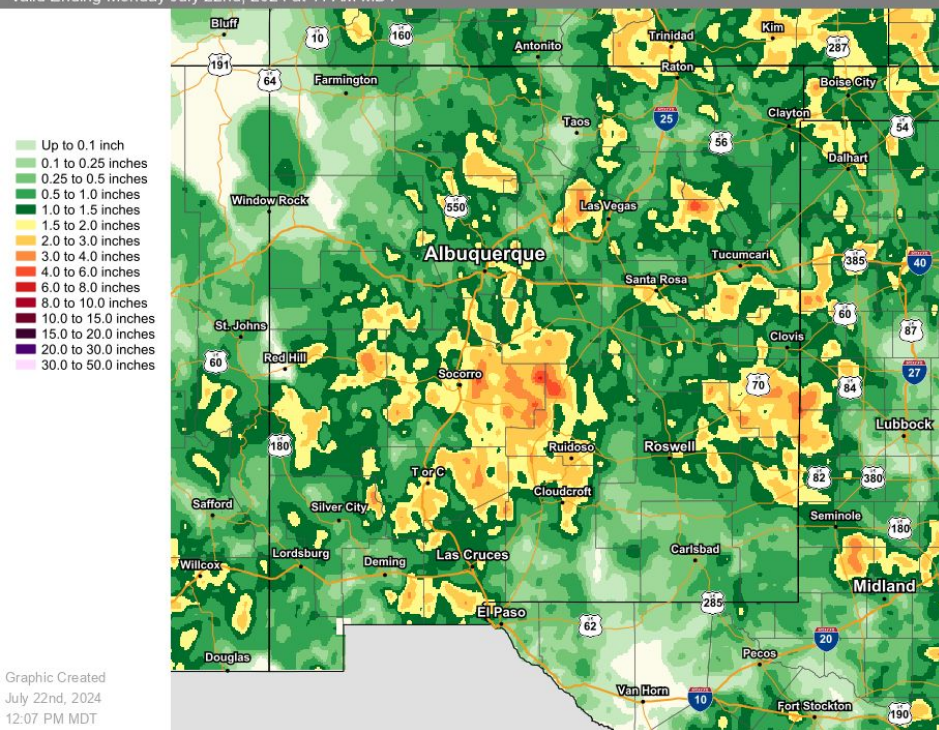
Valid: July 15 - 22, 2024

Station	Precipitation (in)
Las Vegas 8.7 SW	3.89
McAlister 7.7 N	3.80
Tijeras 5.1 E	3.33
Glorieta 2.4 E	3.22
Roswell 5.5 E	3.10
Causey 11.0 S	3.05
Portales 2.0 N	3.00
Rowe 2.7 NNW	2.81
Nogal 4.6 SSE	2.75
Tijeras 8.2 SSE	2.72
Los Alamos 2.5 WSW	2.65
Cloudcroft 4.0 E	2.46
Ruidoso 3.2 SW	2.28
NWS Albuquerque (NM-BR-292)	0.56



Observed Precipitation

Valid Ending Monday July 22nd, 2024 at 11 AM MDT



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Weekly Weather Briefing

Temperature and Precipitation Outlook

Location	Maximum Temperature							Probability of Precipitation						
	Mon 07/22	Tue 07/23	Wed 07/24	Thu 07/25	Fri 07/26	Sat 07/27	Sun 07/28	Mon 07/22	Tue 07/23	Wed 07/24	Thu 07/25	Fri 07/26	Sat 07/27	Sun 07/28
Albuquerque	83	88	92	92	93	92	92	60	30	30	20	40	50	30
Santa Fe	77	83	86	87	88	87	87	60	40	40	20	40	40	30
Farmington	89	92	94	95	92	90	92	20	0	10	30	40	20	10
Gallup	86	89	92	91	88	87	87	50	20	30	50	60	40	30
Grants	81	85	88	87	85	84	86	70	40	50	40	70	50	40
Clayton	78	85	90	91	90	90	90	40	0	0	0	0	10	10
Raton	75	83	87	88	88	87	87	60	20	10	0	20	30	30
Las Vegas	69	76	80	82	83	82	82	80	50	40	20	40	50	40
Moriarty	76	82	86	87	88	88	89	60	40	40	20	40	50	40
Tucumcari	79	86	92	93	92	92	93	60	10	0	0	10	10	10
Clovis	78	86	90	93	91	91	92	60	10	0	0	10	10	10
Roswell	81	88	94	96	94	95	96	60	10	0	0	10	20	10
Socorro	87	90	94	95	95	94	95	60	30	30	20	40	40	40
Chama	73	77	80	82	80	79	81	80	60	60	50	80	60	50
Taos	77	82	84	86	86	85	86	60	40	40	20	50	50	30
Angel Fire	66	71	74	77	77	76	77	80	60	50	30	60	70	50
Los Alamos	73	78	82	83	83	81	82	70	70	70	50	70	60	50
Ruidoso	68	75	78	80	80	80	81	80	60	40	30	40	50	50
Quemado	82	84	87	86	84	82	83	70	70	70	70	80	80	60

- **High Temps:** Below normal today & Tuesday becoming near normal the rest of the week
- **Precipitation:** Highest chances today & Tuesday with lowest chances on Thursday






Weekly Weather Briefing

Burn Scar Thunderstorm Matrix

Thunderstorm Threat Guidance

Recent Burn Scars

Weather Forecast Office
Albuquerque, NM
Issued July 22, 2024 1:43 AM MDT






Northern Group	Today	Tuesday	Wednesday	Thursday	Friday
Hermits Peak/Calf Canyon (2022)	Very High	High	High	Slight	High
Cerro Pelado (2022)	High	High	High	Moderate	High
Indios (2024)	Very High	High	High	Moderate	High
STORM MOTION (mph)	S 5-10	S 10-20	S 5-10	S 5-10	S 5-10

