



Cold Temperatures Update



1:30 PM EST

Friday, January 17, 2025

Strong Arctic Cold Front to Bring Coldest Temperatures of This Winter Season Across North Florida and Into the Nature Coast

Strong Thunderstorms and Heavy Rain Threat Expected Saturday

Widespread Low Temperatures in the 20s and 30s Sunday and Into Next Week; Feels Like Temperatures In the Teens and 20s

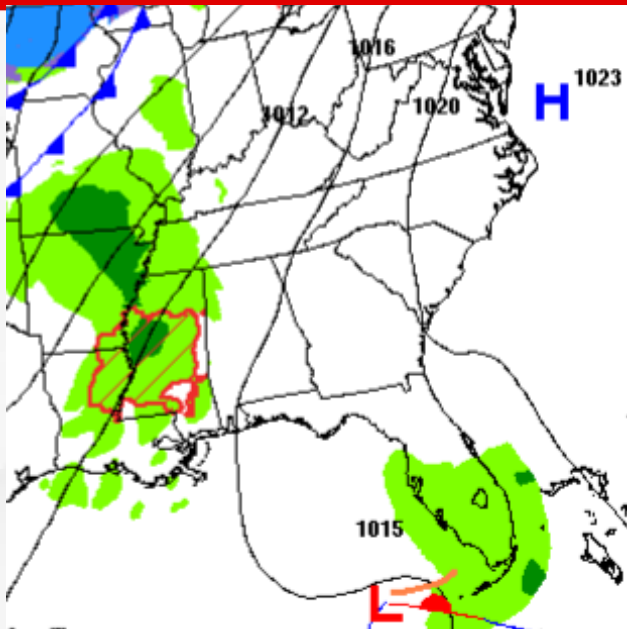
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office at www.weather.gov, or visit the Storm Prediction Center website at spc.noaa.gov.



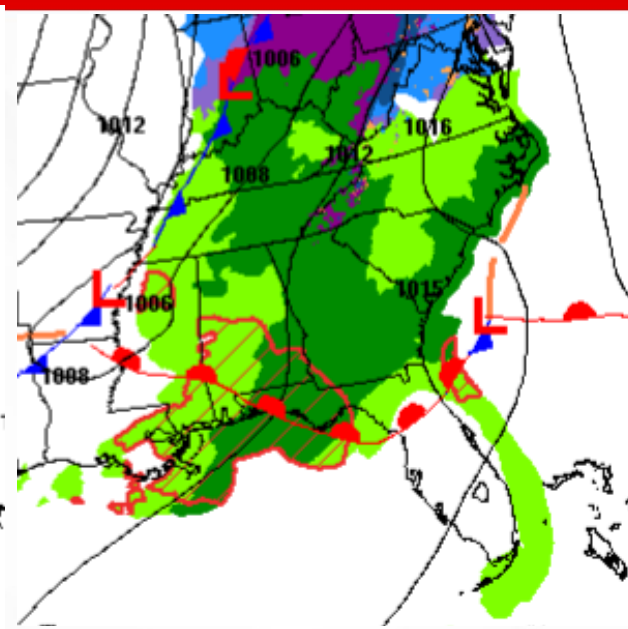
Forecast Weather Maps – This Weekend

From the Weather Prediction Center (WPC)

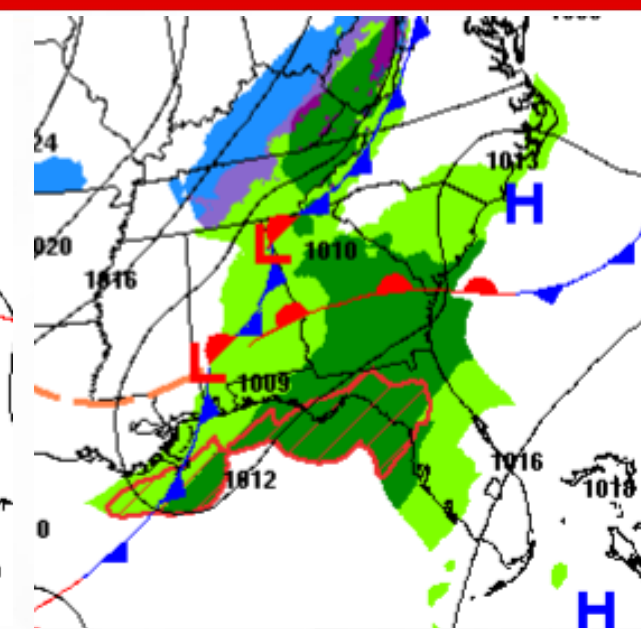
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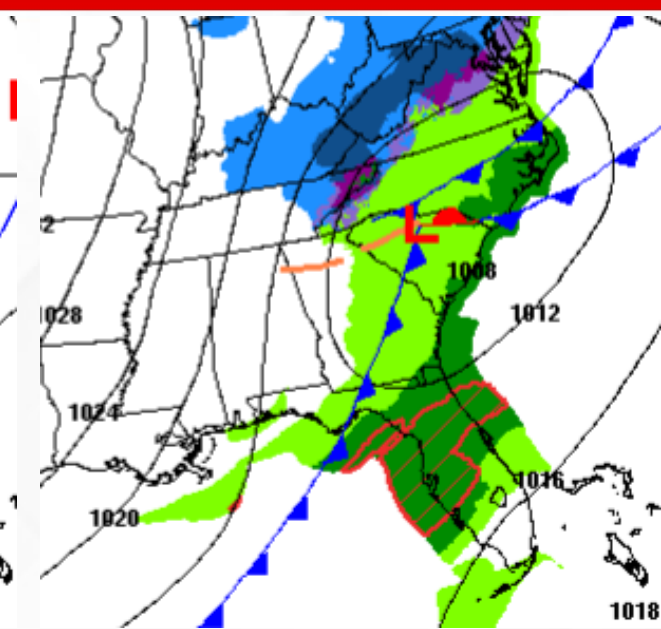
Tonight



