



# Special Weather Briefing

Wednesday, April 10, 2024

**Daniel Martin**  
**NWS Meteorologist**

Disclaimer: The information contained within this briefing is time sensitive and could affect its validity as time progresses.



# Overview:

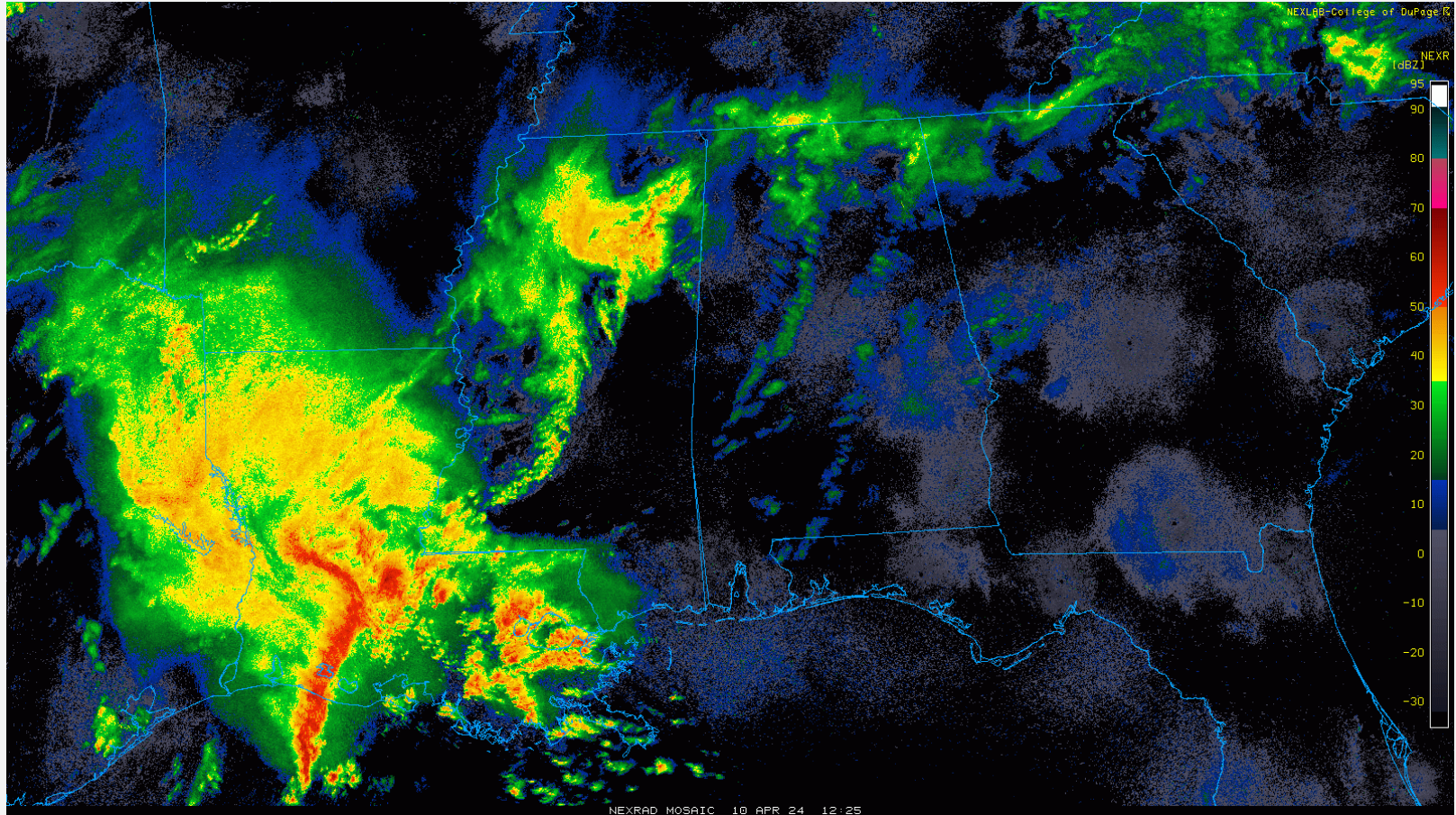
## This Afternoon through Tonight:

- Heavy rainfall may lead to a potential for flooding
- 2-4 inches of rain with isolated higher amounts, mainly south
- Severe storms possible, best chance for W and SW counties
- Damaging winds up to 70mph (Enhanced Risk Area)
- Tornadoes
- Quarter size hail
- Gradient winds outside of storms will gust up to 40mph



