

# Houston Pilots Forecast Package



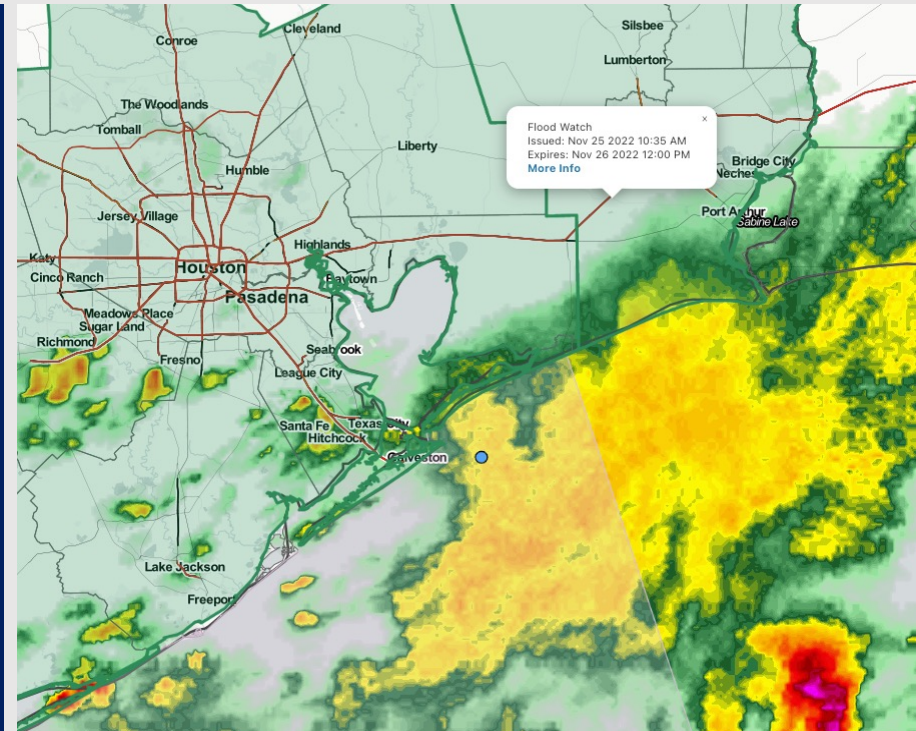
Updated: 3:00 PM CT

Friday, November 25, 2022

Forecaster: Will Danby

## Weather Headlines

- Rainfall chances continue through mid-day tomorrow before a calmer Saturday PM – Monday. Next shot of rain comes into the area Tuesday.
- Winds will continue to remain elevated over the next few days with winds \*generally\* sitting 15-20 knots at the boarding station (more info on slides below).
- **Extended reduced visibility forecast slide is now in place of the extended tropical forecast.**
- Eyeing potential fog/reduced visibility from rain/low clouds on Tuesday.
- The tropical storm threat is all but nonexistent moving forward.



Radar/NWS Alerts: 2:50 PM CT



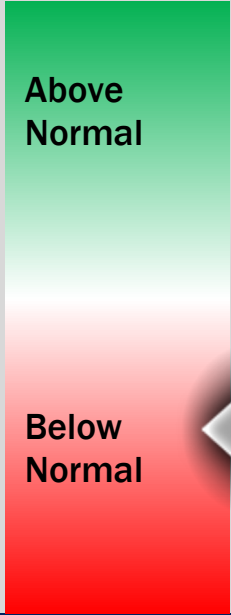
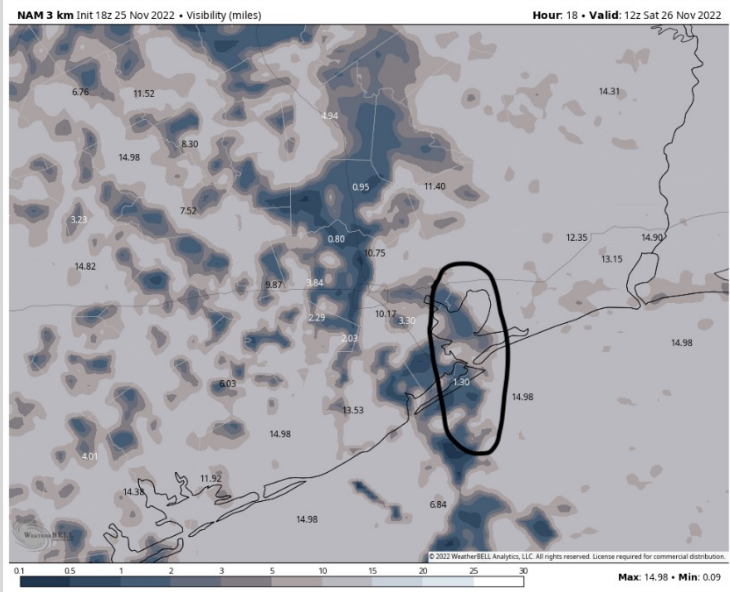
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## Visibility 7 AM CT