Saturday Morning



Saturday Night



Sunday Morning

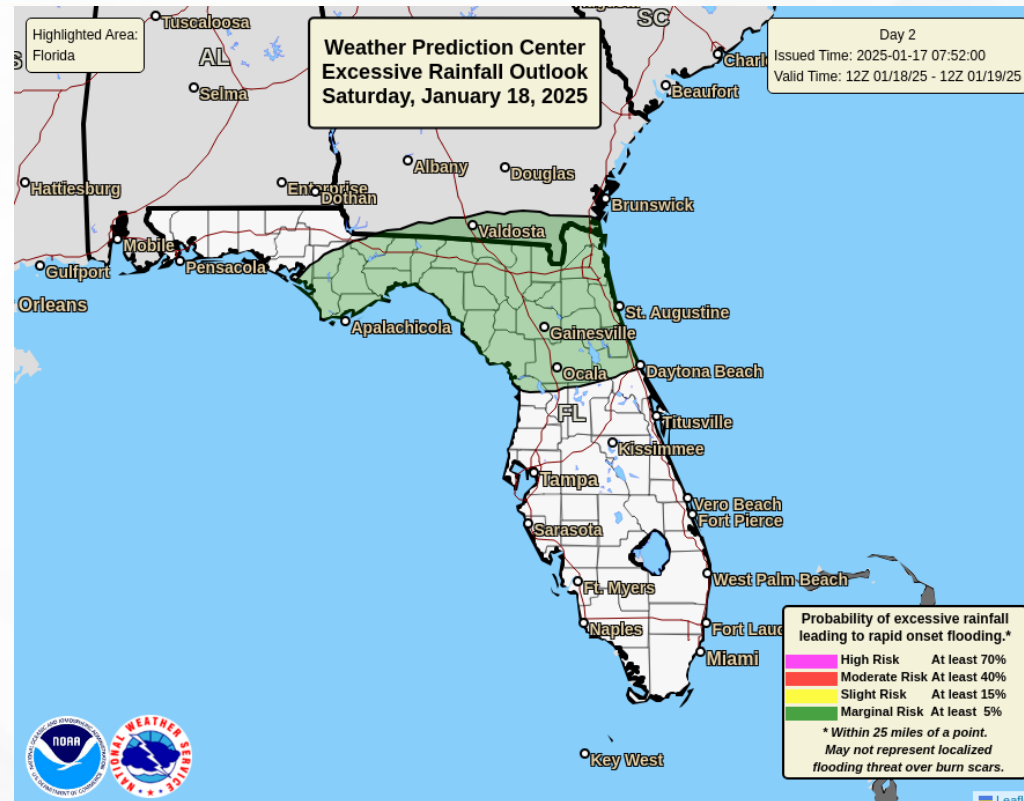
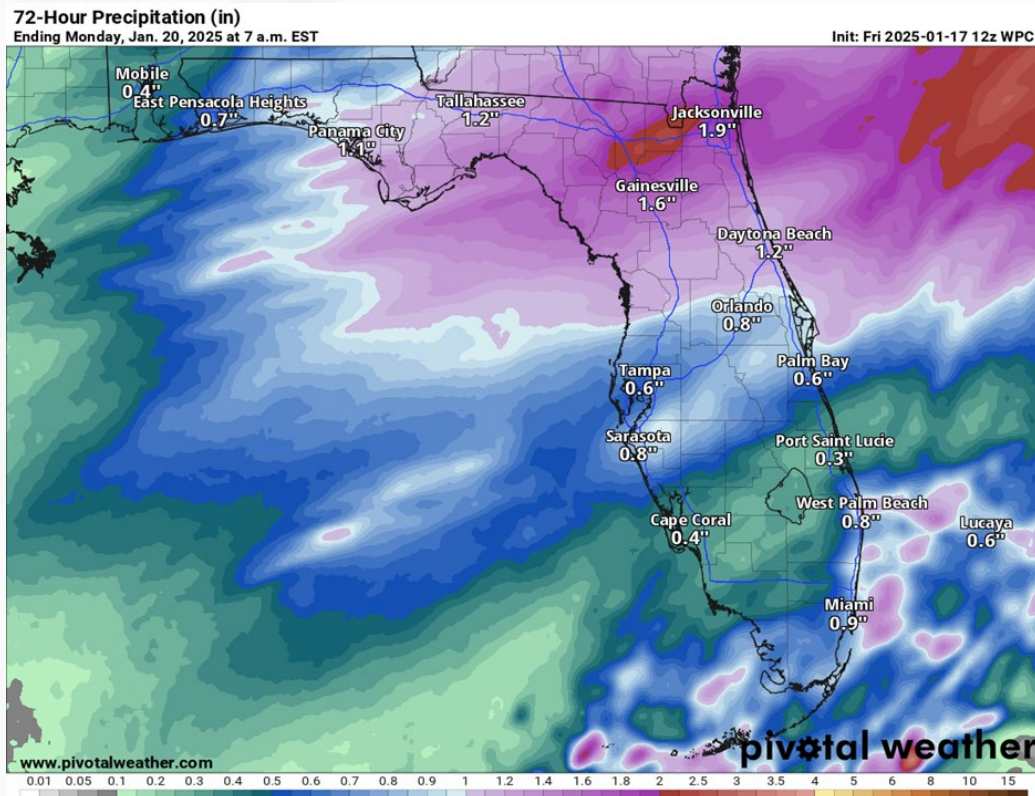
Thunderstorms will begin to move into the Florida Panhandle late tonight into Saturday, progressing eastward into the Northern Peninsula and West-Central Florida Saturday night ahead of an arctic cold front. Scattered to numerous showers and thunderstorms will continue, shifting into the Northern and Central Peninsula Sunday as the cold front moves through the state and off the southern coast by Sunday night. **Some strong to locally severe storms** capable of producing lightning, damaging wind gusts (40-60 mph), and heavy downpours cannot be ruled out. There is a **Marginal Risk (level 1 of 4) for Flash Flooding** across the Big Bend and Northern Peninsula Saturday as activity may be training in nature and capable of producing heavy downpours. By Sunday, very cold arctic air will filter southward into North Florida and the Nature Coast, giving way to the coldest temperatures of this winter season. Widespread low temperatures in the **20s and 30s** can be expected across North Florida and into the Nature Coast Saturday night and into next week with **wind chills** in the **teens and 20s** overnight into the following morning hours Monday through Wednesday. Some areas in the Panhandle cannot rule out **wind chills** nearing **single digits**. Despite warmer afternoon temperatures, **wind chills** in the **upper 20s to middle 30s** will likely persist along the Florida Panhandle and into the Suwannee Valley during the daytime hours through mid-to-late next week. Given these very cold wind chills, **Cold Weather Advisories** (formerly Wind Chill Advisories) will likely be issued, and **Extreme Cold Warnings** may be needed.