# National Weather Service – Birmingham, AL

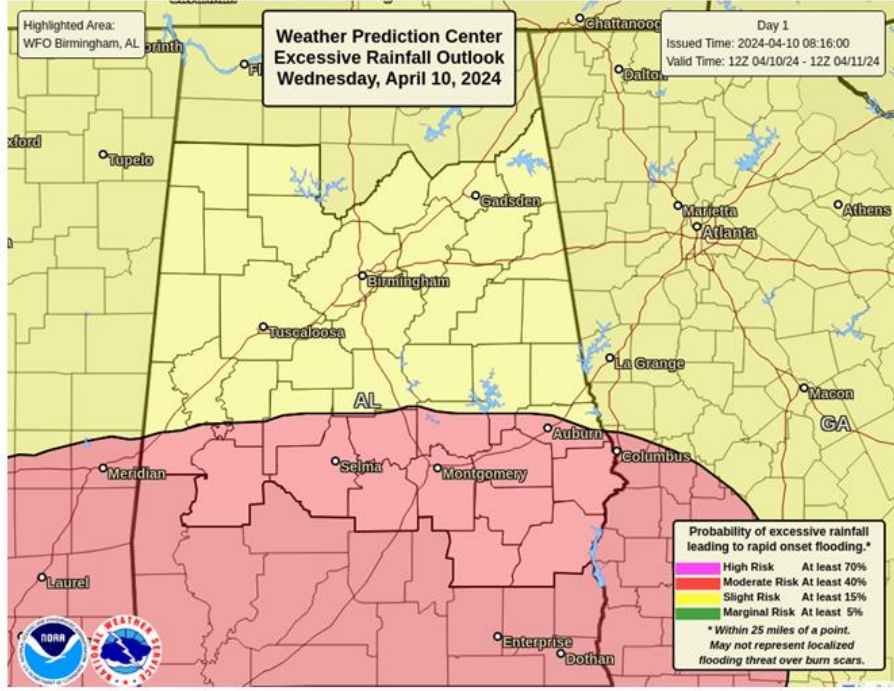
## Current radar





## Excessive Rainfall Outlook Wed Afternoon through Wed Night

Weather Forecast Office  
Birmingham, AL  
Issued April 10, 2024 4:12 AM CST



### Overview

- 2-4 inches of rain with isolated higher amounts expected.
- Uncertainty remains on where the heaviest rainfall will occur.

### Central Alabama Impacts

- Very heavy rainfall may lead to significant flooding concerns. Check back for the latest forecasts.

Forecasts at [weather.gov/bmx](https://weather.gov/bmx) and [wpc.ncep.noaa.gov](https://wpc.ncep.noaa.gov)



## Severe Storms Possible

Today (Noon thru 9 PM)

