

# Weekly Weather Briefing

“Severe Threat Central & East  
through Tonight, then Drying”

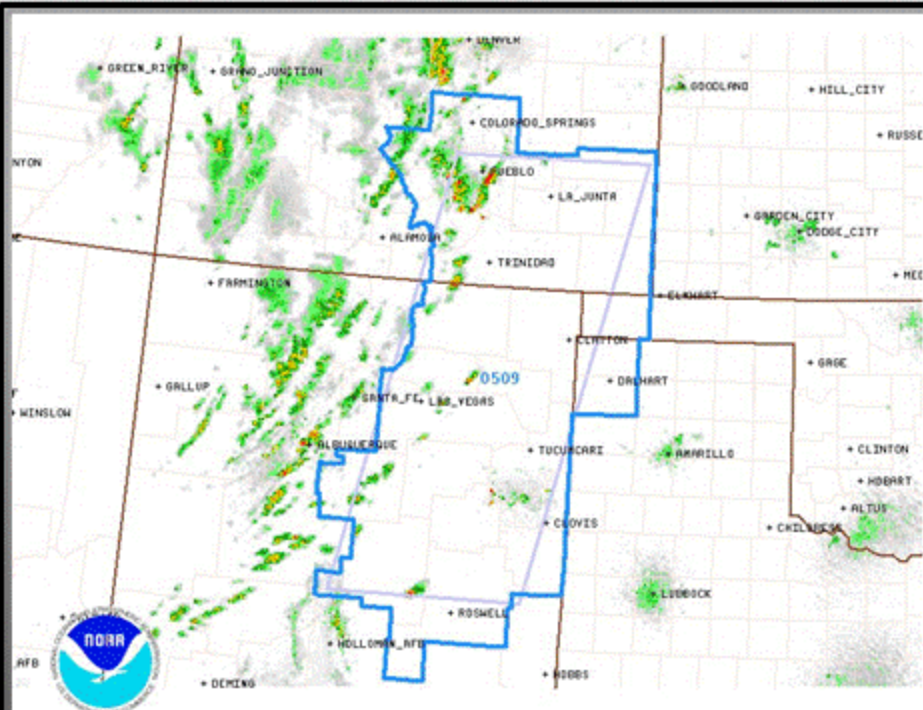
NWS Albuquerque  
September 29, 2014



Albuquerque

# SEVERE THUNDERSTORM WATCH

Issued until 9 PM MDT Tonight



Severe Thunderstorm Watch # 509 - Valid from 135 PM until 900 PM MDT

NOAA/NWS/Storm Prediction Center

Updated: 20140929/1940 UTC

## Severe Thunderstorm Watch Means...

- Conditions are favorable in or near the watch area for the development of severe thunderstorms.
- Be prepared to take action if a warning is issued for your area. Tune to local TV/radio stations or NOAA weather radio for warning information.
- In addition to large hail, damaging winds, and dangerous lightning, severe thunderstorms can and occasionally do produce tornadoes.

**We need your reports! Let NWS Albuquerque know about severe weather occurring in your area. Call 888-386-7637 or post to our social media pages.**

## Severe Thunderstorm Watch Forecast Points

- Scattered damaging wind gusts to 70 mph possible
- Scattered large hail events to 1.5 inches in diameter possible
- A tornado or two possible