## Confidence



**Reduced Visibility Threat**

**3 – 6 AM SAT** **Low**

- Winds out of the ESE in the AM combined with high humidity at the surface may allow for a brief period of patchy fog from the Boarding Station through Morgan’s Point.
- Anticipating a drier slot between 1 AM through 4 AM which could help prompt development of fog before a line of storms works their way through around 7 AM
- Elevated winds at the surface are main hindrance in development of patchy fog.
- Region circled in black is the area of risk, however model is too strong in visibility reduction. Generally looking at 2 – 4-mile range.

# Houston Pilots Extended Range Visibility Report



## Monday 11/28/22

Keeping an eye on Monday evening (after sundown) for potential fog development as winds turn more out of the SE.



## Wednesday 11/30/22

Any reduced visibility from Tuesday may carry over to near daybreak before no issues the rest of the day.



## Tuesday 11/29/22

Tuesday looks like a day where there could be a mix of rain showers/ potential patchy fog/ low cloud deck. Much of the day will hold reduced visibility risk. Specifics on timing and just how reduced visibility can get will need to be fine tuned.



## Chance for Reduced Visibility

Monday AM	Unlikely
Monday PM	Possible
Tuesday AM	Possible
Tuesday PM	Possible
Wednesday AM	Unlikely
Wednesday PM	Unlikely





# Houston Pilots: Fri. 11/25/2022



## Forecast Discussion

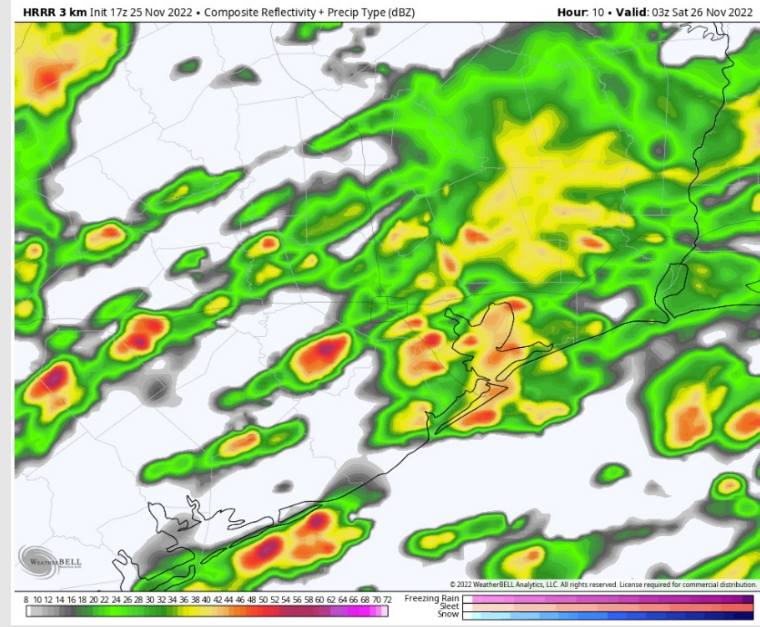
**Precip:** Moderate to heavy rain expected for this afternoon and evening, as well as for the overnight. A few locally stronger to severe thunderstorms cannot be ruled out. The biggest threat looks to be the winds (see below).

**Wind:** Sustained winds will be from the NE this afternoon. Winds N of Morgan's Point will be 7 - 13 kts and S of Morgan's Point will be 17 - 22 kts. There will be periods of calmer winds between 11/12 and Morgan's Point throughout this afternoon while winds will stay elevated at the boarding station. Winds at the boarding station will be 19 - 24 kts. Gusts to 30 kts will be possible across all stations under heavier cells.