Weather Forecast Office  
Birmingham, AL

Issued April 10, 2024 3:43 AM CT



### Threats

**Enhanced Risk (3 of 5):** Tornadoes/Damaging winds up to 70 mph/Quarter size hail

**Slight Risk (2 of 5):** Tornadoes possible/Damaging winds up to 60 mph/Quarter size hail

**Marginal Risk (1 of 5):** Threats mentioned above are less likely but cannot be completely ruled out

### Threat Area



### Threat Timing



1 - Marginal

2 - Slight

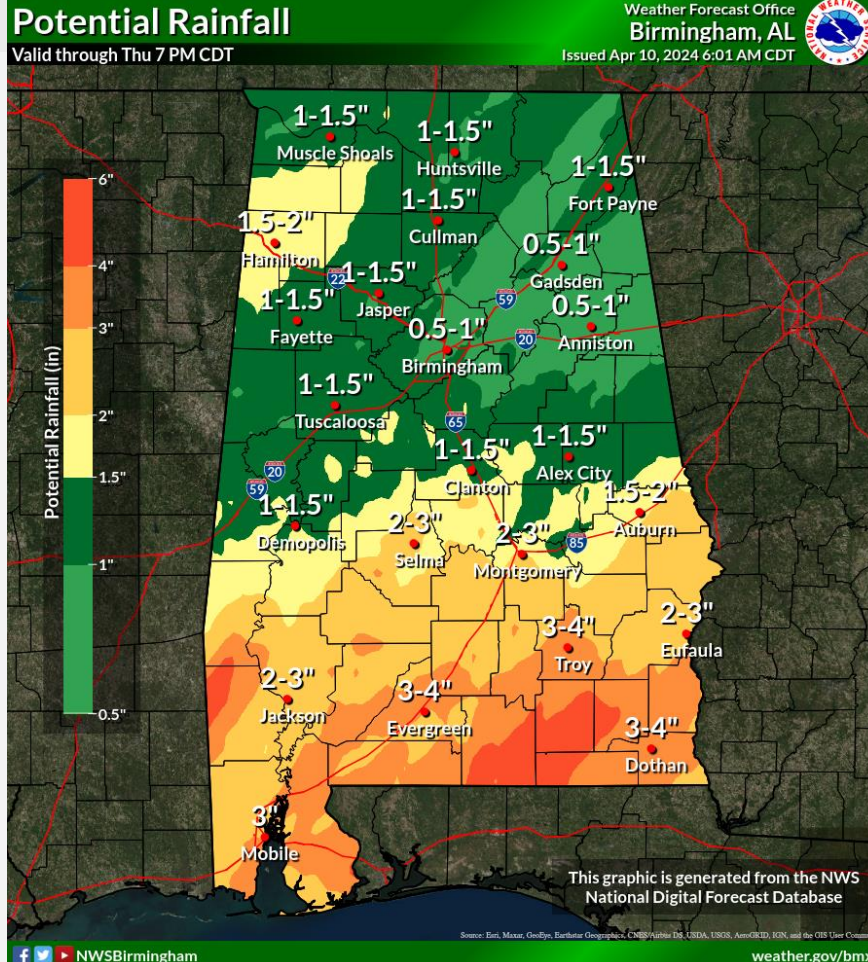
3 - Enhanced

4 - Moderate

5 - High



# National Weather Service – Birmingham, AL





## Flood Watch

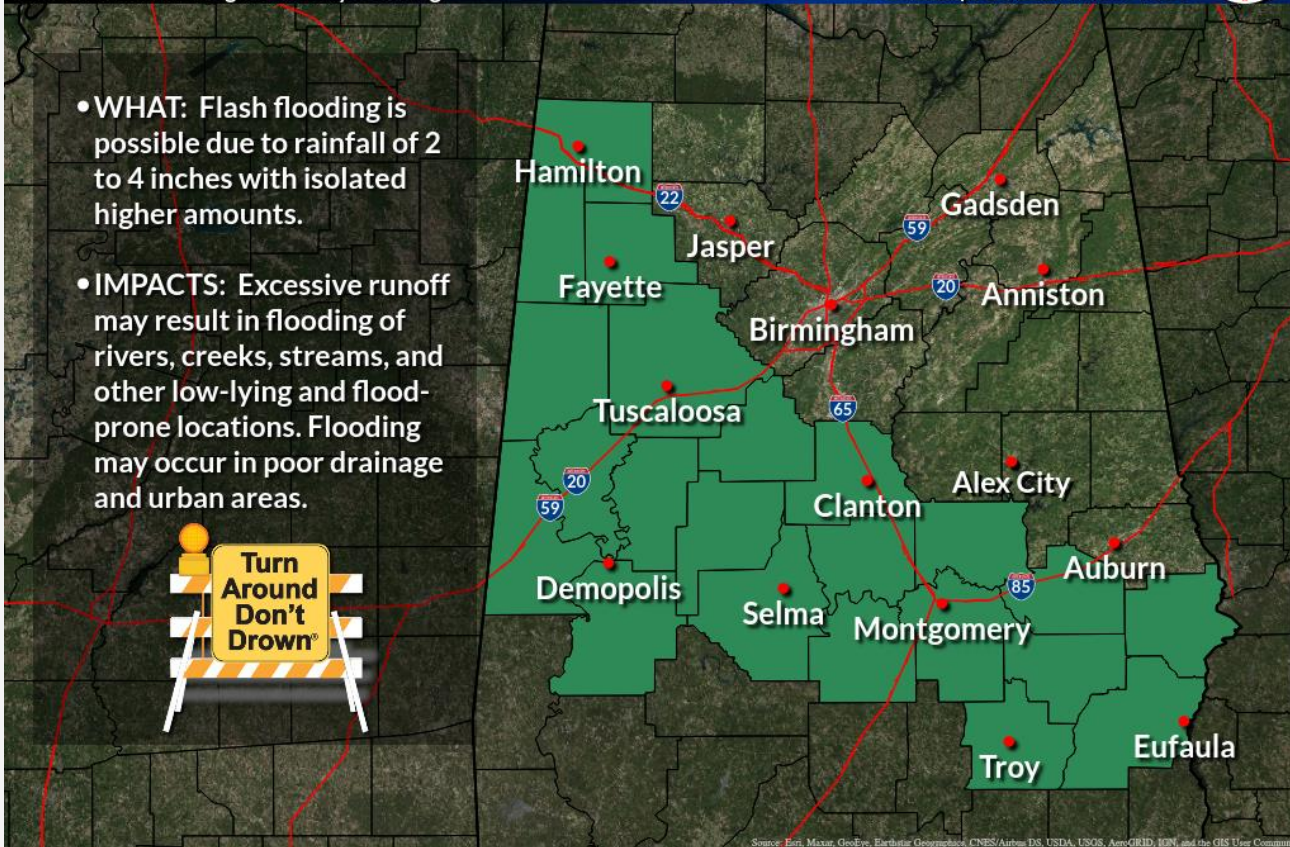
This Afternoon through Thursday Morning

Weather Forecast Office  
Birmingham, AL

Issued Apr 10, 2024 7:45 AM CDT



- **WHAT:** Flash flooding is possible due to rainfall of 2 to 4 inches with isolated higher amounts.
- **IMPACTS:** Excessive runoff may result in flooding of rivers, creeks, streams, and other low-lying and flood-prone locations. Flooding may occur in poor drainage and urban areas.