weather.gov/ABQ

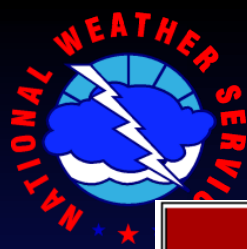


National Weather Service Albuquerque



@NWSAlbuquerque

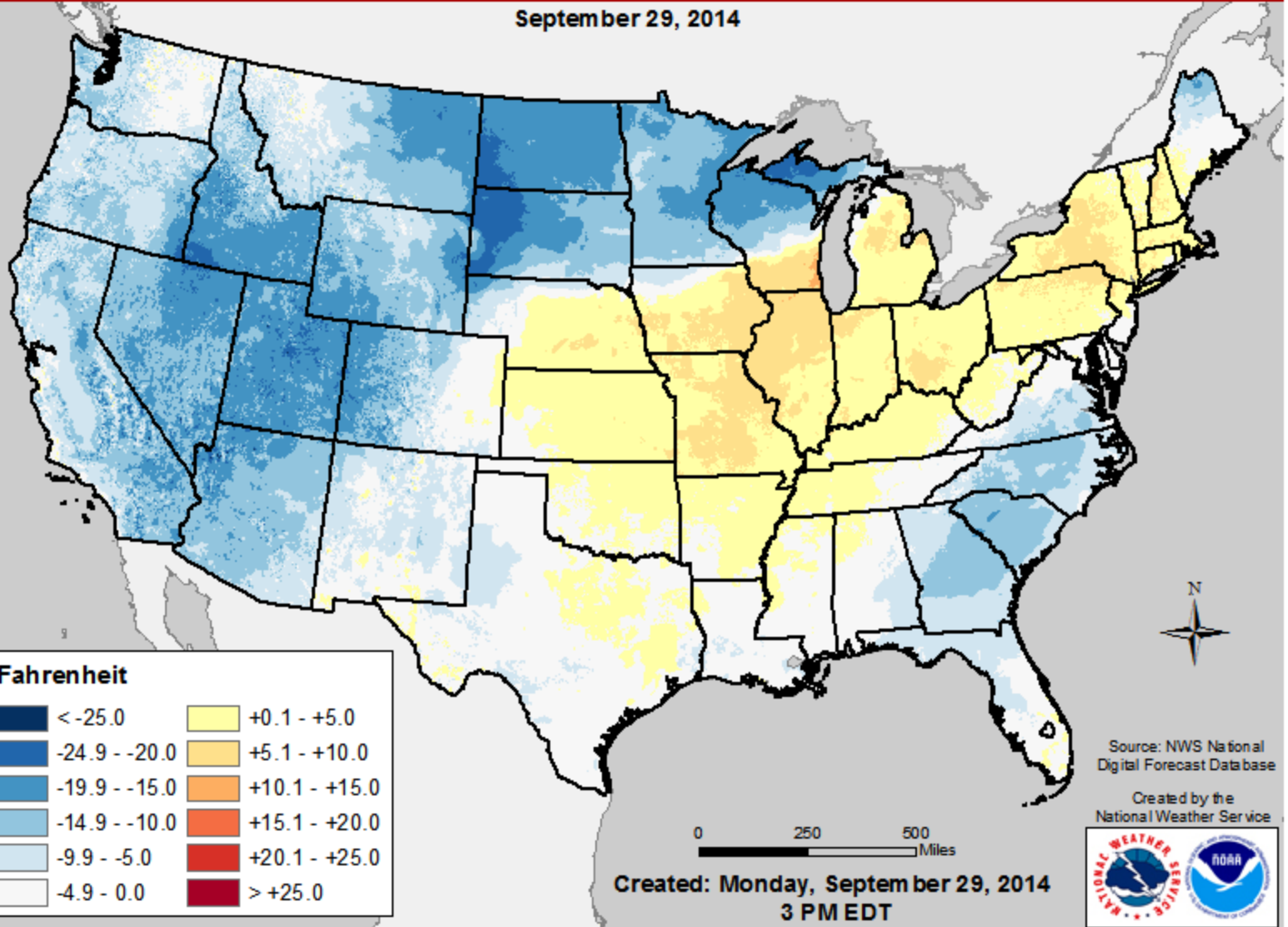
9/29/2014  
1:42 PM MDT

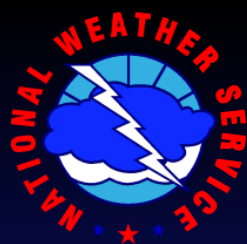


# Today's Max Temp Departure from Normal

## National High Temperature Departure From Normal Forecast

September 29, 2014





# Notable Severe Weather Events in September\*

## VERY LARGE HAIL

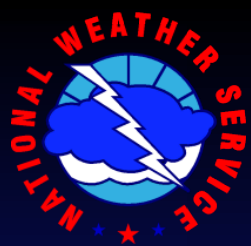
- ▶ September 30, 1998
  - ▶ Los Lunas: 4.5" Hail\*
- ▶ September 12, 1989
  - ▶ Roswell: 3" Hail
- ▶ September 8, 1991
  - ▶ Carlsbad: 2" Hail
- ▶ September 30, 1998
  - ▶ Tajique: 2" Hail
- ▶ September 11, 1972
  - ▶ Raton, 2.75" Hail
- ▶ September 10, 1973
  - ▶ Grants, 2" Hail

## TORNADOES

- ▶ September 18, 1965
  - ▶ F2 : Union Co
- ▶ September 21, 1964
  - ▶ F1 : Chaves Co
- ▶ September 17, 1971
  - ▶ F1 : Lincoln Co
- ▶ September 16, 1971
  - ▶ F1 : Sierra Co
- ▶ September 13, 1988
  - ▶ F1 : Sandoval Co
- ▶ September 2, 1993
  - ▶ F1 : De Baca Co
- ▶ September 11, 2008
  - ▶ F1: Guadalupe Co

