



Weekly Weather Update

2:30 PM CDT

Thursday, December 2, 2021

Seth Warthen, *NWS Lake Charles*





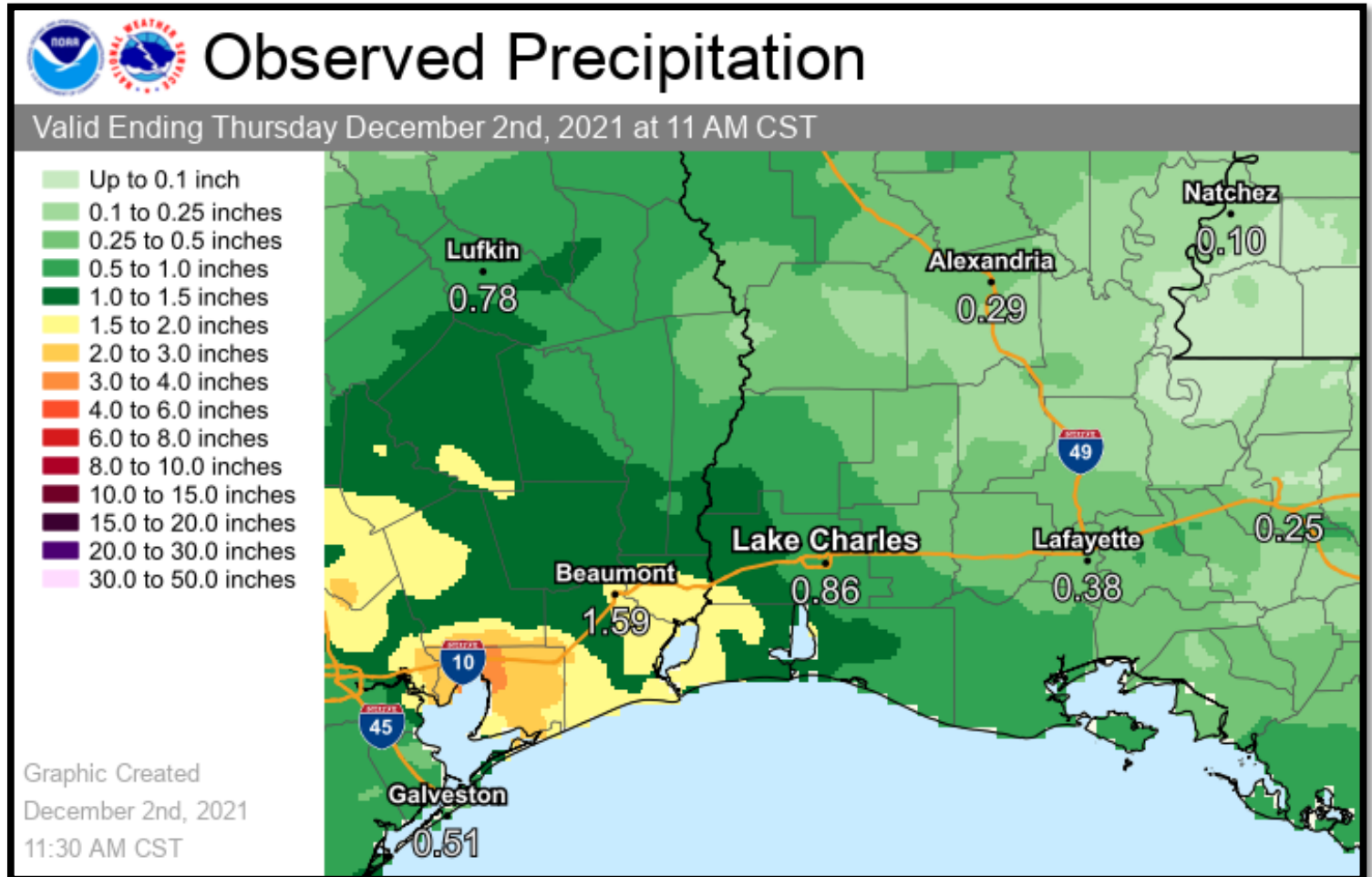
TOP STORIES:

-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.

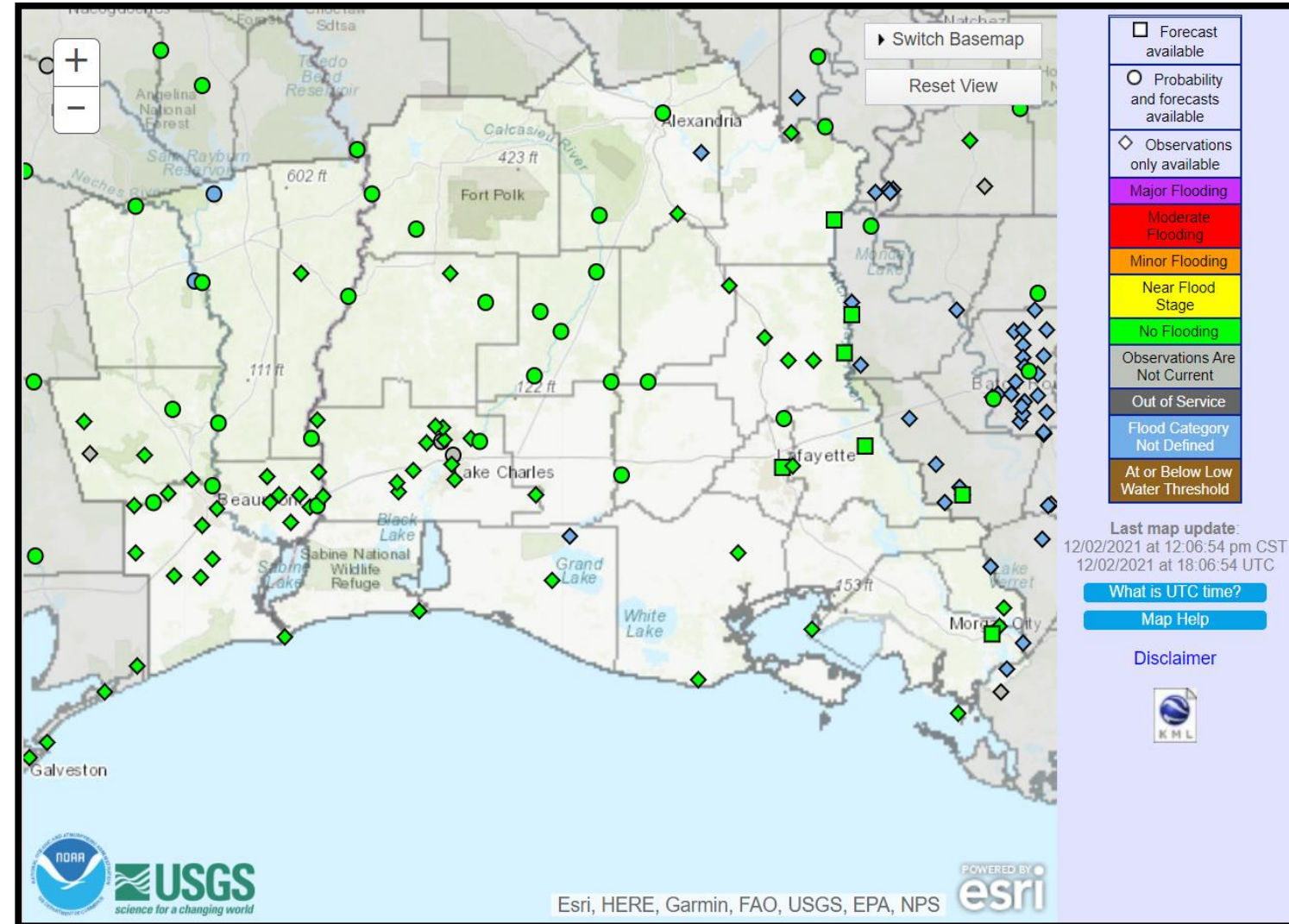
	Low Temperatures	High Temperatures	Chance For Rain
Friday	53-57 F	73-77 F	<10%
Saturday	56-59 F	74-77 F	10-20%
Sunday	56-60 F	74-78 F	20-30%
Monday	52-59 F	63-70 F	40-50%
Tuesday	40-50 F	66-72 F	20-30%
Wednesday	54-60 F	67-73 F	40-50%
Thursday	48-56 F	69-73 F	10-20%
Normals This Time of Year	40-47 F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