Southern Group	Today	Tuesday	Wednesday	Thursday	Friday
Blue 2 (2024)	Very High	High	Moderate	Slight	Moderate
McBride (2022)	Very High	High	Moderate	Slight	Moderate
South Fork (2024)	Very High	High	Moderate	Slight	Moderate
STORM MOTION (mph)	S 10-20	S 10-20	SW 5-10	SW 5-10	S 5-10

MOISTURE CONTENT	Above Normal	Average	Average	Average	Average
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Table indicates the probability for thunderstorms over wildfire burn areas. Storm motion and atmospheric moisture content are also listed as these factors can have considerable influence on the risk for burn scar flash flooding. Storm motion is the direction that storms will move toward. This product is experimental and for planning purposes only. Refer to the latest bulletins from the NWS concerning immediate threats for flash flooding. For a map of the burn scars, please visit: <https://www.weather.gov/images/abq/BurnScarMap2024.png>

Very Low < 10%	Slight = 10-39%	Moderate = 40-59%	High = 60-79%	Very High = 80%+
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NWSAlbuquerque

weather.gov/abq

IMPORTANT

It only takes one storm in the wrong location to make it a bad day!

Risk trends higher early in the week. Period of greatest concern Today and Tuesday.



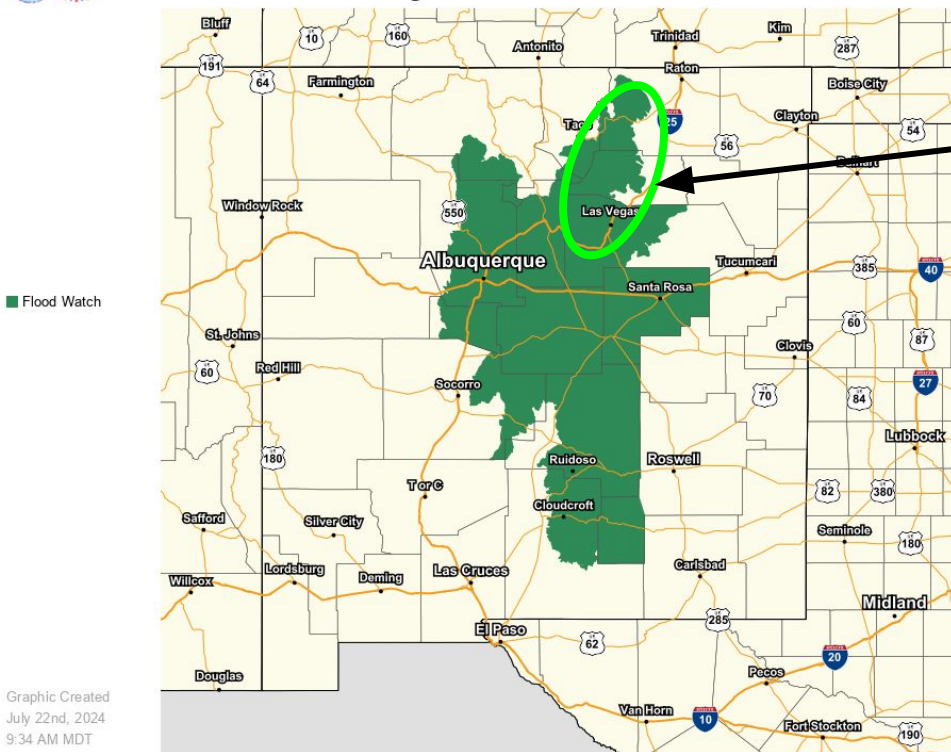


Weekly Weather Briefing

Flood Watch - Today 12PM to 10PM (dark green area)



Flood Watches Warnings and Advisories



Flood Watch
Tomorrow July 23 -
12PM to 6PM

Graphic Created
July 22nd, 2024
9:34 AM MDT



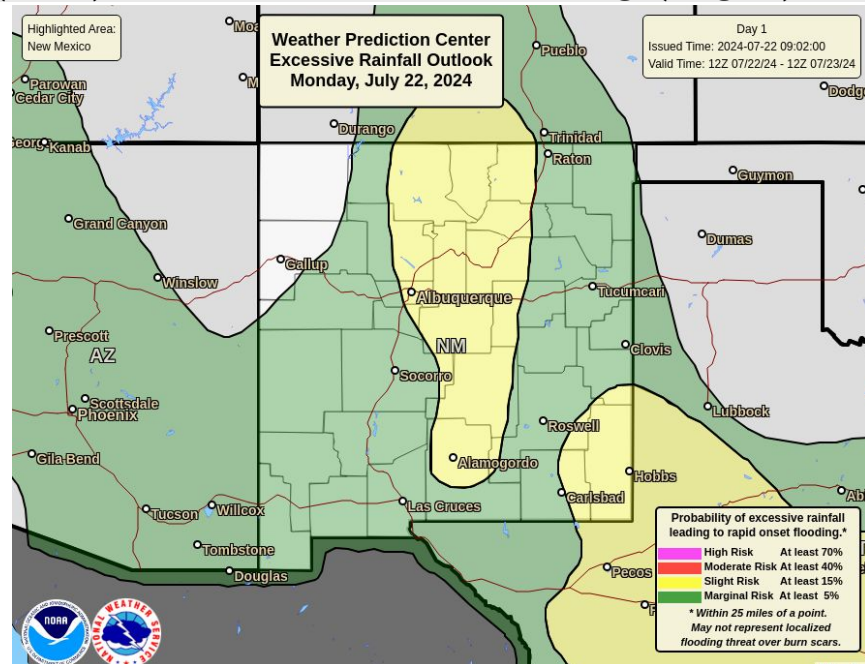
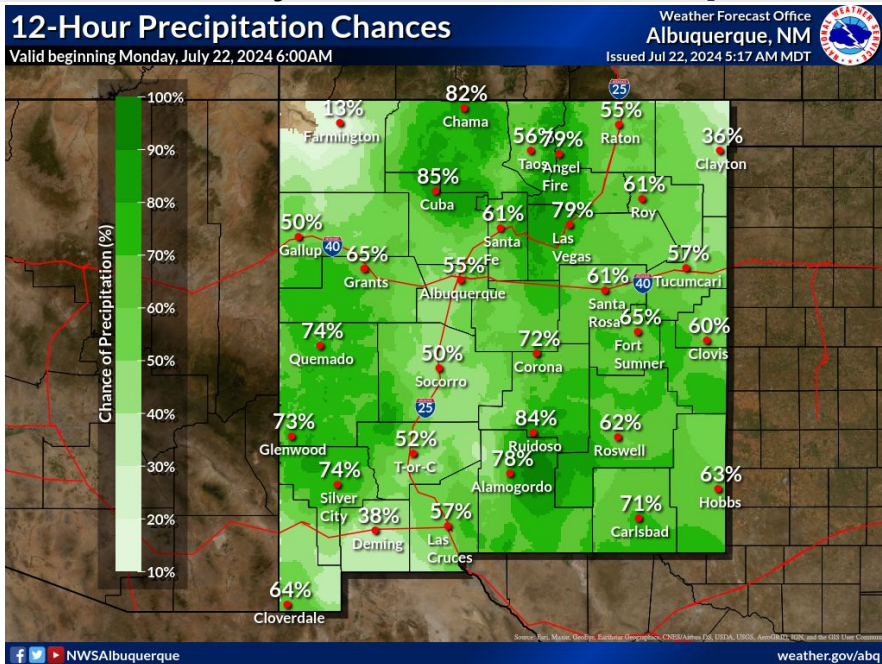
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Weekly Weather Briefing