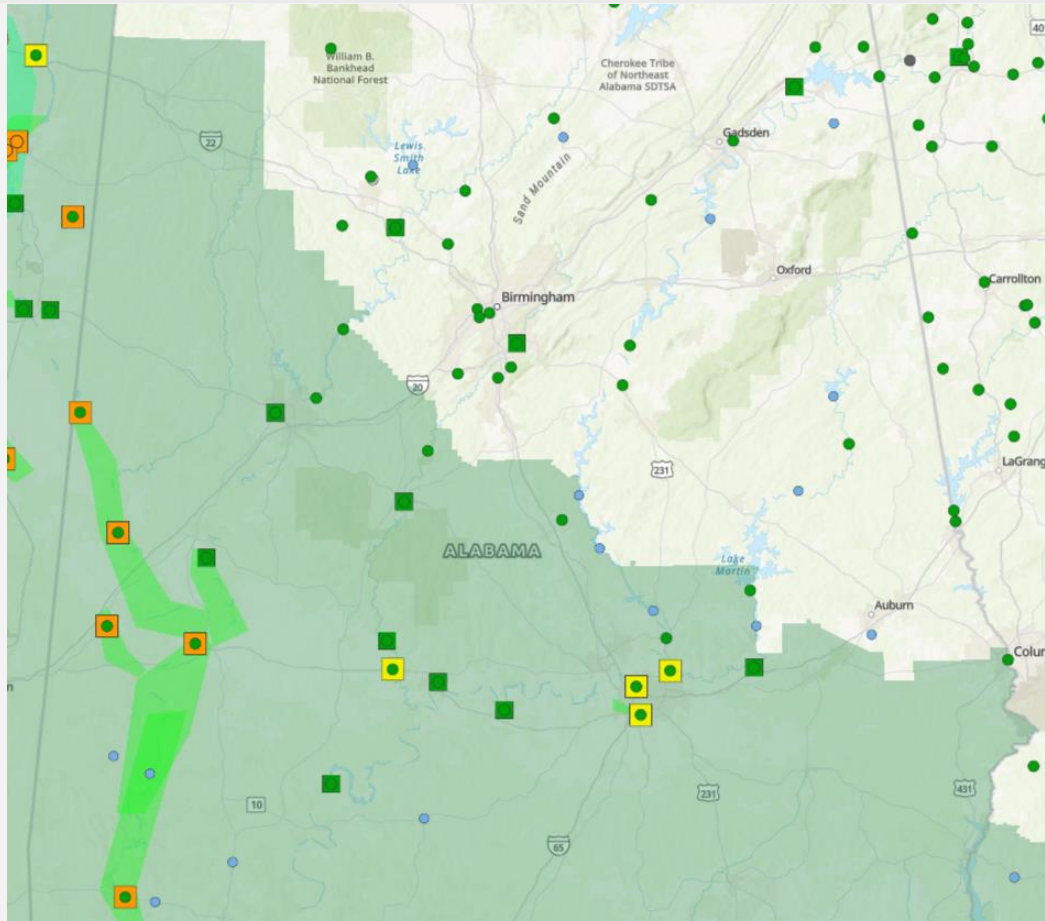


Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



# National Weather Service – Birmingham, AL

River Flood Forecast – [water.noaa.gov](http://water.noaa.gov)

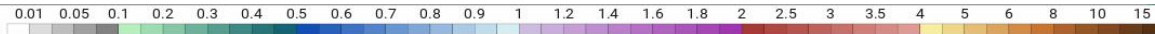
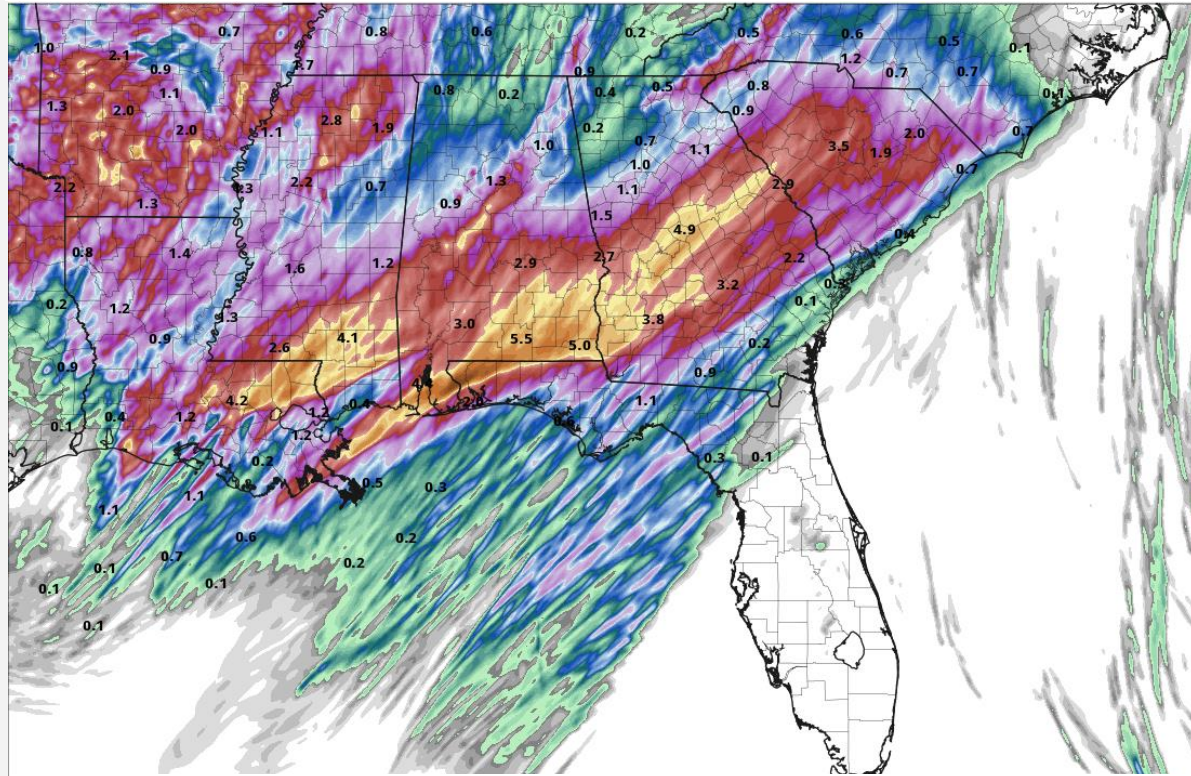






