



# Weekly Weather Update

2:30 PM CDT

Thursday, December 2, 2021

Seth Warthen, *NWS Lake Charles*





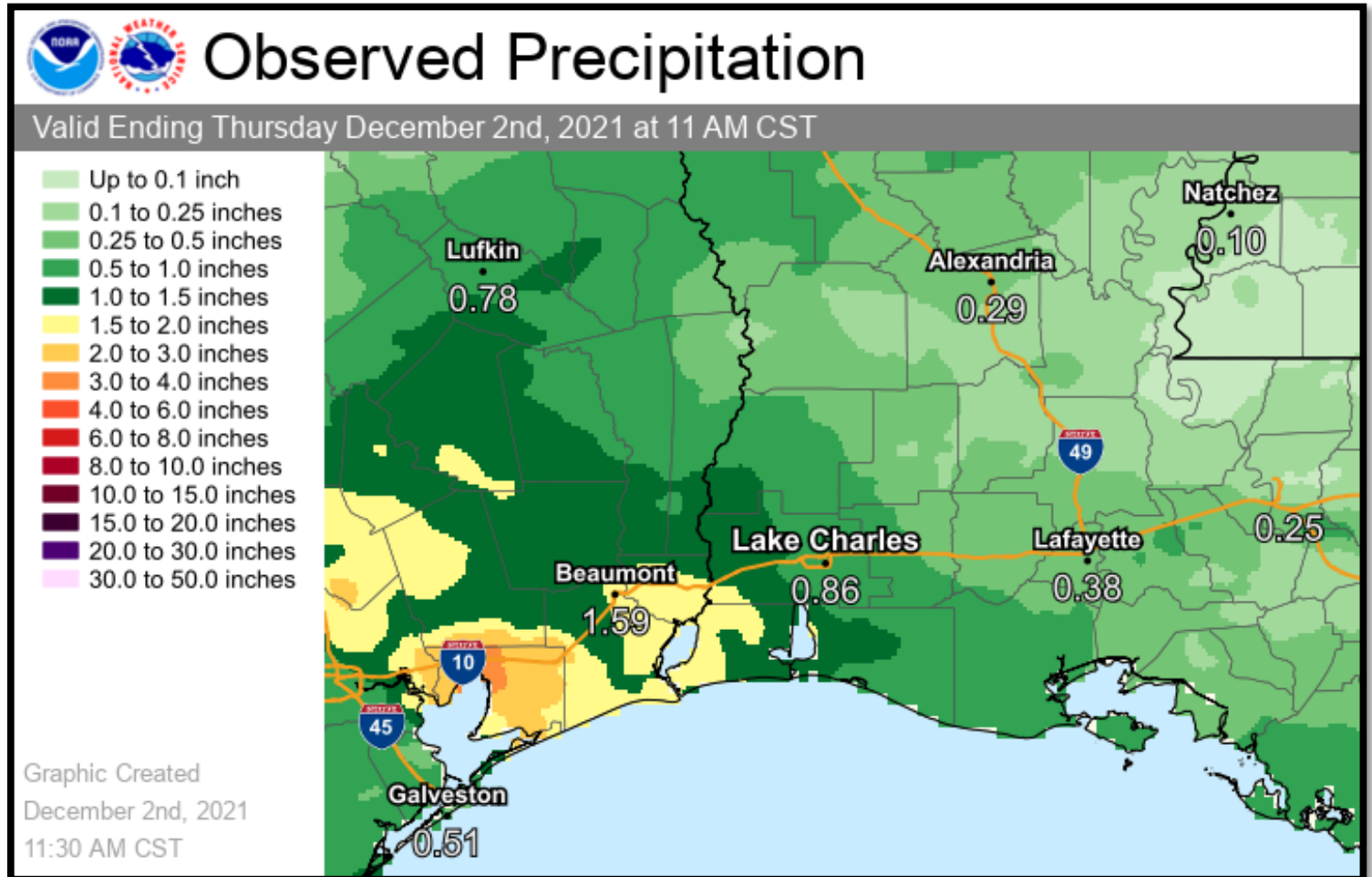
## TOP STORIES:

**-Patchy areas of dense fog will continue to be an issue over the next several nights.**

**-A cold front is expected to push into the region by early next week.**

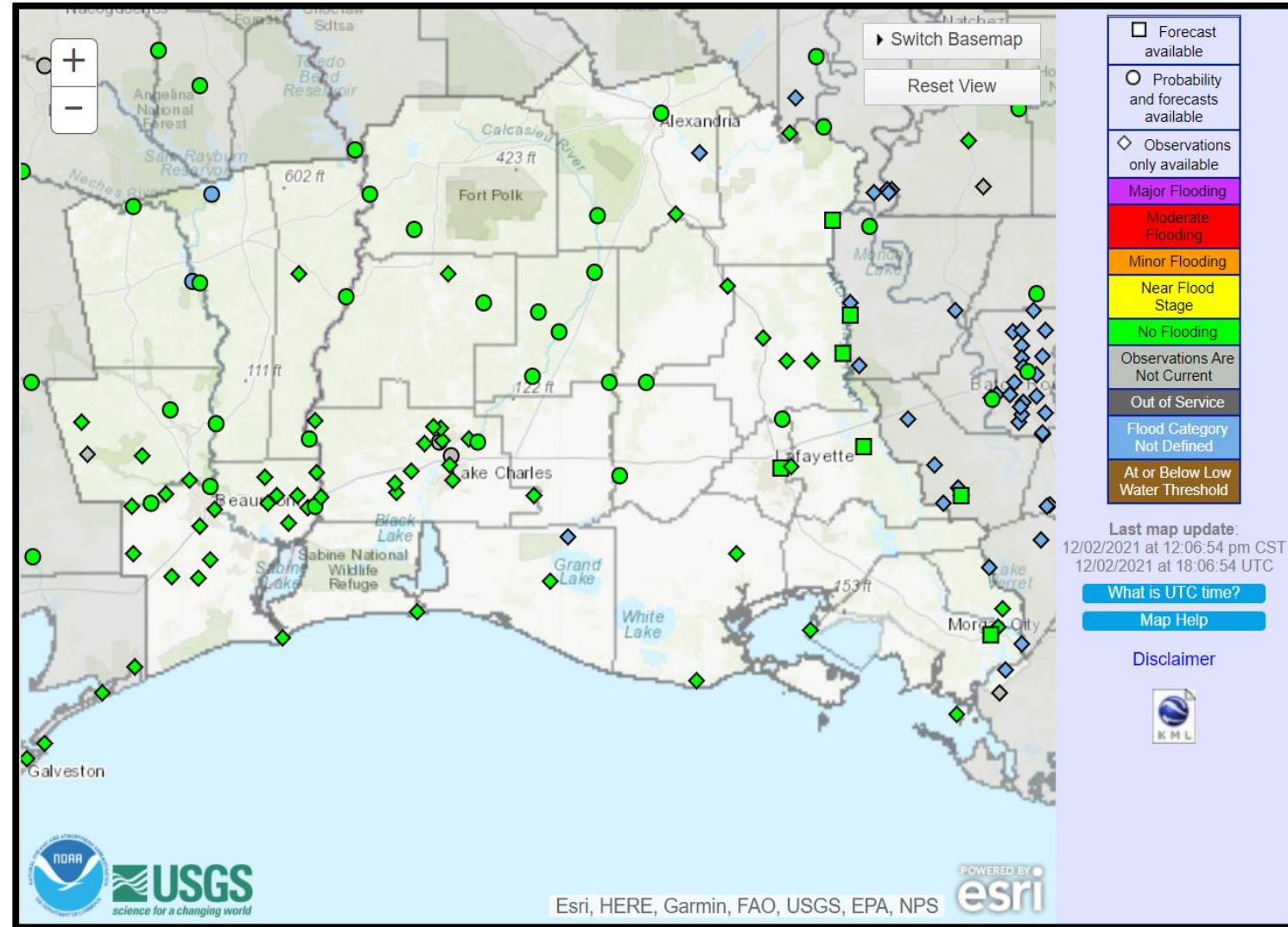
	Low Temperatures	High Temperatures	Chance For Rain
Friday	53-57 F	73-77 F	<10%
Saturday	56-59 F	74-77 F	10-20%
Sunday	56-60 F	74-78 F	20-30%
Monday	52-59 F	63-70 F	40-50%
Tuesday	40-50 F	66-72 F	20-30%
Wednesday	54-60 F	67-73 F	40-50%
Thursday	48-56 F	69-73 F	10-20%
Normals This Time of Year	40-47 F	63-66 F	30%-45%

