

# High Impact Weather Threats For Thursday December 20, 2018

Northeast Florida and Southeast Georgia



Jacksonville, FL  
Weather Forecast Office

## River Flooding Continues, May be Extended by Next System

## Potential for Heavy Rainfall along with a line of strong storms this afternoon

- Rainfall 1-2 inches SE GA, 2-3 inches NE FL... with locally heavier amounts.
- May cause flooding on saturated ground, and persistent river flooding
- Potential for a line of strong thunderstorms with strong wind gusts this afternoon across north-central Florida.
  - Tornado threat may exist, particularly from Marion Co to St. Johns Co. southeastward.

## Breezy conditions, especially Friday (gusts to 30 mph).

Briefing Time: 12/20/2018 10:15 AM

Caution: Do Not Use Beyond Eight (8) Hours from Briefing Time.

 US National Weather Service Jacksonville

 @NWSJacksonville

 [Weather.gov/JAX](http://Weather.gov/JAX)

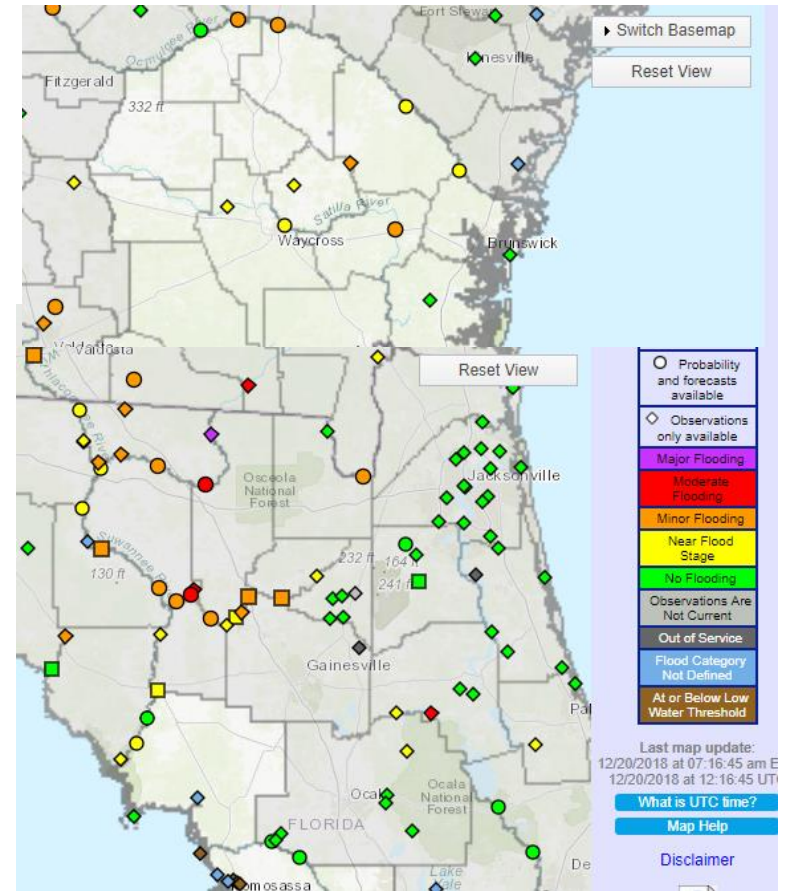
# River Flooding, Prolonged Flood Concerns



Monitor Rivers: <https://water.weather.gov/ahps2/index.php?wfo=jax>

- River flooding continues to be an issue for our region.
- Additional rainfall Today and Tonight maintain and extend river flooding concerns.

## Current River Observations



# Event Overview

Northeast Florida and Southeast Georgia



Jacksonville, FL  
Weather Forecast Office

- An intense storm system will affect our region through Friday.
  - Surface low will be much stronger, closer to our area.
  - Winds a few thousand feet above the ground will be 50-70 mph...leading to extreme vertical wind shear.
    - Will cause rapid storm motion.
  - Instability is the big question mark for potential severe storms.
    - All day rain minimizes threat of severe weather (like last Fri).
    - Break in rain ahead of storms greatly increases threat.