Monday: Chances for Precipitation (Left) | Risk for Flash Flooding (Right)



- Numerous thunderstorms, some of which are likely to produce locally heavy rainfall, gusty winds, small hail.
- **Extreme** Risk for flash flooding on HPCC burn scar and Sacramento Complex | Urban flash flooding.





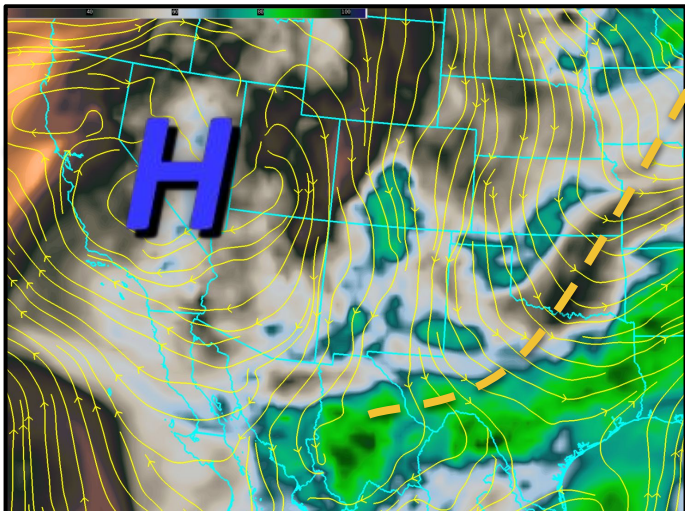
Weekly Weather Briefing

Tonight

Potential Impacts

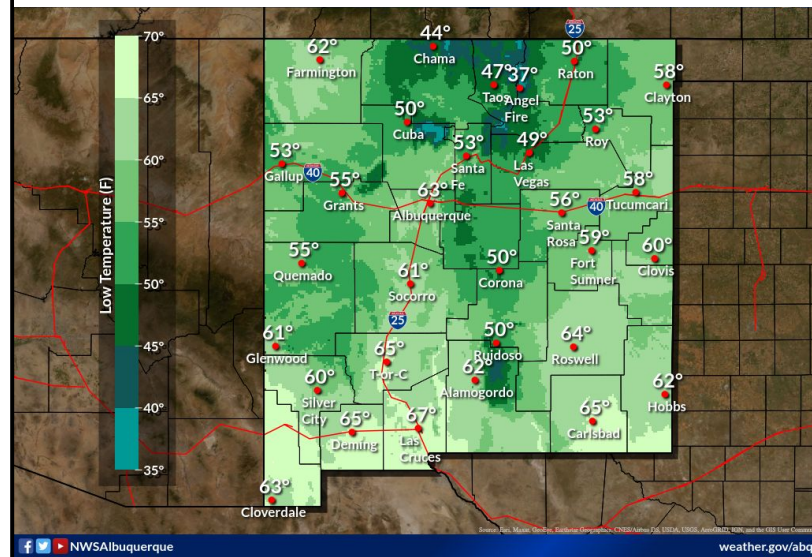
**BURN SCAR FLASH FLOODING - URBAN STREET
FLOODING - GUSTY WINDS/SMALL HAIL**

Upper Level Forecast Chart Valid Midnight MT



Dry —————> **Moist**

Tonight's Low Temperatures



- Monsoon high pressure remains over the Great Basin with northerly flow aloft over New Mexico
- Thunderstorm activity coming to an end tonight over central and southern New Mexico





