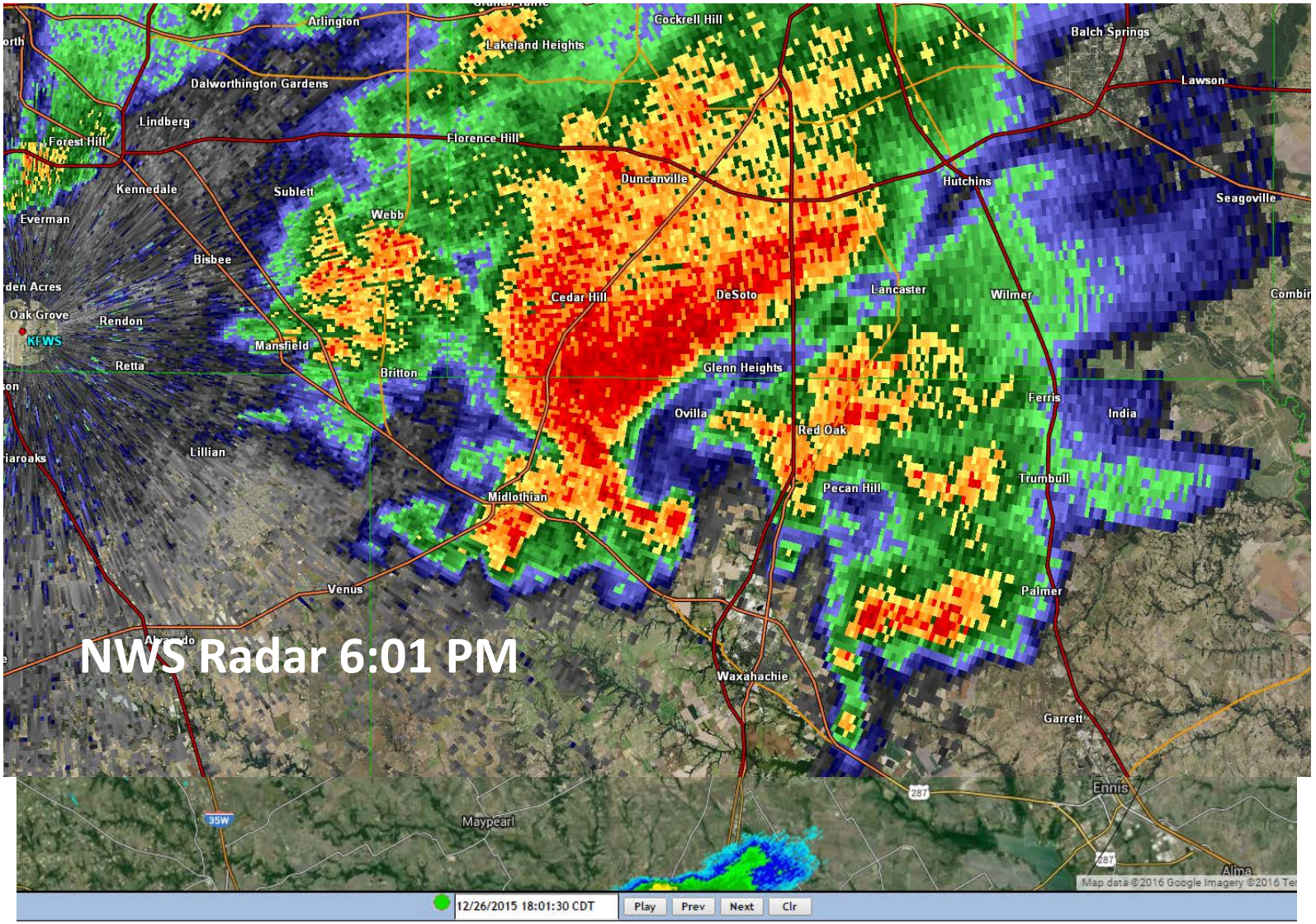
December 26th
CASA Radar Review



NWS Radar 6:01 PM