A frontal boundary around the Thanksgiving holiday resulted in fairly light rainfall across the region. Some additional light rainfall was also observed Saturday night.





With the mostly benign weather pattern, no area rivers are currently above flood stage. River flooding is not anticipated over the next week.



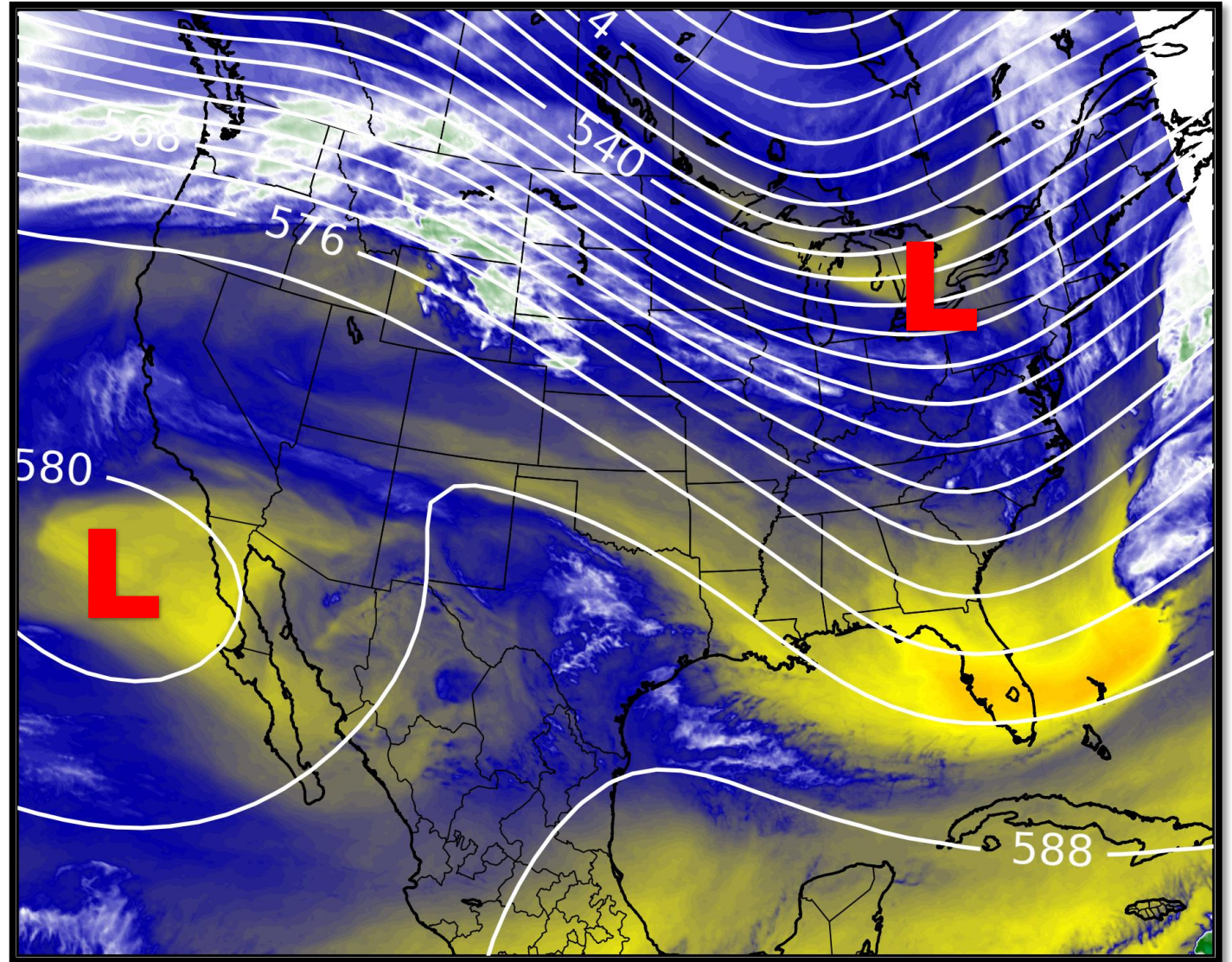
# Upper Level Steering Patterns



Lake Charles  
WEATHER FORECAST OFFICE

A broad upper level trough associated with the jet stream extends from the Pacific Northwest down through the Mid-Atlantic states.

A cutoff low is also noted in the Pacific off of the coast of the Baja Peninsula.