Briefing Time: 12/20/2018 10:15 AM

Caution: Do Not Use Beyond Eight (8) Hours from Briefing Time.

 US National Weather Service Jacksonville

 @NWSJacksonville

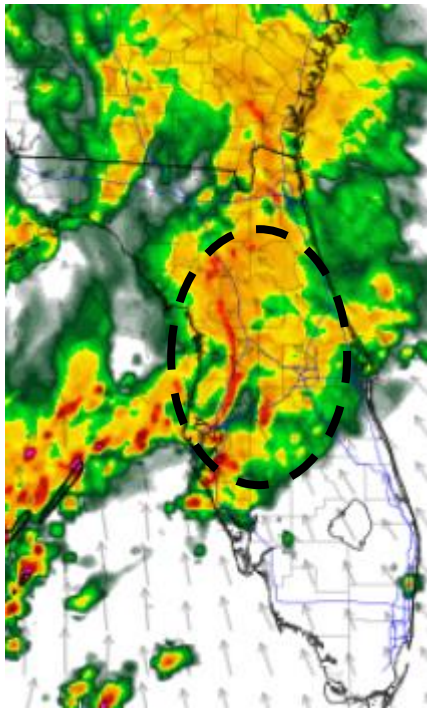
 [Weather.gov/JAX](http://Weather.gov/JAX)

# General Timing and Evolution

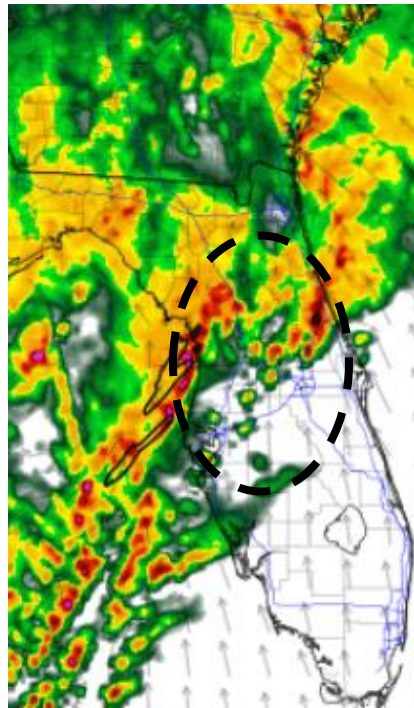
Northeast Florida and Southeast Georgia



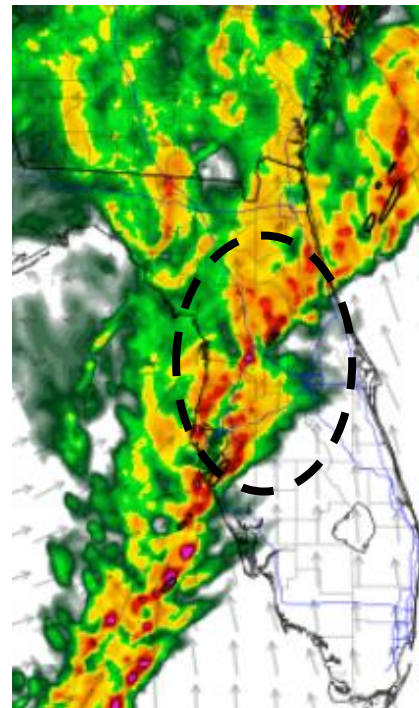
Jacksonville, FL  
Weather Forecast Office



