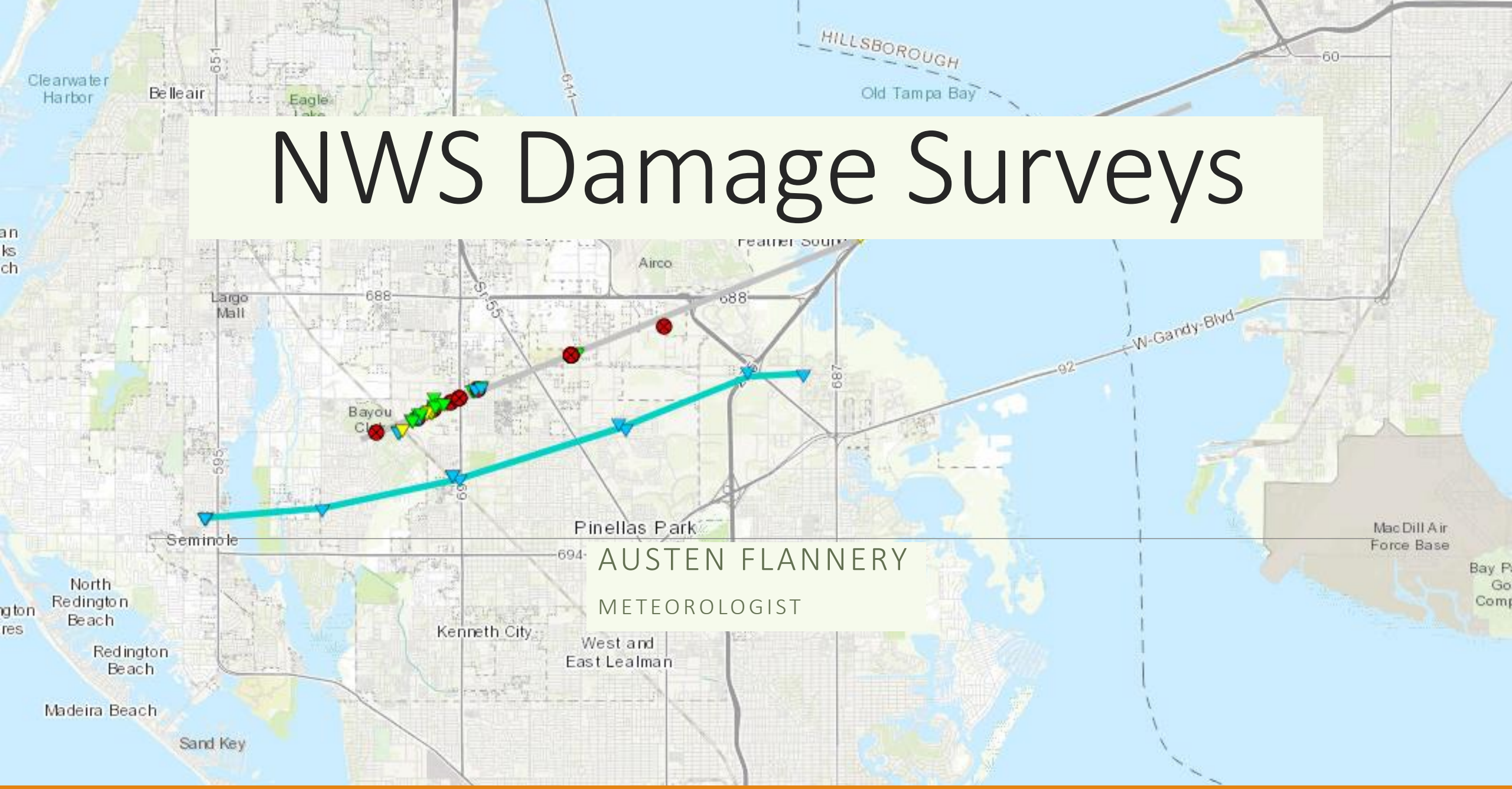
NWS Damage Surveys



AUSTEN FLANNERY

METEOROLOGIST

Why Do We Conduct Damage Surveys?