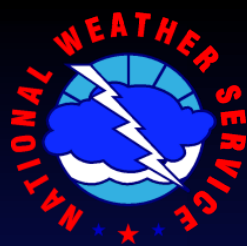
\*More hail events than Apr

\*Only 4"+ hail stone reported west of Central Mts



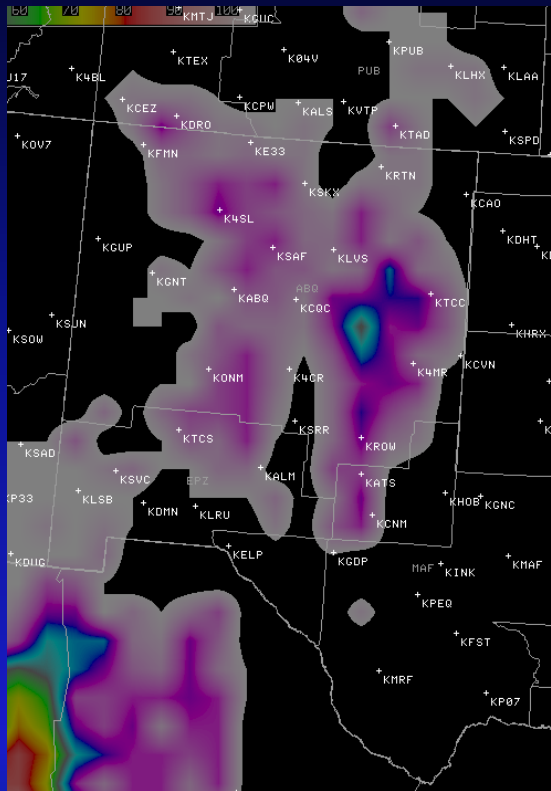
*Weekly Weather Briefing*

# Forecast Details

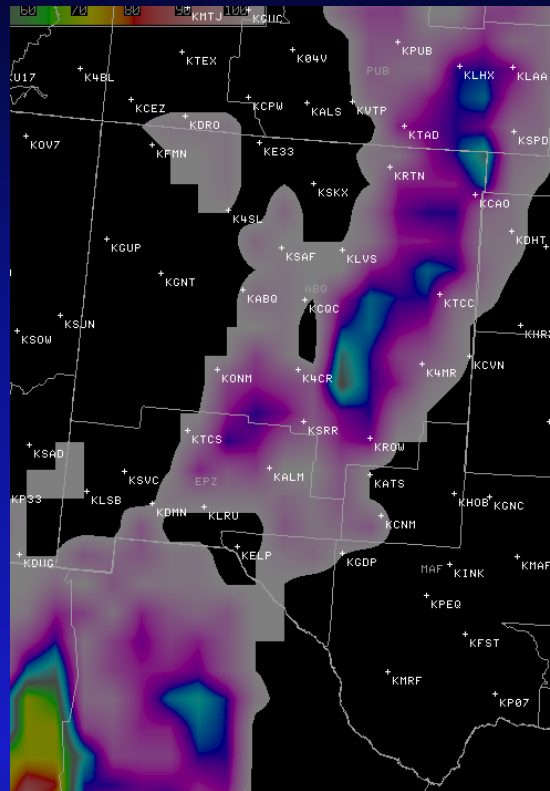


# Severe Weather Probabilities

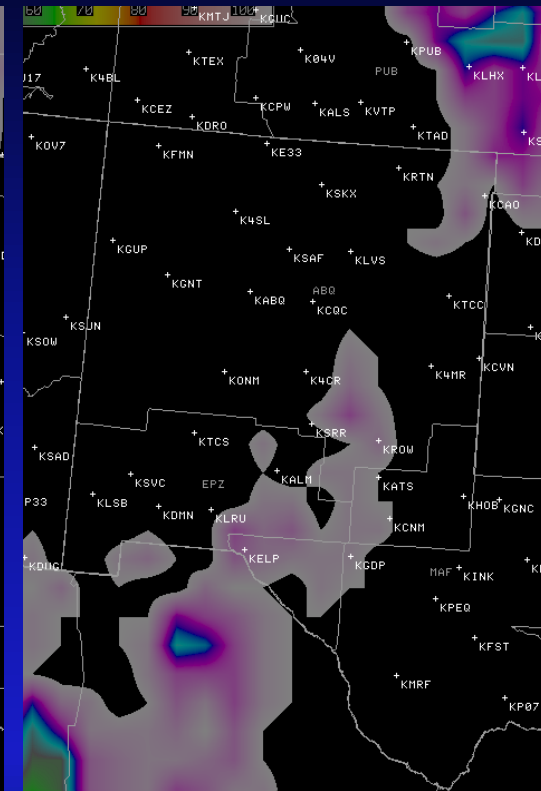
Weekly Weather Briefing



3pm MDT



9pm MDT



Midnight MDT

LOWEST

HIGHEST

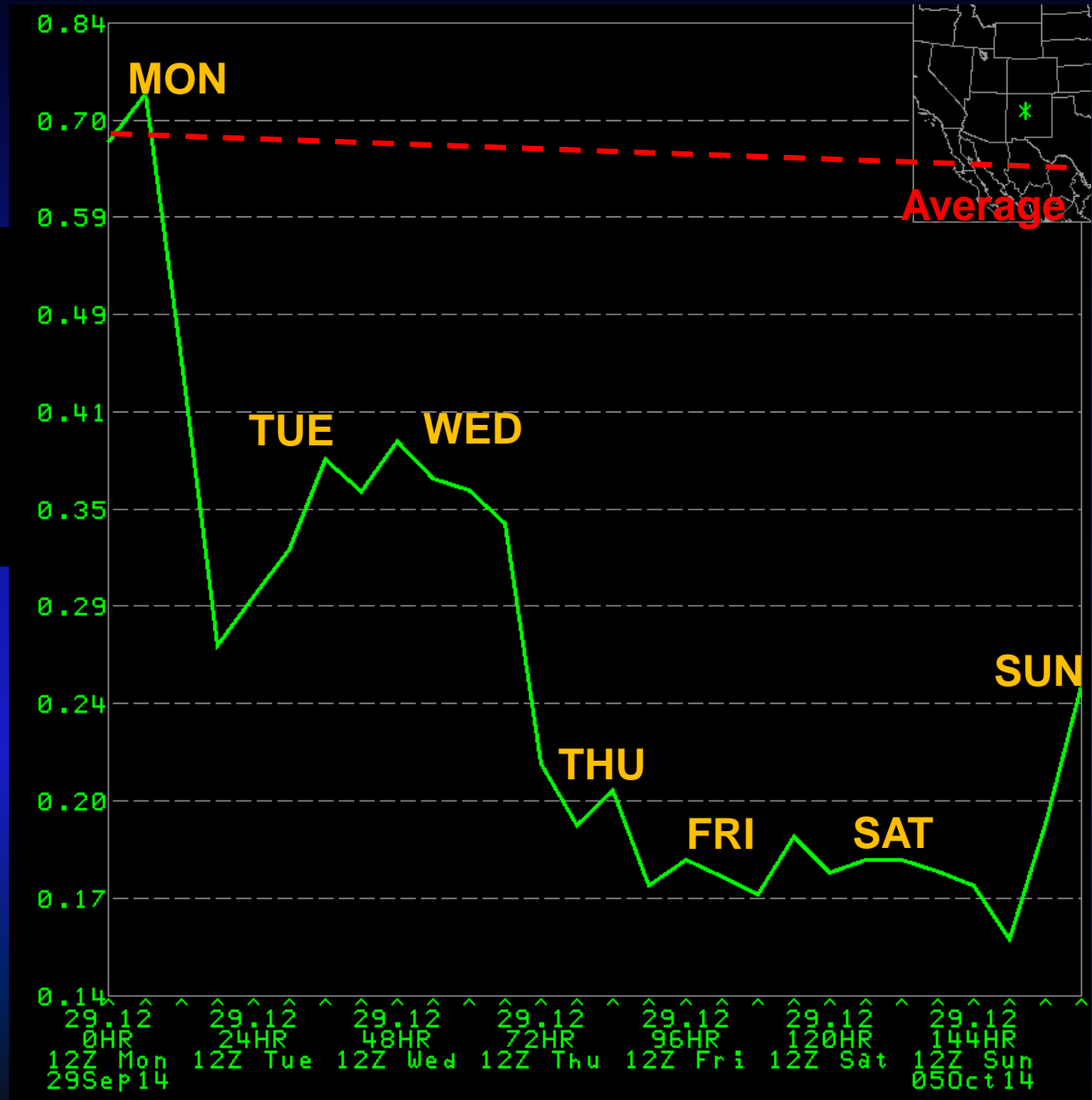




# Precipitable Water (Moisture) Trends

Weekly Weather Briefing