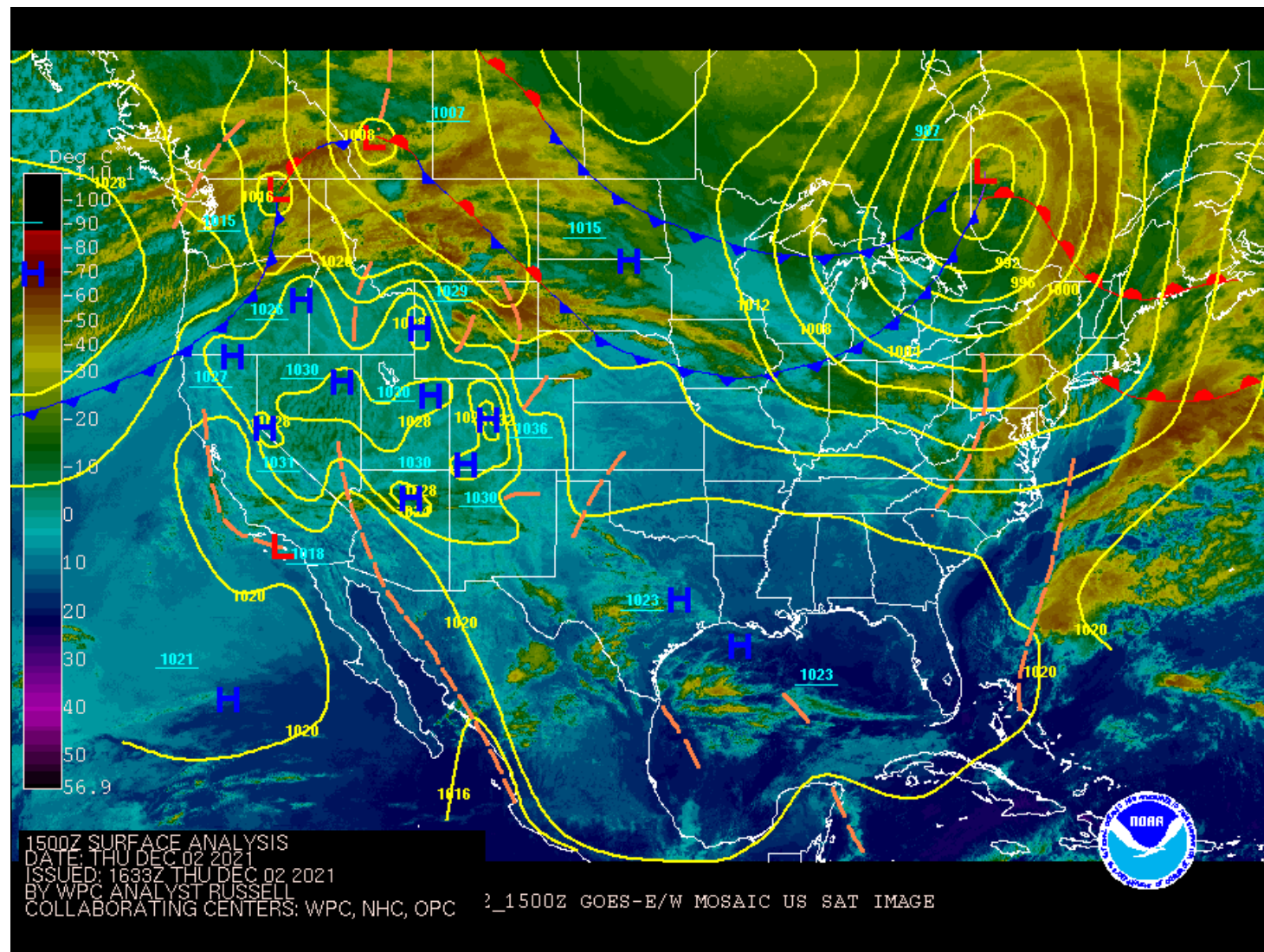
# Surface Weather Map with Fronts



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WEATHER FORECAST OFFICE

Areas of surface low pressure and associated frontal boundaries mostly remain in the vicinity of northern trough.

Locally, surface high pressure remains in place along the northern Gulf coast.



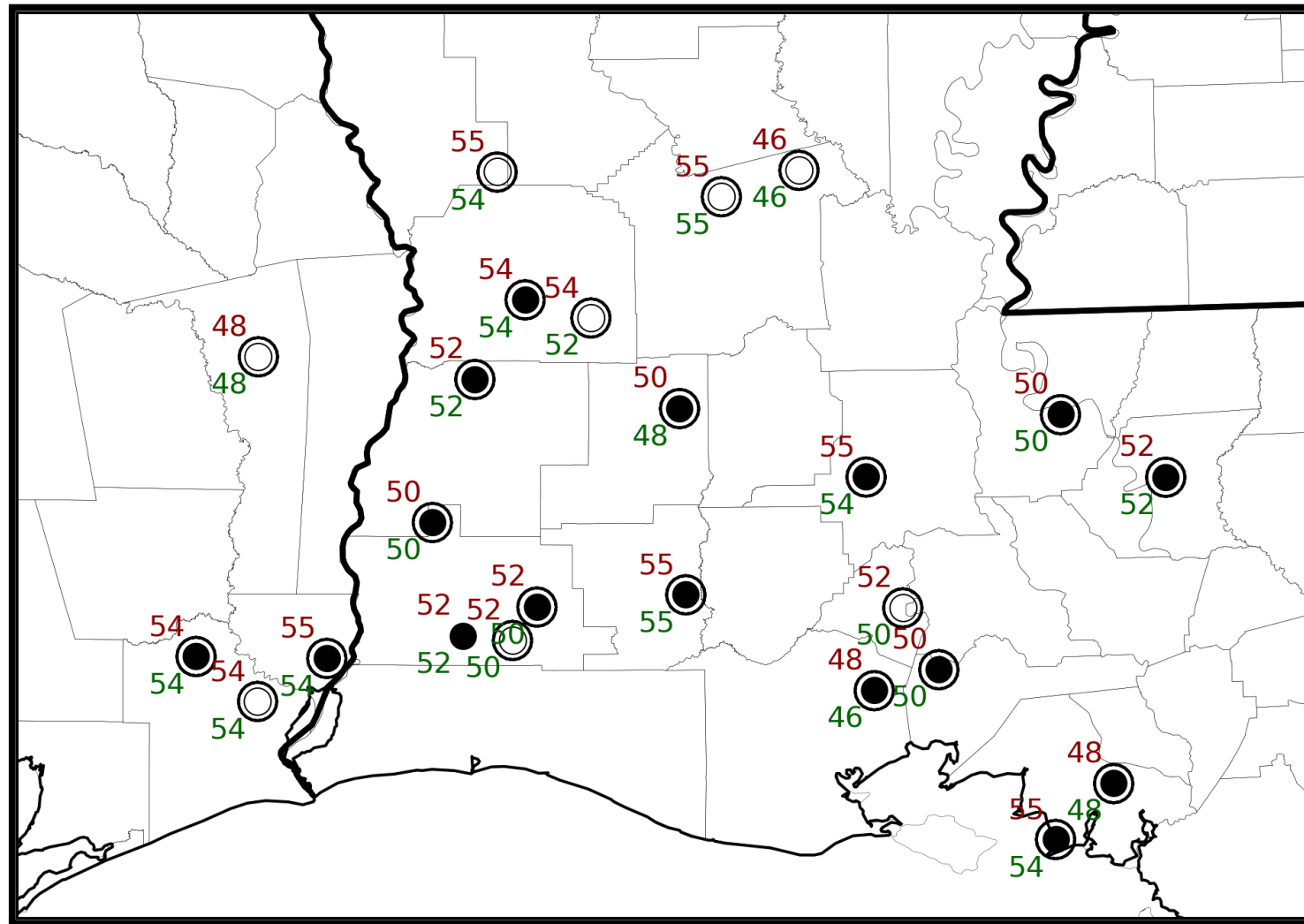
# 6 am Weather Observations



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Widespread dense fog was observed overnight and into the morning. Several observing sites displayed visibility readings less than  $\frac{1}{4}$  mile.

Temperatures across the area were largely in the upper 40s to mid 50s.