Reconstruct the events that occurred

Provide an accurate assessment of what happened to core partners

Improve warning programs

NATIONAL WEATHER SERIVCE TAMPA BAY
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Preliminary
Damage Survey Results

Pinellas County Tornado	
Date	12/16/2020
Time (Local)	3:49 PM
EF Rating	EF-2
Est. Peak Wind	125 MPH
Path Length	13.12 miles
Max Width	300 yards
Deaths/Injuries	0 / 0

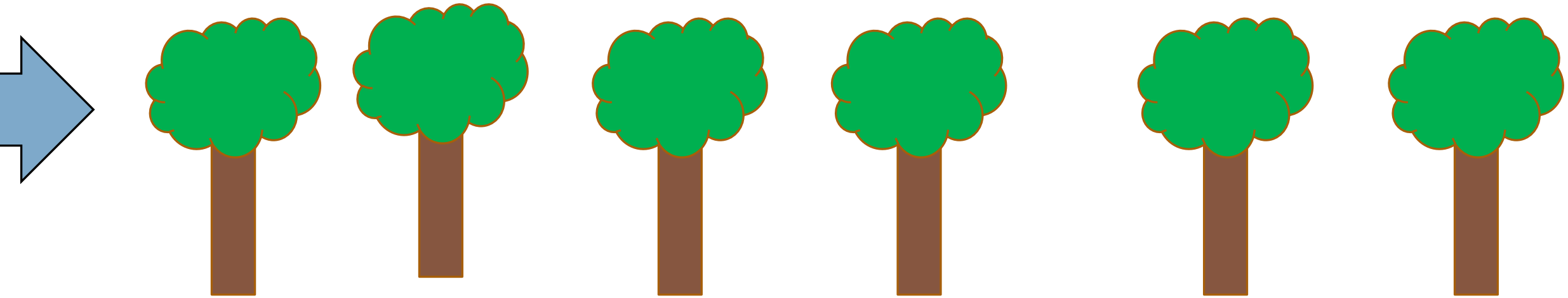
ISSUED: 5:00 PM, Thursday, December 17, 2020

How Strong was the Wind?

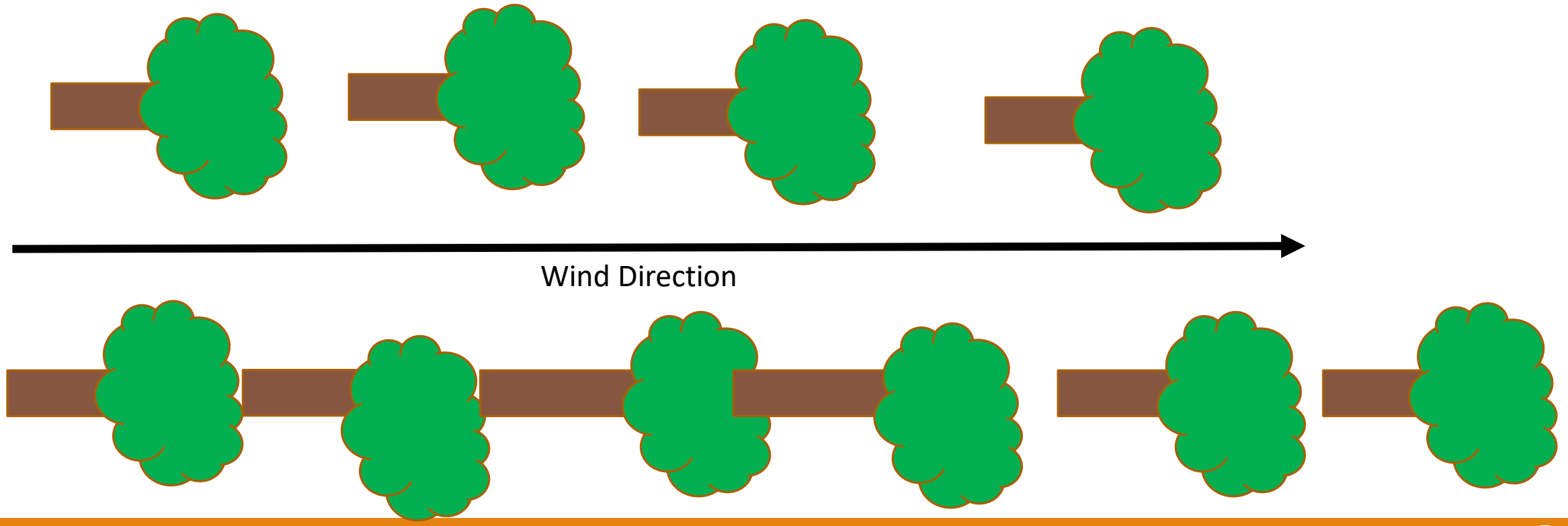
- Car ports can act like a parachute to catch the wind