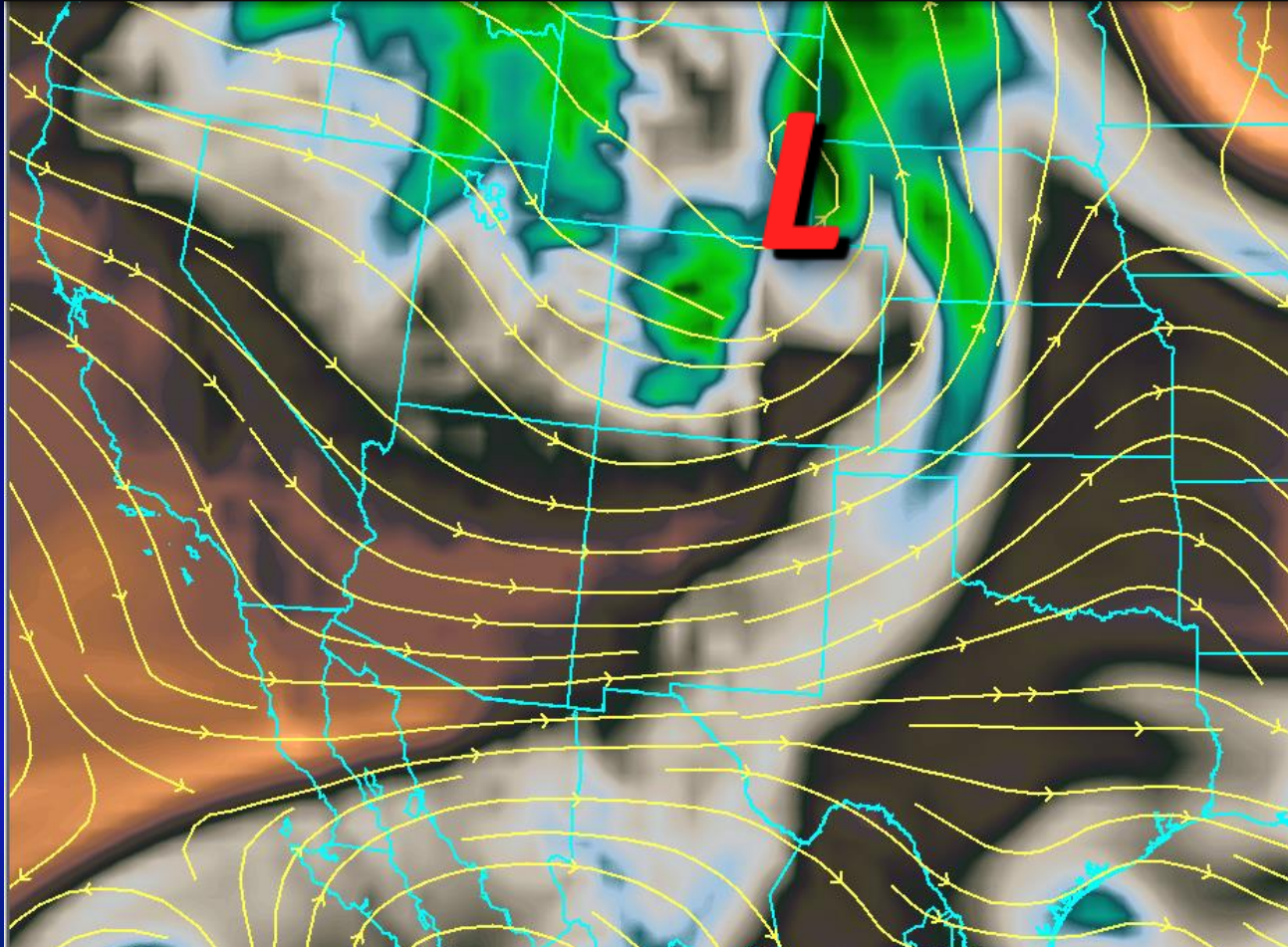
Precipitable water, measured in inches, is the depth of water in a column of the atmosphere if all the water in that column were precipitated as rain.





# Upper Level Forecast Chart (Image is Moisture)

**Tonight**



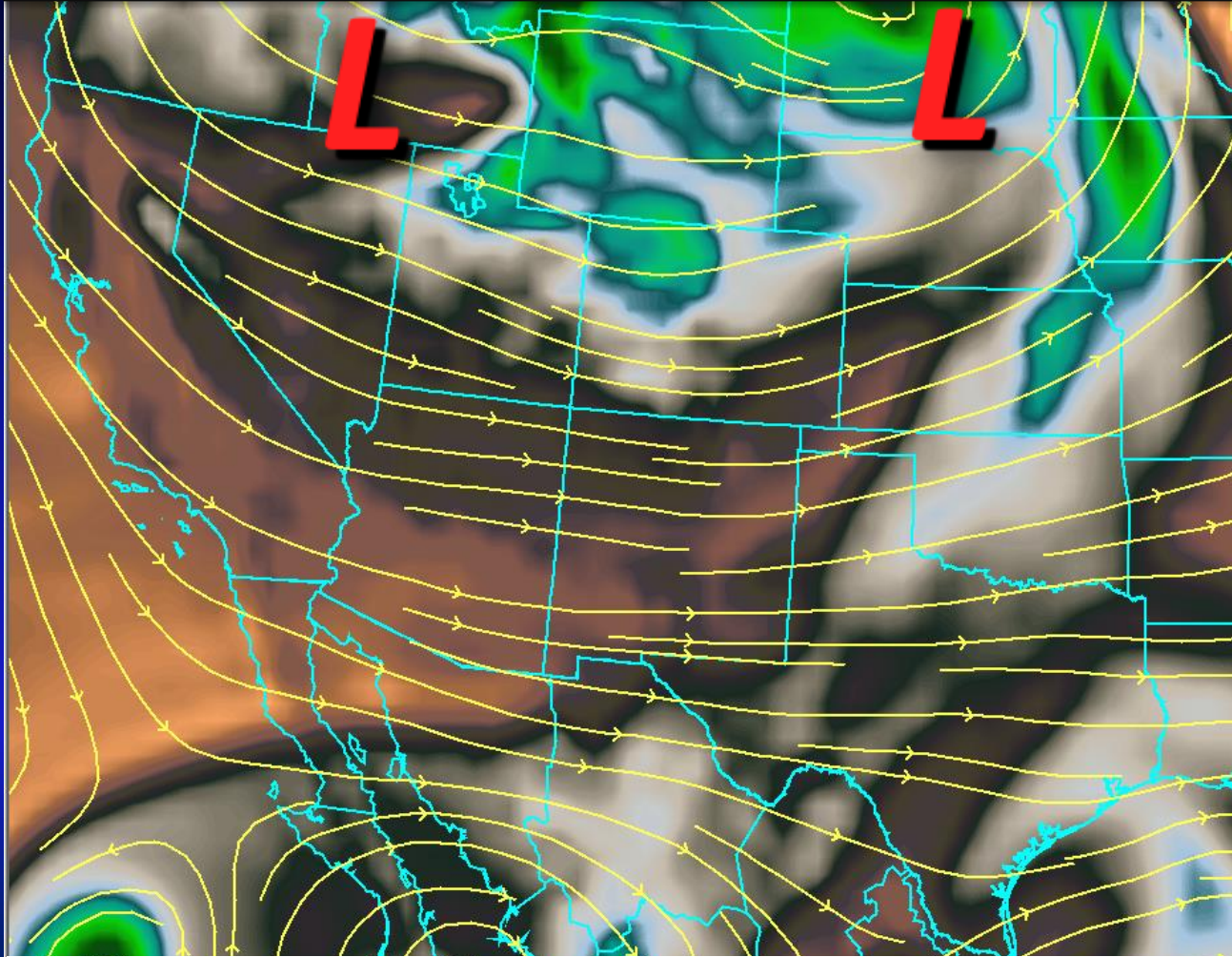
**Tonight:** Low pressure system to move east across the central/southern Rockies. Pacific cold front to move into eastern NM late, with focus for strong-severe storms shifting east with the front.