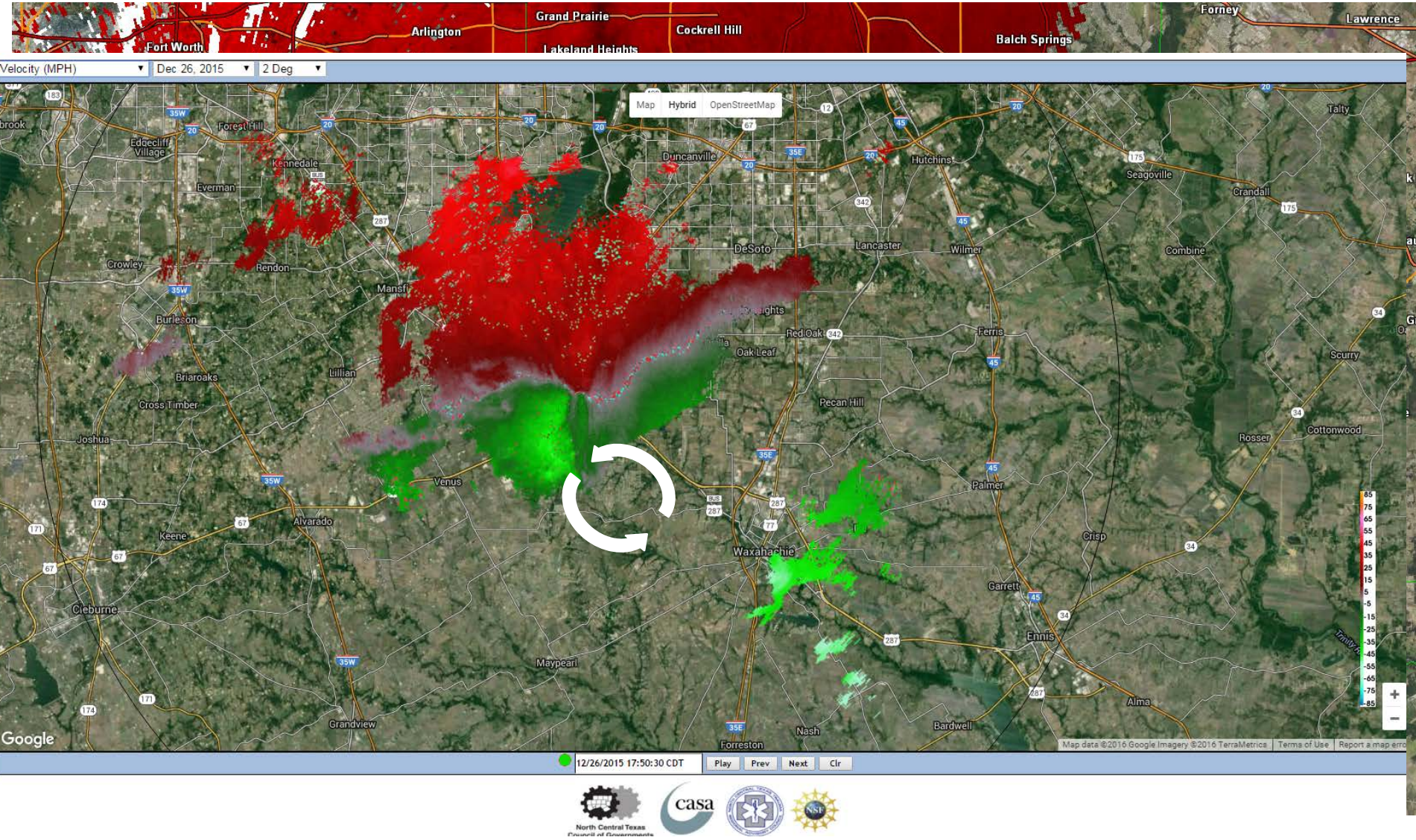
North Central Texas Council of Governments