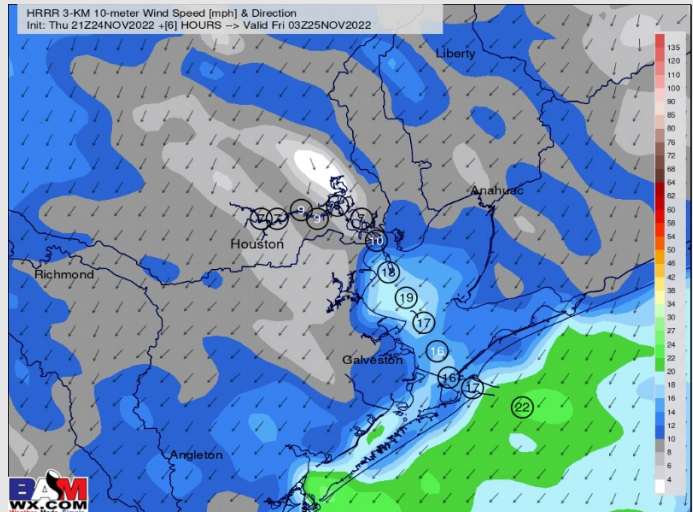
**Temps:** Low temps Thursday morning will be in the mid to lower 60s F across all stations.

**Visibility:** Outside of reduced visibility at times via heavier rain, no fog threat is favored

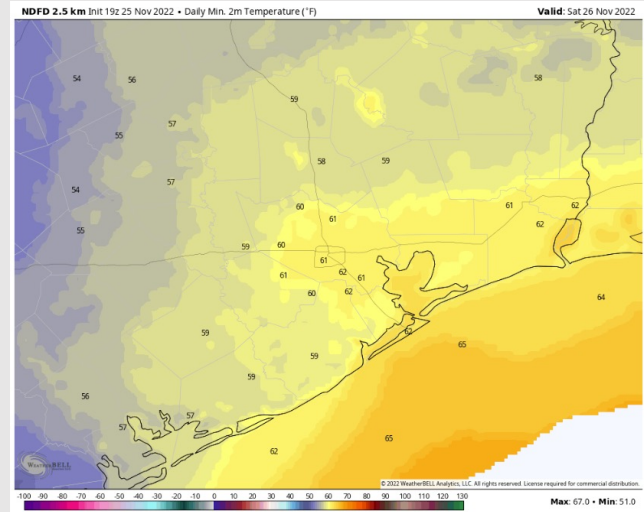
## Precip Forecast: 9 PM CT



Wind Speed  
9 PM CT



Low Temps  
Sat AM



# Houston Pilots: sat. 11/26/2022



## Forecast Discussion

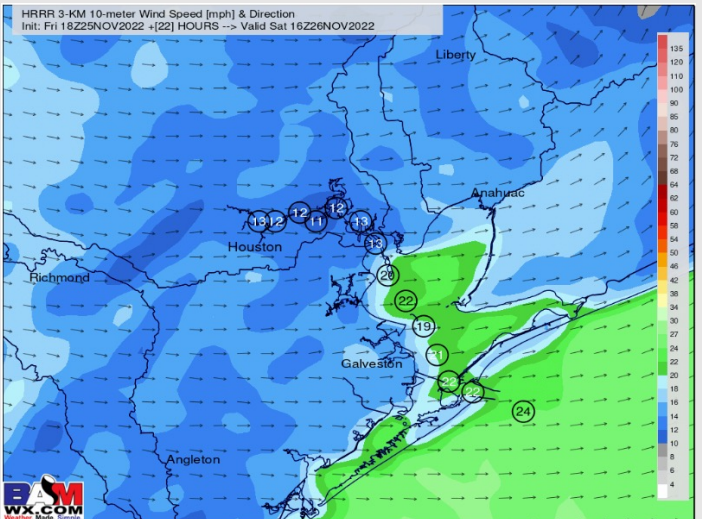
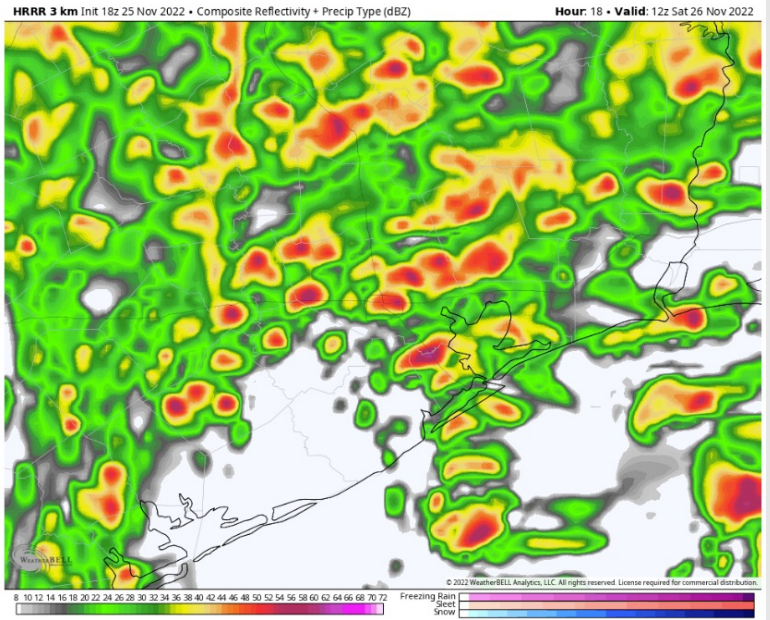
**Precip:** Widespread showers/and heavier storms (90% chance) will continue throughout most of the AM hours on Saturday. By 9 AM, chances decrease to 70% as showers/storms become more scattered throughout the area. From 12-1 PM throughout the rest of the day, anticipating dry conditions. Currently targeting the 6-9 AM window for the best threat of seeing a few stronger storms capable of producing lightning, heavy rain, and gusty winds.