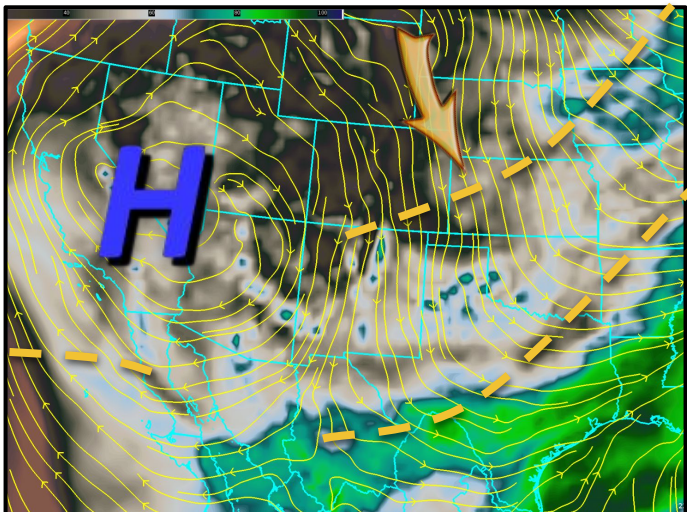
Weekly Weather Briefing

Tuesday

Potential Impacts

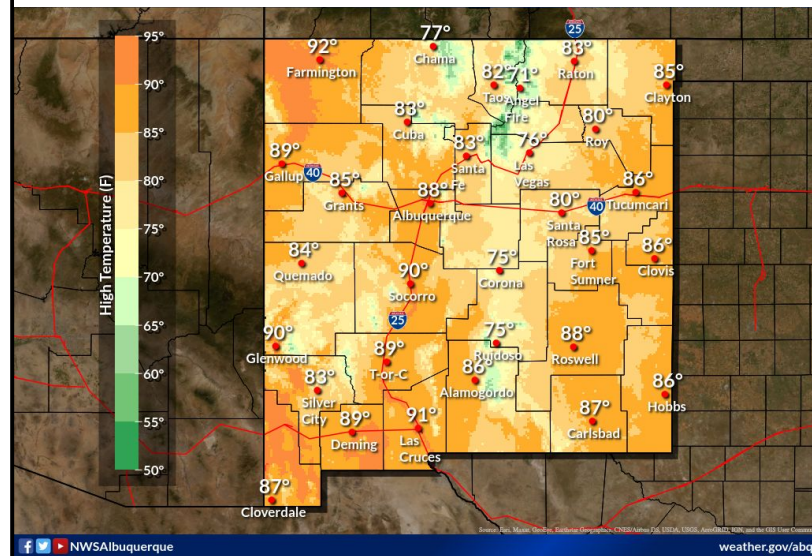
**BURN SCAR FLASH FLOODING - URBAN STREET
FLOODING - GUSTY WINDS/SMALL HAIL**

Upper Level Forecast Chart Valid 3pm MT



Dry —————> **Moist**

Tuesday's High Temperature



- Monsoon high pressure remains over the Great Basin with northerly flow aloft over New Mexico
- Thunderstorm activity moving slowly north to south
- Burn scar flash flooding - urban street flooding - gusty winds/small hail



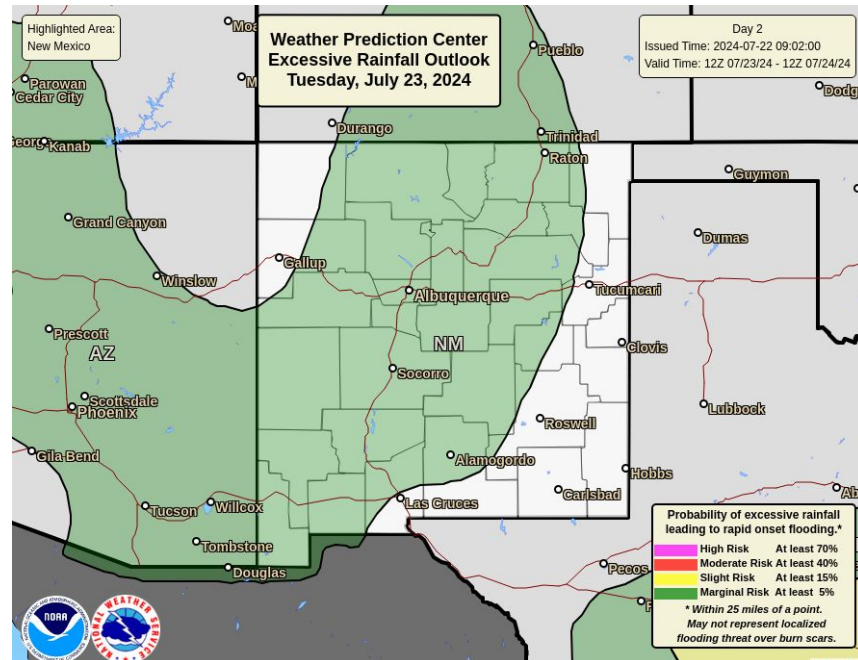
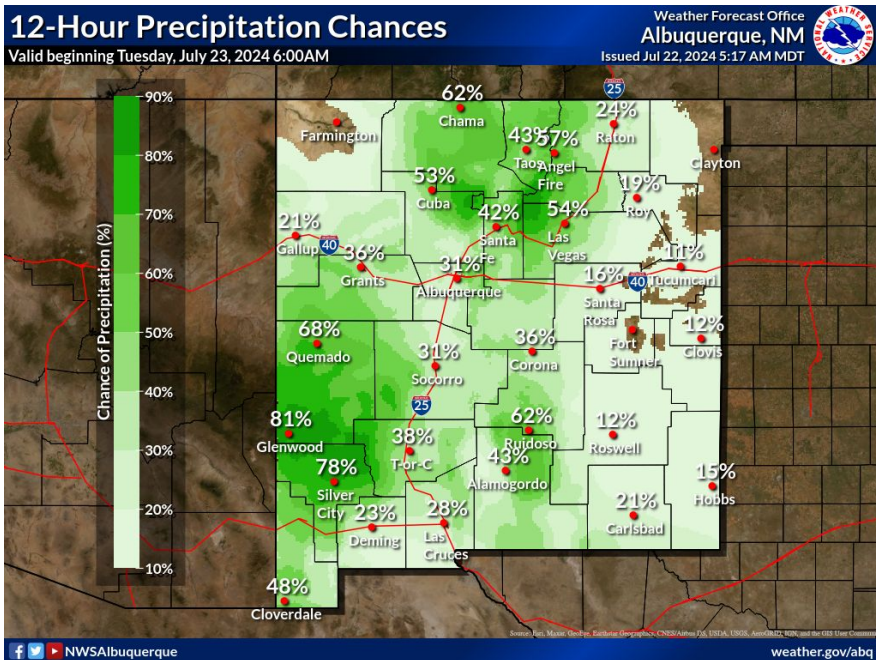
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Weekly Weather Briefing