casa

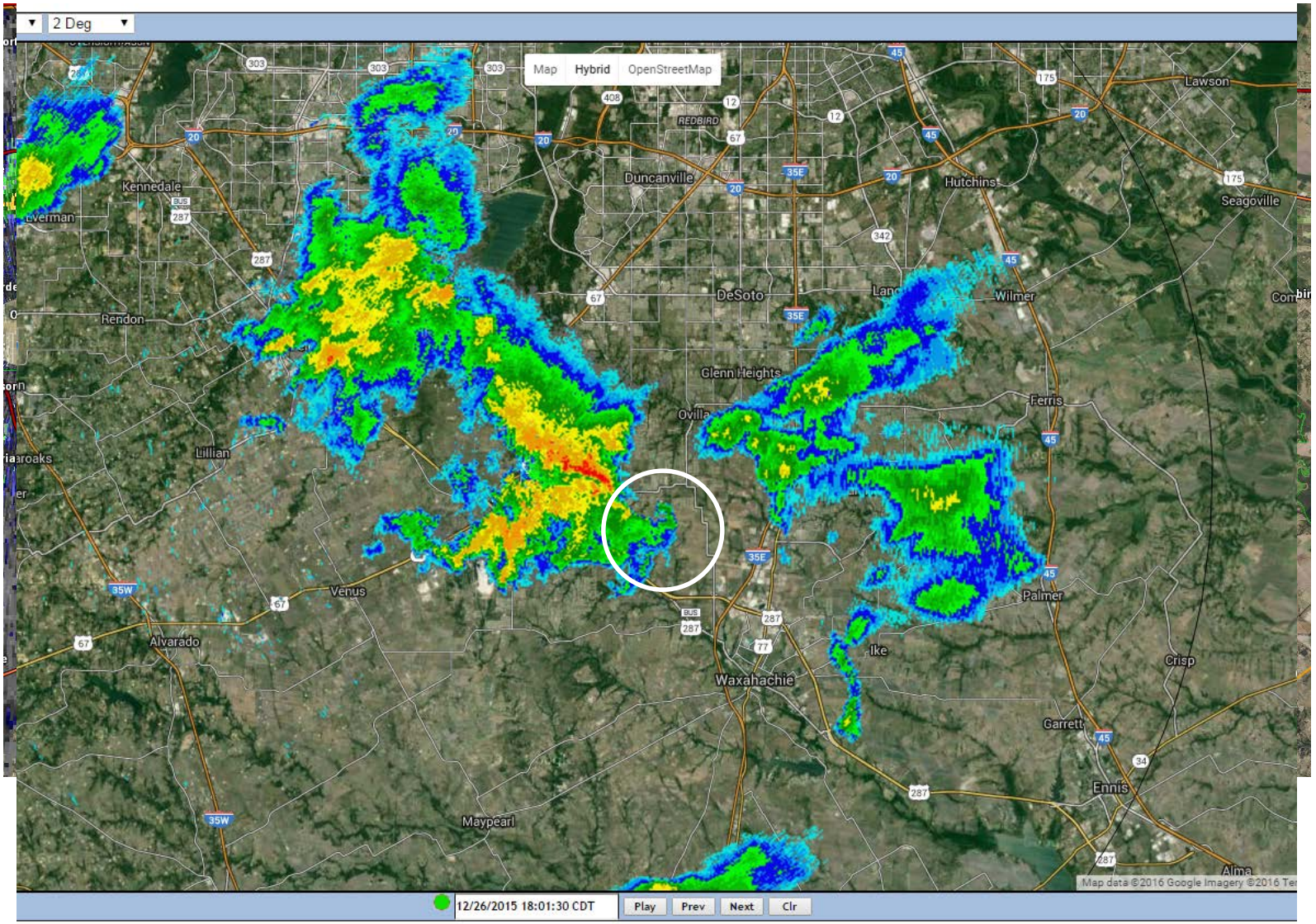
NWS Radar and CASA Radar are excellent tools, but they are different

- NWS Radar: Used to identify areas where hazardous weather is likely or favorable to develop

- CASA Radar: Used to verify or identify hazardous weather is actually occurring


Fort Worth
Arlington
Grand Prairie
Cockrell Hill
Lakeland Heights
Balch Springs
Forney
Lawrence
Velocity (MPH)
Dec 26, 2015
2 Deg
Map
Hybrid
OpenStreetMap
Talty
Edgecliff Village
Forest Hill
Kennedale
Everman
Duncanville
Hutchins
Seagoville
Crandall
DeSoto
Lancaster
Wilmer
Combine
Crowley
Rendon
Mansfield
Burleson
Red Oak
Ferris
Oak Leaf
Scurry
Briaroaks
Lillian
Cross Timber
Pecan Hill
Joshua
Rosser
Cottonwood
Venus
Palmer
Alvarado
Keene
Waxahachie
Crisp
Garrett
Cleburne
Ennis
Maypearl
Alma
Grandview
Nash
Bardwell
Forreston
Google
12/26/2015 17:50:30 CDT
Play
Prev
Next
Clr
Map data ©2016 Google Imagery ©2016 TerraMetrics
Terms of Use
Report a map error