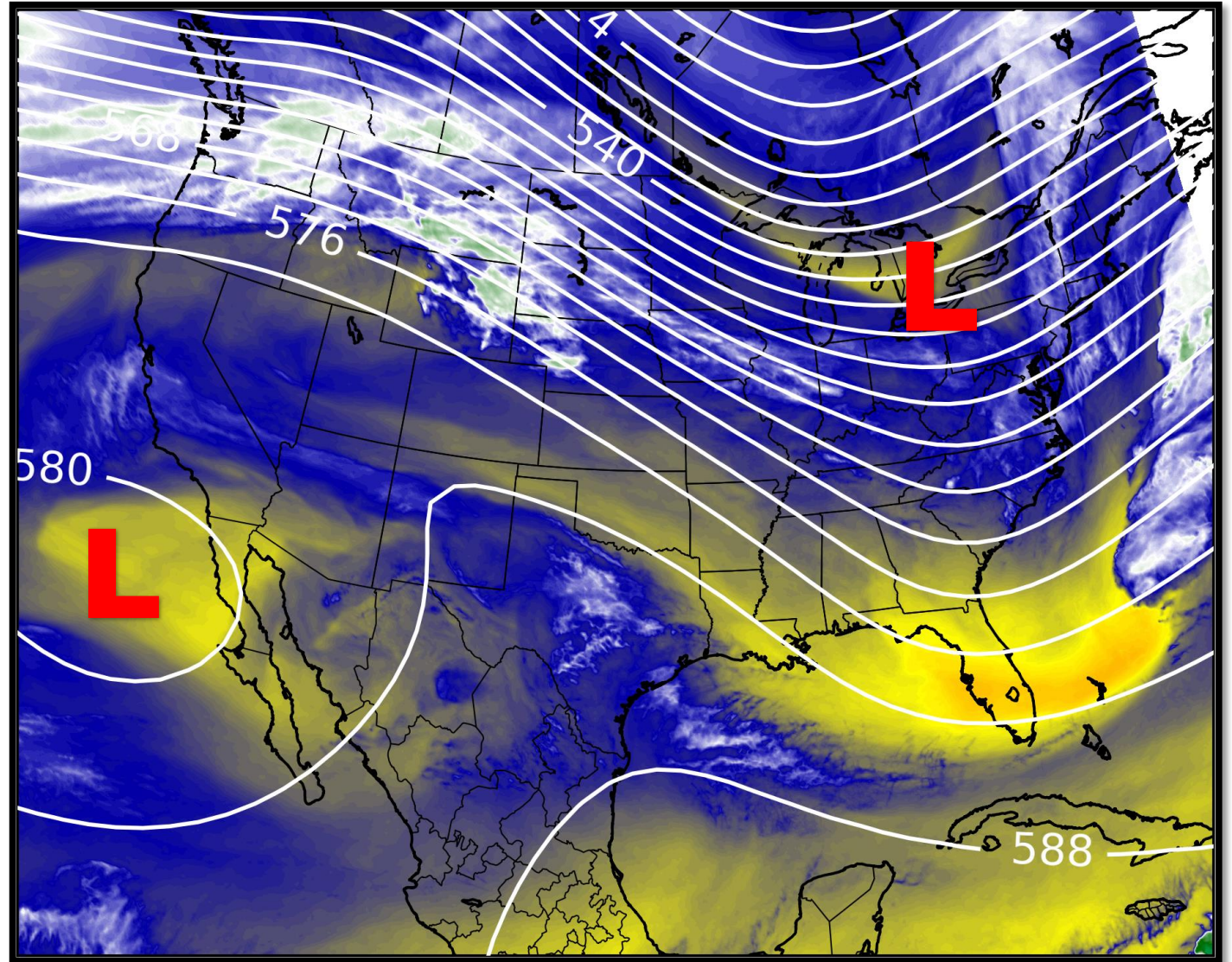
Upper Level Steering Patterns



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.



