

Houston Pilots Forecast Package



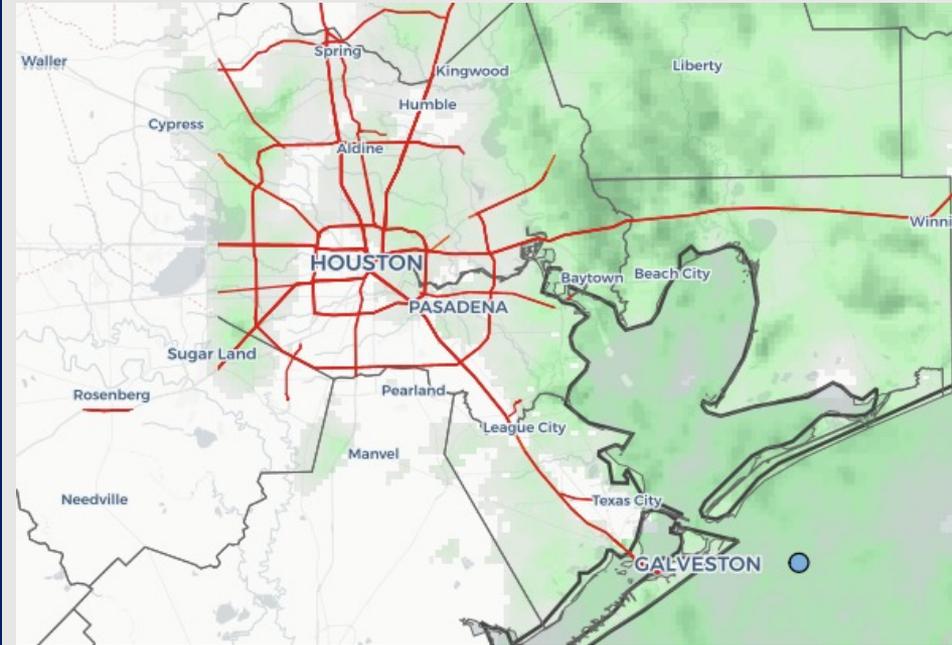
Updated: 5:00 AM CT

Monday, December 20, 2021

Forecaster: Vince Bryan

Weather Headlines

- Light showers around the area lift by mid-morning and start a dry next several days.
- Winds will slowly taper off and be less than 15 MPH sustained as the rain exits.
- Initial setup for any sea fog does not look great late week once the winds turn more Southerly into Thursday, but this threat will be ironed out as we work closer.
- Could be looking at some gusty winds Thursday night into Fri AM, sustained winds 15-20 MPH with gusts 20-30 MPH possible.



Radar/ NWS Alerts: 5:00 AM 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 Extended Range Visibility Report



Thursday, 12/23/21

Worth keeping an eye on Thursday, but atmospheric profiles are not very supportive of sea fog at this distance.



Friday, 12/24/21

Winds look to be a bit too strong for fog development. This threat will still need to be watched, but right now fog is not favored.



Saturday, 12/25/21

A SW wind likely prohibits any fog formation and development will not be favored at this time.



Daily Fog Chance

Thursday AM	Unlikely
Friday AM	Unlikely
Saturday AM	Unlikely

Houston Pilots: Mon. 12/20/2021



Forecast Discussion

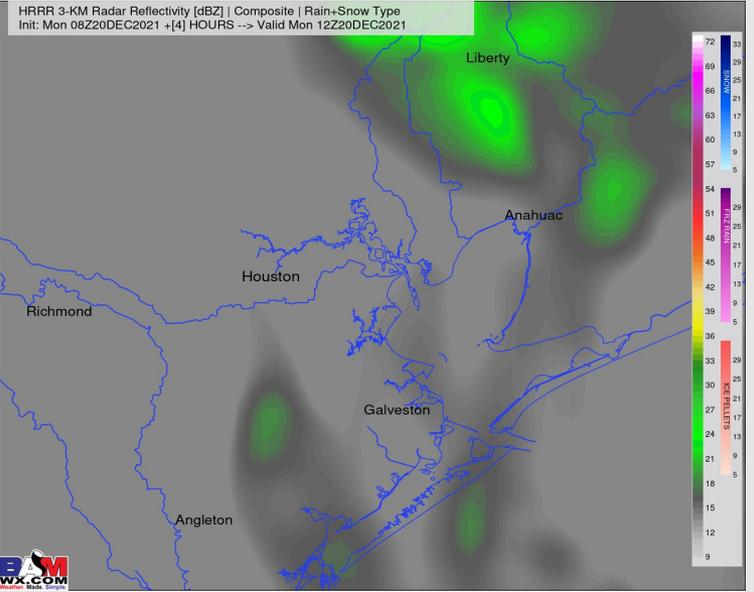
Precip: Ongoing precip will continue for the next few hours before likely winding down by the ~8-9 AM window, Anticipating a dry rest of our day.