# 2 pm Weather Observations

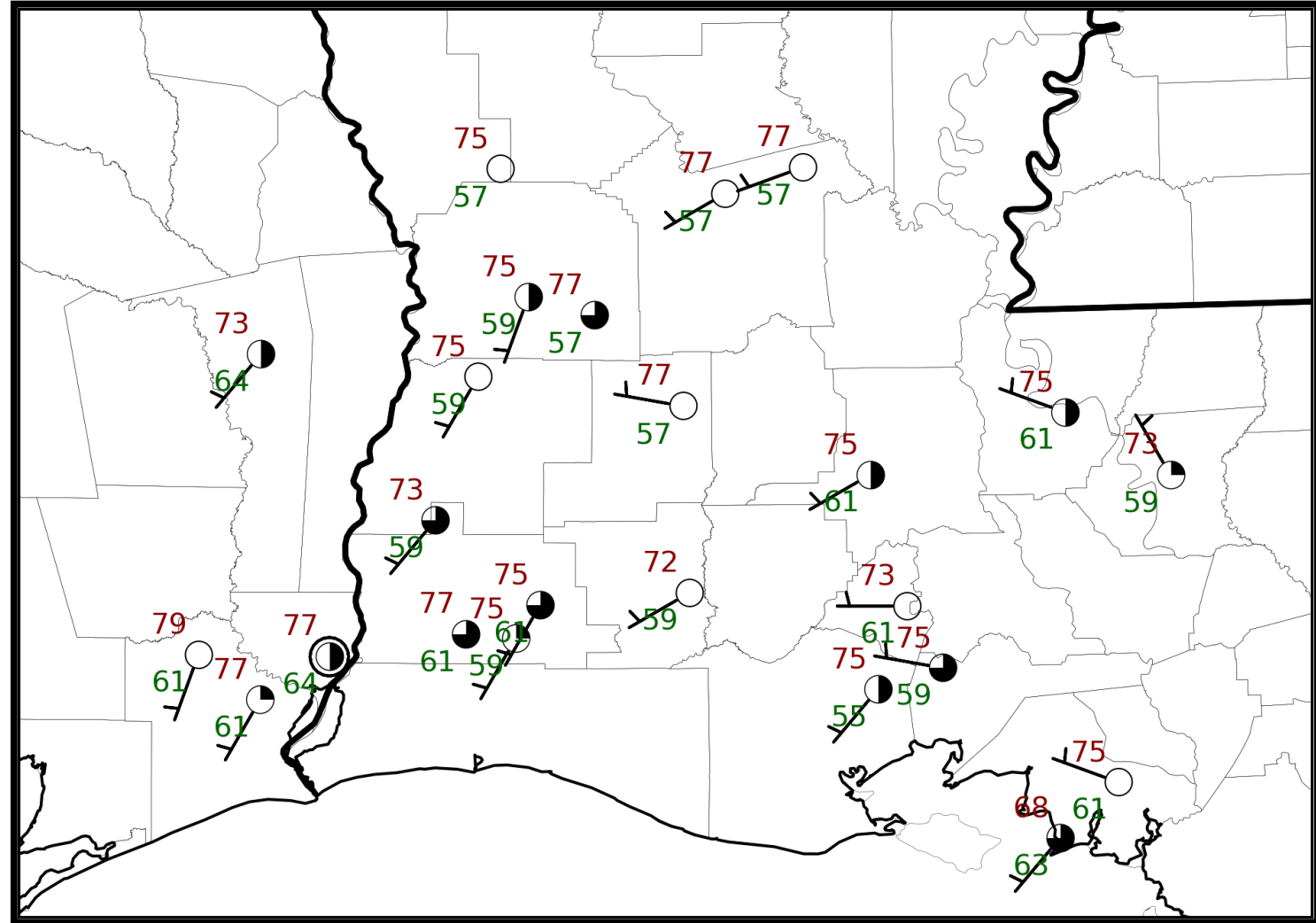


Lake Charles  
WEATHER FORECAST OFFICE

Fog has lifted with partly cloudy skies observed this afternoon.

Winds are light, generally out of the west to southwest.

Temperatures have risen into the mid 70s.