Tuesday: Chances for Precipitation (Left) | Risk for Flash Flooding (Right)



- Numerous to scattered thunderstorms, some of which producing locally heavy rainfall, gusty winds, small hail.
- **HIGH** Risk for flash flooding on HPCC burn scar and Sacramento Complex | Urban flash flooding.





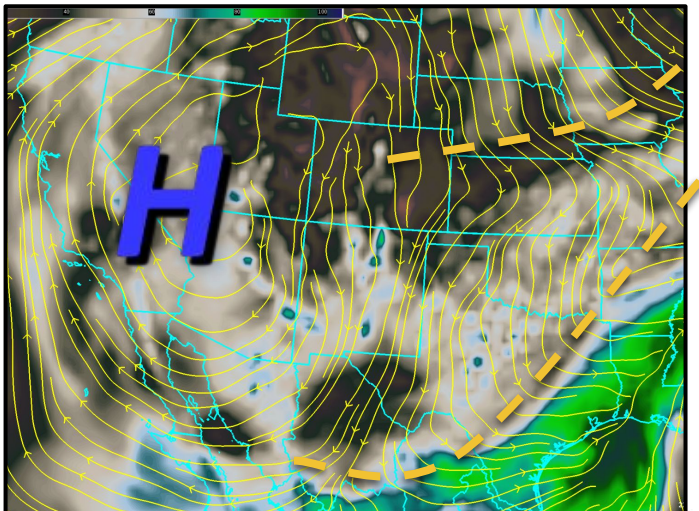
Weekly Weather Briefing

Wednesday

Potential Impacts

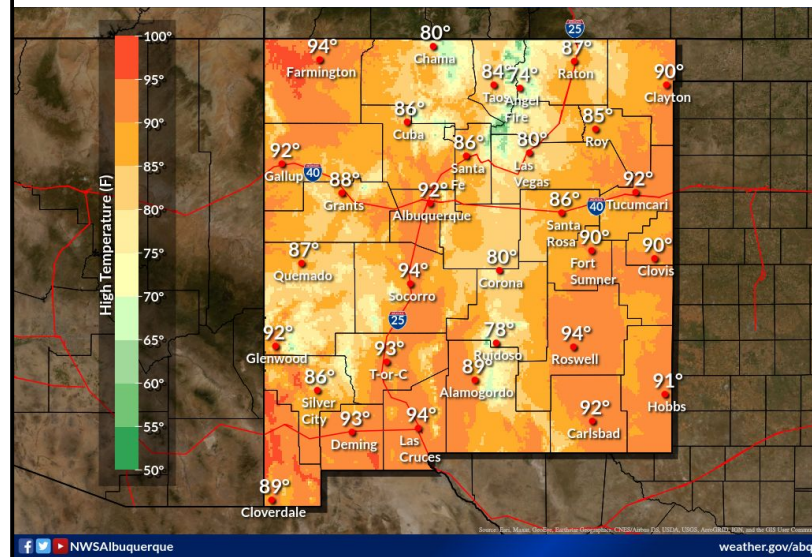
**SIGNIFICANT RISK FOR FLASH FLOODING,
PARTICULARLY ON WILDFIRE BURN SCARS**

Upper Level Forecast Chart Valid 3pm MT



Dry —————> Moist

Wednesday's High Temperature Forecast



- Monsoon high pressure remains over the Great Basin with northerly flow aloft over New Mexico
- Thunderstorm activity moving slowly north to south
- Burn scar flash flooding - urban street flooding - gusty winds/small hail