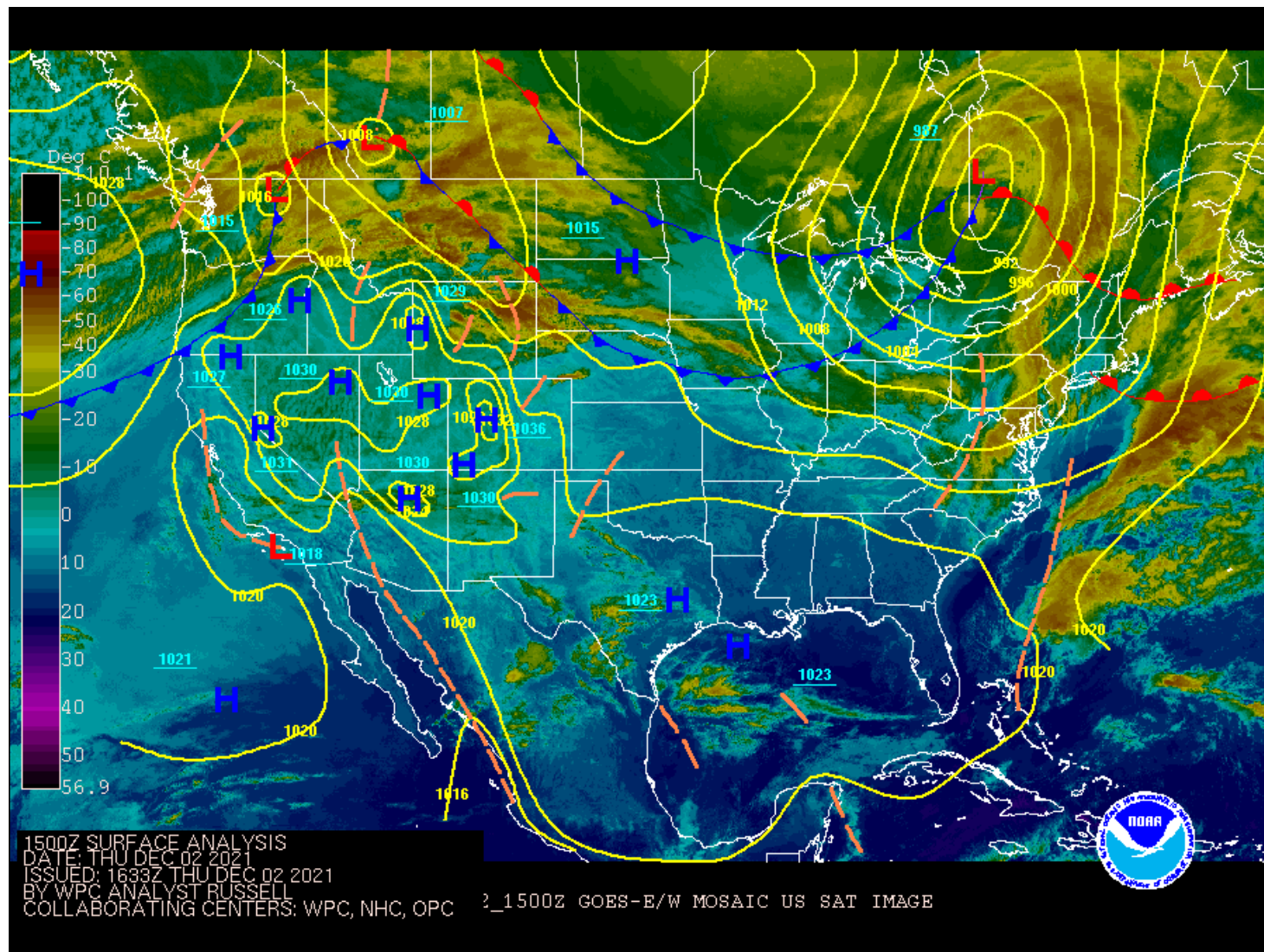
Surface Weather Map with Fronts



Lake Charles
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.



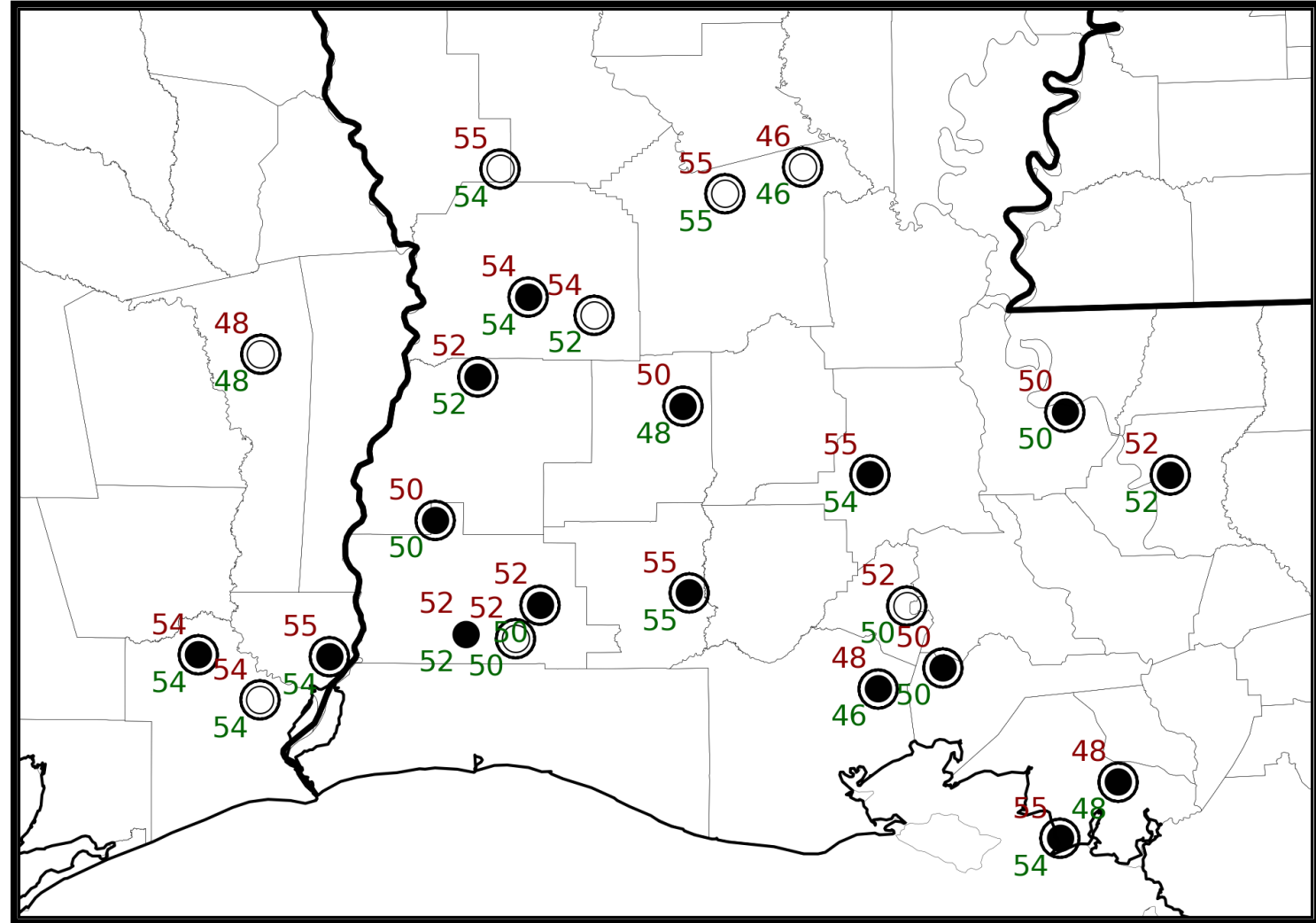
6 am Weather Observations



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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

