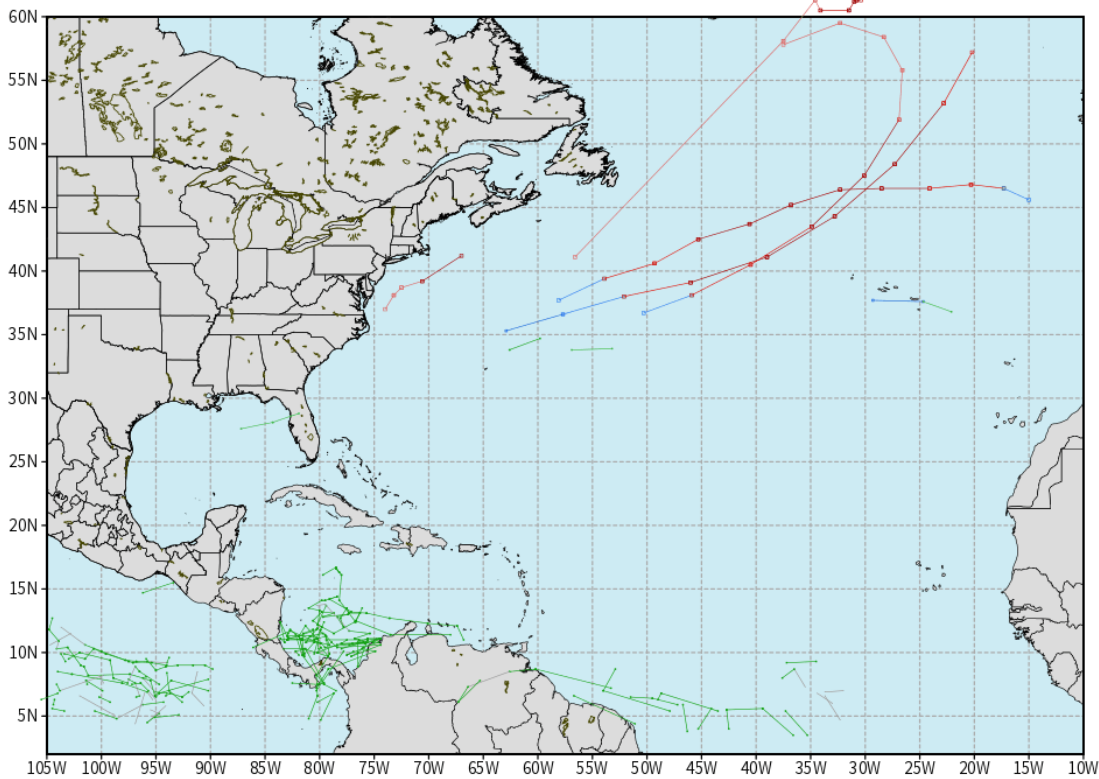


European Data Tracks Next 10 Days

ECMWF ATLANTIC EPS Cyclone Locations --> Next [10-days]
INIT: 00Z18NOV2022 --> UNTIL 00Z28NOV2022

o-o ENSEMBLE MEAN
o-o 1000 - 1010 hPa
o-o 980 - 999 hPa
o-o 960 - 979 hPa
o-o 950 - 959 hPa
o-o < 950 hPa



weathermodels.com

Not anticipating any tropical activity for SE TX over the next 10 days.

Confidence



Above Normal Below Normal

Houston Pilots Visibility Report



Time	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm	Fri 11pm	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	7	7	6	5	5	6	7	10	10	
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	7	7	6	5	5	6	7	10	10	
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	7	7	6	5	5	6	8	10	9	
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	7	6	6	5	5	6	7	10	9	
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	7	7	6	5	5	6	8	10	9	
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	9	9	8	7	6	6	6	6	5	6	8	9	9	
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	9	8	6	6	5	6	6	7	4	6	8	9	9	
75/76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	6	5	5	5	7	7	8	3	5	8	9	8	
63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	5	4	4	5	7	7	9	2	5	8	9	8	
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	4	4	5	7	7	9	2	5	8	9	8	
37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	5	4	4	5	7	7	8	2	6	8	9	8	
25/26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	5	5	5	4	5	7	7	7	2	6	9	8	8	
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1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	6	3	5	7	8	6	7	6	7	1	5	9	6	7