Was This A Tornado?

Determining the Source of Damage



Determining the Source of Damage



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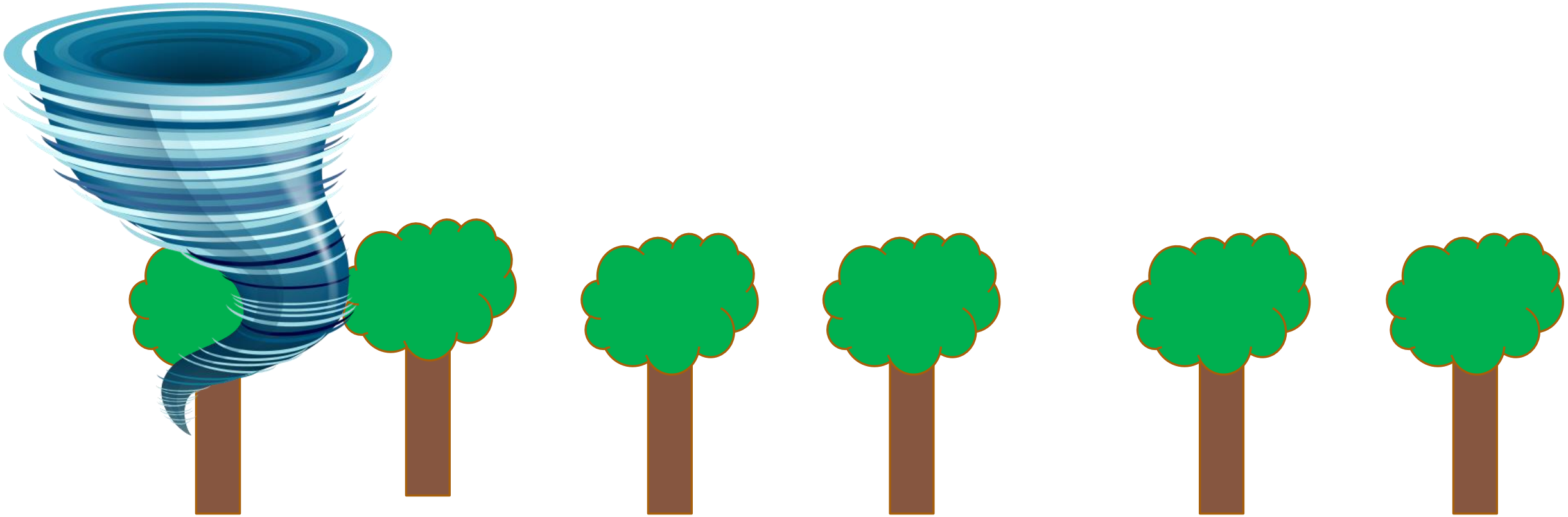
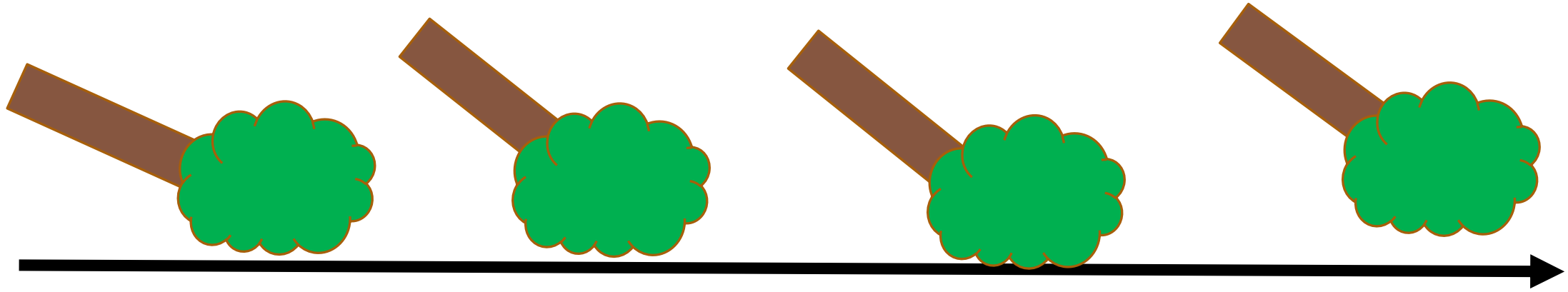