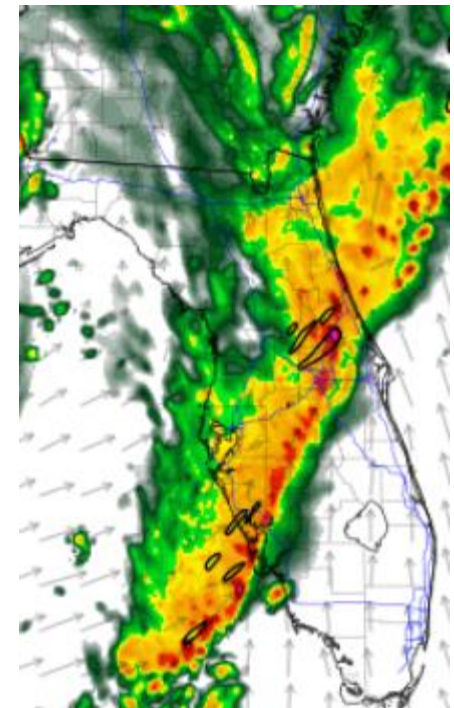
9am



Noon



2pm



4pm

Primary Threat Period for Our Area: **11am through 5pm.**

Briefing Time: 12/20/2018 10:15 AM

US National Weather Service Jacksonville

Caution: Do Not Use Beyond Eight (8) Hours from Briefing Time.