Houston Pilots Wind Report



Example

Sustained wind 13 Knots
 Gusts 18 Knots
 Wind from the N

WS: 13
 G:18
 N

Time Knots	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm	Fri 11pm	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm		
610 Bridge	7	7	6	5	5	4	4	4	5	5	5	6	6	6	7	7	7	7	8	9	9	9	10	10	10	10	10	10	11	11	11	11	11	10	9	9	9	8
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
Kinder 1	7	7	6	4	5	5	4	4	5	5	5	5	6	6	6	7	7	7	8	9	10	10	10	10	10	10	10	11	11	11	11	11	10	9	9	9	8	
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
Greens Bayou	7	6	6	5	5	5	4	4	5	5	5	5	6	6	5	7	7	7	8	9	10	10	10	10	10	10	10	11	11	11	11	11	10	9	9	9	8	
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
Shell Crude	6	6	5	5	5	4	4	4	5	5	5	5	6	6	5	7	7	7	8	9	9	10	10	10	10	10	10	11	11	12	12	12	11	10	10	9	8	
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
Lynchburg Ferries	6	6	4	5	4	3	4	4	4	5	4	4	5	5	4	7	8	8	9	9	10	10	10	10	10	10	11	11	12	12	12	11	11	10	10	9	8	
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
Exxon 3	6	6	4	5	4	3	3	4	4	5	4	3	5	5	4	8	8	8	9	10	10	11	11	11	11	11	11	12	12	12	12	12	11	10	10	10	9	
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Morgans Point	7	8	5	5	6	4	5	6	6	7	7	6	8	8	7	10	10	10	11	12	12	12	12	12	12	12	13	13	13	13	13	12	11	11	11	10		
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75/76	12	12	9	8	9	9	10	10	11	12	12	12	12	14	14	13	13	13	14	14	15	15	15	14	15	15	15	15	15	15	15	15	14	14	14	14	13	
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63/64	13	13	10	9	10	10	11	12	13	13	14	14	16	17	17	14	14	15	15	16	16	16	16	16	16	16	17	17	17	17	17	17	16	16	16	16	15	
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51/52	14	13	12	10	10	10	11	12	13	14	15	14	16	16	16	15	15	15	16	17	17	17	17	17	18	18	18	18	18	18	18	18	18	17	17	17	16	
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37/38	15	15	14	13	11	10	10	12	13	14	15	15	16	16	17	16	16	16	17	17	17	18	18	18	18	19	19	19	19	19	19	19	18	18	18	17	17	
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25/26	15	14	14	13	13	10	10	11	12	13	14	15	15	16	16	16	16	17	17	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	18	18	17	
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11/12	16	15	15	14	13	11	11	12	12	13	14	14	15	16	16	16	17	17	18	18	19	19	19	19	20	20	20	20	20	20	20	20	20	20	19	19	18	18
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
1 & 2 Bravo	19	18	18	16	16	14	14	15	14	14	15	14	16	16	16	17	18	18	18	19	19	20	21	21	21	21	21	21	21	21	21	21	21	21	21	20	19	
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE

See slides below for official thoughts on winds.

Houston Pilots: Fri. 11/18/2022

Forecast Discussion

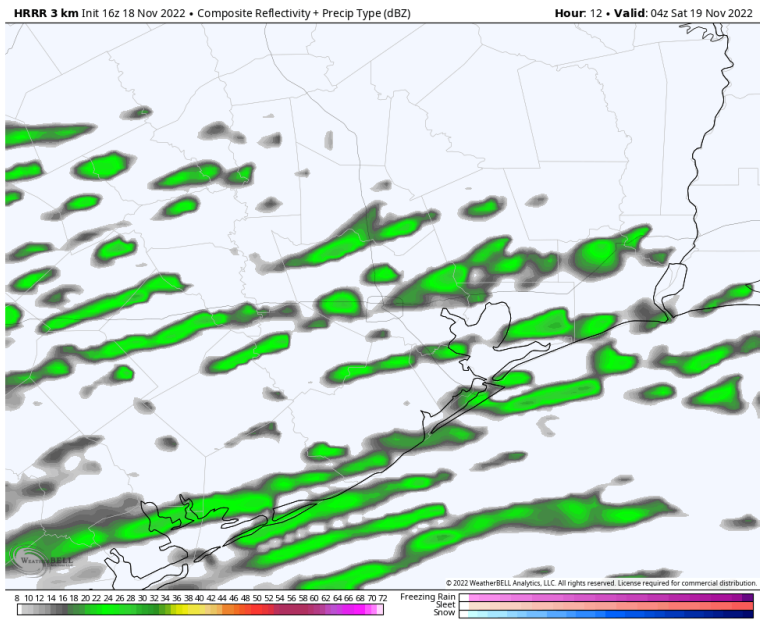
Precip: Anticipating dry conditions until 6PM. After 6PM, expecting scattered showers to work into the area at 60-70% and continue for the rest of the evening. An isolated lighting strike cannot be ruled out.