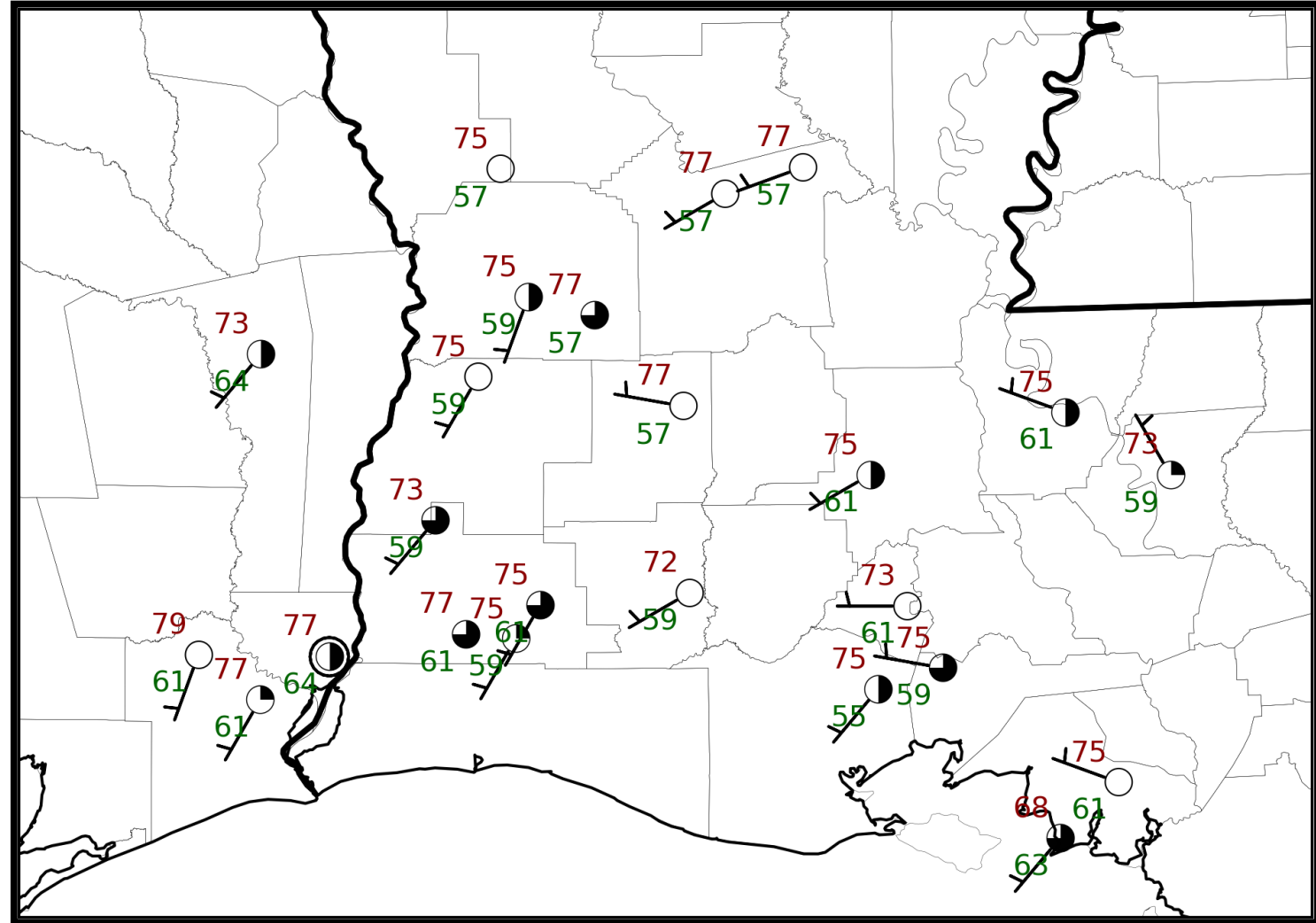


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Fog has lifted with partly cloudy skies observed this afternoon.

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

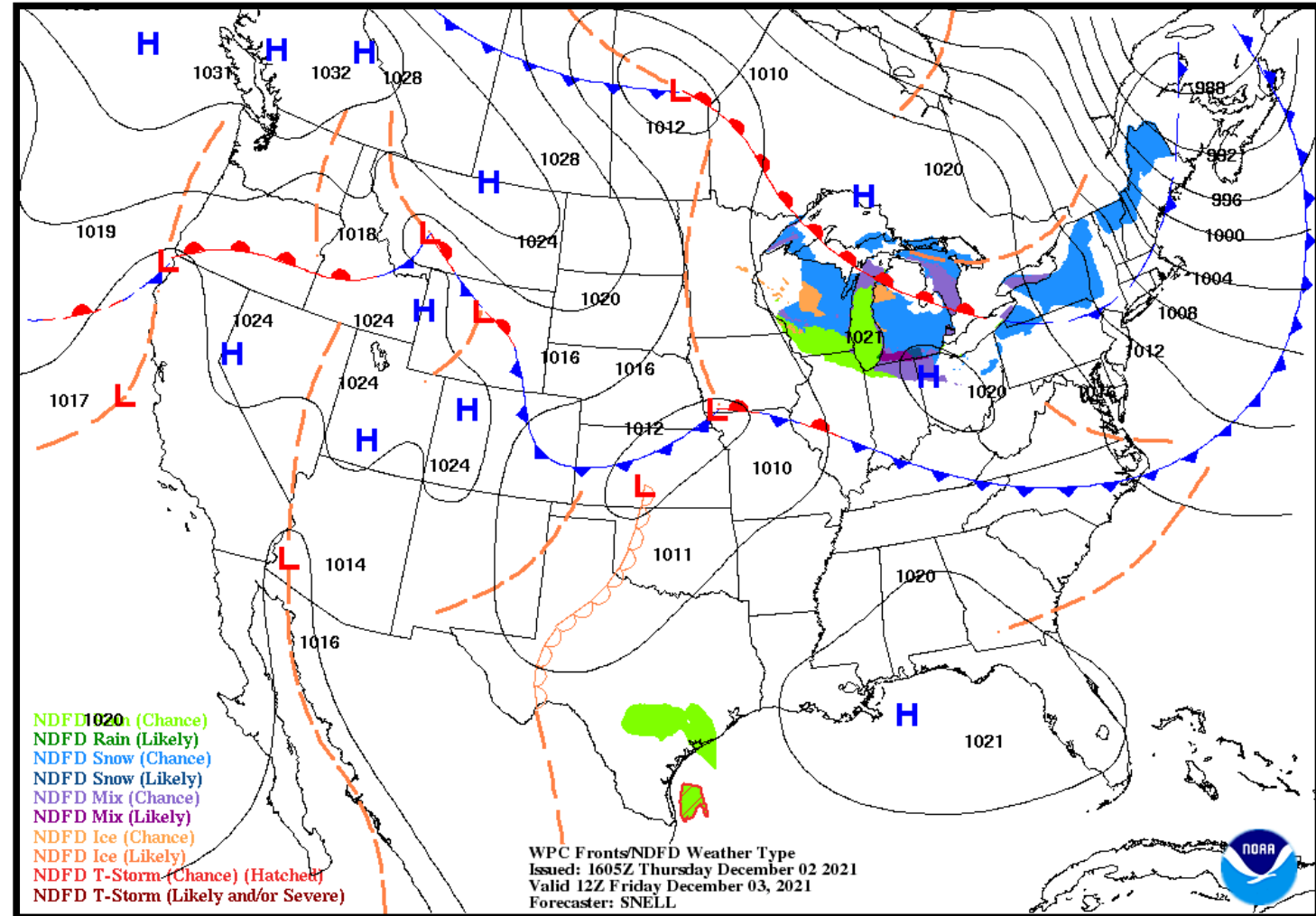
Temperatures have risen into the mid 70s.