Correct Order of Investigation



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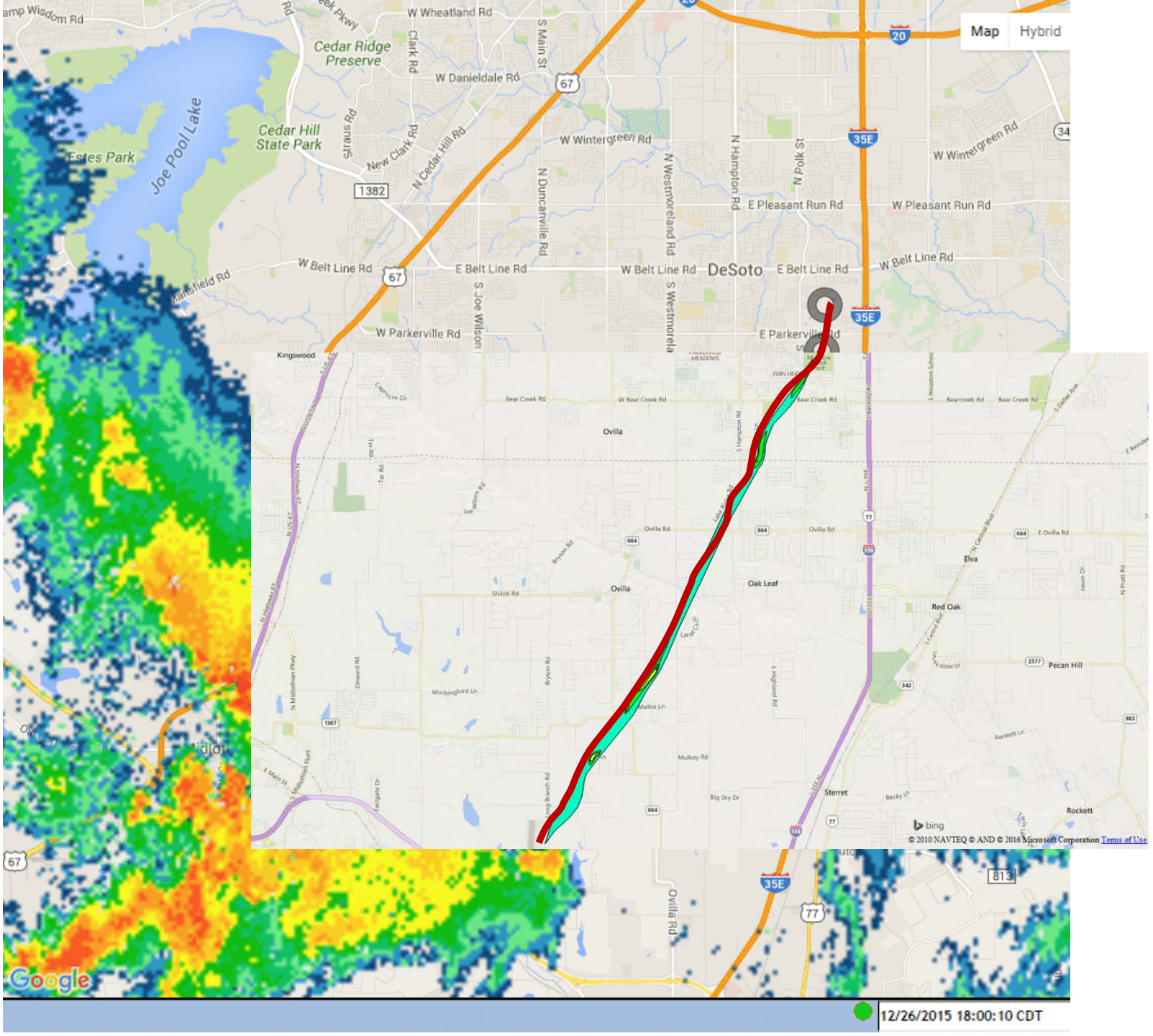
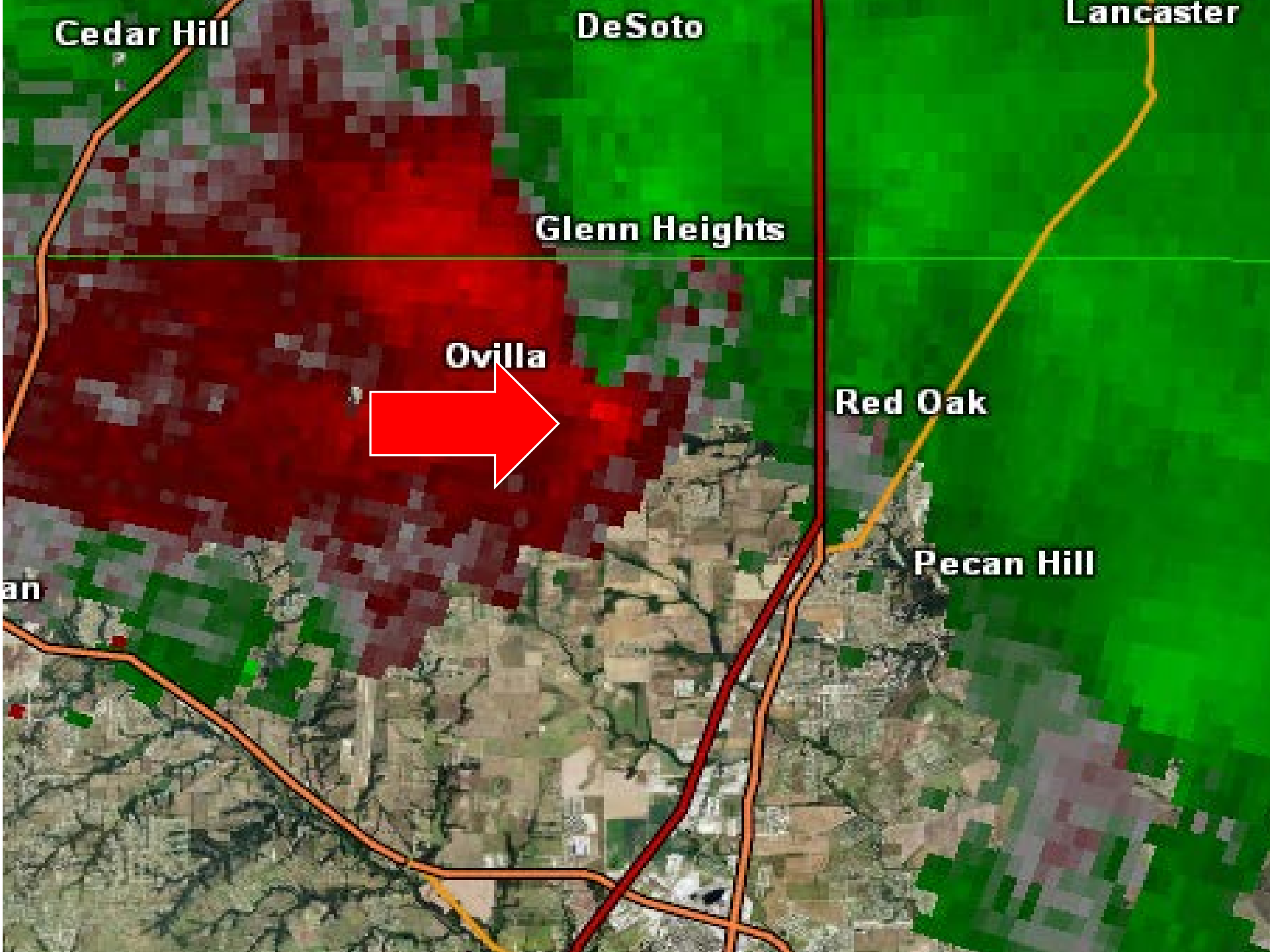
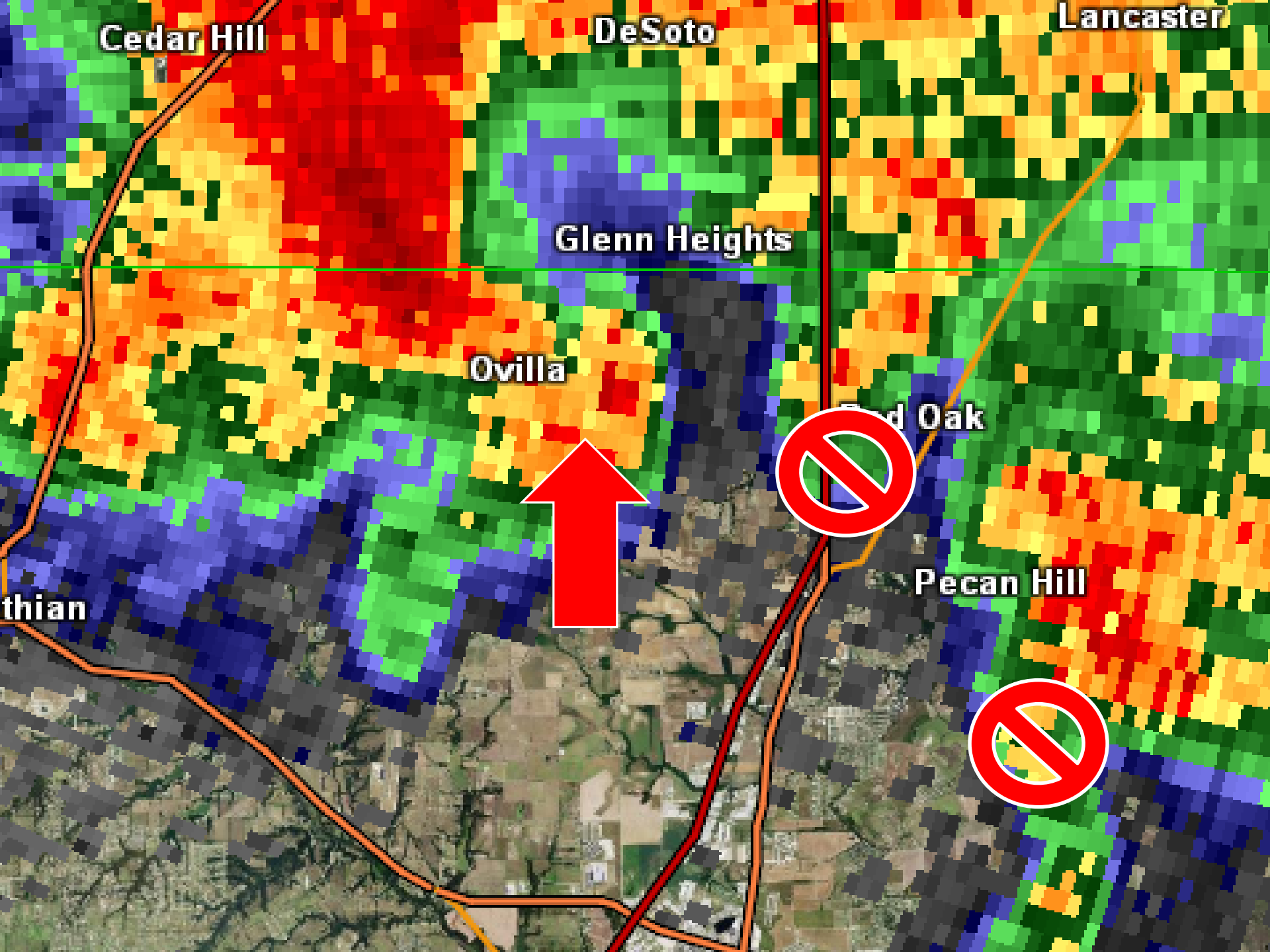