Wind: Sustained NE winds N of Morgan's Point at 8-13 kts and 15-20 kts for stations S of Morgan's Point. These winds sustain for the rest of the day. Wind gusts of up to 25 kts are possible around 8 AM around the boarding station.

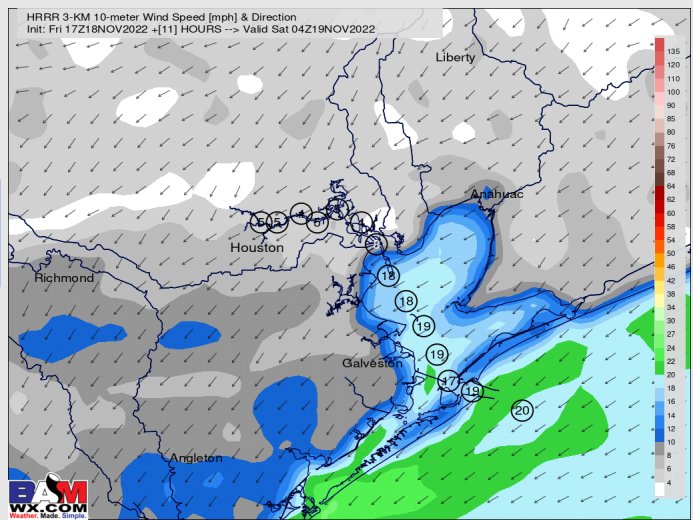
Temps: Low temperatures on Saturday in the low 50s F at the boarding station and in the mid 40s for all other stations.

Visibility: Not anticipating any visibility concerns at this time.

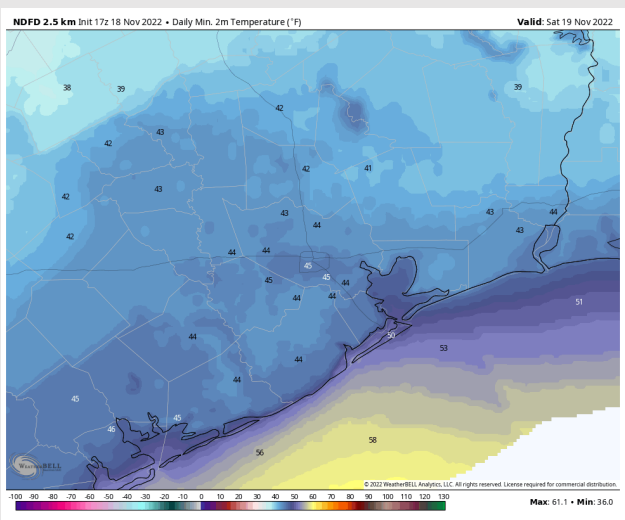
Precip Forecast: 10 PM CT



Wind Speed
10 PM CT



Low Temps
Saturday AM



Houston Pilots: sat. 11/19/2022

Forecast Discussion

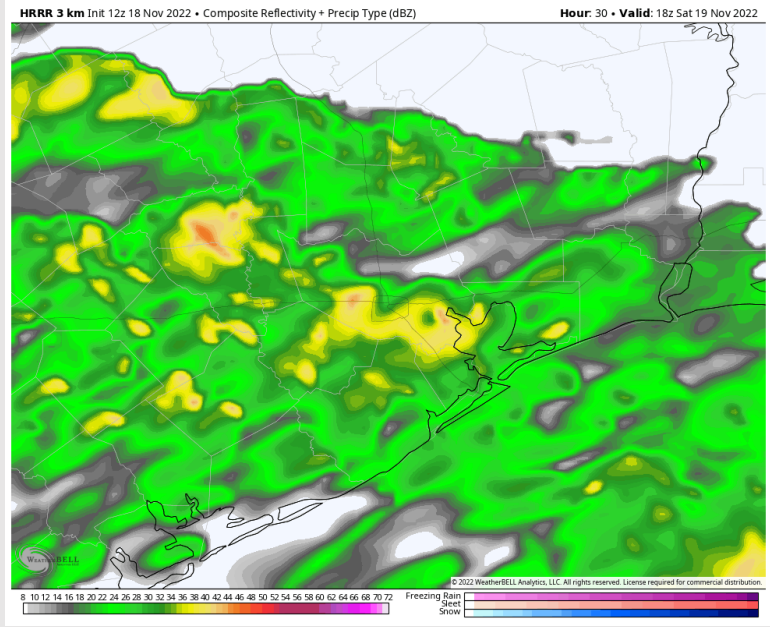
Precip: Anticipating widespread showers/storms to continue Saturday morning. By 7 AM, coverage will increase to 80% producing moderate to at times heavy rain. By 3 PM, coverage will slightly decrease to 50% and continue for the rest of the evening and overnight. Lightning and locally downpours cannot be ruled out.