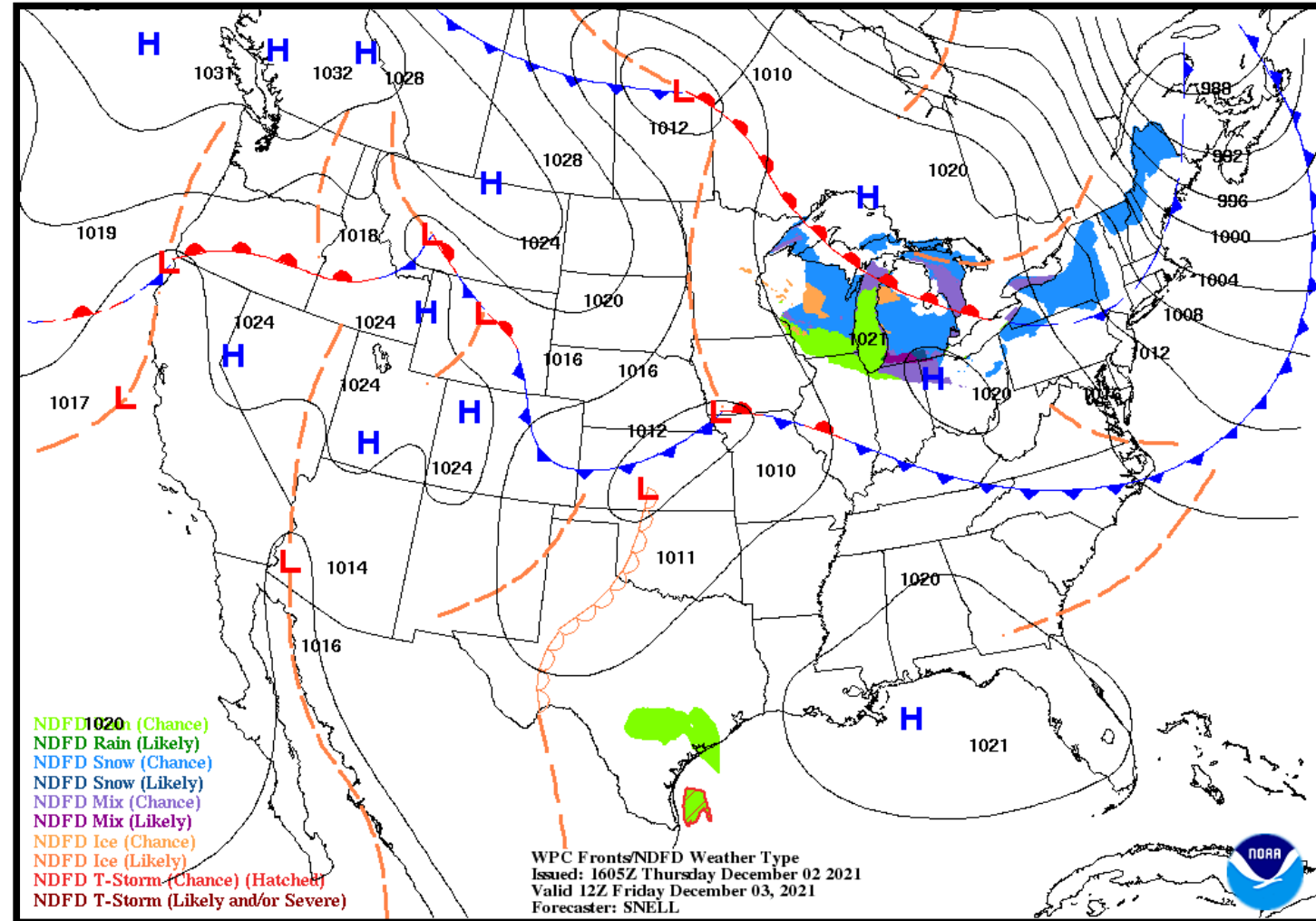






### NWS LCH REGIONAL WEATHER

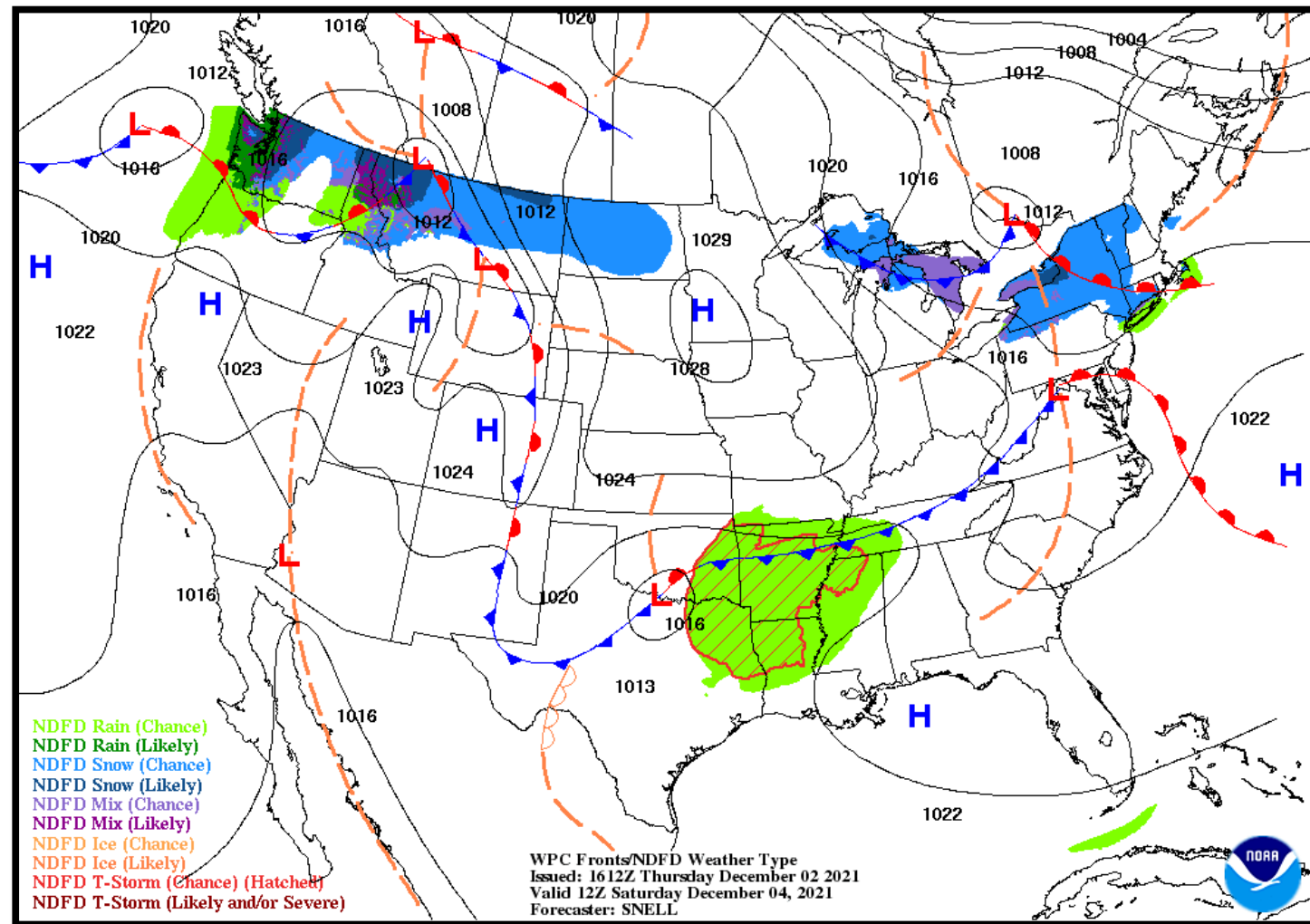
Low Temperature	53-57 F
High Temperature	73-77 F
Wind	SSW 5-10 mph
Rain Chances	<10%
Weather Hazards	Overnight/Morning Fog





### NWS LCH REGIONAL WEATHER

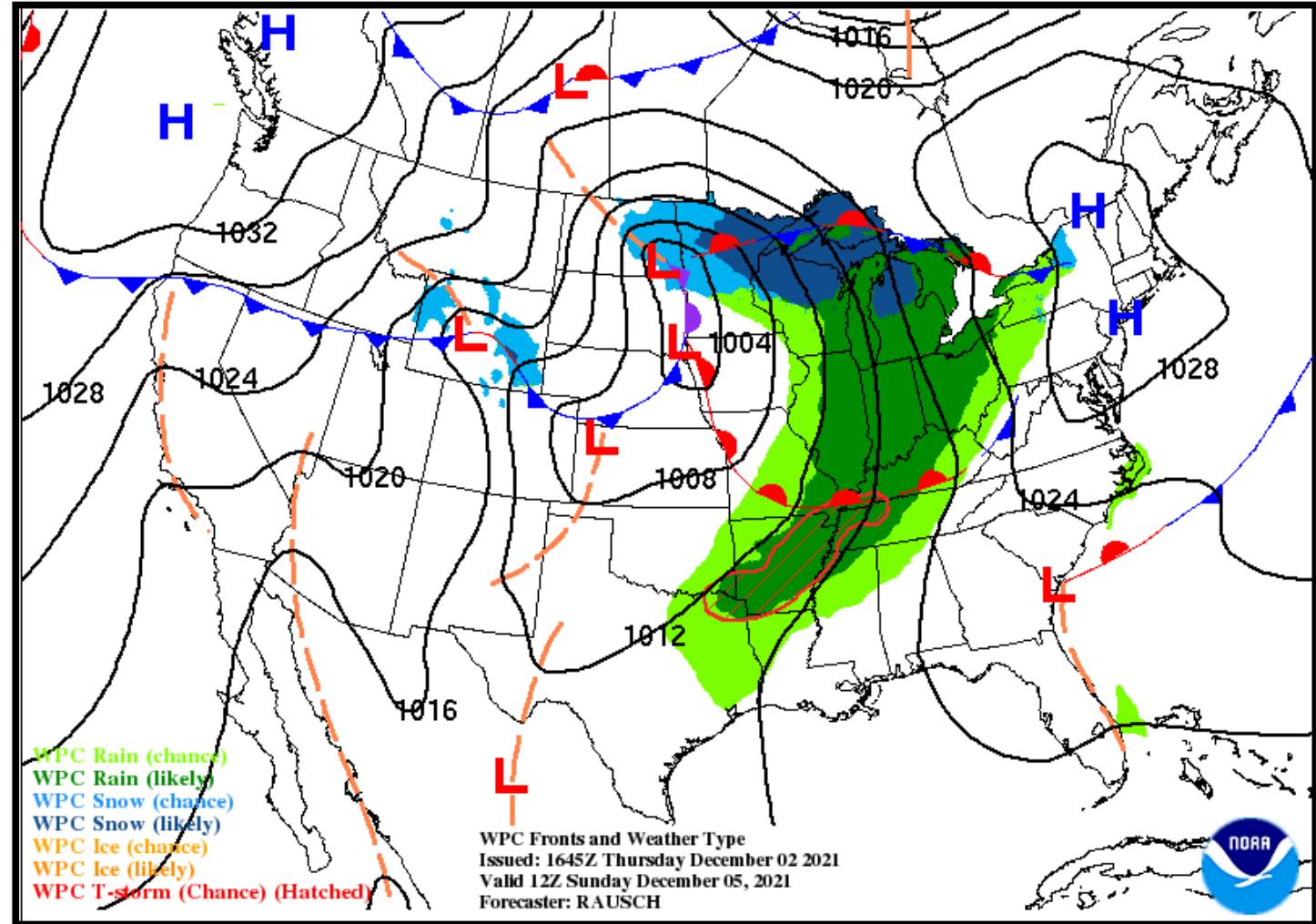
Low Temperature	56-59 F
High Temperature	74-77 F
Wind	SE 5-10 mph
Rain Chances	10-20%
Weather Hazards	Overnight/Morning Fog