# Upper Level Forecast Chart (Image is Moisture)

Tuesday

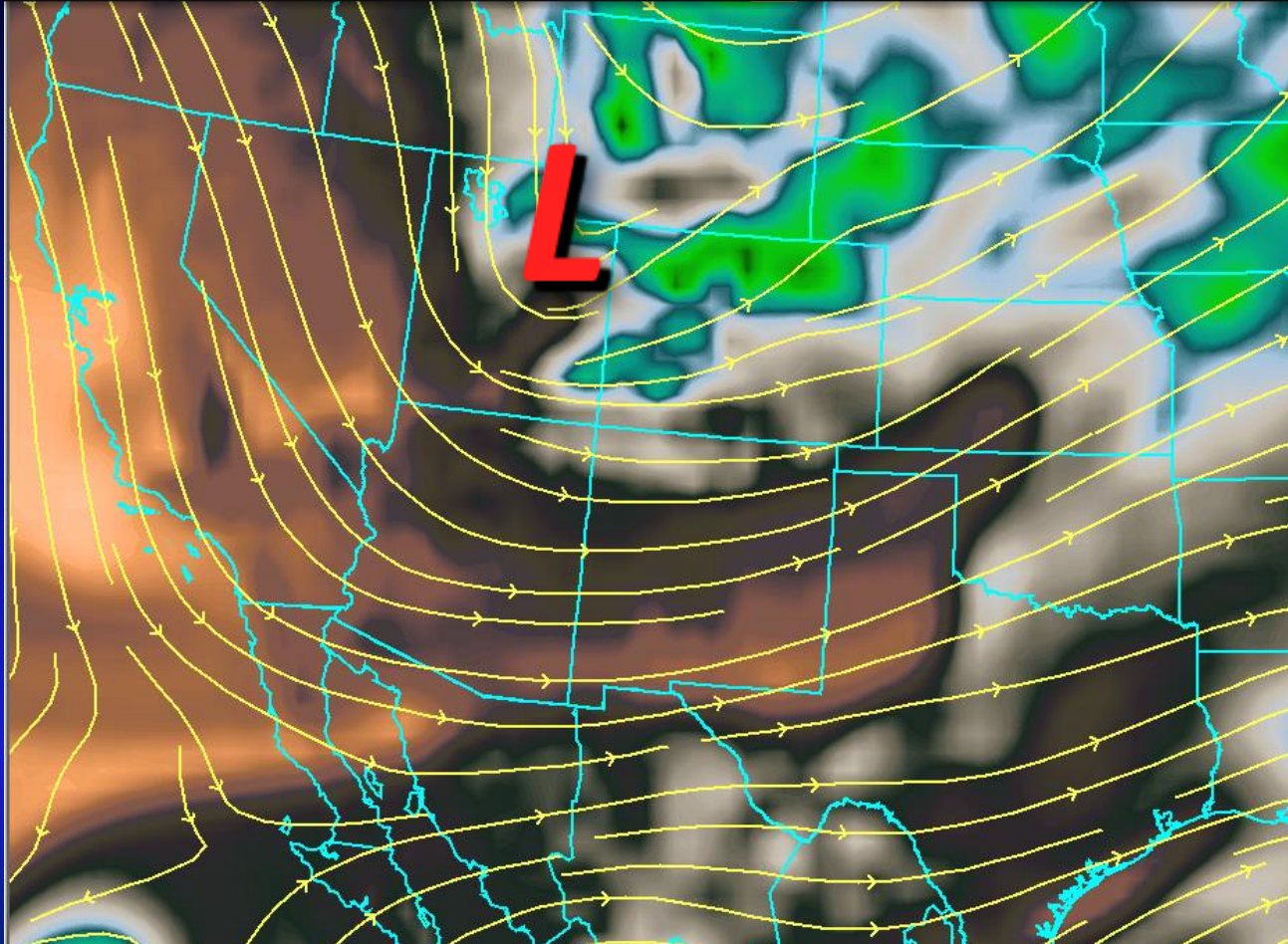


**Tuesday:** Significantly drier air to overspread the area from the west. Breezy to locally windy conditions during the day, especially mountains and northeast.