Wind: Sustained winds out of the N/NE for the entire day. Winds N of Morgan's Point will be at 9 - 14 kts for the entire day. Winds S of Morgan's Point will be at 15-20 kts until 9 AM, when they increase to 18-23 kts for the rest of the day. Around 12 PM, winds near the boarding station increase to 22-27 kts. Gusts of 30-40 kts will be possible throughout the afternoon.

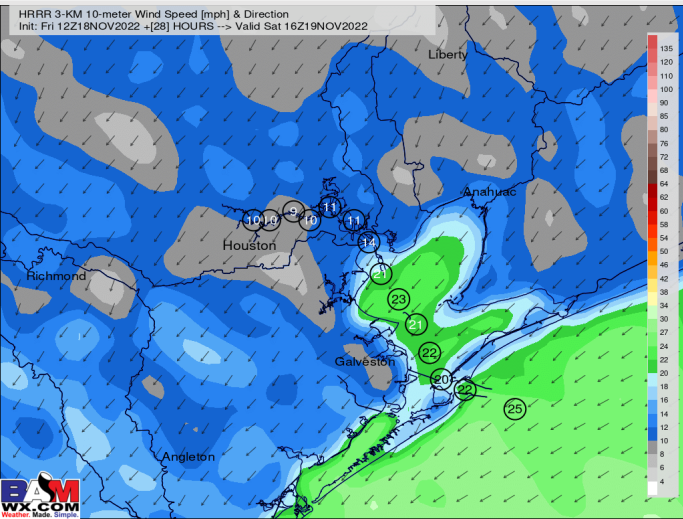
Temps: High temperatures will be in the mid 50s near the boarding station and near 50 F at all other stations.

Visibility: Not anticipating any fog concerns. Showers/storms throughout the day may cause reduced visibility.