### NWS LCH REGIONAL WEATHER

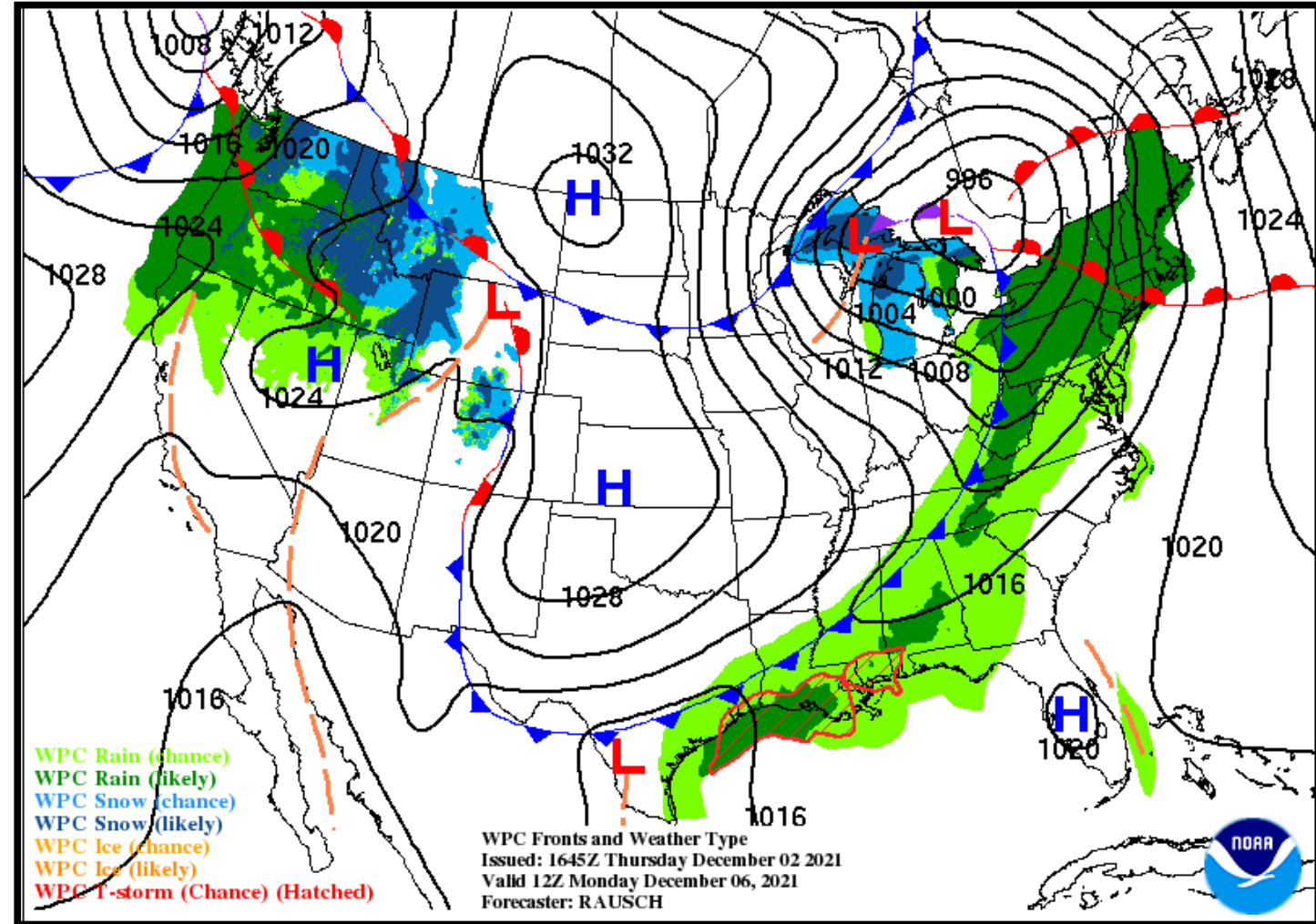
Low Temperature	56-60 F
High Temperature	74-78 F
Wind	S 5-10 mph
Rain Chances	20-30%
Weather Hazards	Overnight/Morning Fog and Showers/T- Storms





### NWS LCH REGIONAL WEATHER

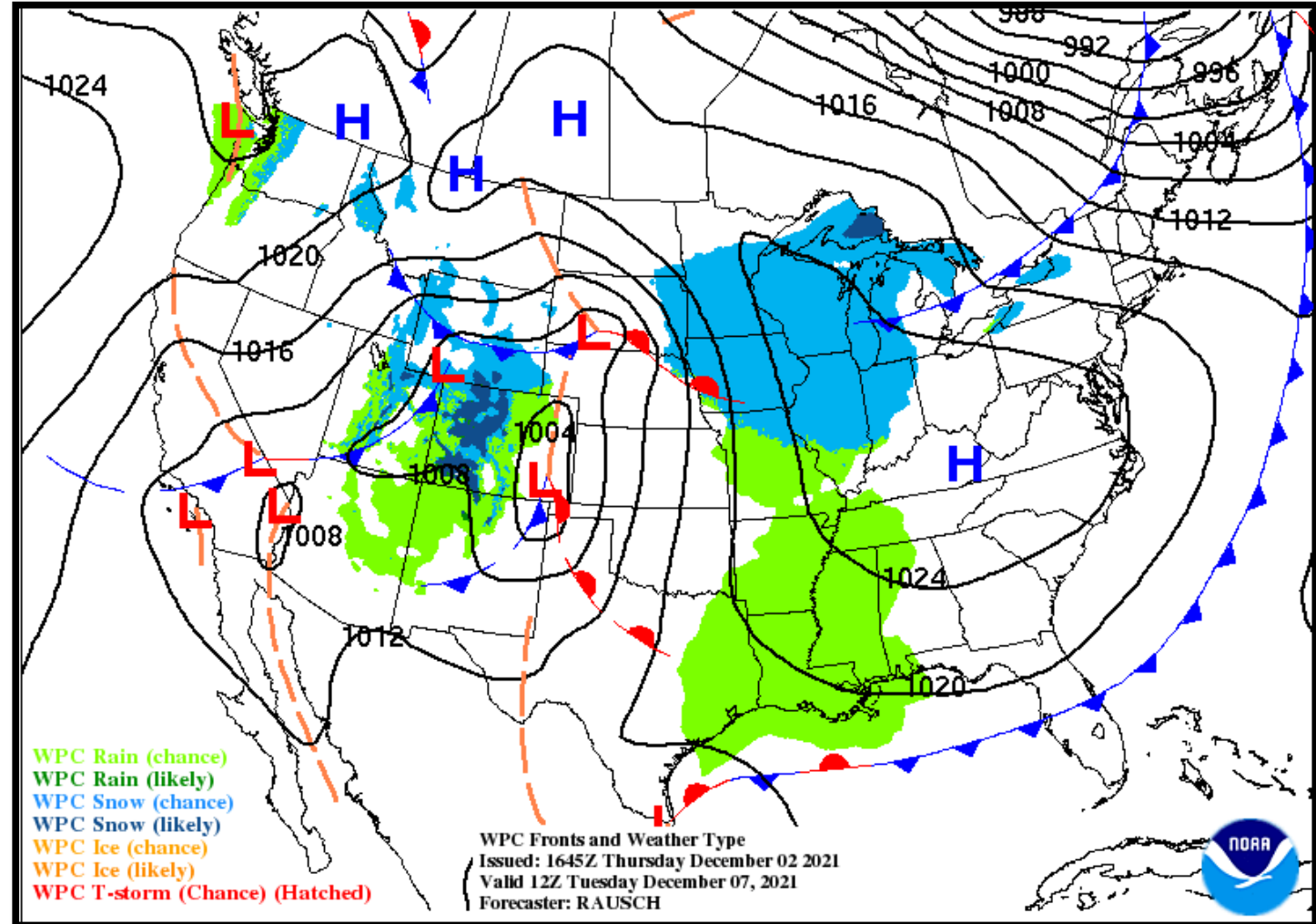
Low Temperature	52-59 F
High Temperature	63-70 F
Wind	NNE 10-15 mph
Rain Chances	40-50%
Weather Hazards	Showers/T-Storms and Gusty Winds