# Upper Level Forecast Chart (Image is Moisture)

Wednesday

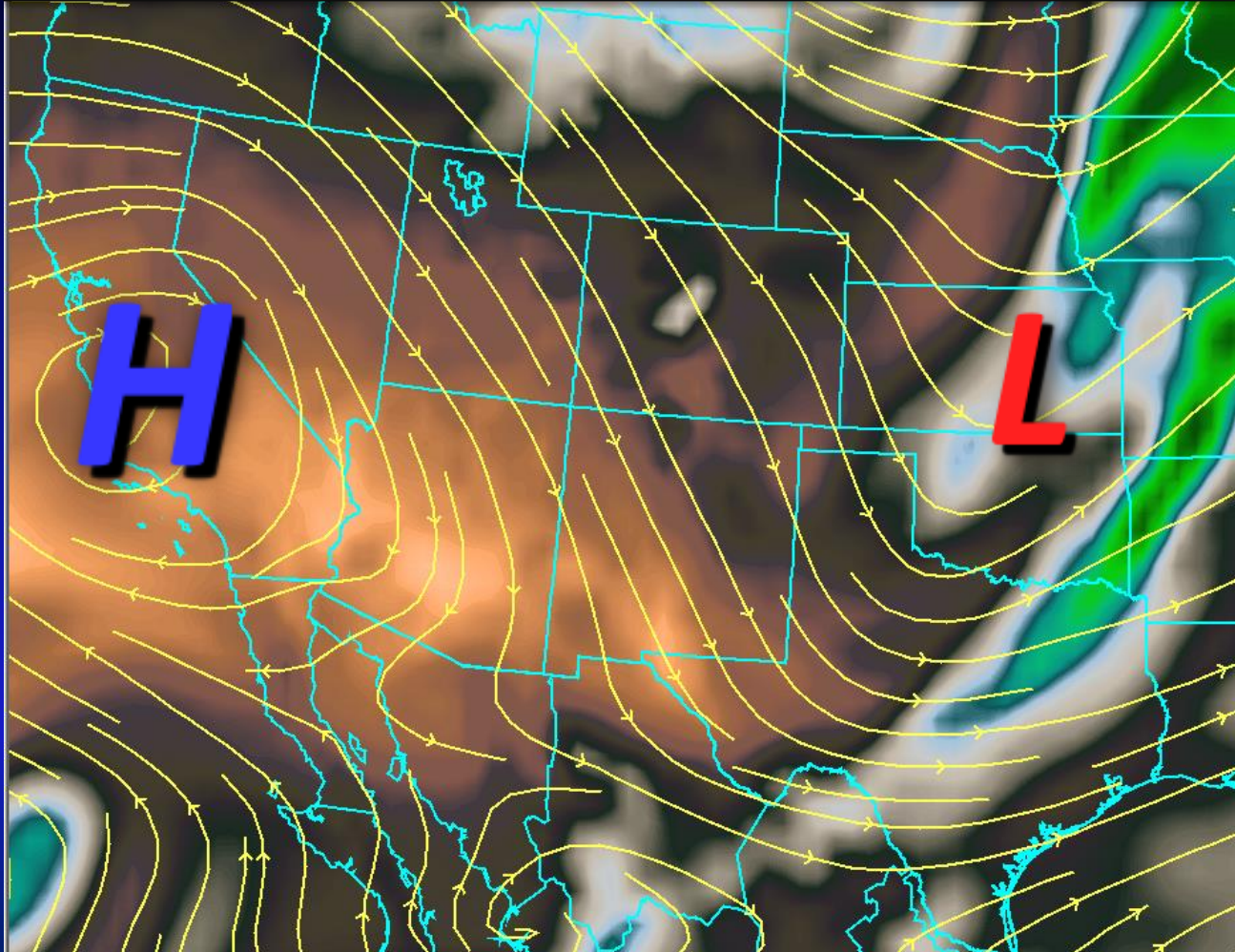


**Wednesday:** Second low pressure system to pass to the north of New Mexico. This one will bring even cooler air farther south with potential for some snow across the peaks of the northern mountains Wed night!



# Upper Level Forecast Chart (Image is Moisture)

Thursday

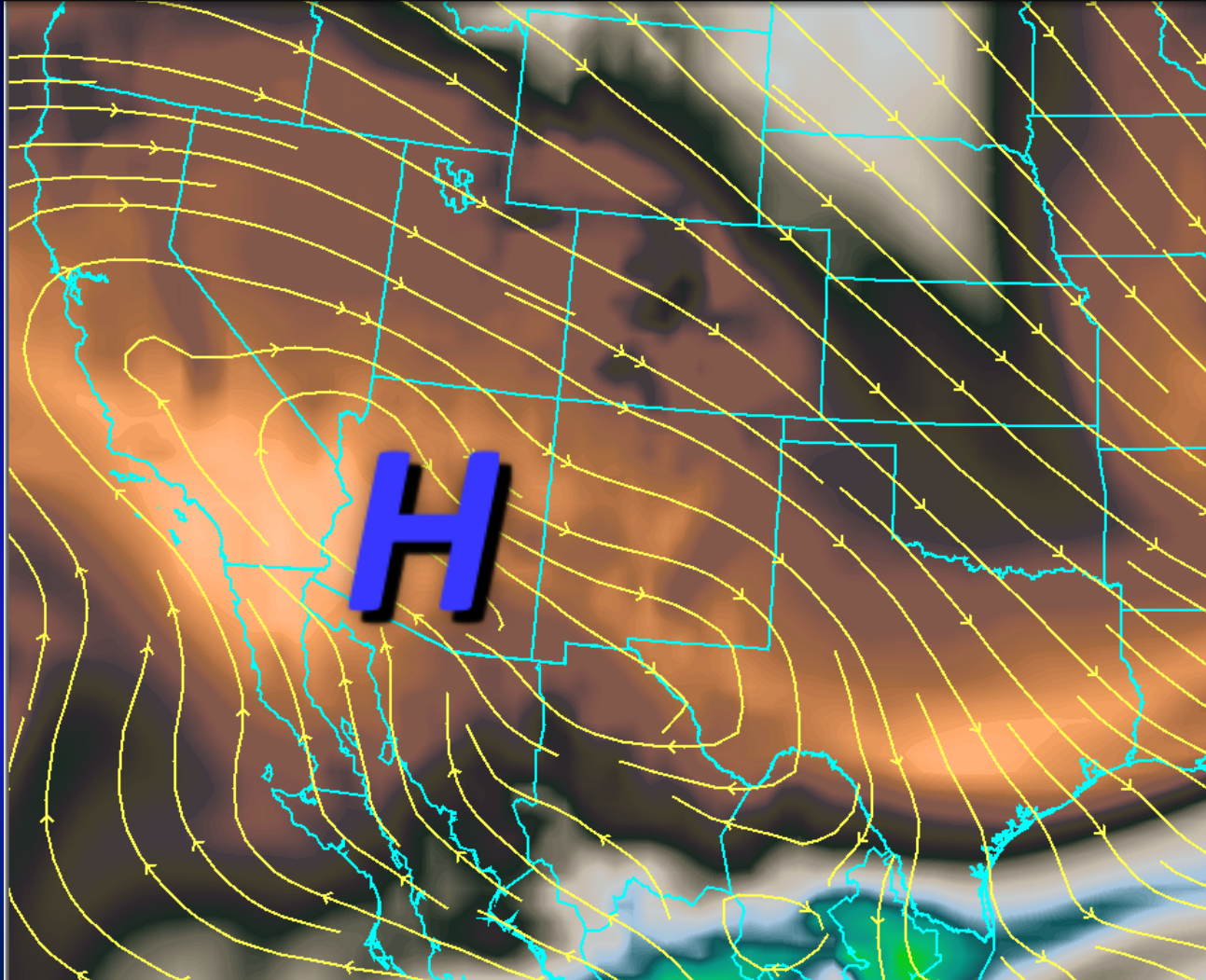


**Thursday:** High pressure aloft begins to strengthen to the west of New Mexico. A breezy day especially the higher terrain areas and east slopes of the central mountain chain.

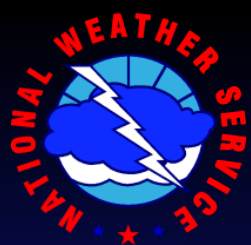


# Upper Level Forecast Chart (Image is Moisture)

Friday



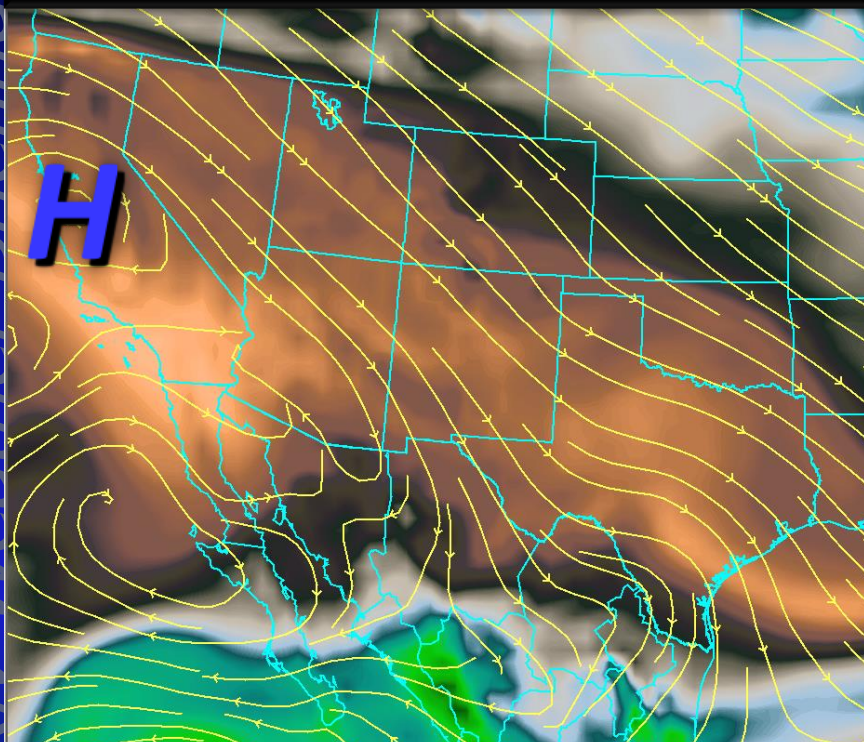
**Friday:** High pressure aloft shifts eastward. Drier and warmer!