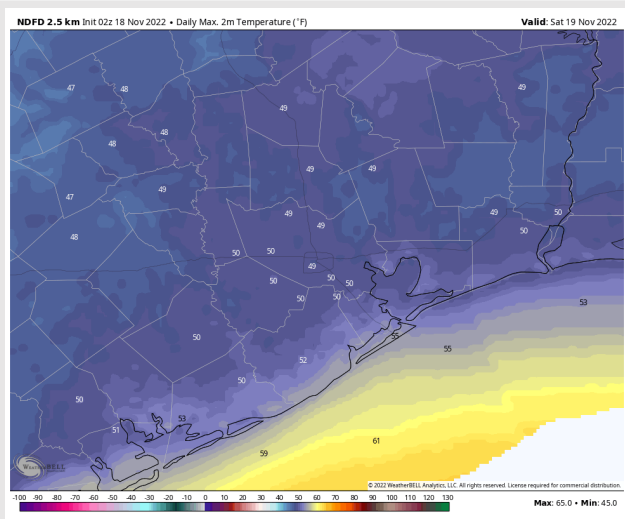
Precip Forecast: 10 AM CT



Wind Speed
10 AM CT



High Temps
Saturday



Houston Pilots: Sun. 11/20/2022



Forecast Discussion

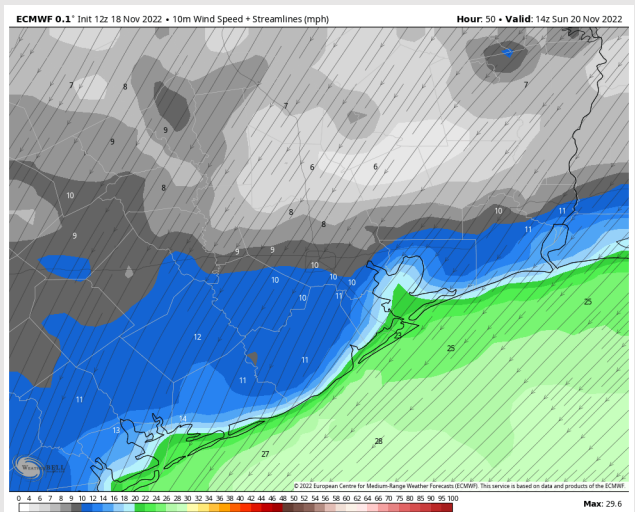
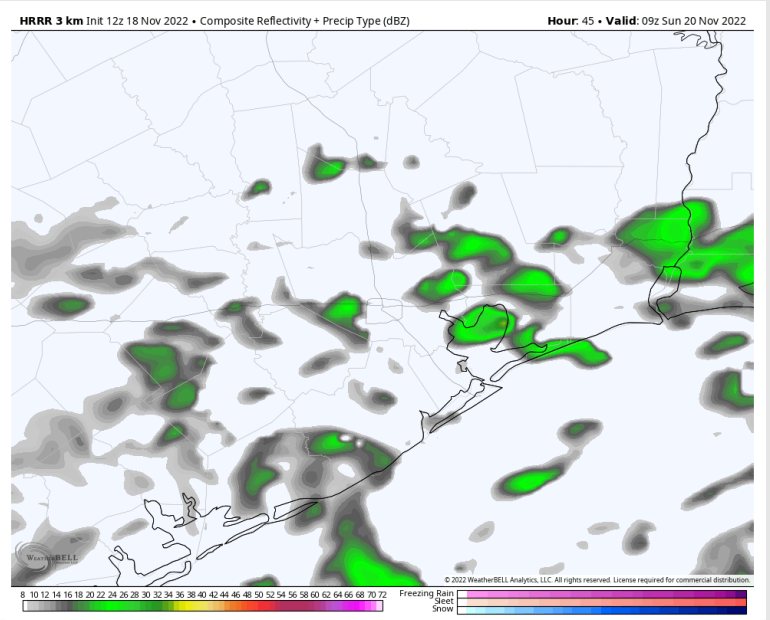
Precip: Sporadic showers 20-30% will continue until 6/7 AM. Anticipating dry conditions thereafter and for the rest of the day.

Wind: Sustained winds from the E/NE throughout the day Sunday. Sustained winds at 8-10 kts N of Morgan's Point and 12-20 kts S of Morgan's Point Sunday AM. By 1 PM winds N of Morgan's Point will die down to 5-7 kts, while winds S of Morgan's Point will decrease to 8-15 kts for the rest of the day.

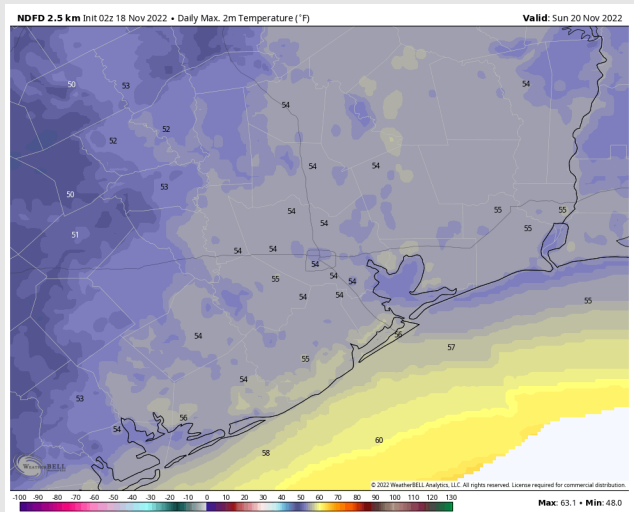
Temps: High temperatures will be in the mid 50s F across all stations.

Visibility: Not anticipating any visibility concerns at this time.

