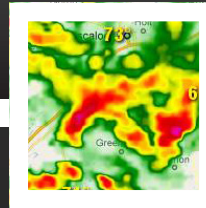


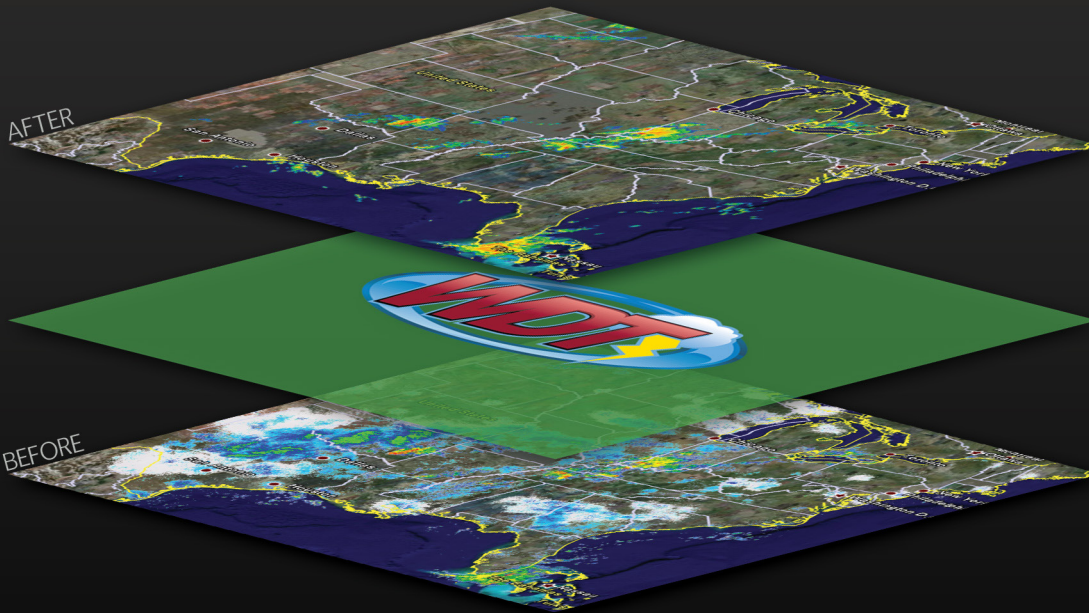


WEATHER DECISION TECHNOLOGIES

# World Class Weather Radar



Radar you can rely on



Real-time. Accurate. Everywhere.

Radar

# Highest Quality Radar Products

Real-time. Accurate. Everywhere.

WDT ingests all 155 US radars and all 30 operational Canadian radars available in full native resolution to provide superior products that are unmatched in the industry. Rather than relying on the low-resolution pre-generated products delivered by the government radar network, WDT has heavily invested in the infrastructure necessary to ingest and process the base form of radar data from the entire Weather Surveillance Radar-88 Doppler (WSR-88D) network in the Continental United States (CONUS), Alaska, Hawaii, Guam, Puerto Rico and the Canadian Doppler Radar Network. This advanced technique allows WDT to apply their most up-to-date, technologically advanced algorithms to provide superior quality radar data through the removal of false echoes, blending of multiple radars, and the generation of a broad range of derived products.

In partnership with the National Severe Storms Laboratory we have both the experience and expertise to offer the most comprehensive quality control of radar data and create seamless radar mosaics with the highest spatial (1 km) and temporal resolution (5 min) using state of the science techniques to quality control and optimally merge data from multiple radars.

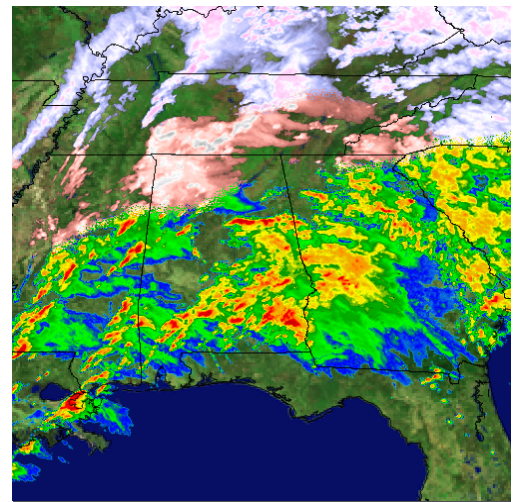
In advance of the upgrade of the NWS radar network to dual-polarization technology, WDT's Radar Technologies and Hydrometeorology Team is leading the way by implementing the latest algorithms for exploiting this new capability for automated hydrometeor classification, improved hail detection, and more accurate precipitation rates. Our clients and services will be the first in the nation to be able to take advantage of these capabilities.

## WDT's Radar Mosaic is the most powerful in the business:

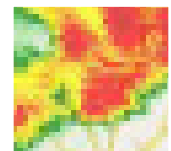
- The only mosaic available using WSR-88D Level II and all 24 elevations of Canadian radar data
- The option to display by color coded precipitation type (rain, snow, mixed) using WDT's proprietary conditional precipitation type algorithm that uses rapidly updated numerical weather prediction forecasts from its operational modeling system combined with a proprietary conditional precipitation type algorithm. The algorithm provides greater than 96 percent accuracy for rain vs. snow.
- Seamless 1 x 1 km resolution
- Real-time rapid update
- Highest quality Radar Quality Control
- Spherical interpolation for smoothness and consistency
- Time/Distance weighting for blending multiple radars
- WDT has been providing weather radar data to our clients since 2001, using the "iRADS" program from the University of Oklahoma and directly from Environment Canada. iRADS operates a 24/7 manned fully-redundant data center that guarantees data from all CONUS radars with less than a 10-second delay.
- WDT Radar is backed by its world class Data Center, featuring multiple redundant storage systems which are monitored proactively each day, ensuring our radar customers receive the highest available level of support and uptime.

## Full North American Content

- WDT receives a raw radar data feed directly from Environment Canada, and utilizes all 24 elevation angles from the 30 C-band Doppler radars
- Weather does not stop at the border, and neither does our WDT data!



Radar you can  
rely on...



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