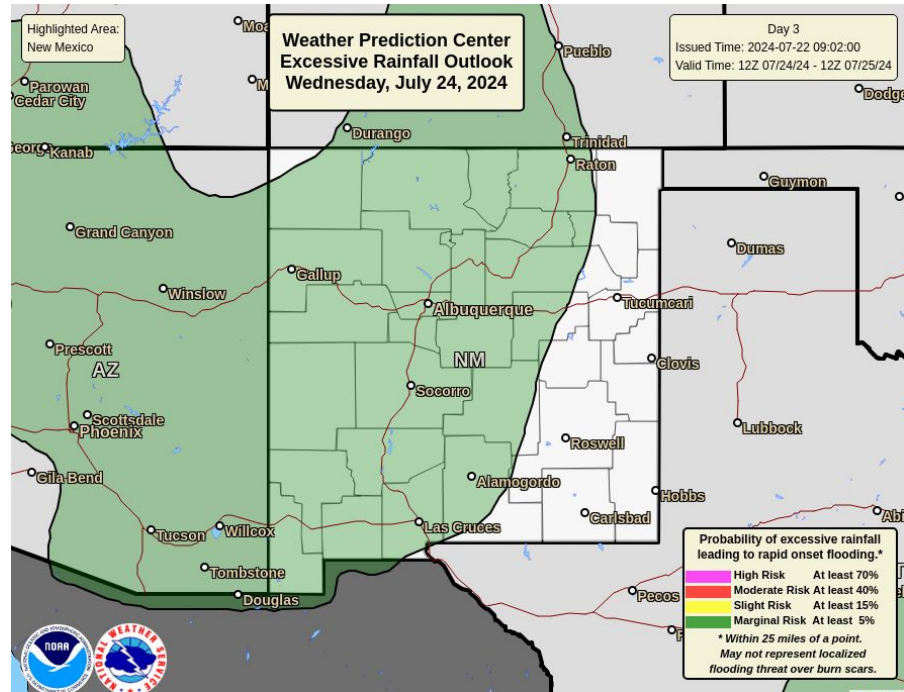
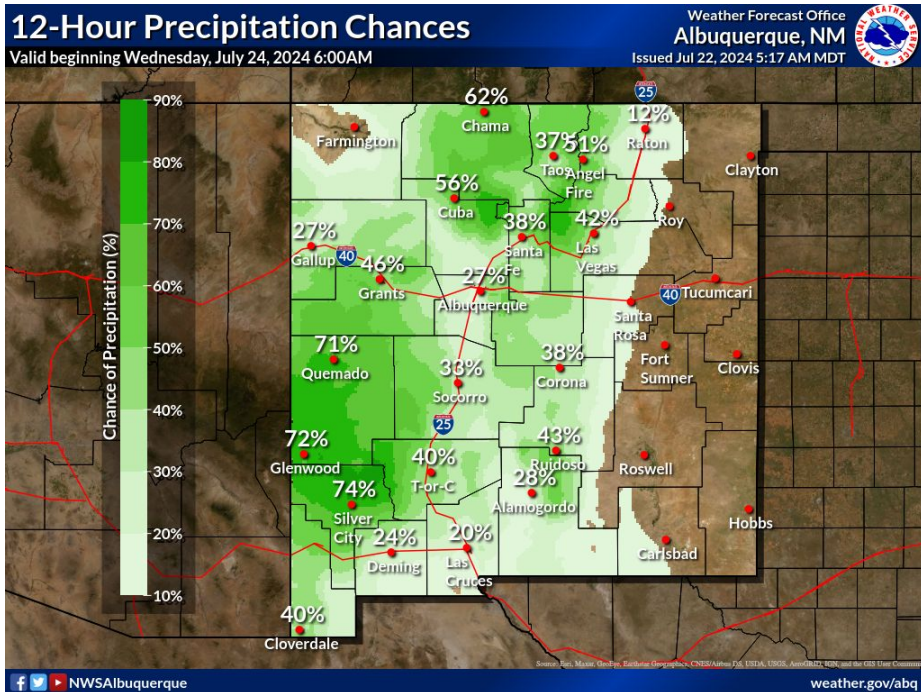
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Weekly Weather Briefing

Wednesday: Chances for Precipitation (Left) | Risk for Flash Flooding (Right)



- Numerous to scattered thunderstorms, some of which producing locally heavy rainfall, gusty winds, small hail.
- **MODERATE TO HIGH** Risk for flash flooding on HPCC burn scar and Sacramento Complex





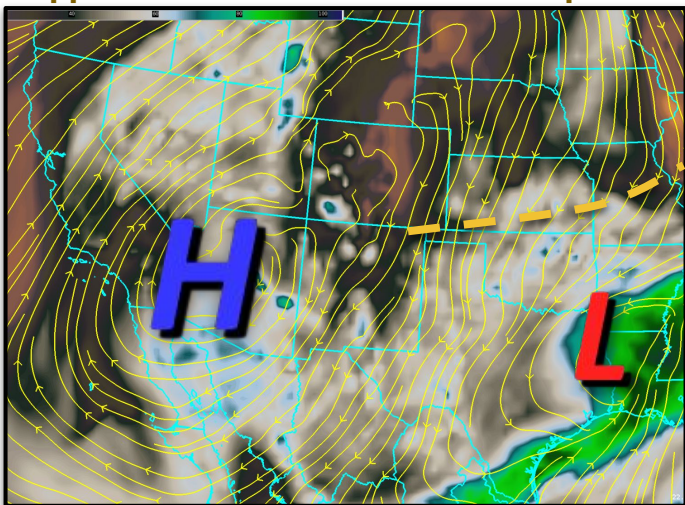
Weekly Weather Briefing

Thursday

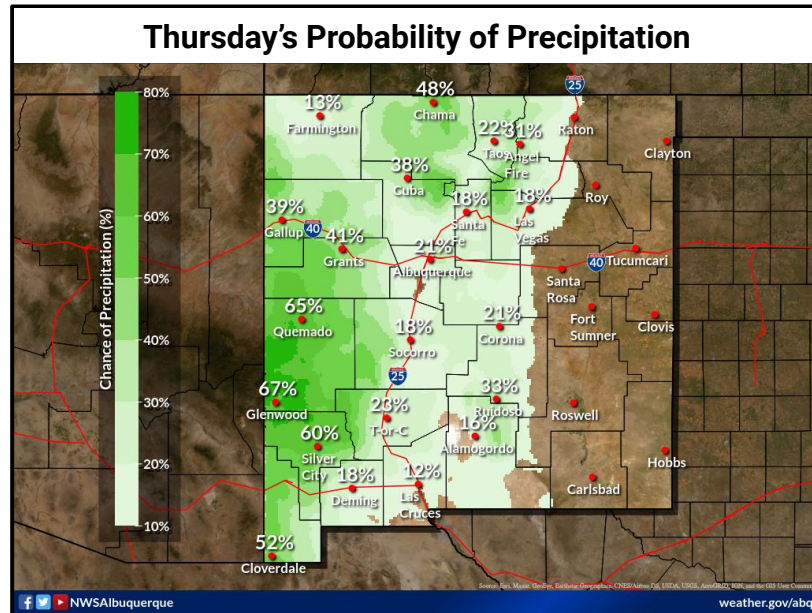
Potential Impacts

**SIGNIFICANT RISK FOR FLASH FLOODING,
PARTICULARLY ON WILDFIRE BURN SCARS**

Upper Level Forecast Chart Valid 3pm MT



Dry —————> Moist



- Monsoon high pressure moves south over AZ with weak N/NE flow aloft
- Higher moisture shifts west and southwest with lower thunderstorm chances over Sacramento and Sangre de Cristo Mtns
- Higher chances of storms over Cont Divide & Gila Forest with the potential for heavy rainfall, gusty winds and small hail.