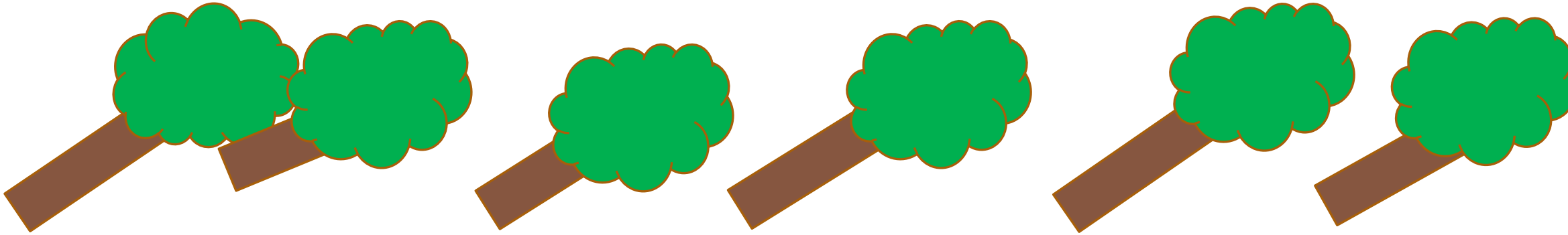
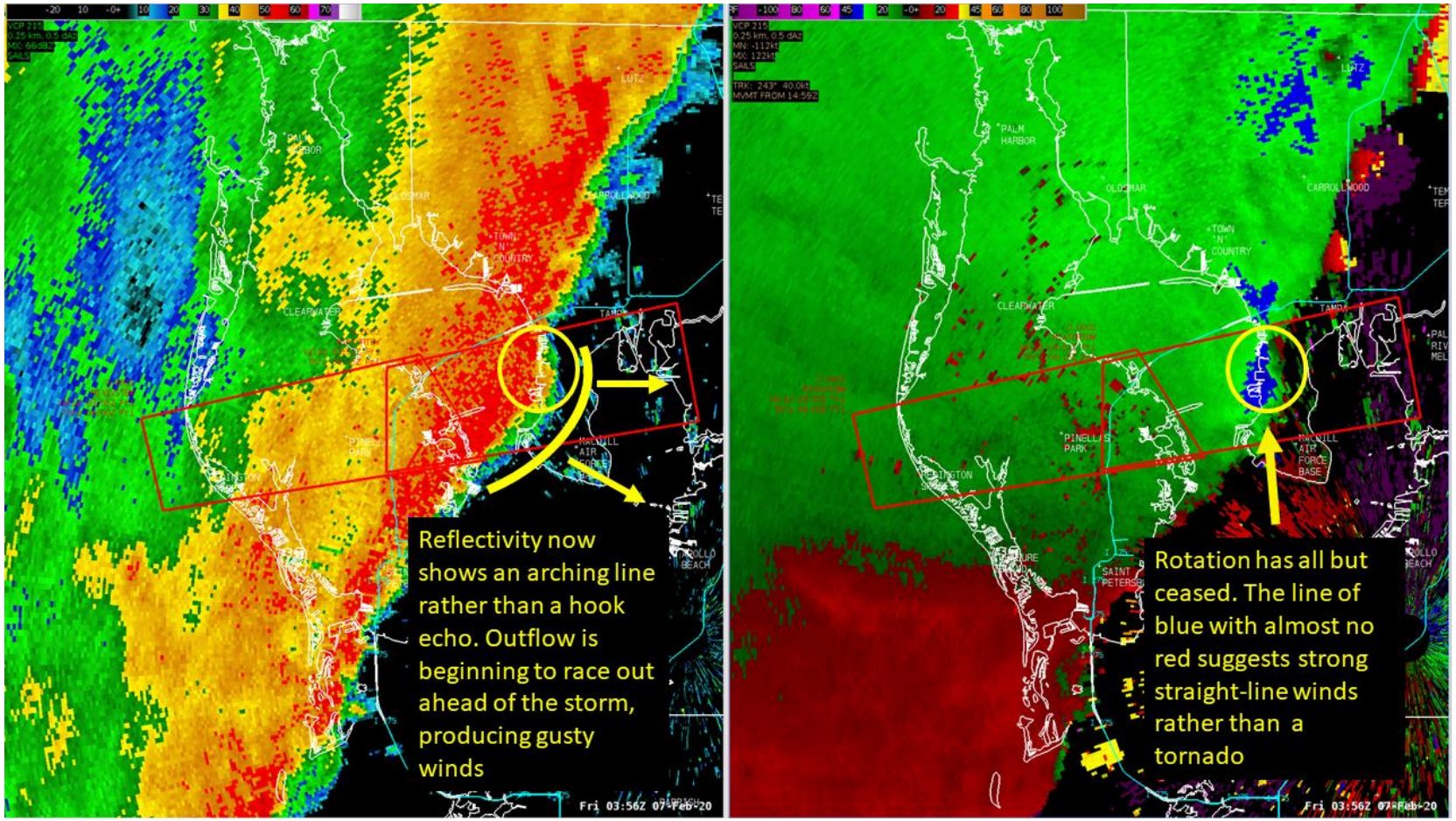