Map
Hybrid
Cedar Ridge Preserve
Cedar Hill State Park
Estes Park
Joe Pool Lake
W Wheatland Rd
W Danieldale Rd
W Wintergreen Rd
E Pleasant Run Rd
W Pleasant Run Rd
W Belt Line Rd
E Belt Line Rd
DeSoto
W Parkerville Rd
E Parkerville Rd
Kingswood
Ovilla
Oak Leaf
Elva
Red Oak
Pecan Hill
Sterret
Rockett
© 2010 NAVTEQ © AND © 2016 Microsoft Corporation Terms of Use
Google
12/26/2015 18:00:10 CDT


Cedar Hill
DeSoto
Lancaster
Glenn Heights
Ovilla
Red Oak
Pecan Hill

CASA Advantage With Tornadoes

- Radar Verification – We know it's happening
- We know the specific locations impacted down to street level
  - Could lead to several minutes of highly specific warning
  - Could allow rescue crews to be dispatched toward certain areas before emergency calls are received


Cedar Hill
DeSoto
Lancaster
Glenn Heights
Ovilla
Pecan Hill

- NWS is still learning how to interpret this radar data
- NWS does not expect the emergency management community to be able to interpret this radar data to find severe weather features
- NWS will provide assistance!
  - If we see something we will post our thoughts in NWSChat

Other hazards CASA can help identify

- High winds
- Heavy rain/flooding
  - Encouraging data shows that CASA rain estimates are very accurate and highly precise in certain areas and situations
- Hail detection
  - Street level precision of where the worst hail is falling

Coming Soon…

- More CASA radars = better quality network
  - Radar in NW Fort Worth transmitting data within days or weeks
  - Radar in Garland/Mesquite being installed next month
- Hazard displays for non-meteorologists

Summary

- CASA is still a new scientific tool that we are all learning how to use
- Be cautious when using CASA radar to diagnose a hazardous weather threat
- NWS is committed to learning the best practices and sharing these with CASA users