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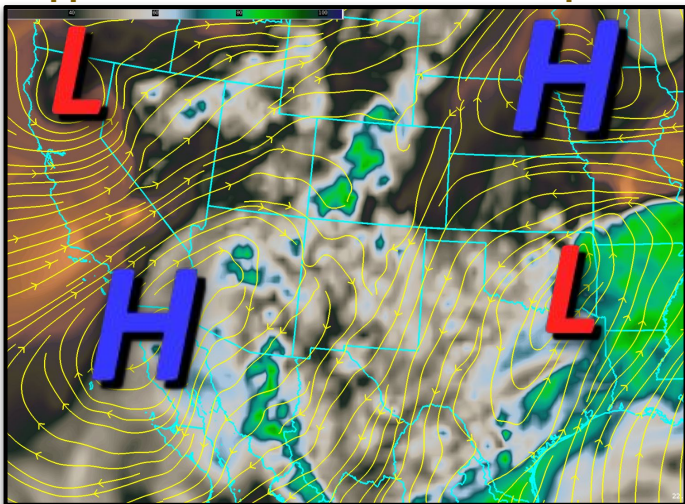
Weekly Weather Briefing

Friday

Potential Impacts

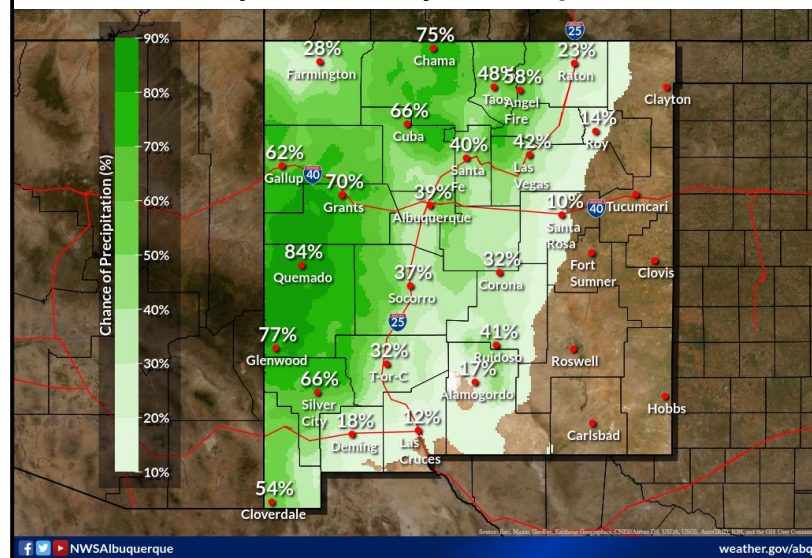
**CONTINUED RISK FOR FLASH FLOODING,
PARTICULARLY ON WILDFIRE BURN SCARS**

Upper Level Forecast Chart Valid 3pm MT



Dry —————> Moist

Friday's Probability of Precipitation



- Monsoon high pressure splits with one area over S CA and the other over the Midwest. Upper level flow weakens for slower storm motions.
- Moisture remains over western & central NM with a chance of storms leading to heavy rainfall/flooding



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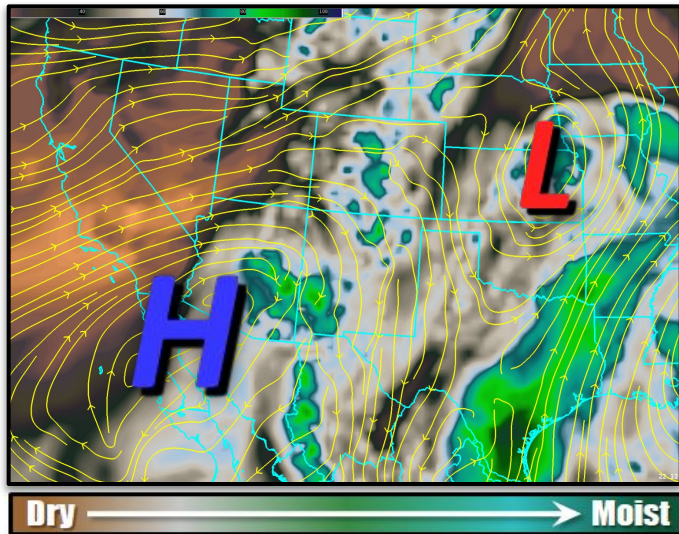
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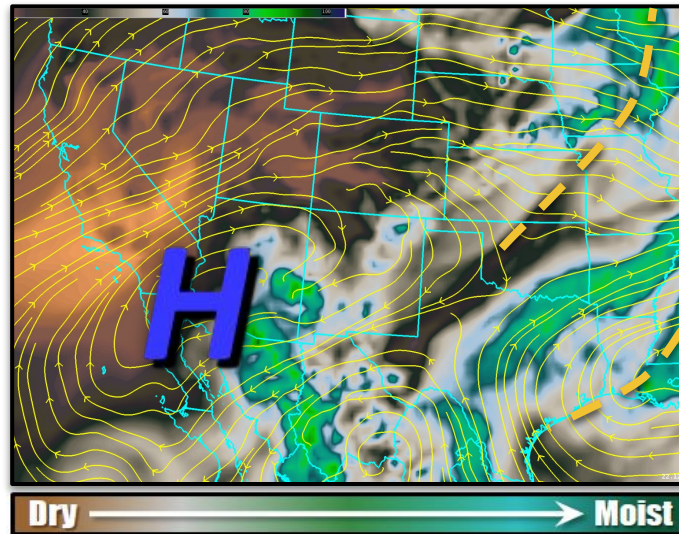
Weekly Weather Briefing

Upcoming Weekend

Saturday



Sunday



Upper Level Forecast Chart Valid 6pm MT

Monsoon high pressure begins to re-establish over AZ over the weekend with weak northerly flow over New Mexico. There is still enough moisture remaining to support thunderstorm activity. Wet antecedent conditions from storms earlier in the week and last week may exacerbate the flood situation in New Mexico.