Determining the Source of Damage

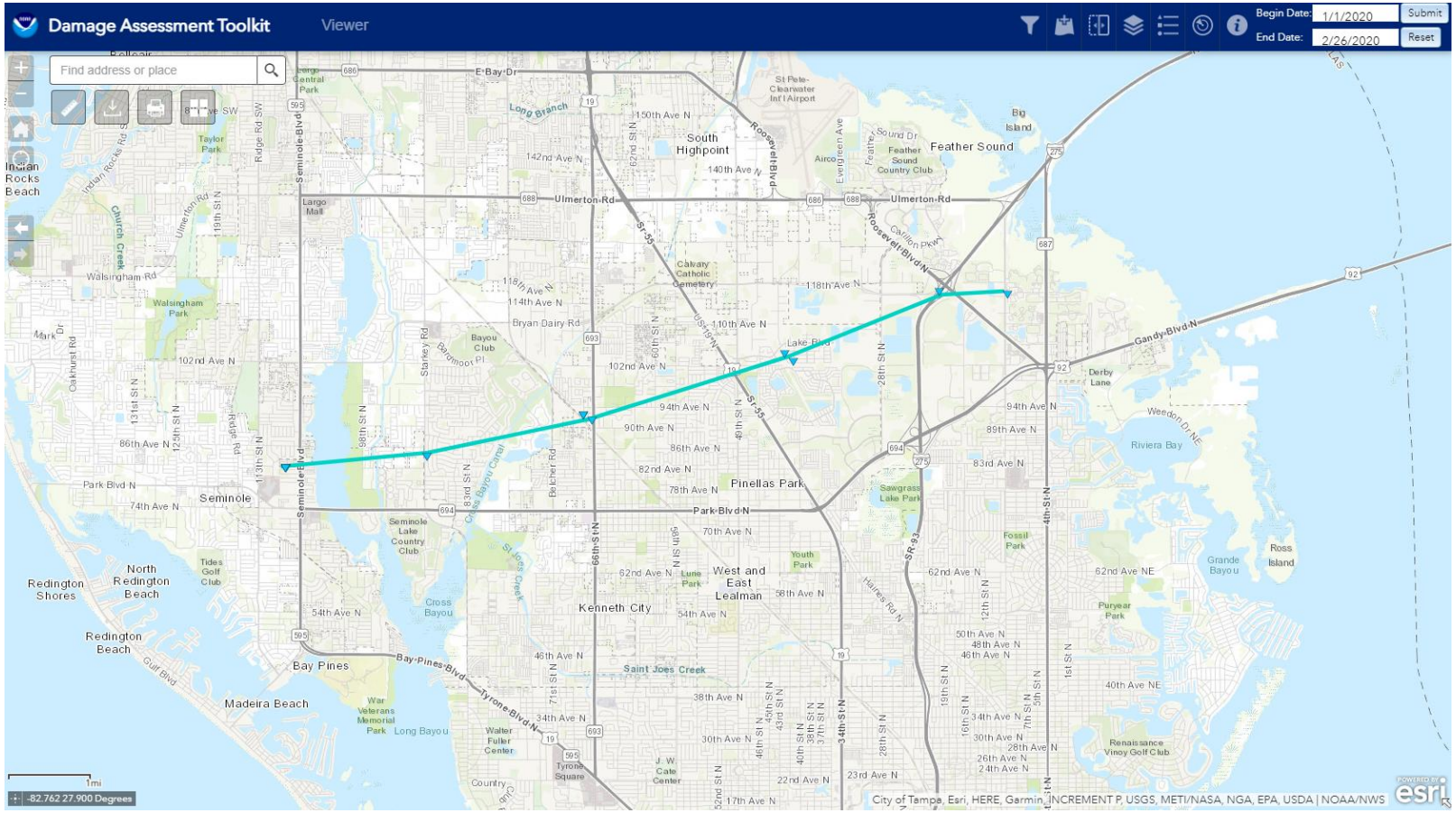




Correlating With Radar



The Damage Assessment Toolkit



https://apps.dat.noaa.gov/StormDamage/DamageViewer/

How You Can Help

Pictures!

Pictures!

Pictures!