NDFD Rain (Chance)
NDFD Rain (Likely)
NDFD Snow (Chance)
NDFD Snow (Likely)
NDFD Mix (Chance)
NDFD Mix (Likely)
NDFD Ice (Chance)
NDFD Ice (Likely)
NDFD T-Storm (Chance)
NDFD T-Storm (Likely)



Flash Flood Threat - Saturday

From the Weather Prediction Center (WPC)

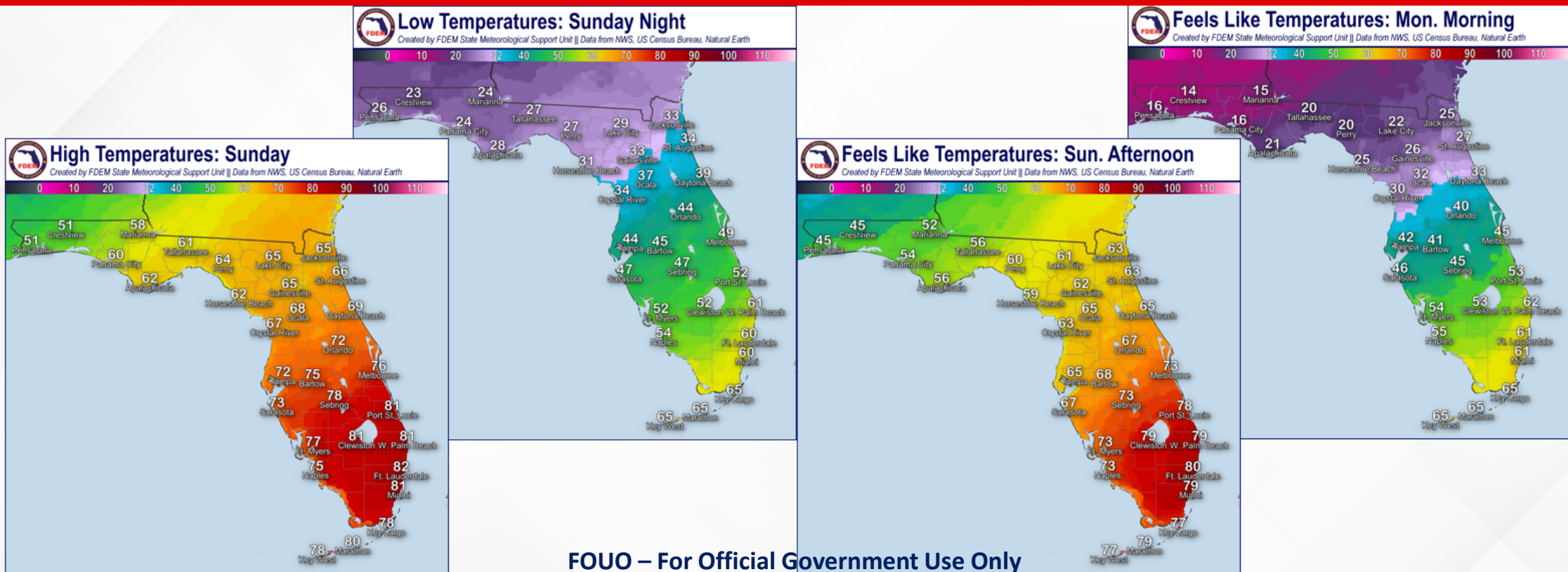


The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** across the Big Bend and Northern Peninsula Saturday as shower and thunderstorm activity producing heavy downpours may be training in nature, resulting in localized instances of **flooding** and **ponding of water**, especially over vulnerable urban and low-lying/poor drainage areas. Widespread rainfall totals near 1-2" are forecast over the next 3 days with **locally higher totals near 3-4"** possible across portions of the Big Bend and Northern Peninsula southward to the I-4 corridor.