@NWSJacksonville

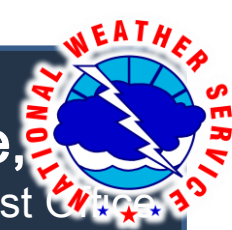
Weather.gov/JAX

# Thunderstorm Potential

for areas SE of Ocala, Palatka, & St Augustine

onville,

Weather Forecast Office

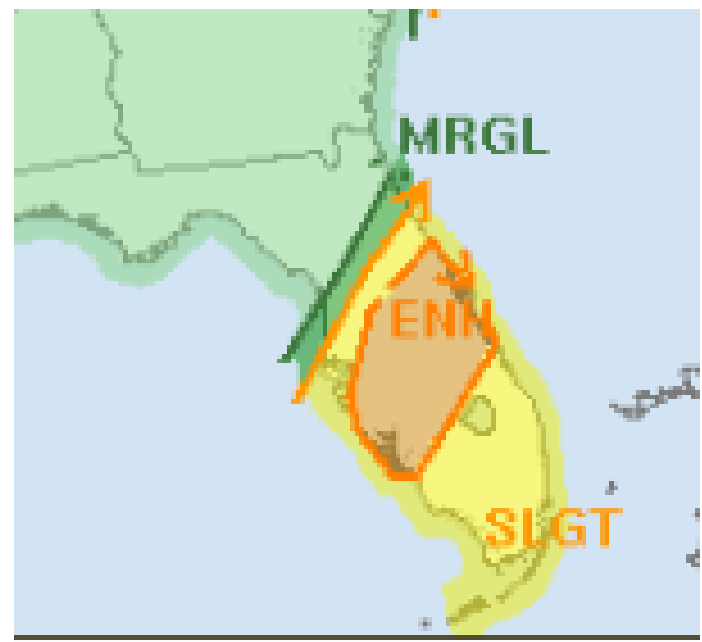
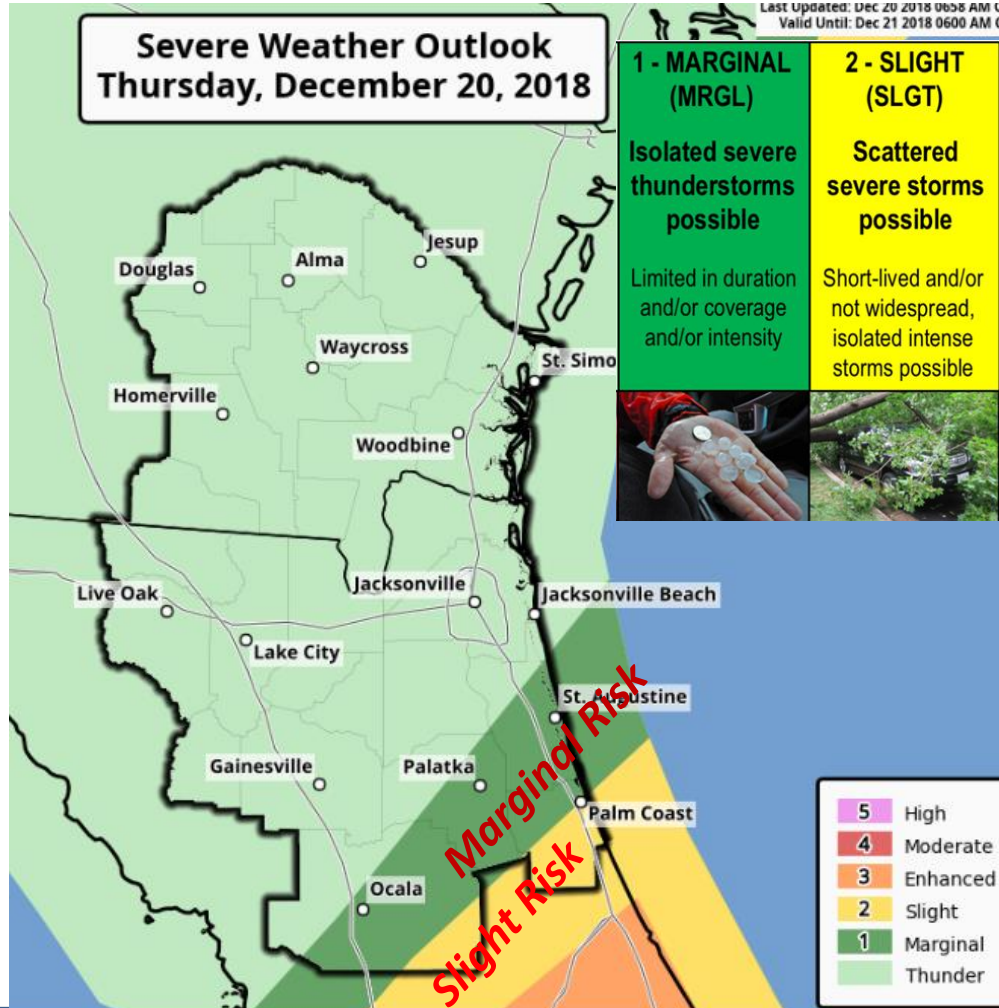