Wind: Sustained winds 15-20 MPH with gusts 20-25 MPH will continue for Mon AM at the boarding station. By 9 AM, winds look to calm to 8-13 MPH sustained at the boarding station with gusts 13-18 MPH possible through the rest of the day. Winds remain out of the NNE/NE for Mon.

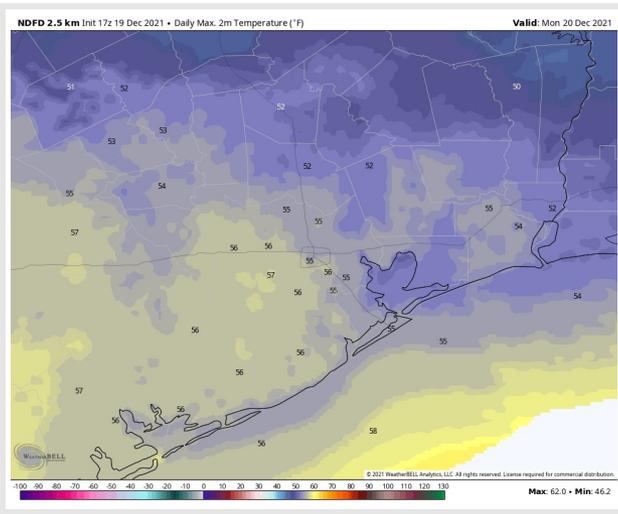
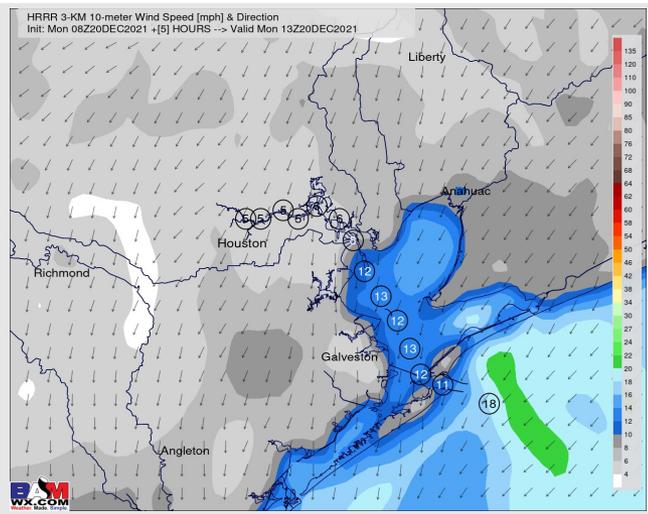
Temps: High temperatures look to only get into the mid 50s F.

Visibility: No fog is favored, but this morning's rain may slightly reduce visibility.

Precip Forecast: 7 AM CT



**Wind Speed:
8 AM CT**



High Temps

Forecast Discussion

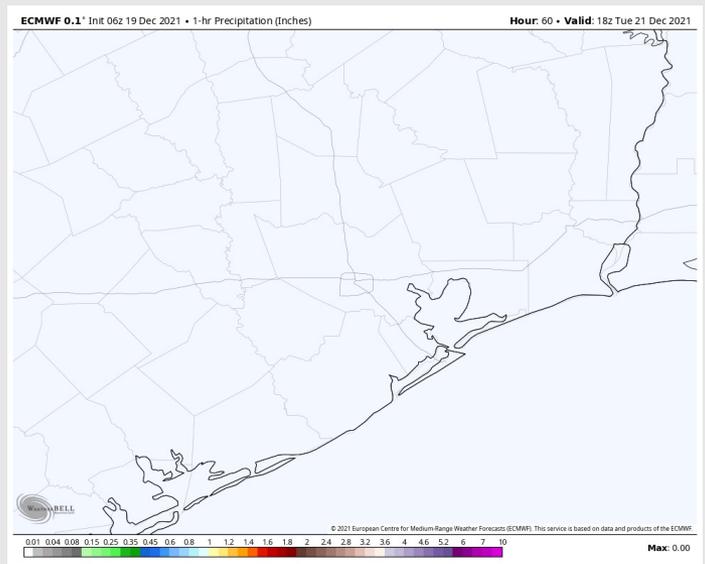
Precip: Anticipating dry conditions for our stations on Tuesday.