NWS LCH REGIONAL WEATHER

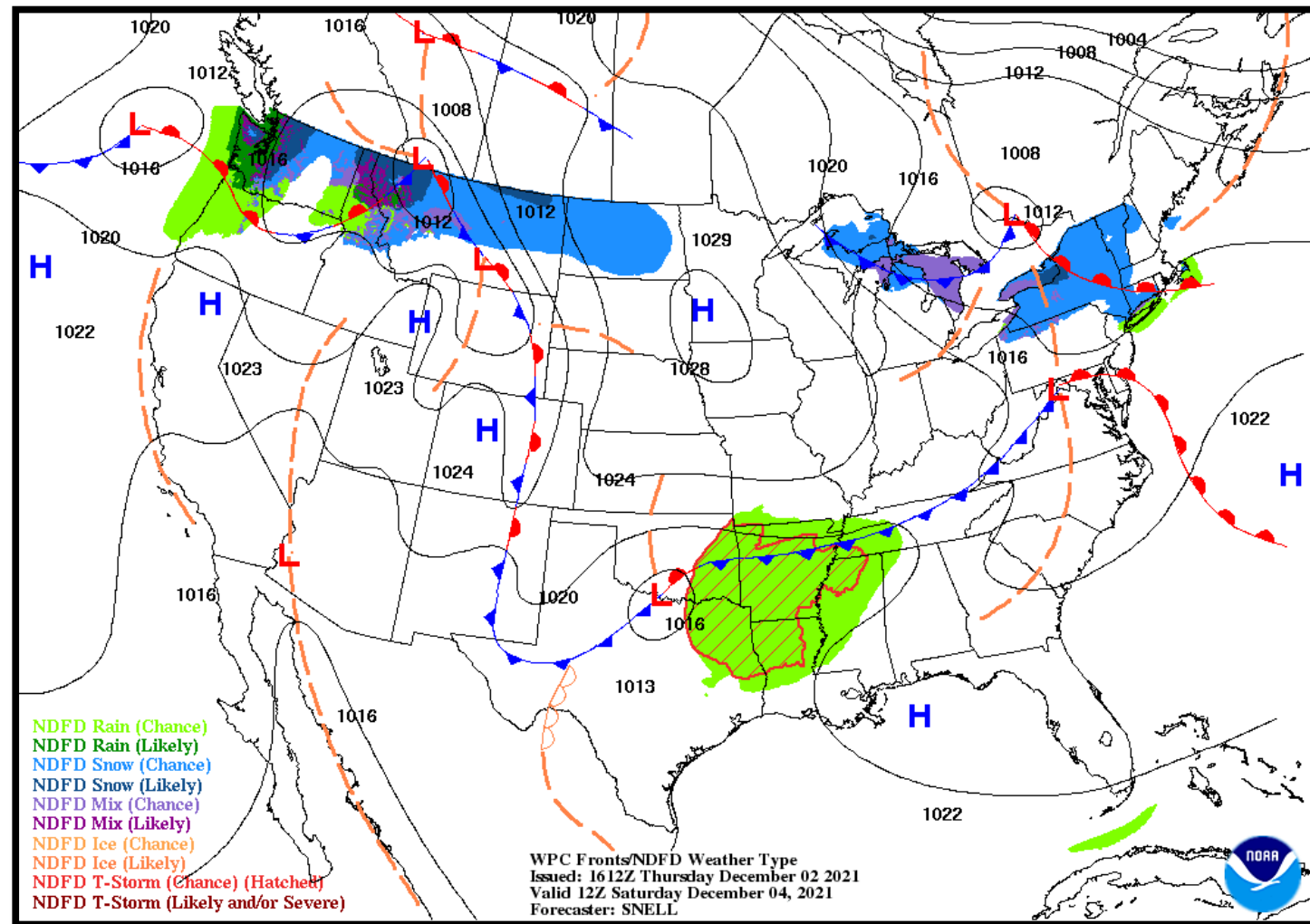
Low Temperature	53-57 F
High Temperature	73-77 F
Wind	SSW 5-10 mph
Rain Chances	<10%
Weather Hazards	Overnight/Morning Fog