Details describing what you see

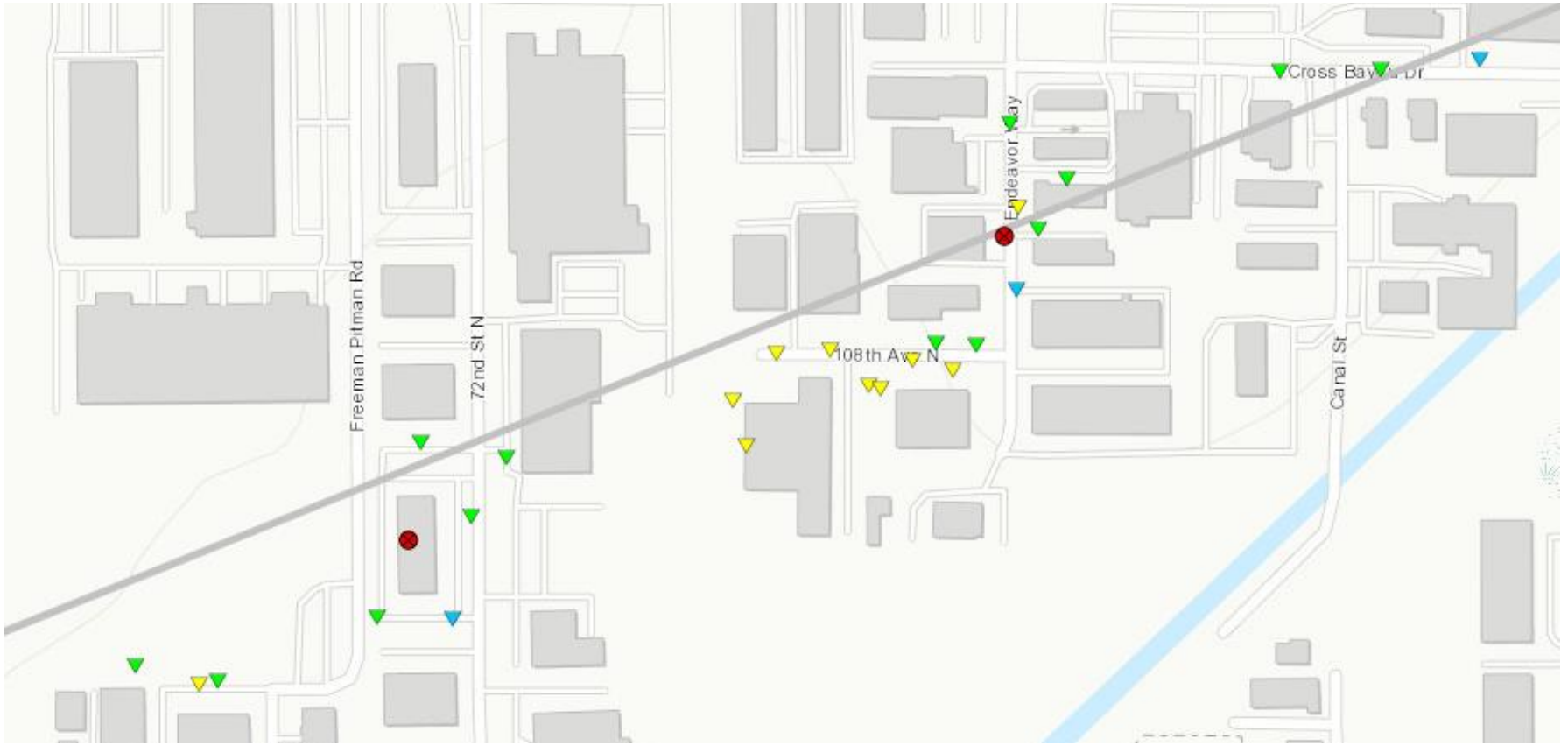
Location where damaged occurred

“Metal roof panels stripped from canopy”

“Damage converges towards central point along path”

April 20th, 2020 Citrus County Tornado (Credit: Paul Siddall)