Forecast Temperatures - Sunday

Highs, Lows, & Feels-Like Temperatures



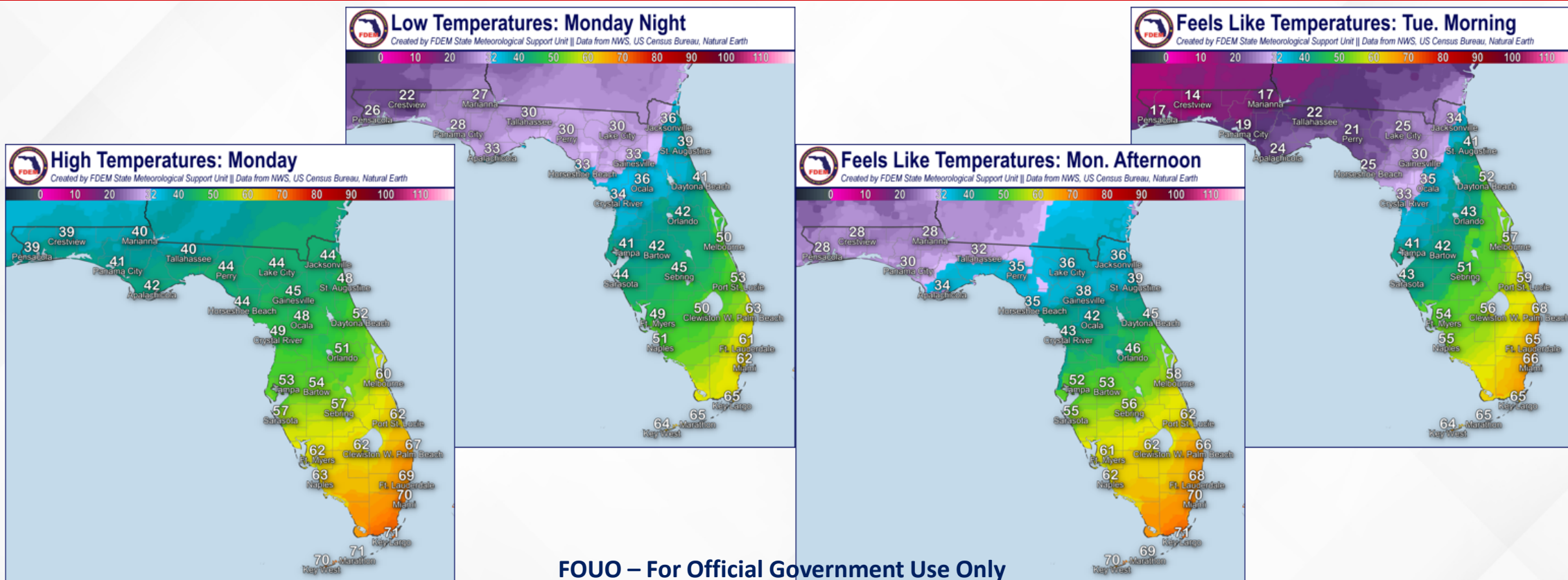
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High temperatures are expected to remain in the low to middle 50s along the Panhandle and 60s through the Big Bend and Northern Peninsula Sunday afternoon behind the passage of the arctic cold front. Central and South Florida will continue to rise into the 70s and 80s ahead of the cold front. Low temperatures will plummet into the **middle 20s to low 30s** across the Florida Panhandle and Suwannee Valley Sunday night with **middle to upper 30s** extending through Northeast Florida and the Nature Coast as a cold and dry high pressure airmass is ushered in behind the cold front. Central and South Florida will also see a drop in temperatures overnight; however, low temperatures are expected to remain in the middle 40s to low 50s across Central Florida and upper 50s to middle 60s across South Florida. Breezy winds will cause **temperatures to feel like** they are in the **teens** along the Panhandle, **upper teens to low 20s** through the Big Bend and Suwannee Valley, **middle 20s to low 30s** across the Northeast Florida and through the Nature Coast, and **upper 30s** to low 40s along and north of the I-4 corridor overnight into Monday morning. **Cold Weather Advisories** (formerly *Wind Chill Advisories*) will likely be issued across portions of North Florida and **Extreme Cold Warnings** may be necessary along portions of the Florida Panhandle.