## Northeast Florida and Southeast Georgia

**Severe Weather Outlook**  
Thursday, December 20, 2018

Last Updated: Dec 20 2018 0655 AM C  
Valid Until: Dec 21 2018 0600 AM C

<b>1 - MARGINAL (MRGL)</b>	<b>2 - SLIGHT (SLGT)</b>
Isolated severe thunderstorms possible	Scattered severe storms possible
Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible



5	High
4	Moderate
3	Enhanced
2	Slight
1	Marginal
	Thunder

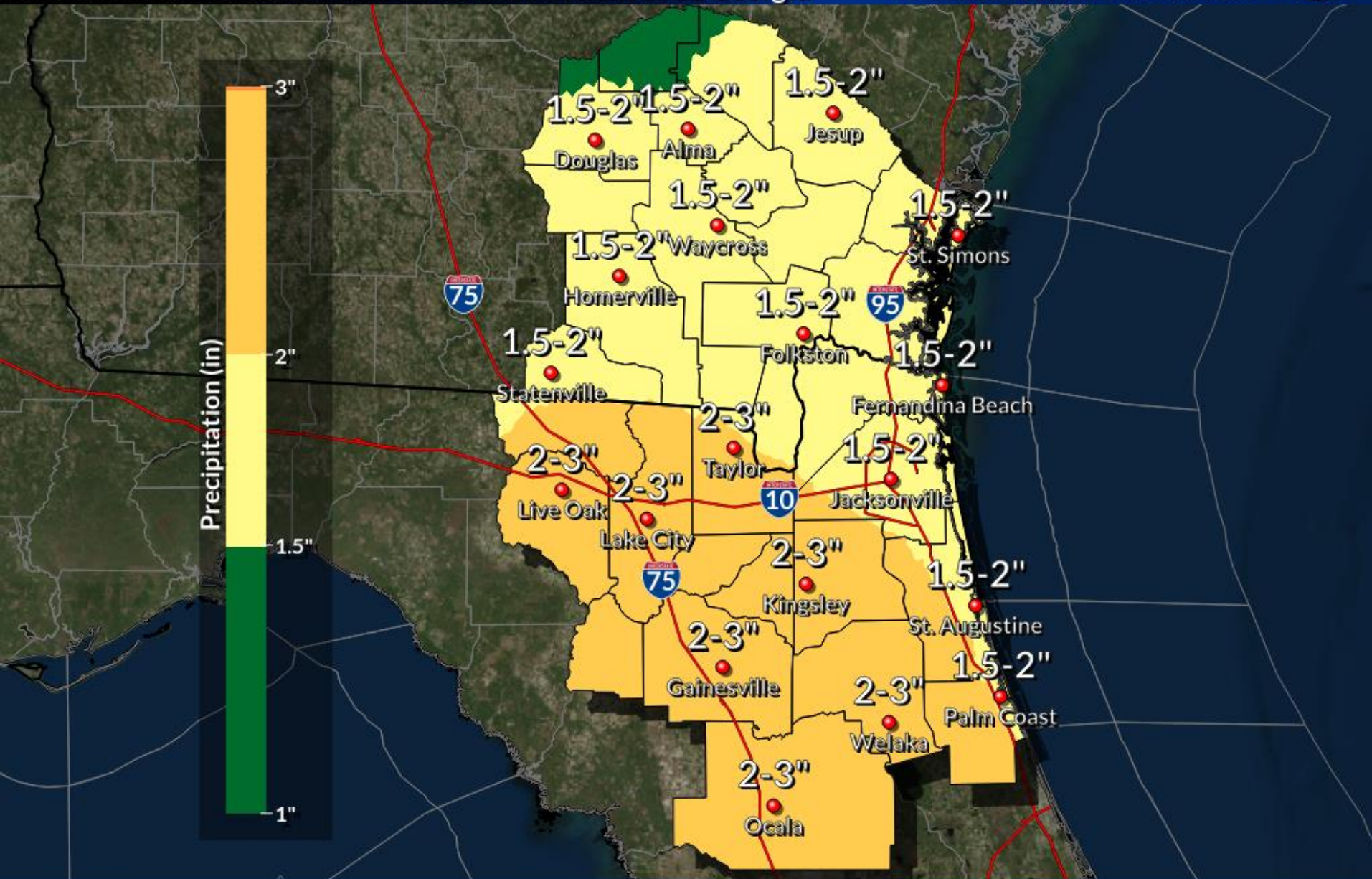
Briefing Time: 12/20/2018 10:15 AM

Caution: Do Not Use Beyond Eight (8) Hours from Briefing Time.