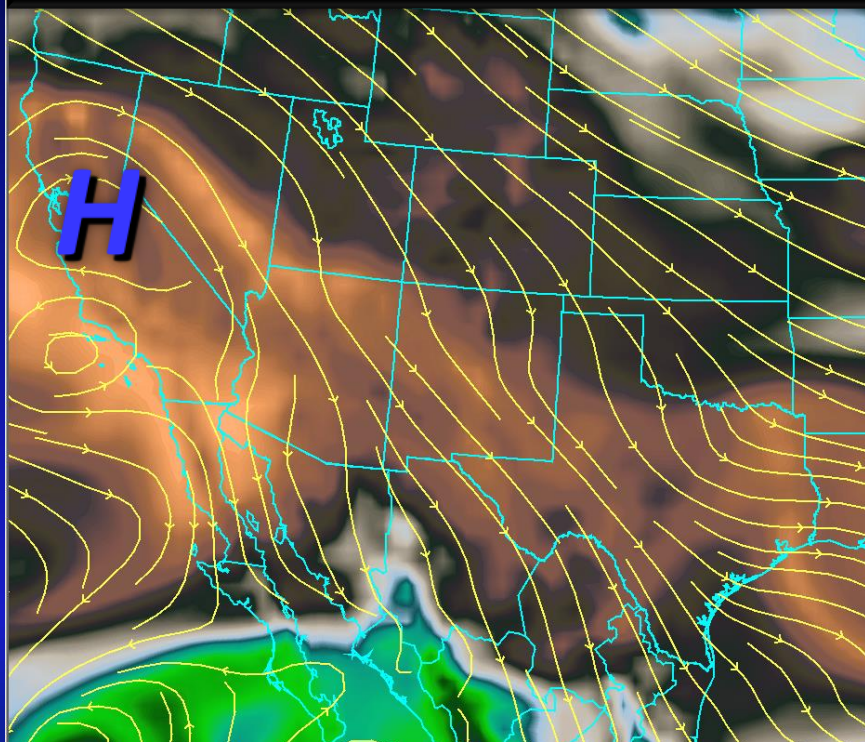
# Upper Level Forecast Chart (Image is Moisture)

## Weekend Outlook

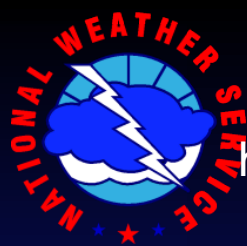
Saturday



Sunday



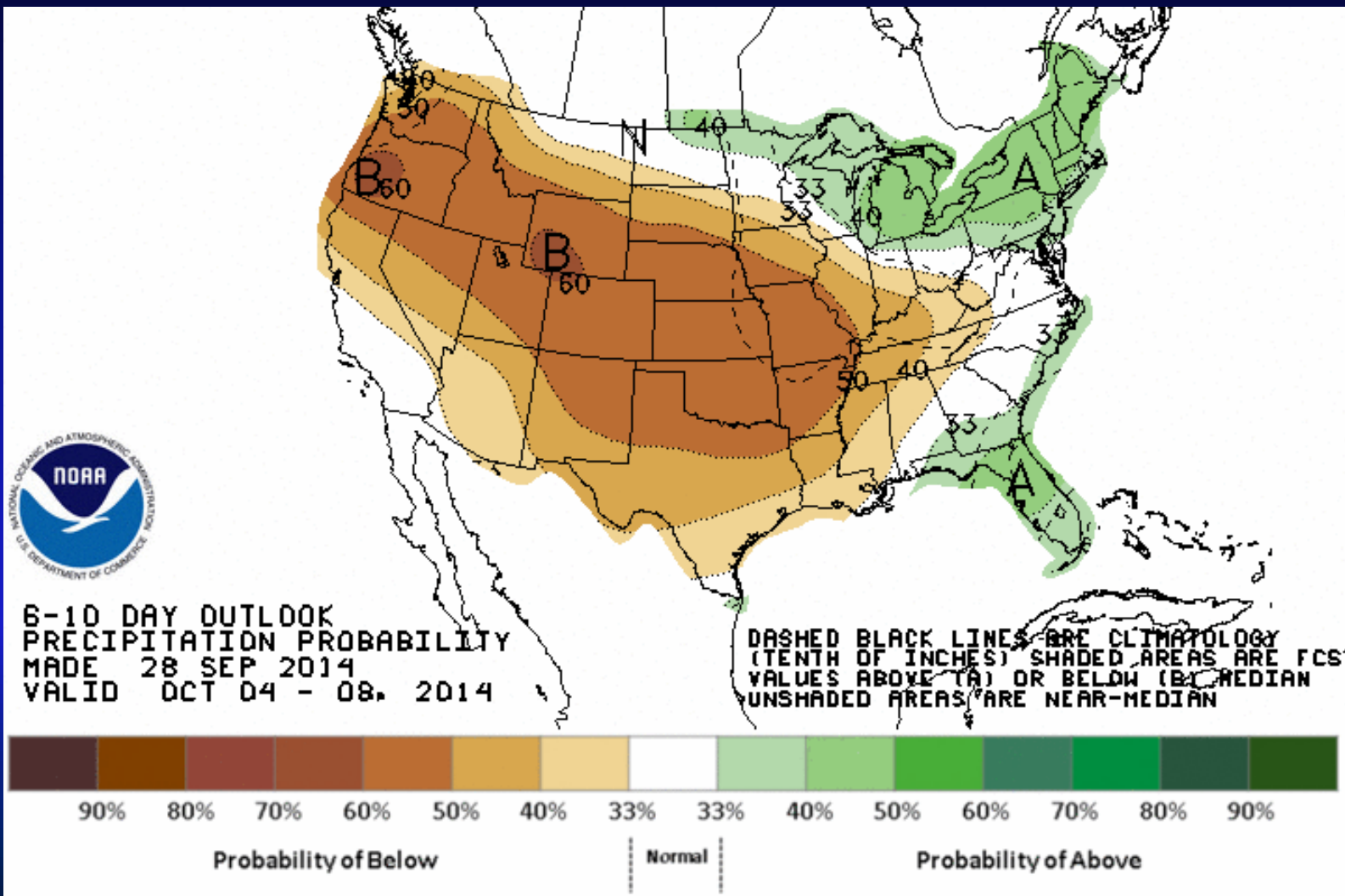
**Weekend:** High pressure aloft expected to dominate much of the western U.S. Dry northwest flow aloft indicated over the area.