Forecast Temperatures - Monday

Highs, Lows, & Feels-Like Temperatures



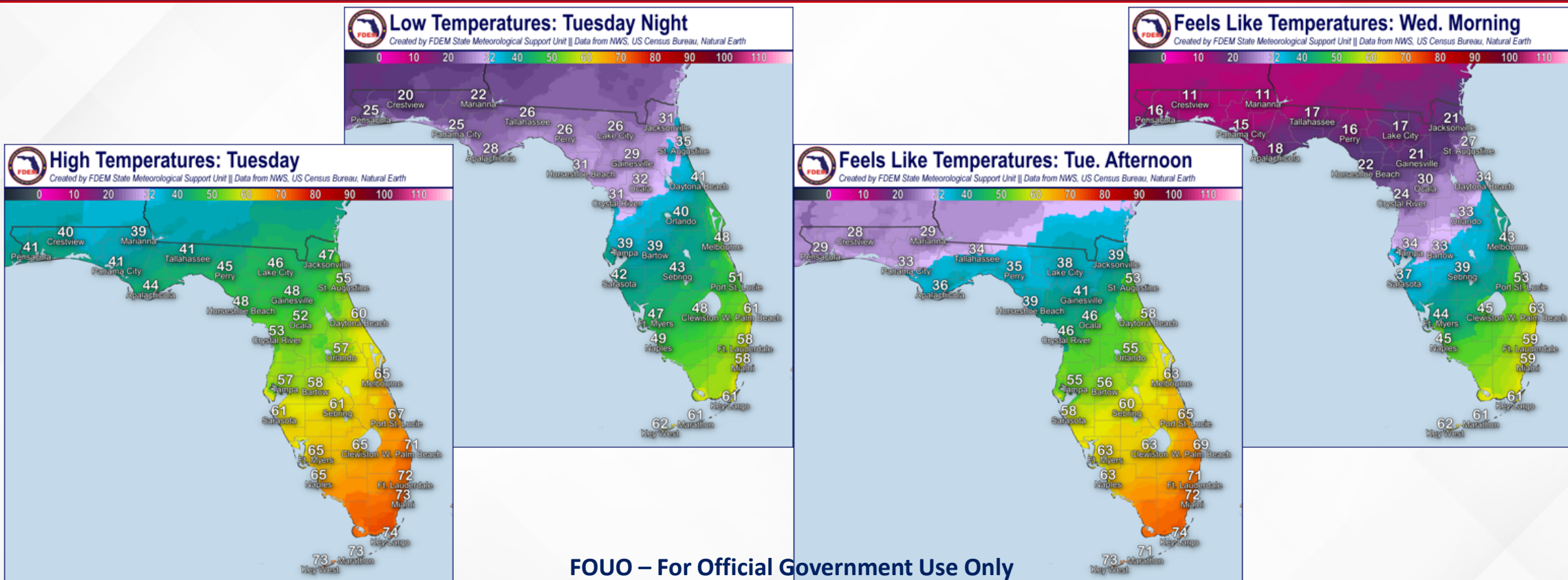
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High temperatures will be on the colder side Monday afternoon in the wake of the strong arctic cold front, only rising into the low to middle 40s along the Florida Panhandle, middle 40s to low 50s across the Northern Peninsula, low 50s to low 60s across Central Florida, and middle 60s to low 70s across South Florida. Despite the warm-up in the afternoon, **wind chills** will remain in the **upper 20s to middle 30s** along the Florida Panhandle, **middle to upper 30s** through the Suwannee Valley, and **upper 30s** to middle 40s across the Northern Peninsula through the daytime hours. Low temperatures will drop back into the **low 20s to low 30s** along the Florida Panhandle and Suwannee Valley, **middle 30s** to low 40s across Northeast Florida and the Nature Coast, 40s to low 50s across Central Florida, and middle 50s to middle 60s across South Florida Monday night. Continued breezy winds will cause **temperatures to feel like** they are in the **teens to middle 20s** along the Florida Panhandle, **low 20s to low 30s** across the Suwannee Valley, **upper 20s to upper 30s** across Northeast Florida and the Nature Coast, 40s to middle 50s across Central Florida, and upper 50s to middle 60s across South Florida overnight into Tuesday morning. **Cold Weather Advisories** (formerly *Wind Chill Advisories*) will likely be issued across portions of North Florida and **Extreme Cold Warnings** may be necessary along portions of the Florida Panhandle.