NWS LCH REGIONAL WEATHER

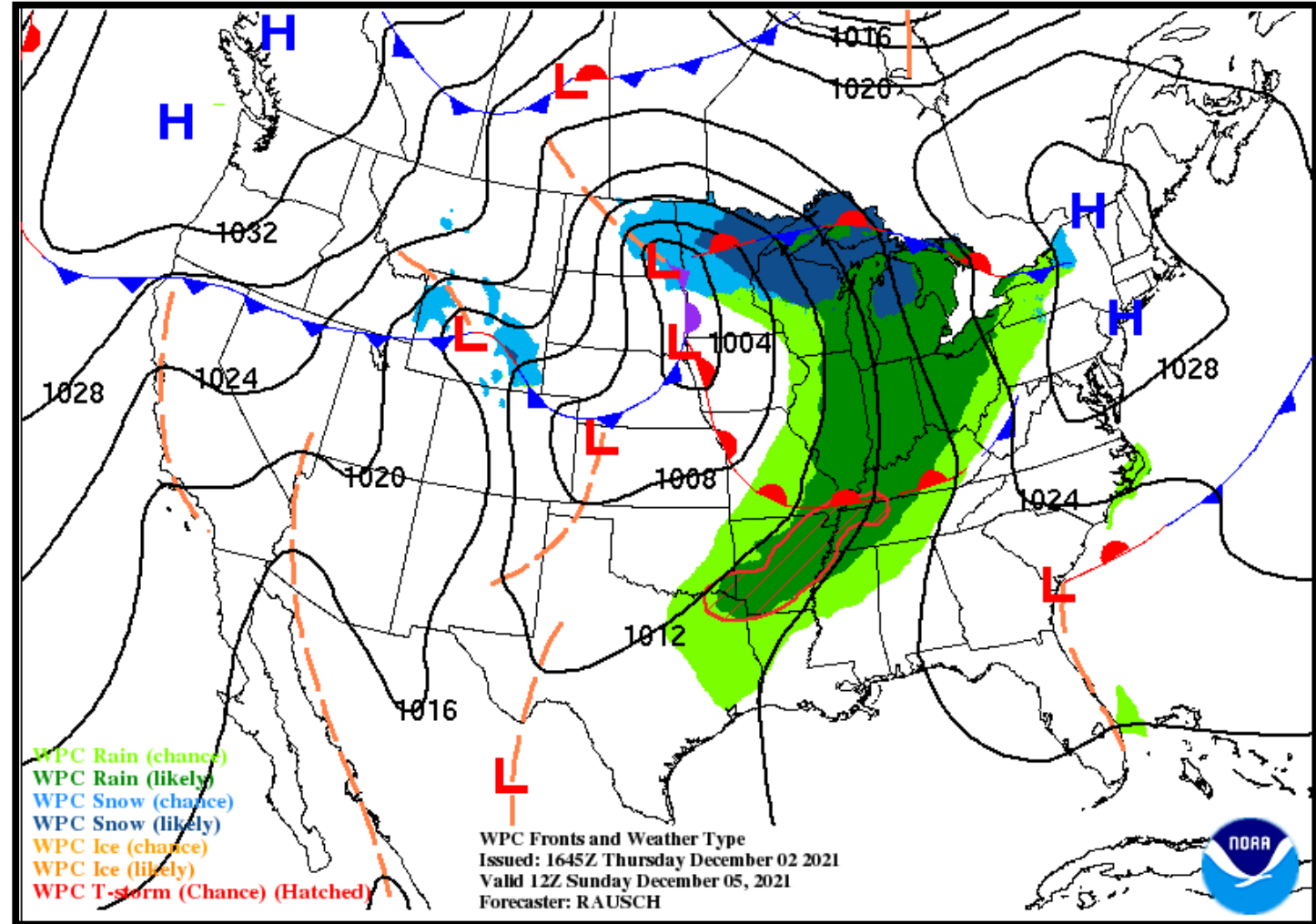
Low Temperature	56-59 F
High Temperature	74-77 F
Wind	SE 5-10 mph
Rain Chances	10-20%
Weather Hazards	Overnight/Morning Fog





NWS LCH REGIONAL WEATHER

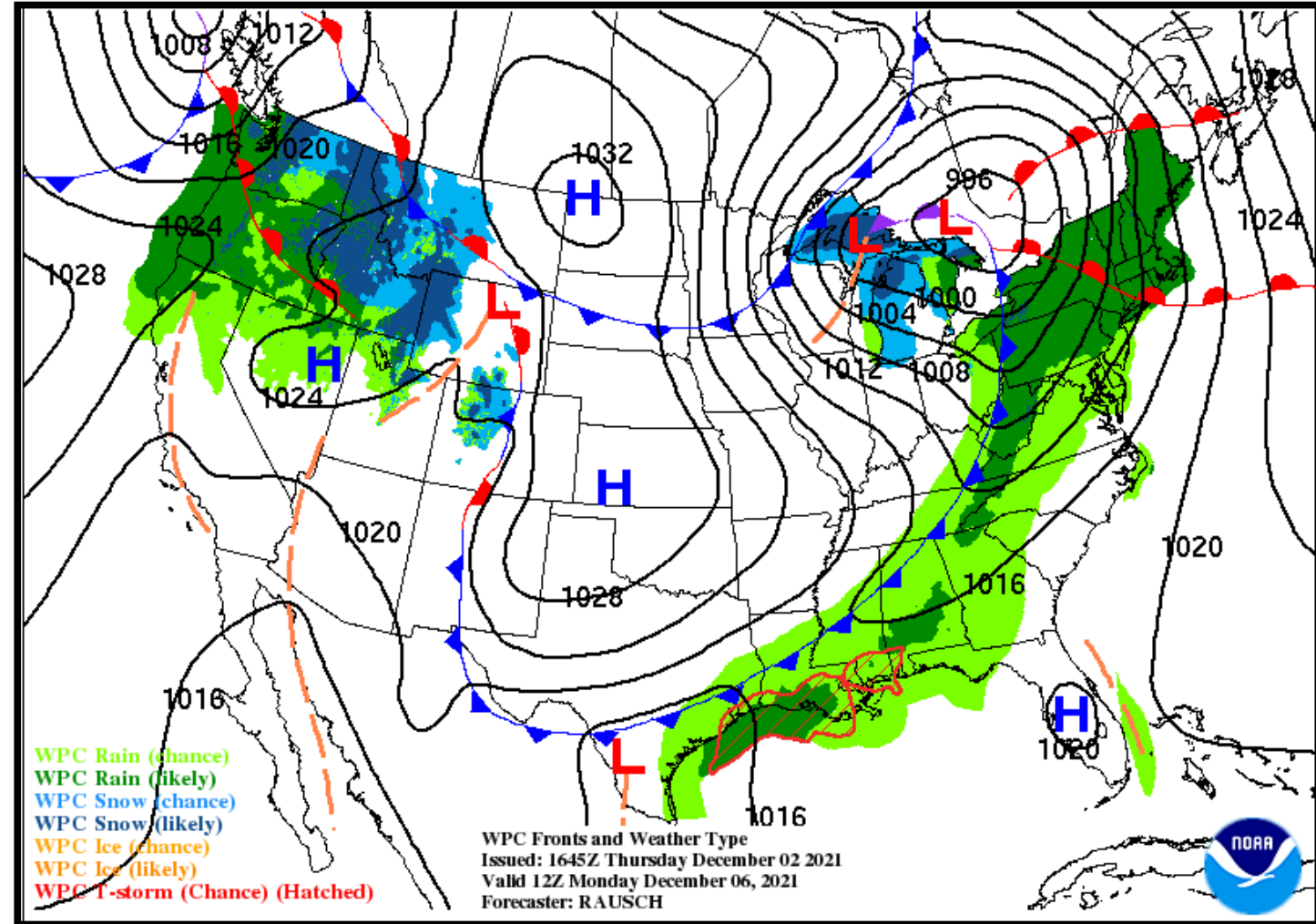
Low Temperature	56-60 F
High Temperature	74-78 F
Wind	S 5-10 mph
Rain Chances	20-30%
Weather Hazards	Overnight/Morning Fog and Showers/T- Storms