Wind: Sustained winds look to continue 10-15 MPH out of the NNE with gusts 15-20 MPH at the boarding station for the morning hours on Tue. By the noon – 1PM timeframe, sustained winds are 5-10 MPH with gusts 10-15 MPH at the boarding station are favored with a more Northerly direction. Winds calm further to 3-8 MPH by the 7-8 PM timeframe and beyond.

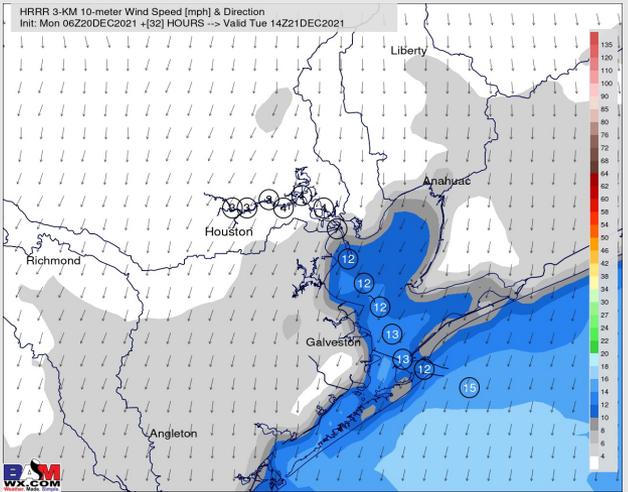
Temps: High temps on Tuesday look to sit in the upper 50s to low 60s F.

Visibility: Currently not anticipating fog at our stations for Tue.

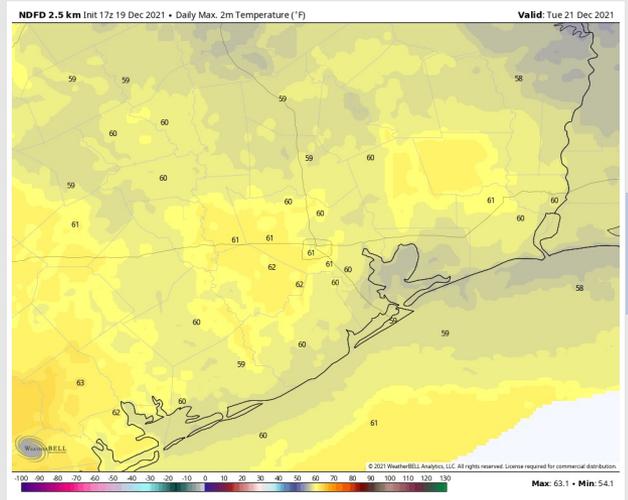
Precip Forecast: 12 PM CT



Wind Speed 9 AM CT



High Temps Tuesday



Forecast Discussion

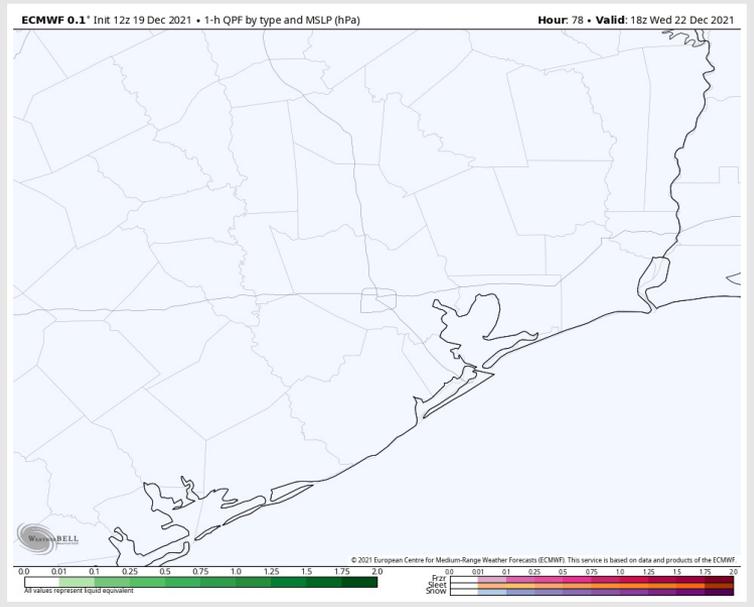
Precip: Dry conditions are favored for Wednesday.