Forecast Temperatures - Tuesday

Highs, Lows, & Feels-Like Temperatures



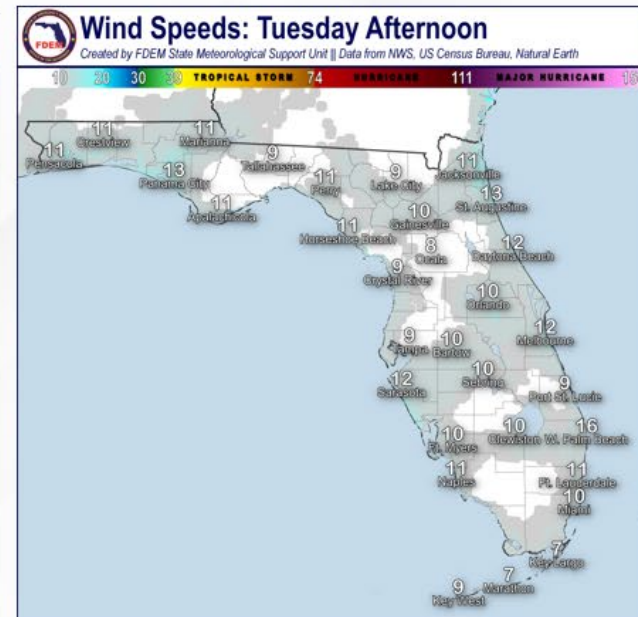
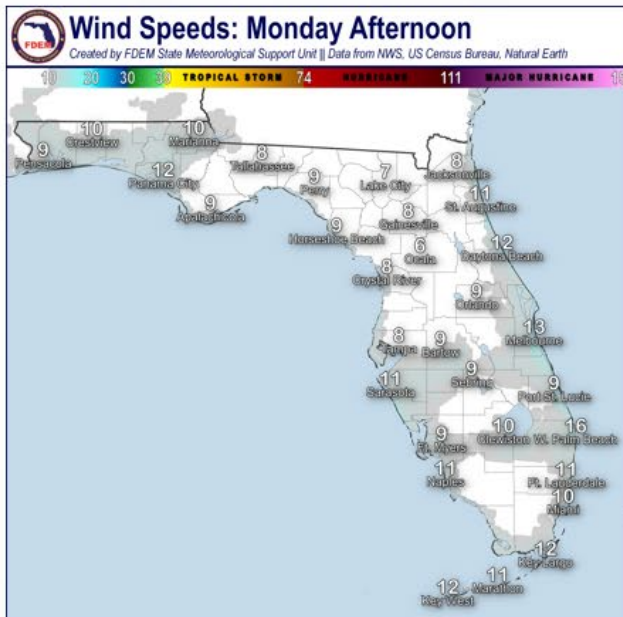
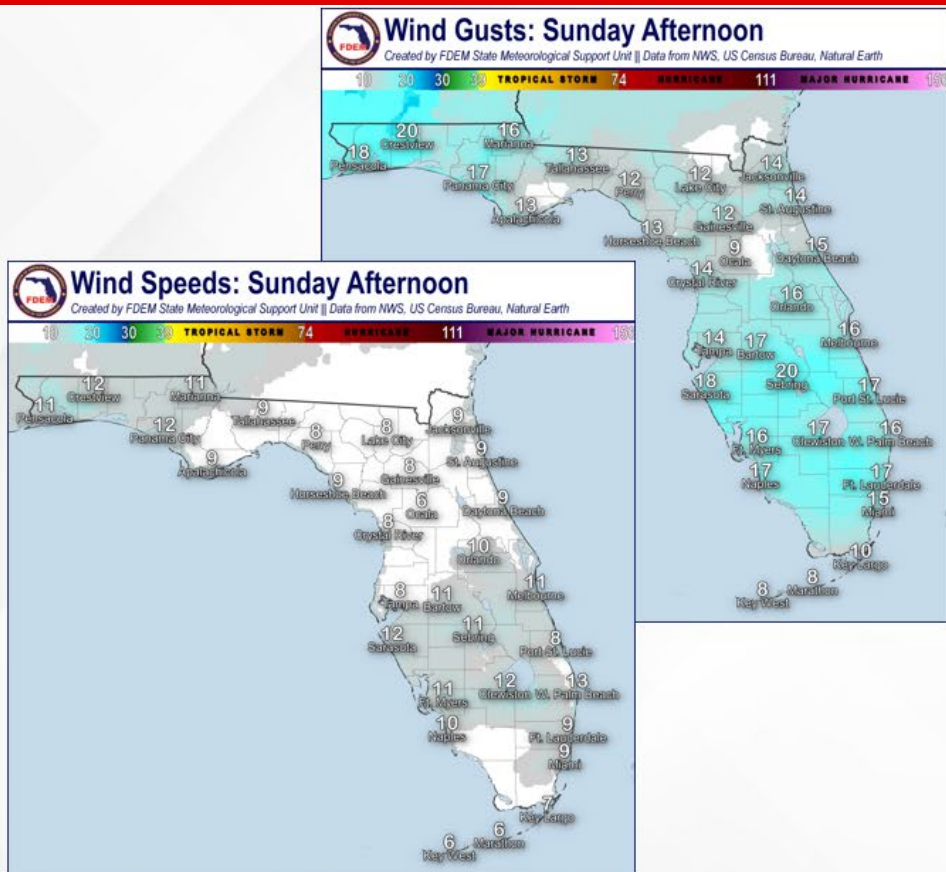
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High temperatures will remain cool across North Florida Tuesday afternoon in the **upper 30s** to middle 40s along the Florida Panhandle and middle 40s to middle 50s across the Northern Peninsula and Nature Coast. High temperatures will rise back into the upper 50s to middle 60s across Central Florida and upper 60s to middle 70s across South Florida Tuesday afternoon. Despite these slightly warmer temperatures across portions of the state, **temperatures will continue to feel** like they are in the **upper 20s to middle 30s** along the Florida Panhandle and **upper 30s** to middle 40s across the Northern Peninsula during the day Tuesday due to lingering breezy winds. Low temperatures will return to the **low to middle 20s** along the Florida Panhandle, **middle 20s** to middle 30s across the Northern Peninsula and Nature Coast, **upper 30s** to low 40s along the I-10 corridor, 40s across the rest of Central Florida, and 50s to low 60s across South Florida Tuesday night. Continued breezy winds will create **wind chills** in the **teens** along the Florida Panhandle and into the Suwannee Valley, **20s to low 30s** across the rest of the Northern Peninsula towards to the I-4 corridor, **middle to upper 30s** along and south of the I-4 corridor through much of Central Florida overnight into Wednesday morning. **Cold Weather Advisories** (formerly *Wind Chill Advisories*) will likely be issued across portions of North Florida and **Extreme Cold Warnings** may be necessary along portions of the Florida Panhandle.



Forecast Wind Speeds

Sunday through Tuesday



Breezy post-frontal winds will develop behind this weekend's cold front and linger into next week, generally reaching upwards of 5-15 mph with **gusts upwards of 15-25 mph** during the day and remaining upwards of 5-10 mph with gusts upwards of 10-15 mph overnight. Stronger winds and wind gusts may be possible early to mid-next week as an area of low pressure develops over the Gulf of Mexico and moves towards the state.