NWS LCH REGIONAL WEATHER

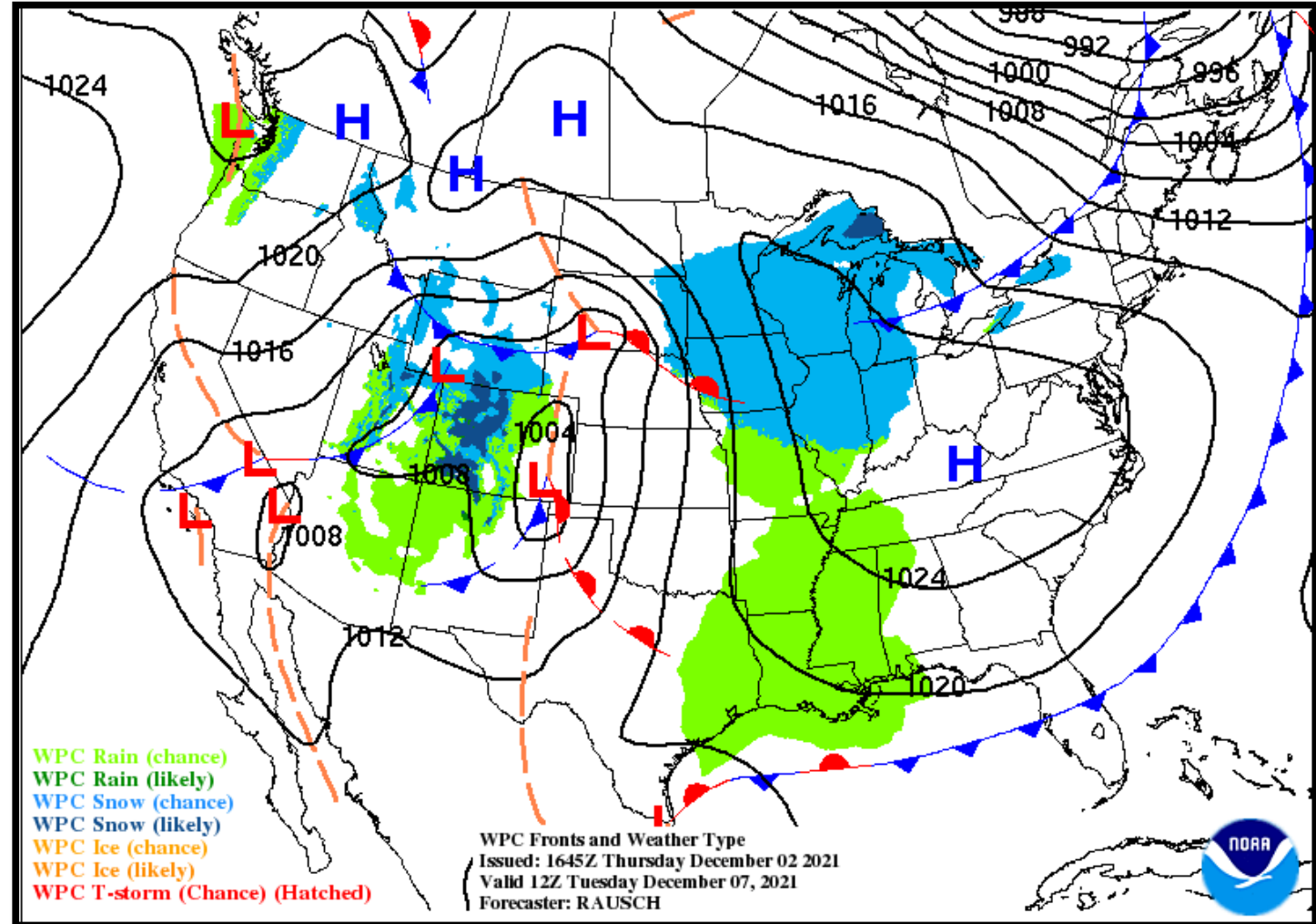
Low Temperature	52-59 F
High Temperature	63-70 F
Wind	NNE 10-15 mph
Rain Chances	40-50%
Weather Hazards	Showers/T-Storms and Gusty Winds





NWS LCH REGIONAL WEATHER

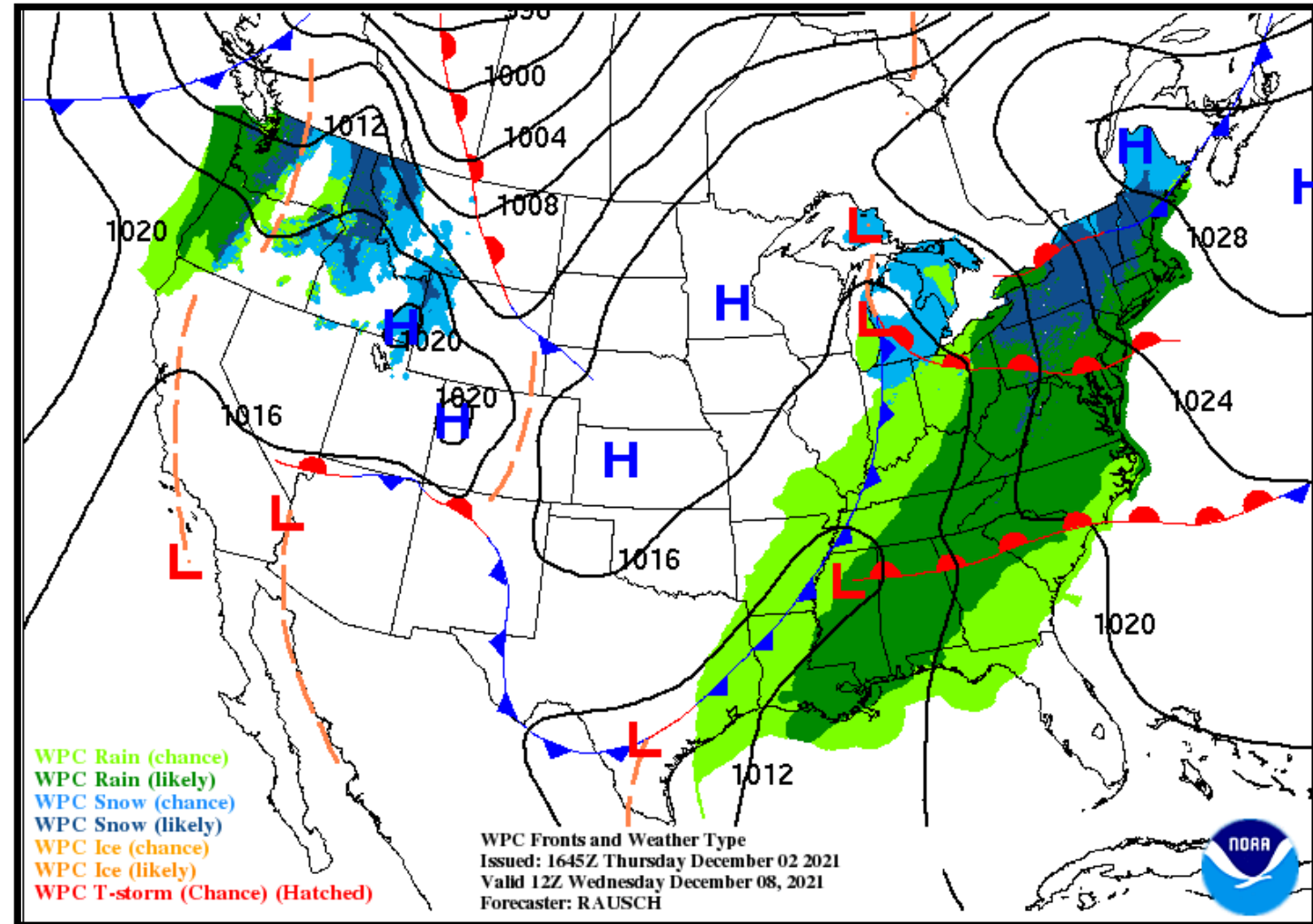
Low Temperature	40-50 F
High Temperature	66-72 F
Wind	S 5-10 mph
Rain Chances	20-30%
Weather Hazards	N/A