Precip Forecast: 3 AM CT

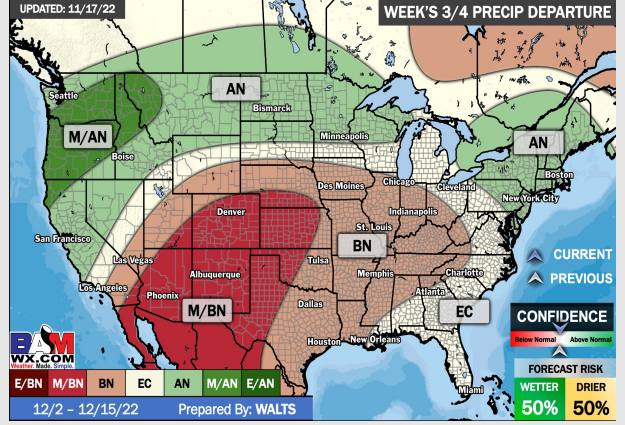
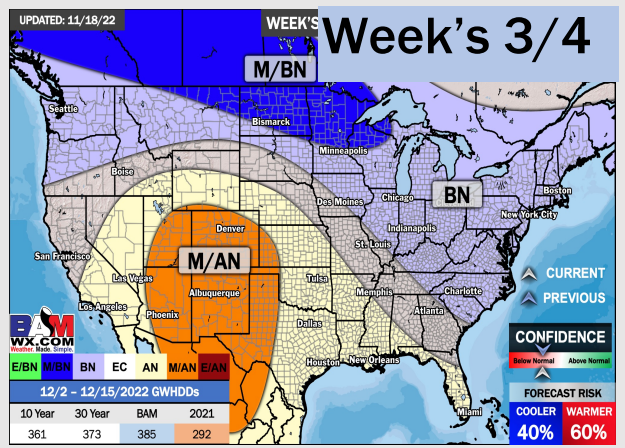
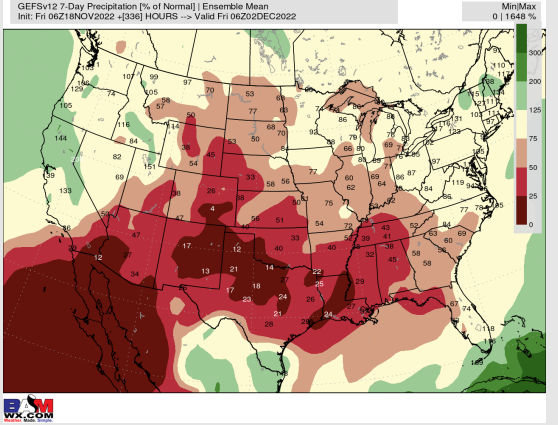
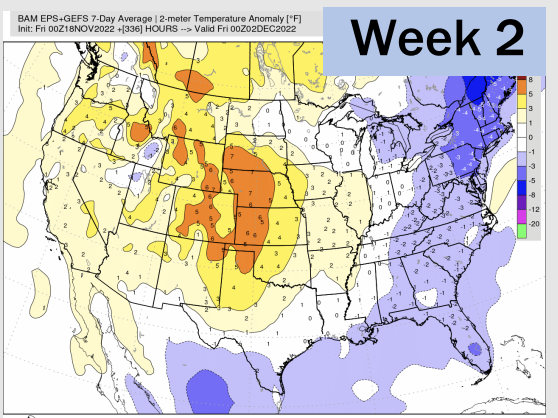
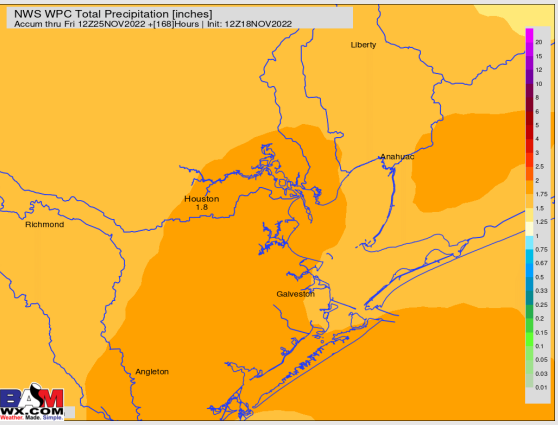
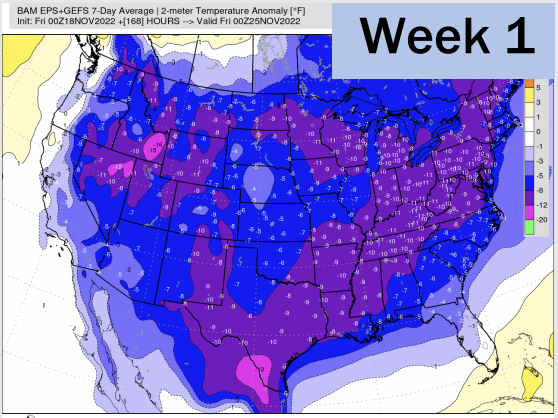


Wind Speed
8 AM CT



High Temps
Sunday

Houston Pilots: 11/18/22



- Temperatures expected to be much below normal this week as much of the country is below average. Best chance for precipitation tonight and tomorrow.
- Week 2 to feature below normal temperatures and below normal precipitation.
- The weeks 3/4 timeframe looks to feature above normal temperatures and below normal risks for precipitation.