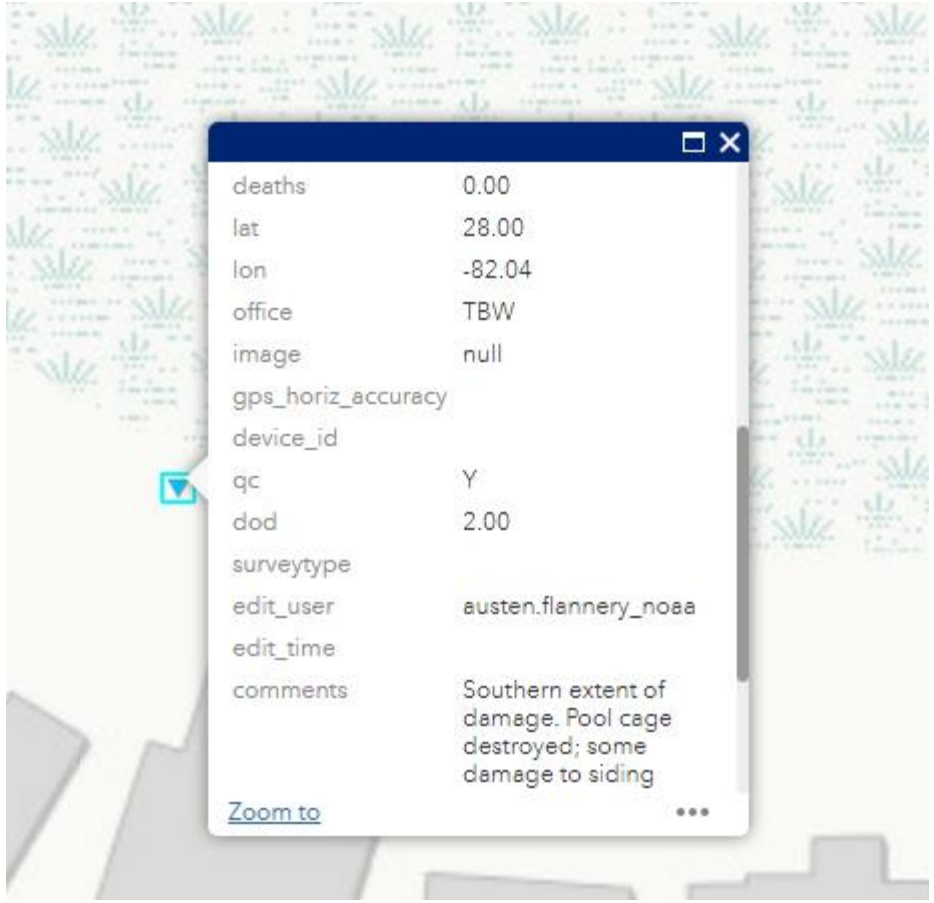
The More Detail the Better



Where Did Damage Start? End?

Important for determining the length of the damage

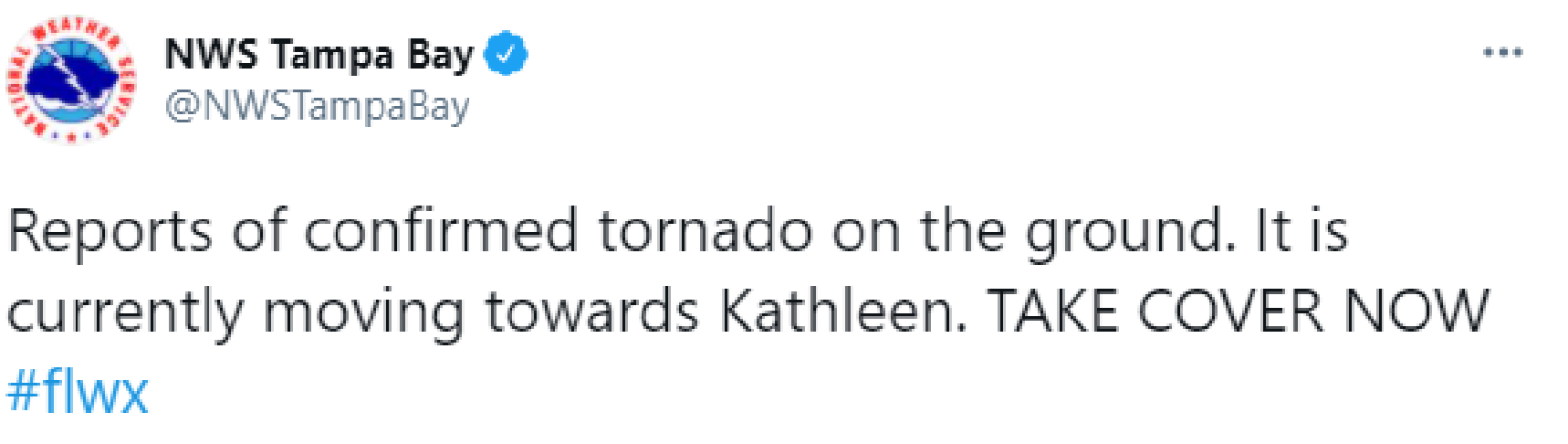
Can be correlated with what we see on radar



Most Importantly

Let us know what you know what you see, as soon as you can

The information is extremely important for us to accurately assess what happened, and determine if additional actions are needed



Questions?

Thank you for your time!

austen.flannery@noaa.gov