# National Weather Service – Birmingham, AL

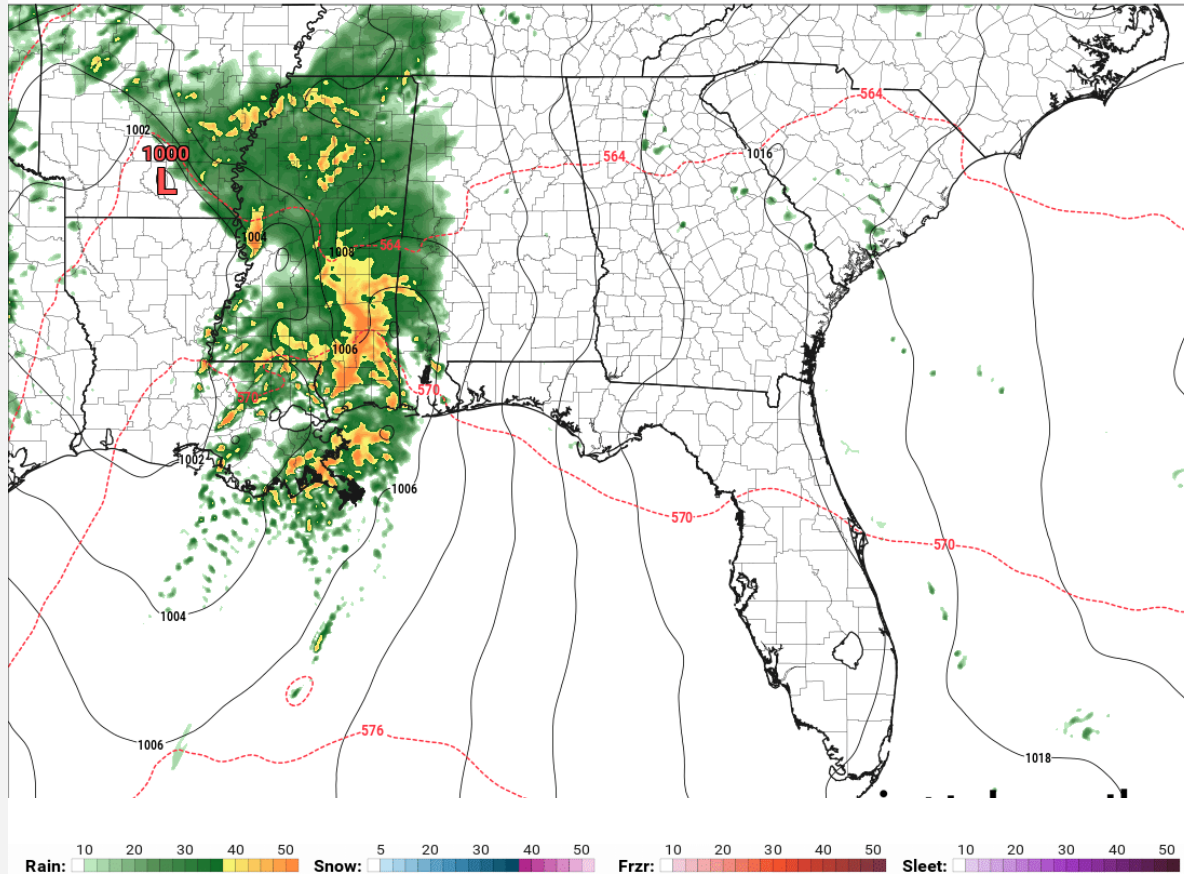
## Model Simulation – Forecast Rainfall through Thursday