**Wind:** Winds begin the morning out of the ENE at 13-18 kts at the boarding station (gusts 18-23 kts possible). Winds then shift from E to W in the 7-9 AM timeframe when the best strong storm risk is. Winds will then stay out of the W/WSW at 15-20 kts with gusts reaching 20-25 knots. Under the heaviest cells in the morning, a few gusts of 29 - 32 kts will be possible.

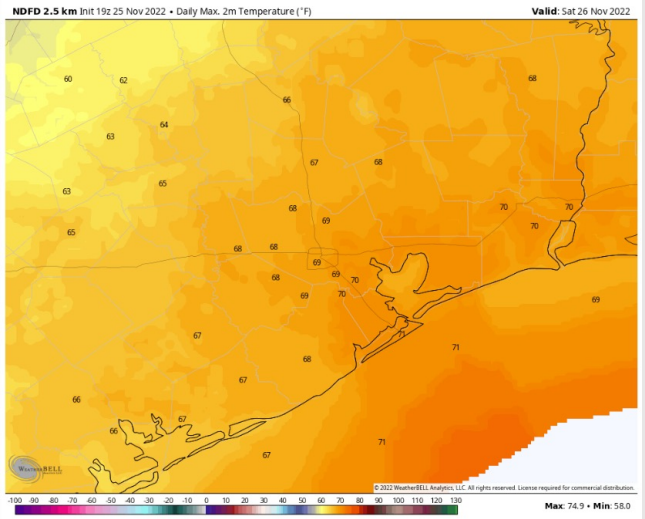
**Temps:** High temperatures on Saturday in the high 60s F to low 70s F.

**Visibility:** Low confidence at this time, but 3-7 AM may need watched for patchy fog potential out ahead of the stronger storms / wind change. Refer to the visibility slide for more details.

