



# National Weather Service Melbourne Decision Support Weather Briefing for Emergency Management Officials

## Windy Wednesday with Risk of Severe Thunderstorms *Issued: 10 AM Tue Apr 2, 2024*

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### Key Messages:

- Risk of severe thunderstorms has increased slightly for Wednesday ahead of a strong cold front.
- The primary threat will be damaging wind gusts of 60 to 70 mph.
- Windy conditions will exist before the storms arrive. Non-thunderstorm winds 20-30 mph will gust around 40 mph from the Southwest. A Wind Advisory will likely be needed for much of east central Florida on Wednesday.

### Impacts:

- Thunderstorm wind gusts over 50 mph
  - ➔ 15% chance of locally damaging winds of 60-70 mph
- Hail up to 1" in diameter (Quarter-sized)
- Frequent cloud-to-ground lightning
- Heavy rainfall (Locally up to 2 inches possible Lake county and I-4 corridor)
  - *See graphic below*
- A tornado cannot be ruled out. The best chance will be in the Slight Risk area.

### Timing for Severe Threat:

11AM - 3PM Lake, Volusia, Seminole, Orange, north Osceola, north Brevard counties

3 PM - 6 PM south Brevard, south Osceola, Indian River, Saint Lucie and Okeechobee counties

➤ *See graphic below*

**Next briefing will be issued by 9 am Wednesday.**

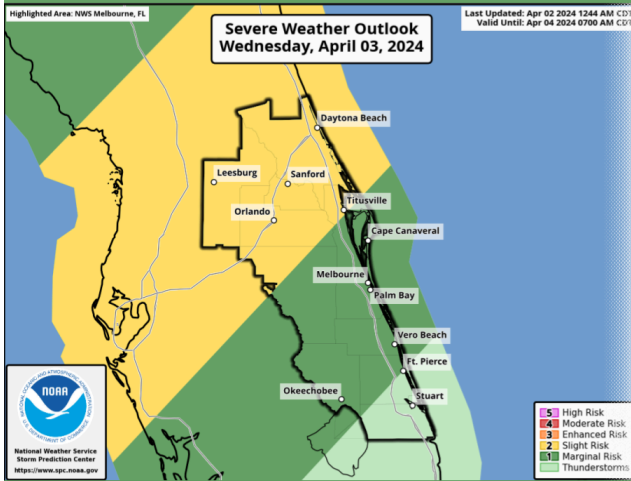
**Forecaster: Kelly**

# Risk of Severe Storms Wednesday

Have A Way To Get Severe Weather Warnings  
Visit [weather.gov/melbourne](http://weather.gov/melbourne)



Level 2 of 5: East Central Florida



Late-morning through the Afternoon  
(11am - 6pm)



Highest risk for severe storms

Orlando, Sanford, Daytona Beach, Leesburg, Titusville

Potential Hazards:



→ Damaging wind gusts (Primary hazard)

◆ 15% risk for wind gusts of 60 to 70 mph

→ Hail to 1" diameter (quarter-sized)

→ Frequent lightning strikes

→ Moderate to heavy rainfall

→ A tornado cannot be ruled out



WEATHER FORECAST OFFICE

Melbourne Florida

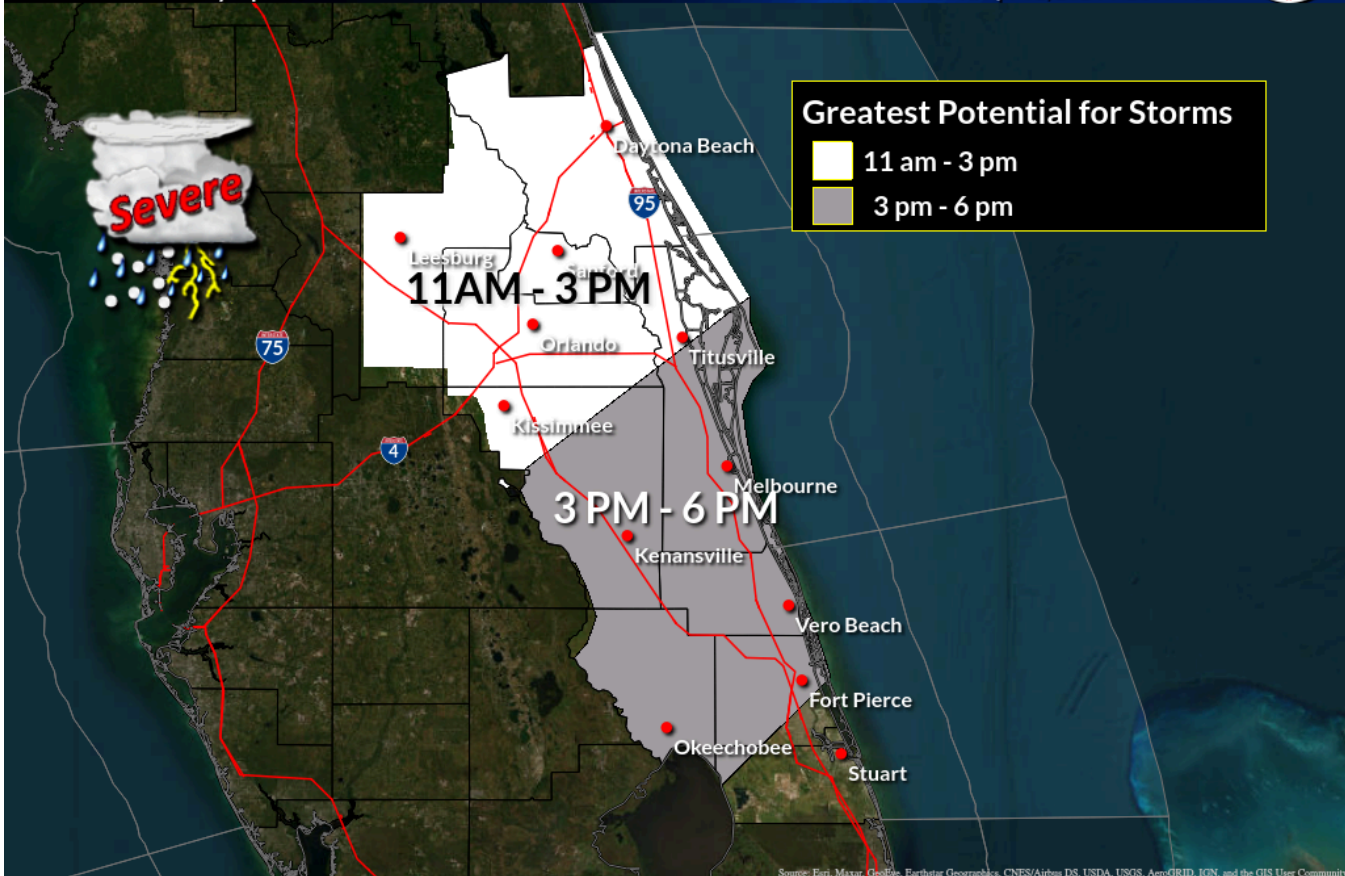
Updated: April 2, 2024

# Timing of Greatest Storm Impacts

Valid for Wednesday April 3

Weather Forecast Office  
Melbourne, FL

Issued Apr 02, 2024 9:21 AM EDT



# Forecast Rainfall Amounts

8AM Wednesday to 8AM Thursday

Weather Forecast Office  
Melbourne, FL  
Issued Apr 02, 2024 9:32 AM EDT