# National Weather Service – Birmingham, AL

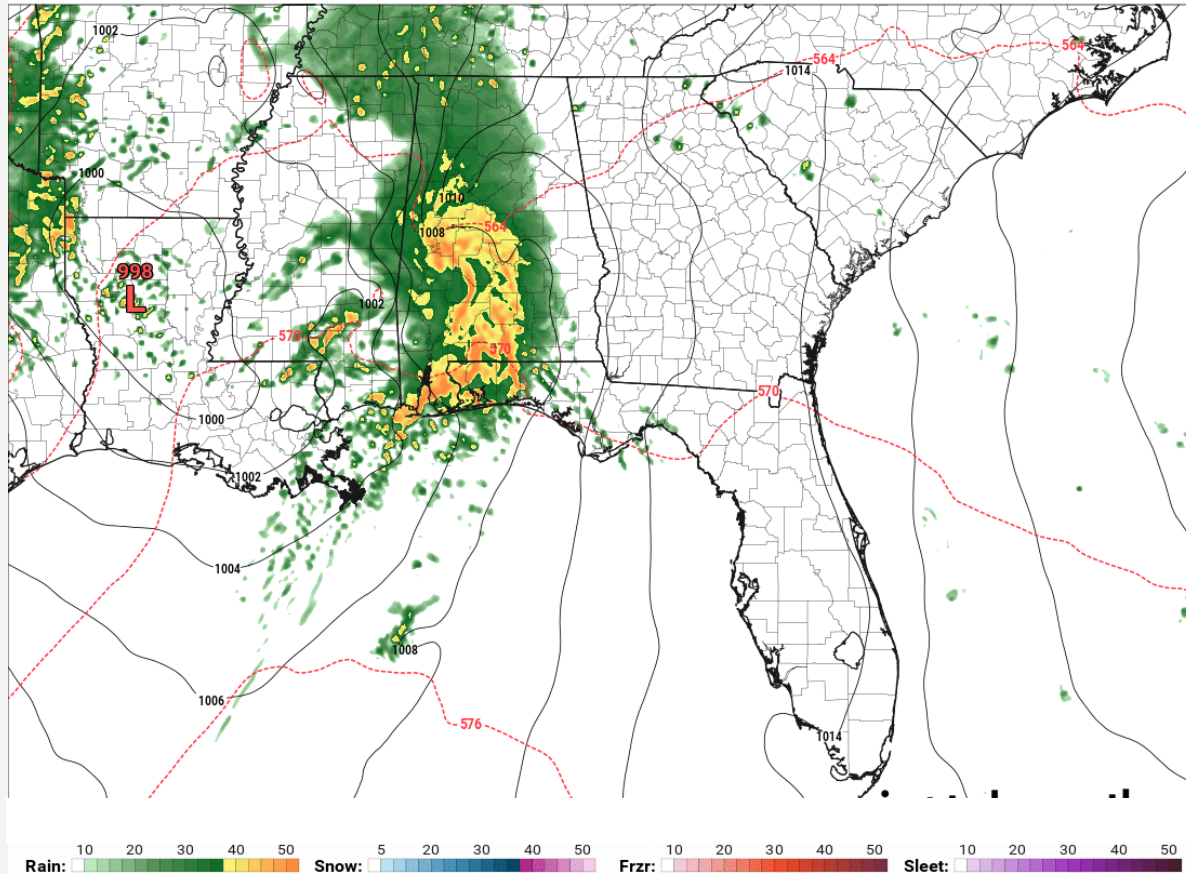
## Simulated Reflectivity – Today 1pm





# National Weather Service – Birmingham, AL

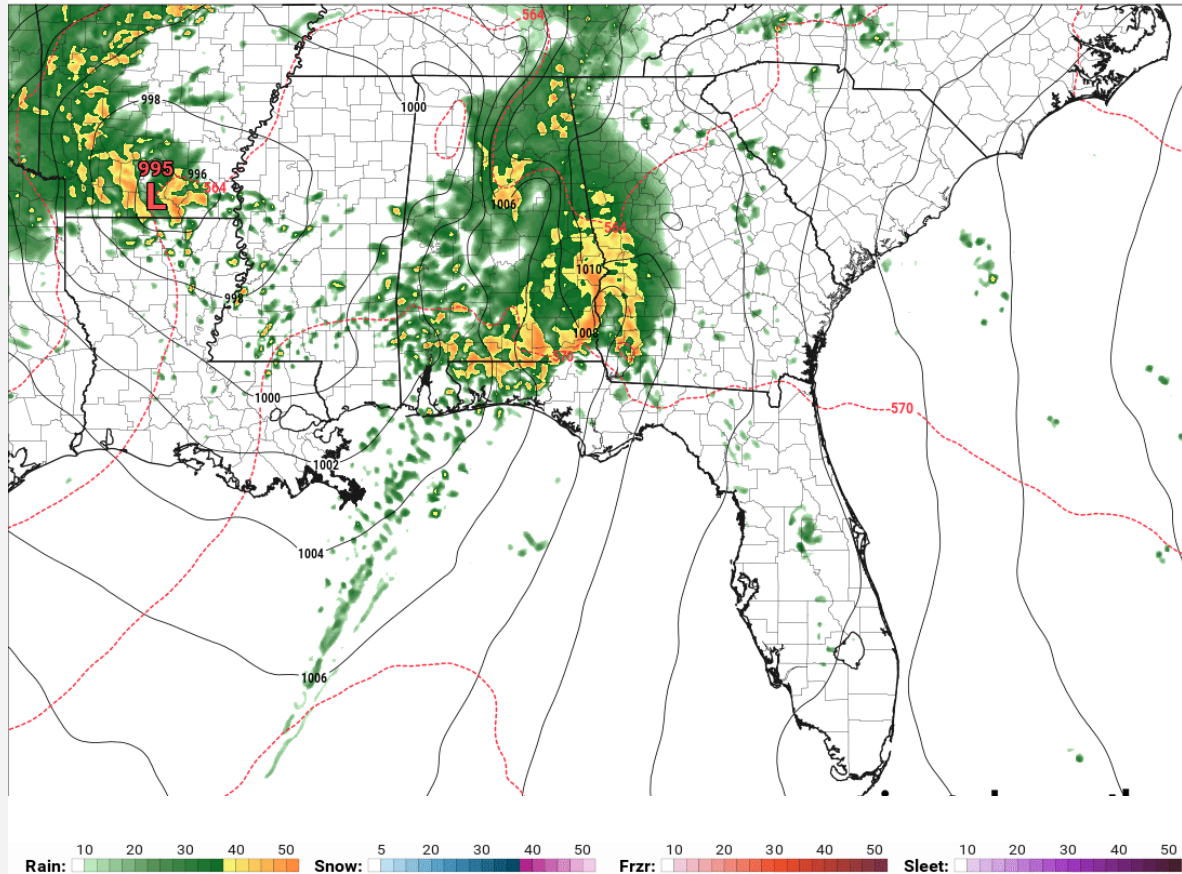
## Simulated Reflectivity – Today 4pm





# National Weather Service – Birmingham, AL

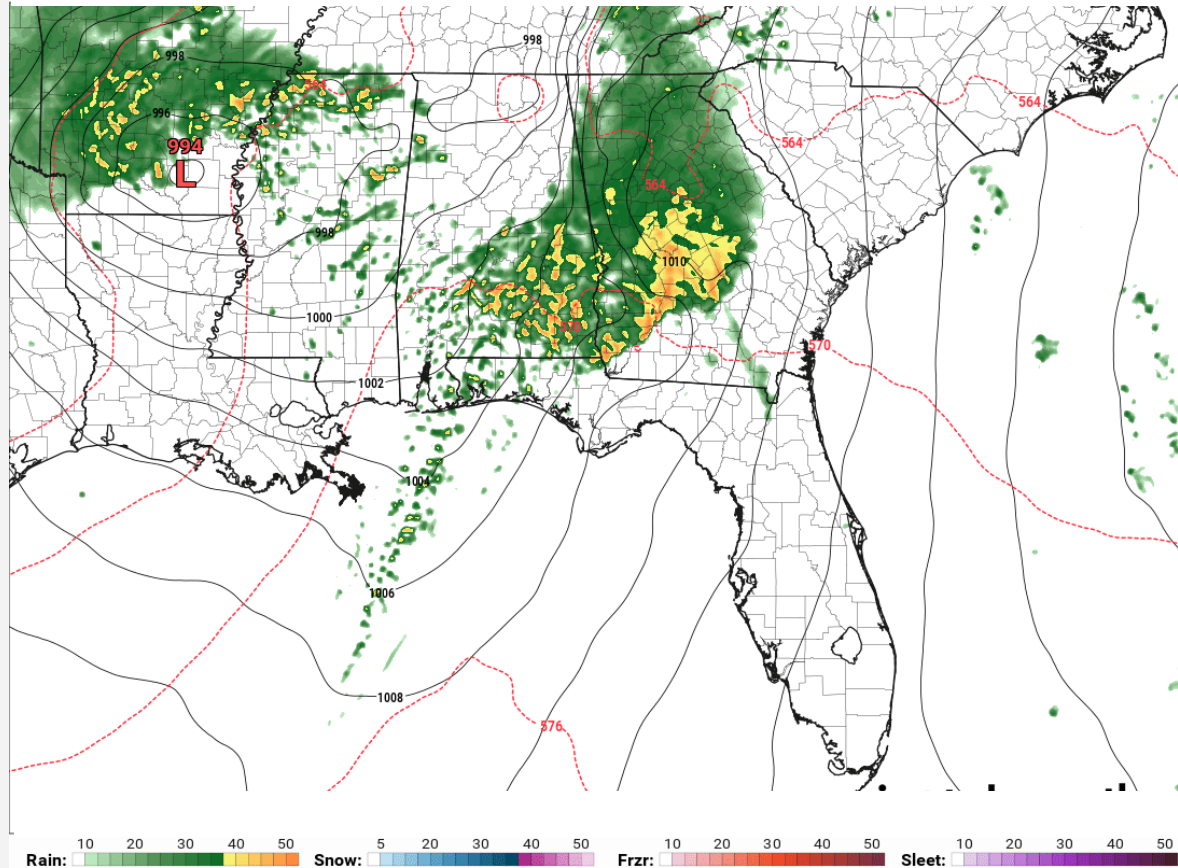
## Simulated Reflectivity – Today 7pm





# National Weather Service – Birmingham, AL