## Precip Forecast: 6 AM CT



Wind Speed  
9 PM CT



High Temps  
Saturday

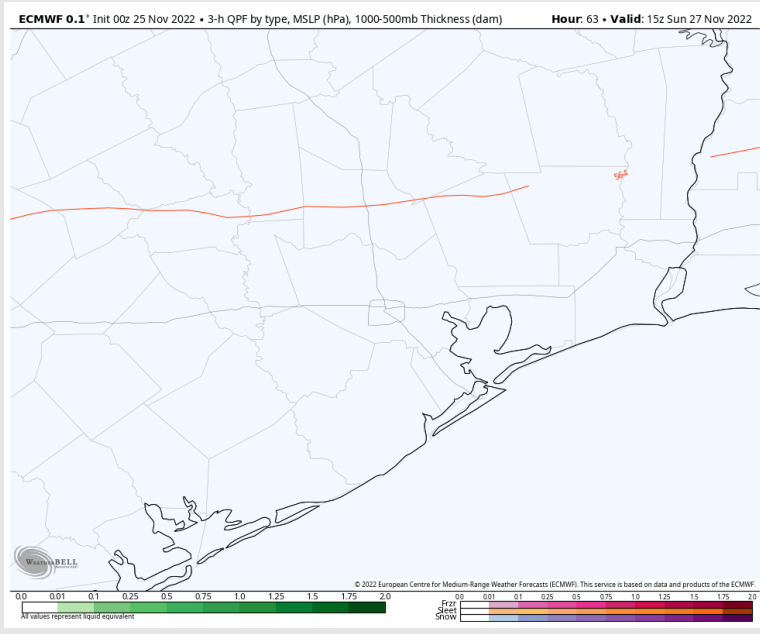
# Houston Pilots: Sun. 11/27/2022



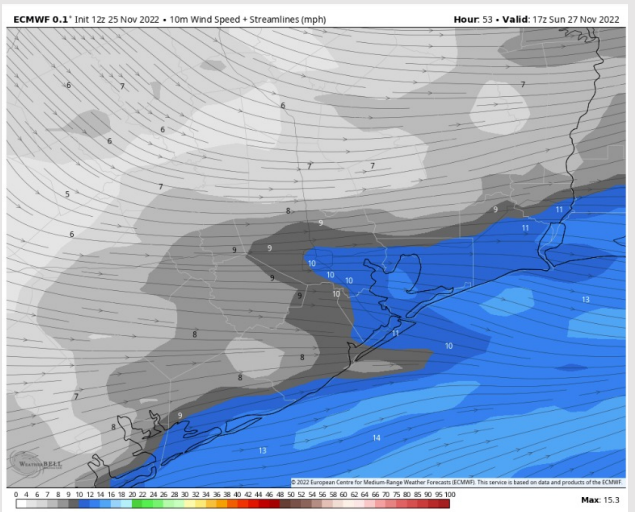
## Forecast Discussion

- Precip:** Anticipating dry conditions Sunday.
- Wind:** Wind direction will be out of the W all day (variations at times to WSW and WNW). Speeds at the boarding station sit 8-13 knots before 10 AM and then 5-10 knots the rest of the day. Winds N of 11/12 will be 10 -16 kts until 3 PM then subside to 3 – 6 kts for the rest of the day.
- Temps:** Highs will sit right around 70F across all stations
- Visibility:** No visibility concerns Sunday.