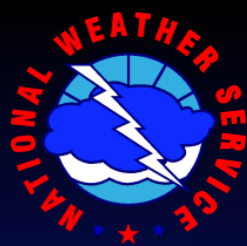


# 6-10 Day Precip Outlook: October 4-8

<http://www.cpc.ncep.noaa.gov/products/predictions/610day/610prcp.new.gif>

Weekly Weather Briefing

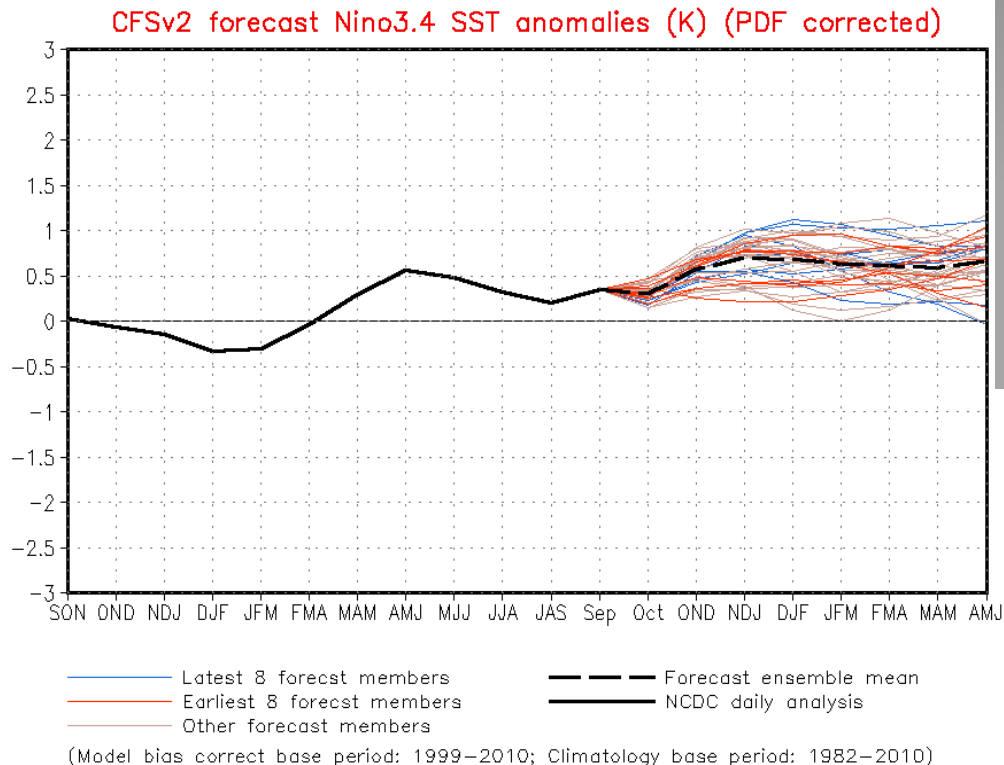




# Rebound Continues... Approaching Marginal El Niño Status

Issued by CPC: 29 September 2014

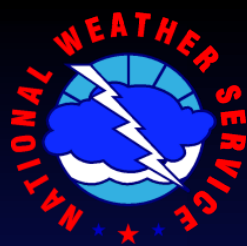
The CFS.v2 ensemble mean (black dashed line) predicts El Niño starting around October-December 2014 and lasting through early 2015.



The latest weekly SST departures are:


Niño 4	0.6°C	<b>-0.2</b>
Niño 3.4	0.4°C	<b>-0.1</b>
Niño 3	0.5°C	<b>+0.1</b>
Niño 1+2	0.8°C	<b>+0.1</b>


CPC considers El Niño conditions to occur when the monthly Niño3.4 departures meet or exceed +0.5°C along with consistent atmospheric features. These anomalies must also be forecasted to persist for 3 consecutive months.



# Week at Glance

 **Tonight** (strong-severe storms central & east)

 **Tuesday**

 **Wednesday** (isolated storms NE, snow high peaks Wed night)

 **Thursday**

 **Friday**

 **Weekend**

## Hazards & Impacts

 None

 Minor

 Significant

 Major

**SYNOPSIS:** Storm system over the Great Basin will progress east into the central and southern Rockies tonight. Scattered to numerous thunderstorms are expected through tonight. Some storms will be severe, with the focus shifting into the eastern plains this evening and overnight. A Pacific front will push east across the area tonight and much drier air will settle in on Tuesday. The drier air will allow for lower low temperatures and larger diurnal temperature ranges. A second system will impact the southern Rockies and northern NM late Wednesday into early Thursday with a reinforcing cold front. A few showers may accompany this feature, with a dusting of snow possible across the peaks of the northern mountains Wednesday night into Thursday morning. Dry weather and a warming trend will kick-off Friday and continue through the weekend.





## We Need YOU...

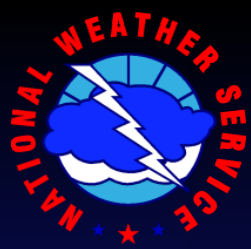
WRN Ambassadors are change agents and leaders of their communities. You will inspire others to be better informed and prepared – helping to minimize or even avoid the impacts of natural disasters.

The Ambassador's badge signifies your commitment as a trusted partner in building community resilience in the face of increasing vulnerability to extreme weather and water events.

### **32 NEW WRN Ambassadors!**



- Any organization across all levels of government, businesses large and small, non-profit and non-governmental organizations, and academia can become WRN Ambassadors. A broadcast meteorologist who advocates weather preparedness on-air.
- Contact Kerry Jones directly for application info.



# As always...

Stay up to date...

- ▶ [weather.gov/abq](http://weather.gov/abq)
- ▶ Facebook
- ▶ @NWSAlbuquerque & #nmwx
- ▶ NOAA Weather Radio
- ▶ Favorite Media Outlet
- ▶ [mobile.weather.gov](http://mobile.weather.gov)
- ▶ [NMroads.com](http://NMroads.com)