### NWS LCH REGIONAL WEATHER

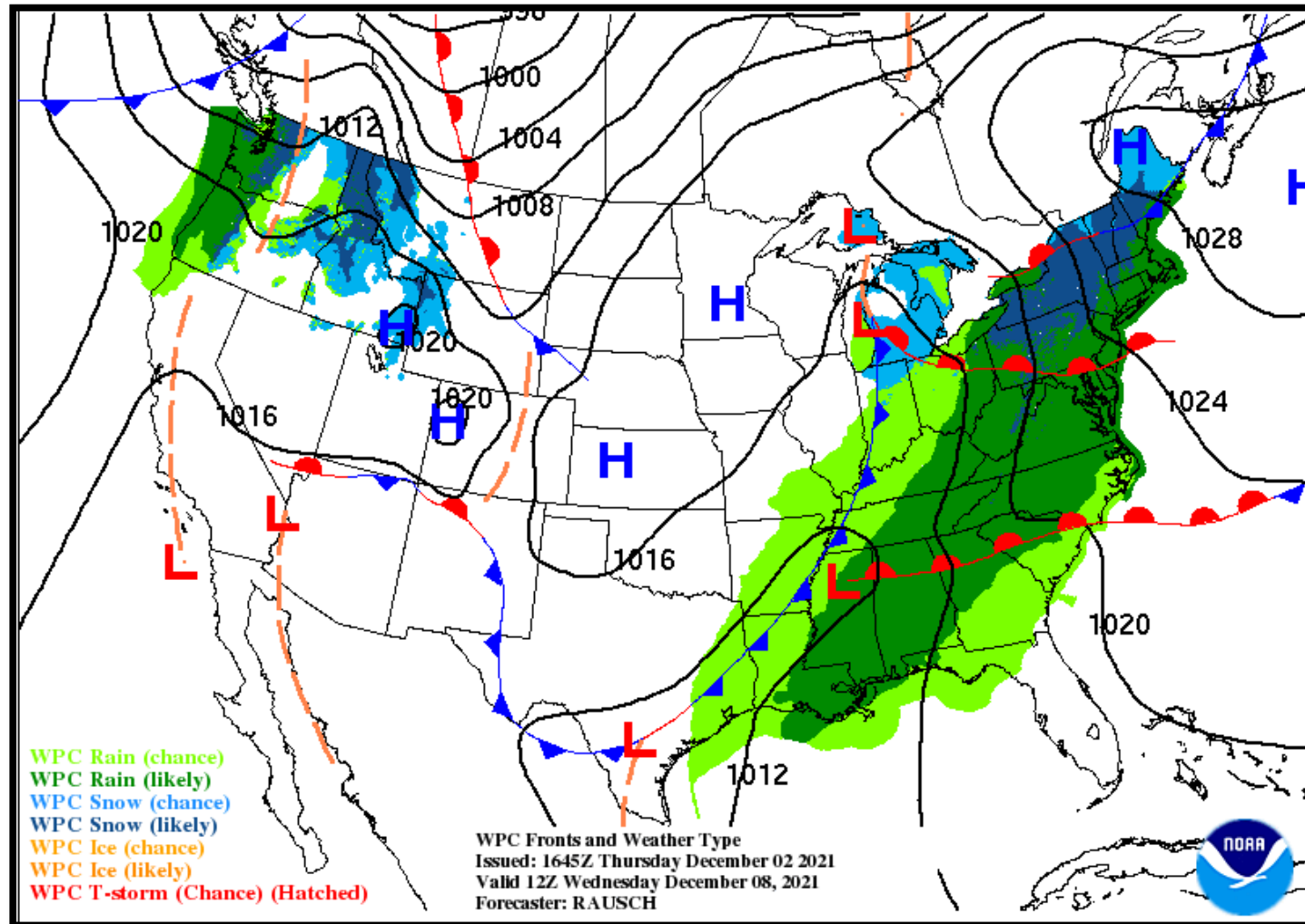
Low Temperature	40-50 F
High Temperature	66-72 F
Wind	S 5-10 mph
Rain Chances	20-30%
Weather Hazards	N/A