Wind: Sustained winds look to continue 3-8 MPH out of the S/SE into Wed AM at the boarding station. By ~noon winds are 5-10 MPH sustained with gusts 10-15 MPH at the boarding station through sundown. By sundown winds pick up again to 10-15 MPH sustained with gusts 15-20 possible at the boarding station into the overnight.

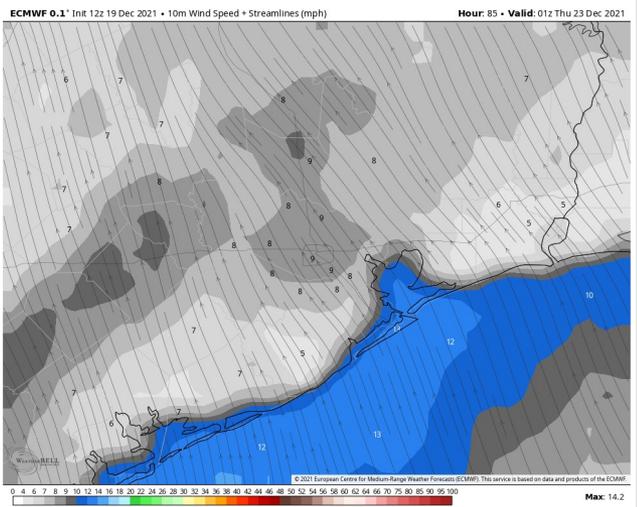
Temps: High temps on Wed look to sit in the mid 60s F.

Visibility: While the potential for fog is on the lower end for for Wednesday, we'll continue to keep the mention given the calmer winds and clear skies. Any fog looks to be of more of a typical fog we'd see further inland rather than sea fog, meaning the ~5-9 AM window would be the best shot for it.