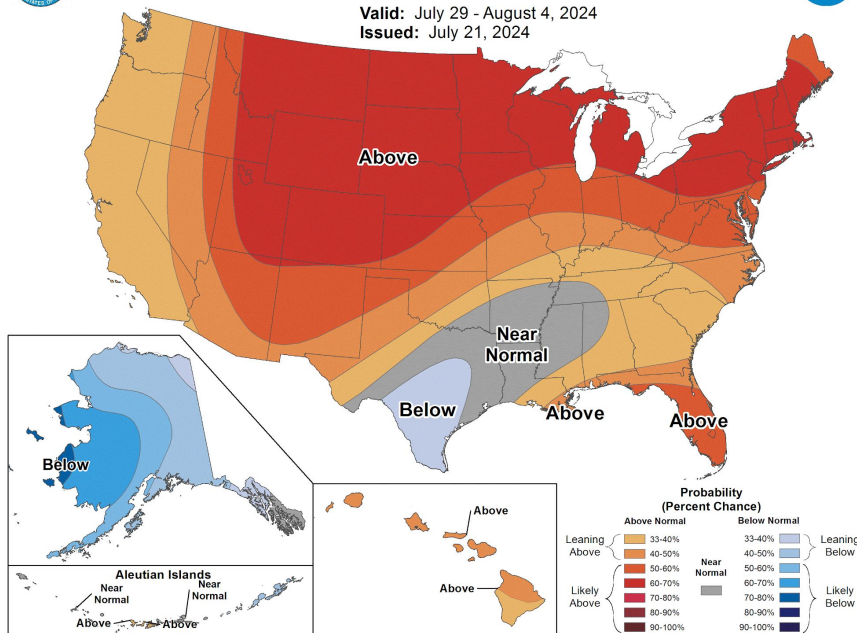
Weekly Weather Briefing

8-14 Day Temp/Precip Outlooks (Climate Prediction Center)



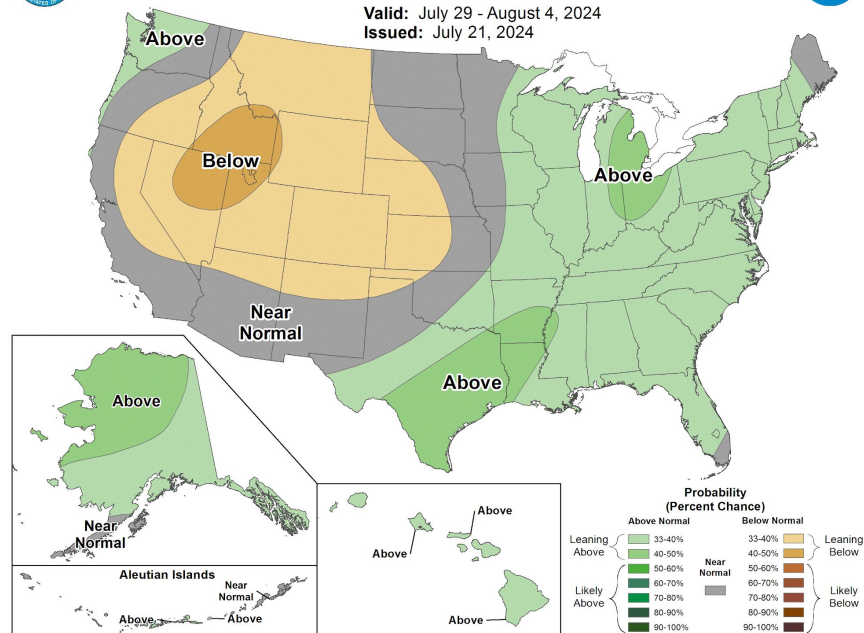
8-14 Day Temperature Outlook

Valid: July 29 - August 4, 2024
Issued: July 21, 2024



8-14 Day Precipitation Outlook

Valid: July 29 - August 4, 2024
Issued: July 21, 2024





Weekly Weather Briefing

Updated: July 21, 2024

Tonight

Tuesday, Jul 23

Wednesday, Jul 24

Thursday, Jul 25

Friday, Jul 26

Weekend



Numerous showers & storms with gusty winds, small hail, and locally heavy rainfall.

High to very high risk for burn scar flash flooding.



Numerous showers & storms with gusty winds, small hail, and locally heavy rainfall.

High risk for burn scar flash flooding.



Scattered to numerous showers & storms with gusty winds, small hail, and locally heavy rainfall.

Moderate to high risk for burn scar flash flooding.



Scattered to numerous showers & storms with gusty winds, small hail, and locally heavy rainfall.

Slight to moderate risk for burn scar flash flooding.



Scattered to numerous showers & storms with gusty winds, small hail, and locally heavy rainfall.

Moderate to high risk for burn scar flash flooding.



Scattered to numerous showers & storms with gusty winds, small hail, and locally heavy rainfall.

Moderate to high risk for burn scar flash flooding.

Potential Impacts Color Table

This product is for situational awareness and intended to be used alongside more detailed products at <http://weather.gov/abq>



Limited (Common)



Minor (Common)



Moderate (Uncommon)



High (Rare Event)



Extreme (Very Rare Event)



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