Max Temperatures & Min Wind Chills

From NWS Tallahassee

Maximum Temperature Forecast (°F)

	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	Maximum
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	
Albany	63	67	58	39	38	37	45	48	67
Apalachicola	59	65	60	41	43	40	51	54	65
Bainbridge	65	70	60	40	39	37	47	50	70
Cross City	66	69	65	44	47	42	56	58	69
Cuthbert	61	65	53	37	36	36	45	47	65
DeFuniak Springs	63	70	61	38	36	38	48	50	70
Dothan	63	69	60	37	36	37	46	48	69
Panama City	64	70	61	42	42	42	52	55	70
Perry	66	67	65	44	45	42	54	58	67
Tallahassee	64	67	60	40	41	39	50	54	67
Tifton	62	65	60	38	37	35	44	47	65
Valdosta	64	67	64	40	40	37	48	52	67



Maximum Temperature Forecast (°F)

Created: 4 am EST Fri 1/17/2025 | Values are maximums over the period beginning at the time shown.
Don't see your city? Check out weather.gov/forecastpoints

Minimum Wind Chill Forecast (°F)

	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	Minimum
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	
Albany	34	44	28	15	17	12	20	30	12
Apalachicola	39	55	35	21	25	19	26	34	19
Bainbridge	37	45	30	17	18	13	20	28	13
Cross City	37	49	42	22	25	21	23	34	21
Cuthbert	31	42	24	12	16	11	20	25	11
DeFuniak Springs	34	47	26	14	16	10	18	29	10
Dothan	34	46	26	14	17	11	18	29	11
Panama City	39	52	31	16	19	14	20	32	14
Perry	36	46	38	20	21	16	20	33	16
Tallahassee	36	47	34	20	22	17	20	31	17
Tifton	33	45	30	18	21	15	22	28	15
Valdosta	36	46	36	20	21	14	21	31	14



Minimum Wind Chill Forecast (°F)

Created: 4 am EST Fri 1/17/2025 | Values are minimums over the period beginning at the time shown.
Don't see your city? Check out weather.gov/forecastpoints

NO WIND

The Science of Wind Chill



98.6°F

Average temperature of the human body

Under calm conditions, the body radiates heat, creating a layer of warmth between our skin and the cold surroundings.



WINDY

95°F

Hypothermia begins when our body temperature drops two to four degrees

But when it's windy, the moving air breaks up this insulating layer. It speeds up heat loss by whisking away the warmth from our skin.



Heat is moved away from our bodies.

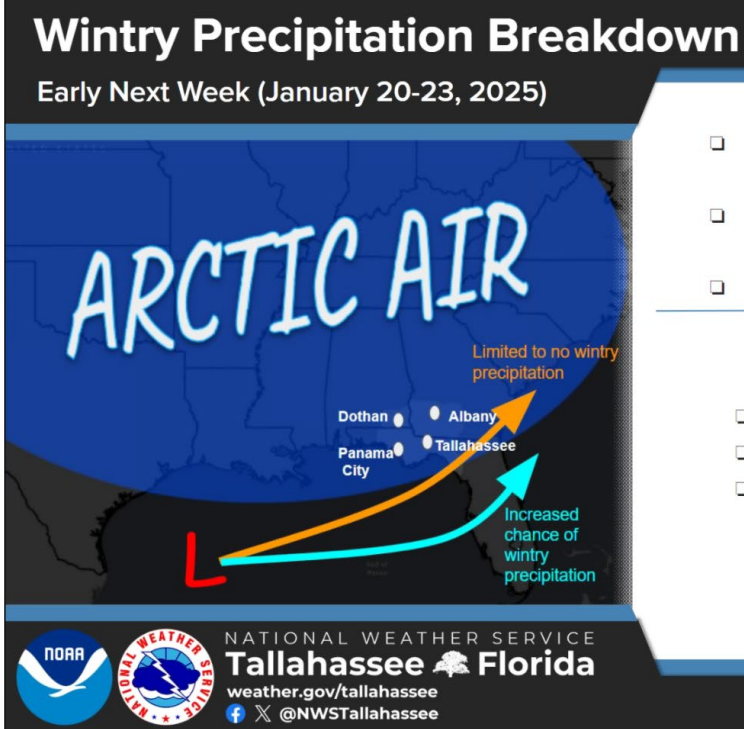
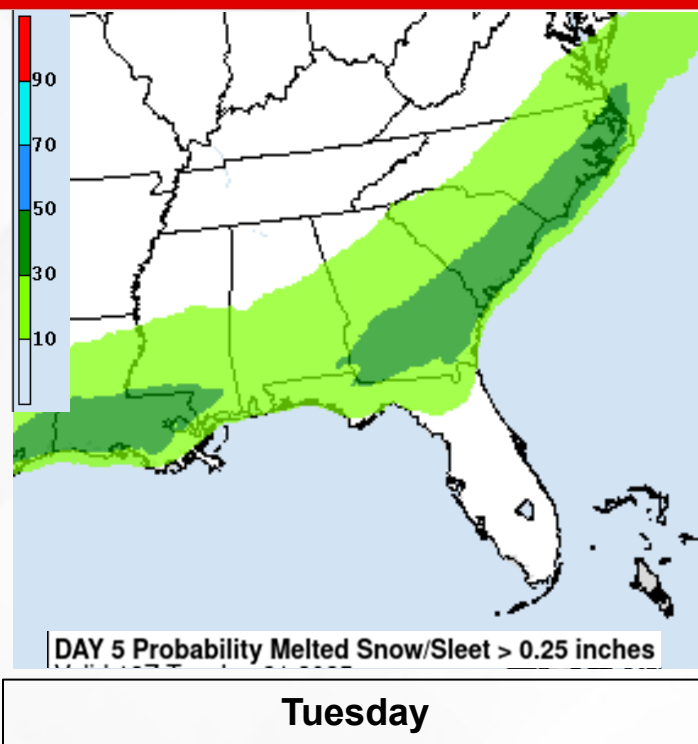


weather.gov/winter



Potential Winter Weather – Next Week

From the Weather Prediction Center (WPC) & NWS Tallahassee



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Main Points

- High confidence:** Bitterly cold conditions from an Arctic airmass beginning late Sunday through mid next week.
- Low confidence:** forecast for wintry precipitation.
- Possible scenarios: cold/dry, cold (liquid) rain, wintry mix.