NWS LCH REGIONAL WEATHER

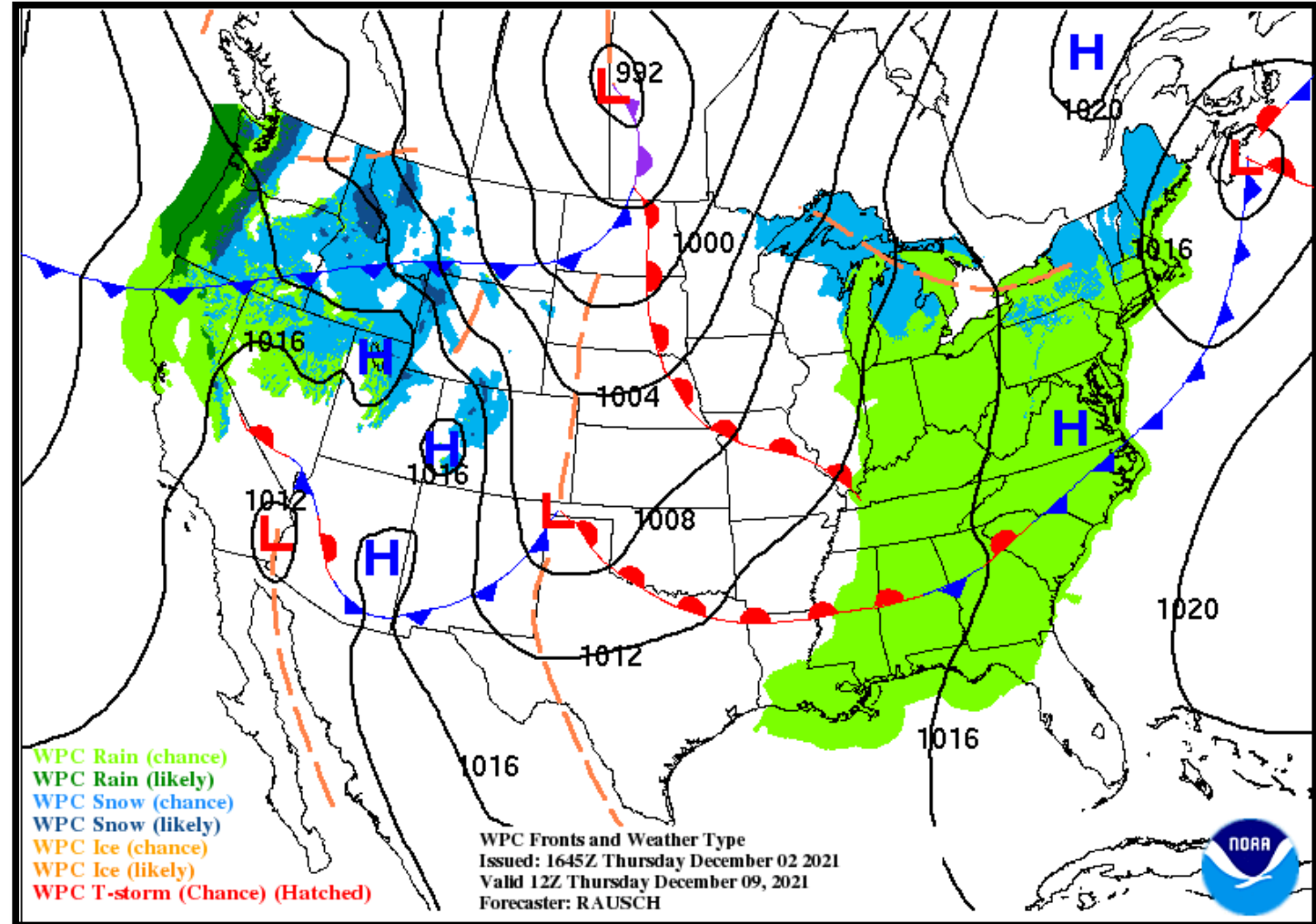
Low Temperature	54-60 F
High Temperature	67-73 F
Wind	W 5-10 mph
Rain Chances	40-50%
Weather Hazards	Showers/T-Storms





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 red horizontal line striking through them. 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. At the bottom, it says "Names provided by the World Meteorological Organization".

2021 Atlantic Tropical Cyclone Names

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

Names provided by the World Meteorological Organization

Be prepared: Visit 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

7th

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

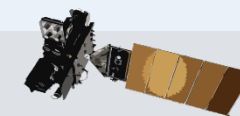
2,309

Glider days

78,328

Temperature and salinity profiles

These help improve forecasts for current storms



15

NOAA weather satellites in operation

6th

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 30th marked the end of another active Atlantic Hurricane season during 2021. The next Atlantic hurricane season will officially begin on June 1st, 2022.