### NWS LCH REGIONAL WEATHER

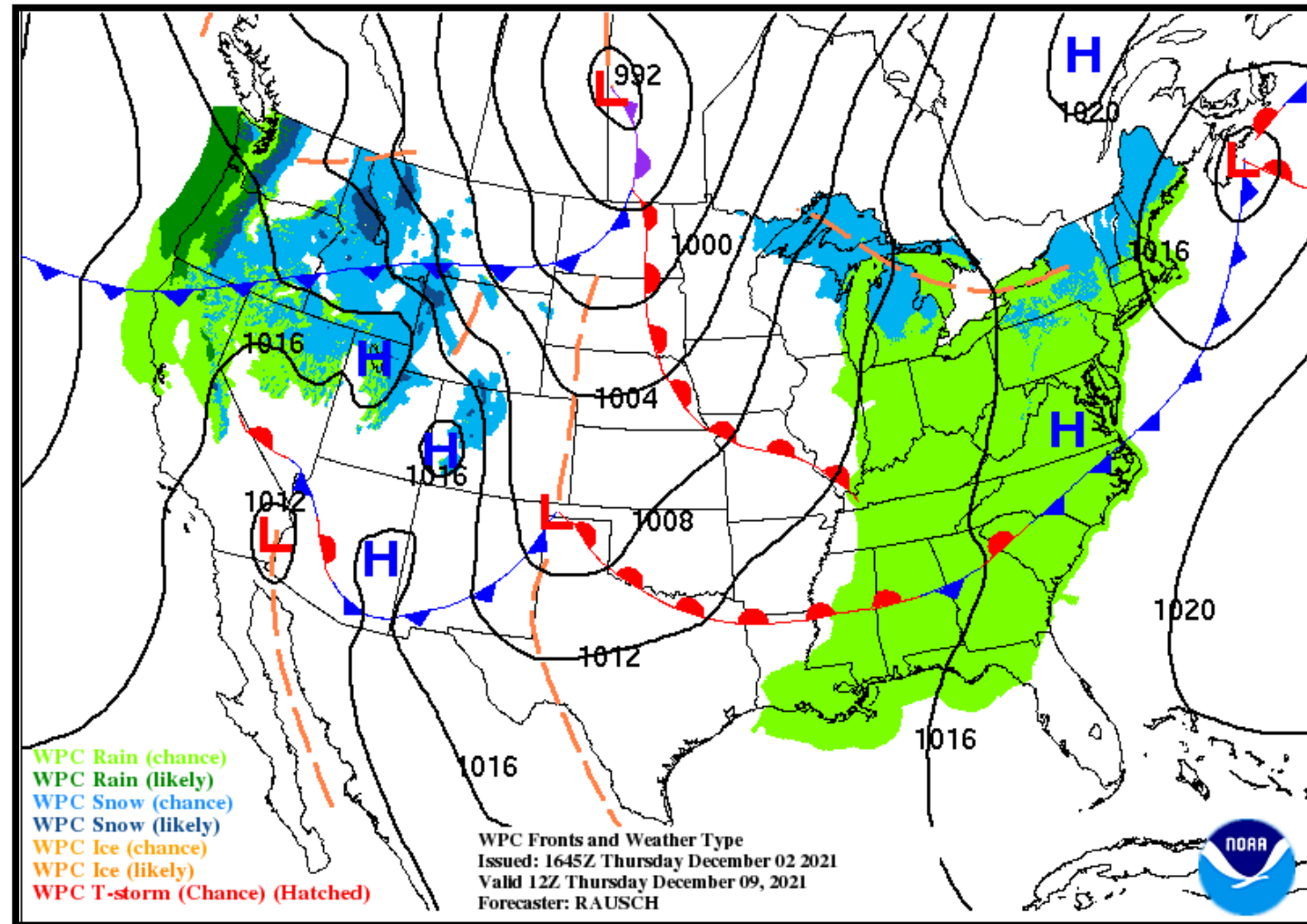
Low Temperature	54-60 F
High Temperature	67-73 F
Wind	W 5-10 mph
Rain Chances	40-50%
Weather Hazards	Showers/T-Storms





### NWS LCH REGIONAL WEATHER

Low Temperature	48-56 F
High Temperature	69-73 F
Wind	SW 5-10 mph
Rain Chances	10-20%
Weather Hazards	N/A



# Weekly Weather Summary Table



Lake Charles  
WEATHER FORECAST OFFICE

Color Codes Except for Temperatures	Weather	Friday 12/03/21	Saturday 12/04/21	Sunday 12/05/21	Monday 12/06/21	Tuesday 12/07/21	Wednesday 12/08/21	Thursday 12/09/21
Yellow = Low Threat	Rain Total	None	<0.10"	0.25-0.50"	0.25-0.50"	<0.10"	0.25-0.50"	<0.10"
Orange = Moderate Threat	T-Storm/Lightning	None	Isolated	Scattered	Scattered	Isolated	Scattered	None
Red = High Threat	Tornado/Hail/Dmg Wind	None	None	None	None	None	None	None
Color Codes For Temperatures	Wind	SSW 5-10 mph	SE 5-10 mph	S 5-10 mph	NNE 10-15 mph	S 5-10 mph	W 5-10 mph	SW 5-10 mph
Yellow=5 F above normal	Tides	Above Normal	Above Normal	Above Normal	Above Normal	Above Normal	Above Normal	Above Normal
Orange=10 F above normal	Wave Height	Near: 0-1 ft Off: 1-2 ft	Near: 1-2 ft Off: 2-3 ft	Near: 1-3 ft Off: 3-4 ft	Near: 1-3 ft Off: 3-4 ft	Near: 1-3 ft Off: 4-5 ft	Near: 1-4 ft Off: 4-5 ft	Near: 1-4 ft Off: 4-5 ft
Red=15 F above normal	Temperature	Low: 53-57 F	Low: 56-59 F	Low: 56-60 F	Low: 52-59 F	Low: 40-50 F	Low: 54-60 F	Low: 48-56 F
Vry Lt Blue=5 F below normal	Normal Low: 40-47 F Normal High: 63-66 F	High: 73-77 F	High: 74-77 F	High: 74-78 F	High: 63-70 F	High: 66-72 F	High: 67-73 F	High: 69-73 F
Lt Blue=10 F below normal								
Blue=15 F below normal								





The end of November marks the *official* end of the 2021 Atlantic Hurricane Season.

All names from the primary list were used, marking a total of 21 named storms.

The graphic features a satellite image of a hurricane at the top. Below it, the text "2021 Atlantic Tropical Cyclone Names" is displayed in large, bold letters. A NOAA logo is in the top left corner. The names are arranged in three columns, each with a vertical line to its left. The names are: Ana, Bill, Claudette, Danny, Elsa, Fred, Grace, Henri, Ida, Julian, Kate, Larry, Mindy, Nicholas, Odette, Peter, Rose, Sam, Teresa, Victor, and Wanda. Each name is crossed out with a red horizontal line. At the bottom, it says "Names provided by the World Meteorological Organization".

NOAA

## 2021 Atlantic Tropical Cyclone Names

<del>Ana</del>	<del>Henri</del>	<del>Odette</del>
<del>Bill</del>	<del>Ida</del>	<del>Peter</del>
<del>Claudette</del>	<del>Julian</del>	<del>Rose</del>
<del>Danny</del>	<del>Kate</del>	<del>Sam</del>
<del>Elsa</del>	<del>Larry</del>	<del>Teresa</del>
<del>Fred</del>	<del>Mindy</del>	<del>Victor</del>
<del>Grace</del>	<del>Nicholas</del>	<del>Wanda</del>

Names provided by the World Meteorological Organization

Be prepared: Visit [hurricanes.gov](https://hurricanes.gov) and follow @NWS and @NHC\_Atlantic on Twitter.

November 30, 2021



# 2021 Atlantic Hurricane Season *by the numbers*



**21**

**Named storms**

Average is fourteen

Ana      Larry  
Bill      Mindy  
Claudette    Nicholas  
Danny      Odette  
Elsa      Peter  
Fred      Rose  
Grace      Sam  
Henri      Teresa  
Ida      Victor  
Kate      Wanda  
Julian

**7**

**Hurricanes**

Average is seven

**4**

**Major hurricanes**

Average is three

**5**

**Rapidly intensifying storms**

Elsa, Grace, Ida, Larry, Sam

**8**

**Storms hitting the U.S. coastline**

**7<sup>th</sup>**

**Consecutive year with a named storm forming before June 1st**



**NOAA Hurricane Hunters**

**58**

**Hurricane eyewall passages**

**462.2**

**Flight hours**

**1,310**

**Dropsondes deployed**

to gather vital atmospheric data



**NOAA underwater hurricane gliders**

**66**

**Glider deployments**

**2,309**

**Glider days**

**78,328**

**Temperature and salinity profiles**

These help improve forecasts for current storms



**15**

**NOAA weather satellites in operation**

**6<sup>th</sup>**

**consecutive above-normal season**

Previous record: 4 from 1998 to 2001

**59**

**Facebook Live broadcasts**

from the National Hurricane Center



- Patchy areas of dense fog will continue to be an issue over the next several nights.
- A cold front is expected to push into the region by early next week.
- November 30<sup>th</sup> marked the end of another active Atlantic Hurricane season during 2021. The next Atlantic hurricane season will officially begin on June 1<sup>st</sup>, 2022.