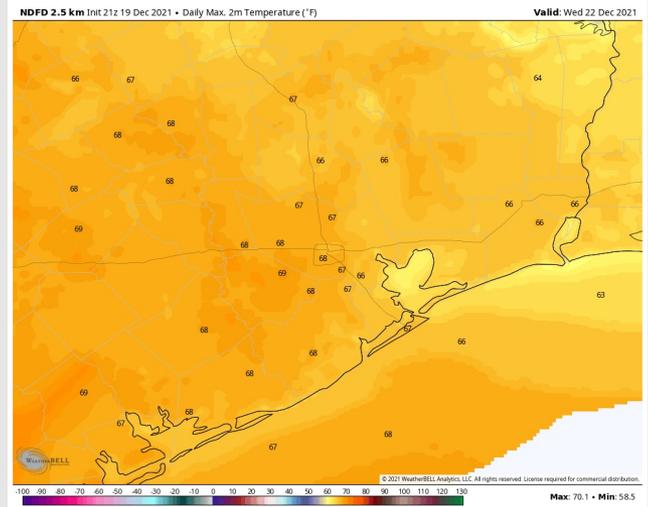
Precip Forecast: 12 PM CT



Wind Speed 7 PM CT



High Temps Wednesday

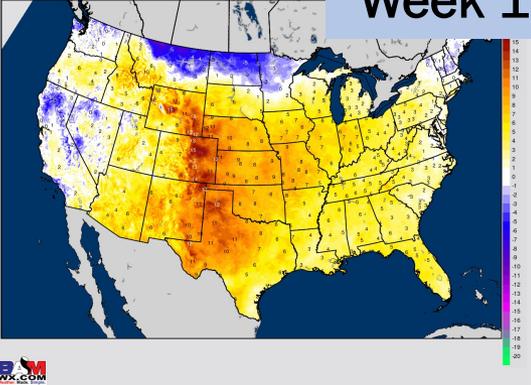


Houston Pilots: 12/20/21

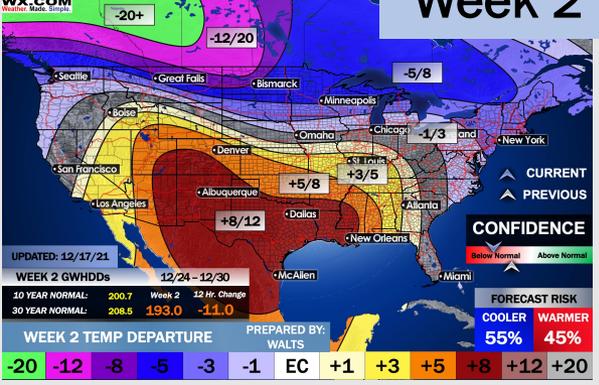


BAMCast Average Temperature Anomaly [°F]
7-DAY AVG for Sun 19DEC2021 thru Sat 25DEC2021 Days 1 to 7

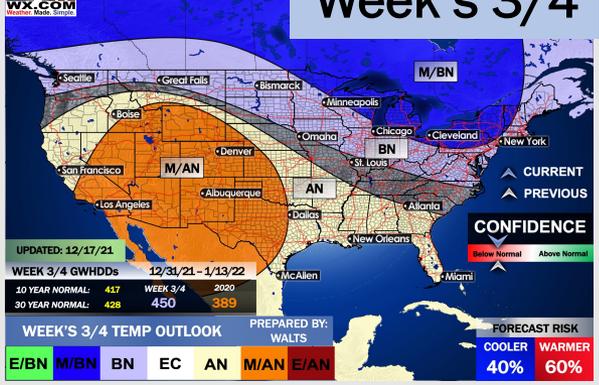
Week 1



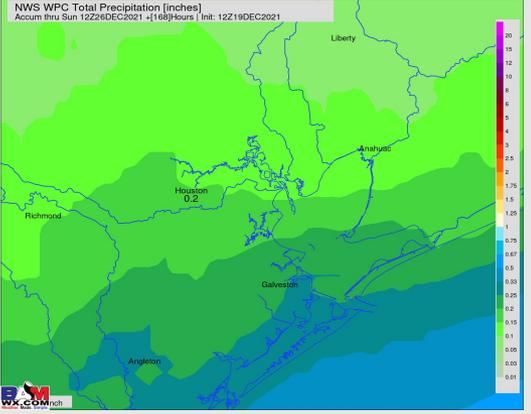
Week 2



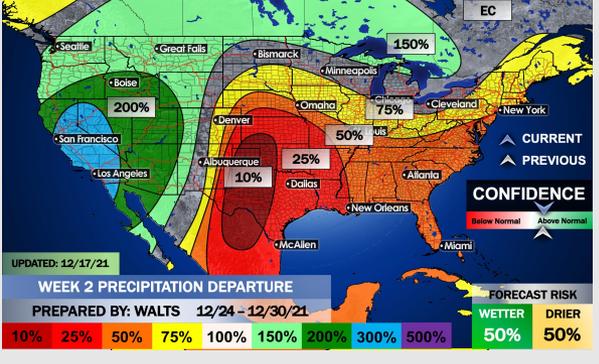
Week's 3/4



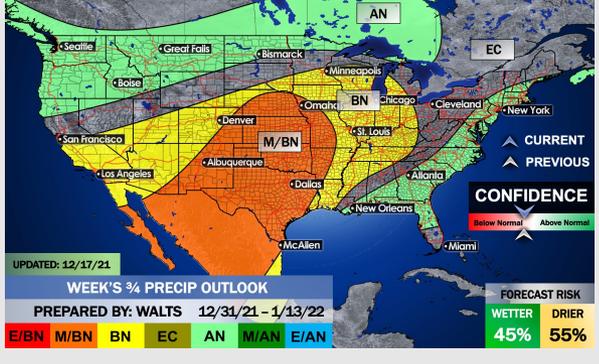
NWS WPC Total Precipitation [inches]
Accum thru Sun 12/26DEC2021 +168Hours | Init: 12/19DEC2021



Week 2



Week's 3/4



- Monday looks to be our only shot at precipitation for the pre-holiday work week. Temps the first half of the week will be below average before warming to above average to end the week.
- The week 2 timeframe is expected to have above normal temperatures and below normal risks for precipitation.
- Right now, we are favoring above normal risks for temperatures and below normal risks for precip for the weeks 3 and 4 timeframe.