# Heavy Rainfall Today

Flood Watches Posted for NE Florida and Portions of SE Georgia

Weather Forecast Office  
Jacksonville, FL  
Issued Dec 20, 2018 4:03 AM EST



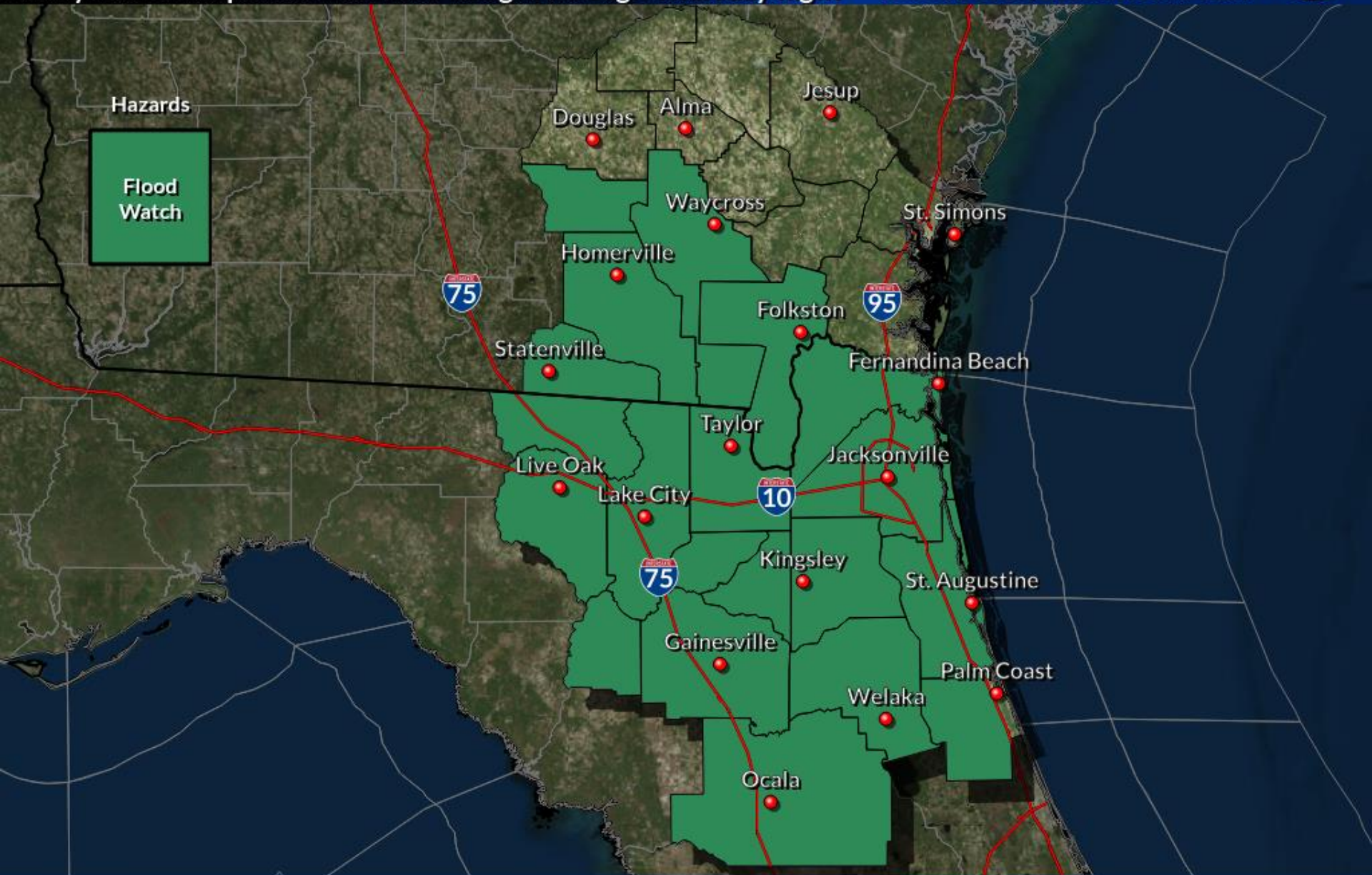
# Flood Watch on Thursday and Thursday Night

Weather Forecast Office  
Jacksonville, FL



Heavy Rainfall Expected from Late Tonight through Thursday night

Issued Dec 19, 2018 10:06 AM EST



# Threat Summary



Jacksonville, FL  
Weather Forecast Office

## Northeast Florida and Southeast Georgia

- Closely monitor the latest weather conditions and forecasts on Thursday.
  - 1-2 inches of rain SE GA, 2-3 inches NE FL, with locally heavier amounts.
  - Likely to maintain river flooding concerns into next week.
- A line of strong t-storms possible in the afternoon across north-central FL.
  - Primary threat: 50-70 mph winds along bulges in the line.
  - Very strong vertical shear will make tornadoes possible, through greater threat appears to be Marion Co. to St. Johns Co. southeastward.
- Breezy conditions ahead of the line of storms this afternoon, and during the day Friday (wind gusts up to 30 mph).

**Closely monitor the weather Today for potential tornado watches and severe weather warnings.**

Briefing Time: 12/20/2018 10:15 AM

Caution: Do Not Use Beyond Eight (8) Hours from Briefing Time.



US National Weather Service Jacksonville



@NWSJacksonville



Weather.gov/JAX