Atmospheric Pattern

- Large dip in jet stream** to displace Arctic air southward.
- Area of **Low** pressure aims to develop over Western Gulf.
- Track of **Low** will play a key role in precipitation:
 - north track** limits wintry precip
 - south track** is more favorable for wintry precip.
 - a track too far south likely to foster **dry, but cold, weather.**

Updated: 10 am ET January 16, 2025

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An area of low pressure is expected to develop over the Western Gulf of Mexico and track eastward towards Florida early to mid-next week. With the chilly airmass expected to remain in place, there is currently a **low chance (10-30%)** that wintry precipitation (*freezing rain, sleet, snow, or a combination thereof*) could occur across portions of North Florida Tuesday into Wednesday. However, there continues to be **low confidence** in the forecast as there are *three potential scenarios* for this setup:

- The area of low pressure takes a more northerly track towards the Florida Panhandle/Big Bend, limiting the potential for wintry precipitation and likely resulting more of a cold rain across North Florida.*
- The area of low pressure takes a more southerly track towards Florida's West Coast, favoring the potential for wintry precipitation across portions of North Florida.*
- The area of low pressure stays on a more extreme southerly track towards or south of South Florida, resulting in mostly dry and cold conditions.*

It is still too early to determine specifics regarding the type and location or any accumulations of potential wintry precipitation at this time given the **high uncertainty** in the forecast; however, trends will continue to be monitored, and updates to the forecast can be expected. Should they be needed, any watches or warnings regarding this wintry precipitation will not be issued by the National Weather Service until Sunday, at the earliest.

5 P's OF COLD WEATHER PREPAREDNESS

PROTECT PLANTS



Cover cold-sensitive plants to protect them from dangerous temperatures.

PROTECT PETS



Bring outdoor pets inside or provide a warm shelter for them.

PRACTICE FIRE SAFETY



Use safe heating sources indoors.
Do not use fuel-burning devices such as grills; they release deadly carbon monoxide.



PROTECT PEOPLE

Dress in warm layers and wear a hat and gloves.



PROTECT PIPES

Cover pipes and allow outdoor faucets to slowly drip to prevent them from freezing and breaking.





Summary

- **What:** A strong arctic cold front is expected to bring coldest temperatures of this winter season across North Florida late this weekend into next week. **Some strong to locally severe thunderstorms** and instances of **localized flooding (Marginal Risk - level 1 of 4)** may be possible across North Florida and into Central Florida ahead of the cold front on Saturday. In the wake of the cold front, widespread low temperatures in the **20s and 30s** are expected across North Florida Sunday through mid-to-late next week with **wind chills** in the **teens and 20s**. Some areas in the Panhandle cannot rule out **wind chills** nearing **single digits**. Despite warmer afternoon temperatures, **wind chills** in the **upper 20s to middle 30s** will likely persist along the Florida Panhandle and into the Suwannee Valley during the daytime hours through mid-to-late next week.
- **Where & When:** North Florida & Nature Coast – Sunday to Wednesday
- **Potential Impacts:**
 - Some strong to locally severe storms capable of producing lightning, damaging wind gusts (40-60 mph), and heavy downpours cannot be ruled out Saturday.
 - The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** across the Big Bend and Northern Peninsula Saturday as shower and thunderstorm activity producing heavy downpours may be training in nature, resulting in localized instances of flooding and ponding of water.
 - Widespread rainfall totals near 1-2" are forecast over the next 3 days with locally higher totals near 3-4" possible across portions of the Big Bend and Northern Peninsula southward to the I-4 corridor.
 - Widespread low temperatures in the **20s and 30s** can be expected across North Florida and into the Nature Coast Saturday night and into next week with **wind chills** in the **teens and 20s** overnight and in the mornings Monday through Wednesday.
 - **Cold Weather Advisories** (*formerly Wind Chill Advisories*) will likely be issued across portions of North Florida Sunday through Wednesday as breezy winds produce wind chills in the teens and 20s across much of North Florida through the late overnight and early morning hours.
 - Despite warmer afternoon temperatures, **wind chills** in the **upper 20s to middle 30s** will likely persist along the Florida Panhandle and into the Suwannee Valley during the daytime hours Monday through Wednesday.
 - **Extreme Cold Watches and Warnings** may be issued along portions of the Florida Panhandle next week as wind chills fall to near or below 15-degrees.
 - An area of low pressure is expected to develop over the Western Gulf of Mexico and track eastward towards Florida early to mid-next week. With the chilly airmass expected to remain in place, there is currently a **low chance (10-30%)** that wintry precipitation (*freezing rain, sleet, snow, or a combination thereof*) could occur across portions of North Florida Tuesday into Wednesday.
 - There continues to be **low confidence** in the forecast as there are *three potential scenarios* depending on the eventual track of the area of low pressure.
 - *It is still too early to determine specifics regarding the type and location or any accumulations of potential wintry precipitation at this time given the **high uncertainty** in the forecast; however, trends will continue to be monitored, and updates to the forecast can be expected.*

The next packet will be issued on Saturday. For the latest cold weather updates, see products from your local National Weather Service office and the [Weather Prediction Center](#).



Weather Update

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State Meteorological Support Unit

Florida Division of Emergency Management

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