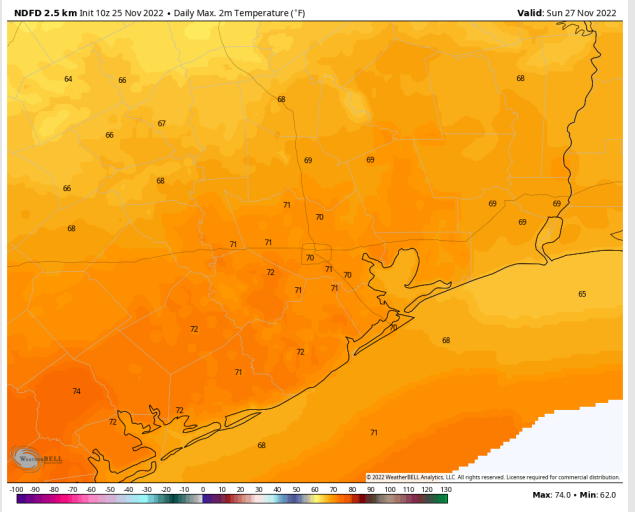
## Precip Forecast: 4 PM CT



Wind Speed  
11 AM CT



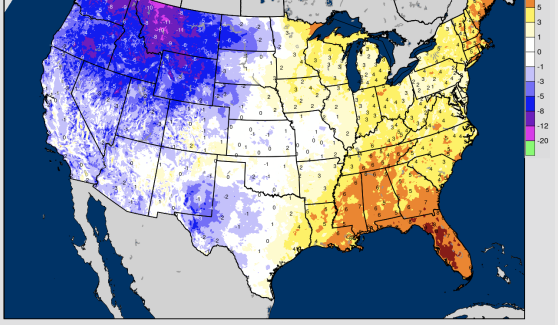
High Temps  
Sunday



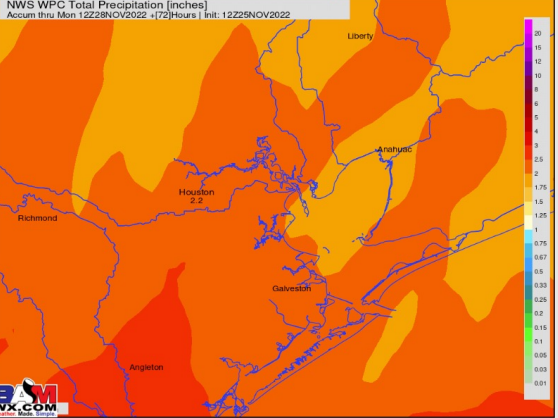


# Houston Pilots: 11/25/22

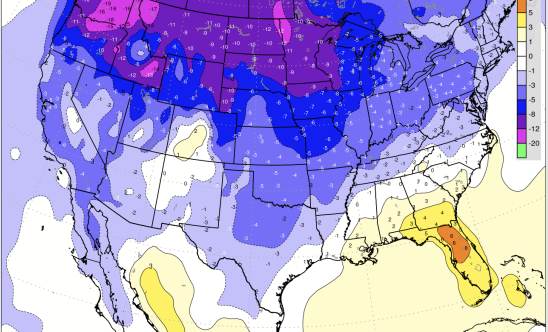
BAMcast Average Temperature Anomaly [°F]  
7-DAY AVG for Fri 25NOV2022 thru Thu 01DEC2022 Days 1 to 7



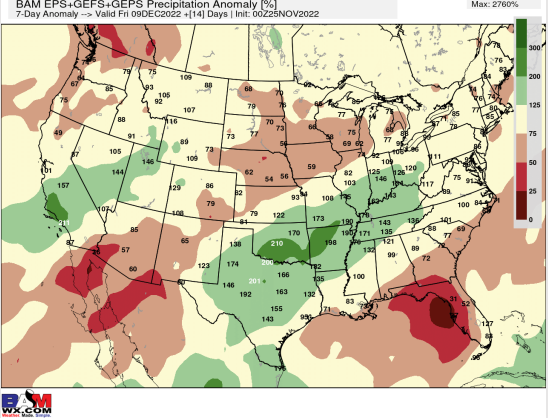
NWS WPC Total Precipitation [inches]  
Accum thru Mon 12/22/2022 +172Hrs Int: 12/25NOV2022



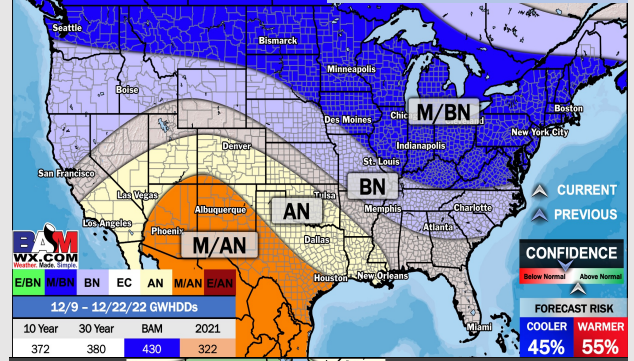
GEFSv12 7-Day Average - 2-meter Temperature Anomaly [°F]  
Init: Fri 00Z25NOV2022 +[336] HOURS -> Valid Fri 00Z09DEC2022



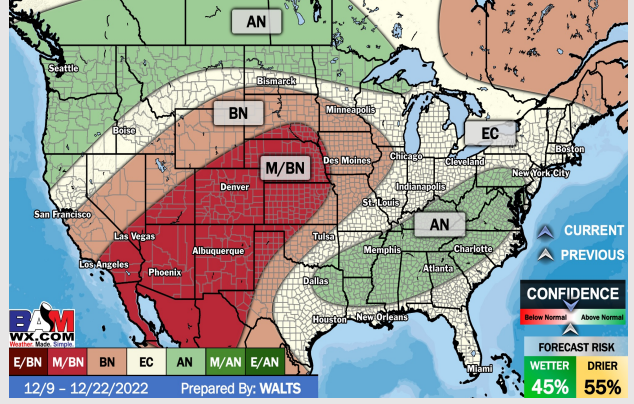
BAM EPS+GEFS+GEPs Precipitation Anomaly [%]  
7-Day Anomaly -> Valid Fri 09DEC2022 +114] Days ] Int: 00Z25NOV2022



UPDATED: 11/25/22 WEEK'S 3/4



UPDATED: 11/25/22 WEEK'S 3/4 PRECIP DEPARTURE



- Rain chances through tomorrow AM where heavy rain will be possible. A break Saturday PM – Monday before another shot of rain Tuesday.
- Week 2 is expected to be near normal for temperatures and near normal for rain chances into early December.
- The weeks ¾ timeframe looks to feature above normal temperatures and below normal risks for precipitation.