## Simulated Reflectivity – Today 10pm





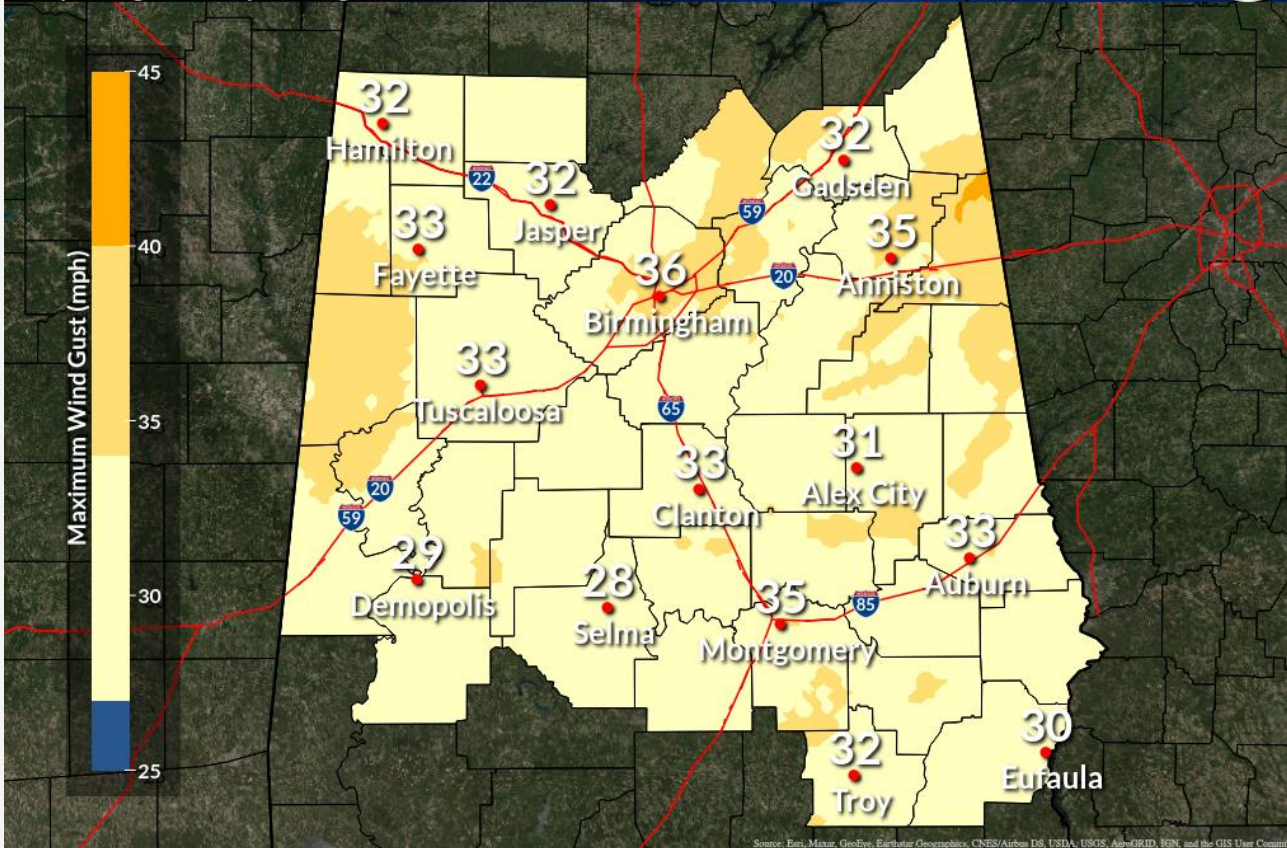
# National Weather Service – Birmingham, AL

## Forecast Wind Gusts (mph)

Today through Thursday Morning

Weather Forecast Office  
Birmingham, AL

Issued Apr 10, 2024 8:28 AM CDT



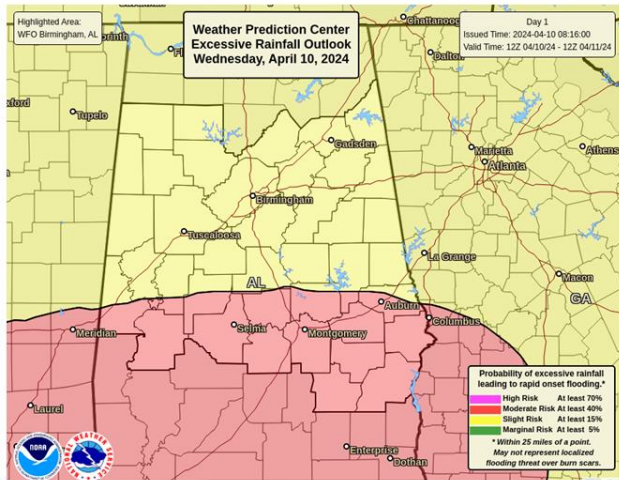
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USOS, AeroGRID, IGN, and the GIS User Community



## Summary

### Excessive Rainfall Outlook Wed Afternoon through Wed Night

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#### Threat Area



#### Threat Timing



1 - Marginal 2 - Slight 3 - Enhanced 4 - Moderate 5 - High



# Weekly Weather Briefing

Slides and recording available at:  
[weather.gov/bmx/emwebinar](http://weather.gov/bmx/emwebinar)

**We're In-Service 24/7/365**  
**Contact Us Anytime**

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