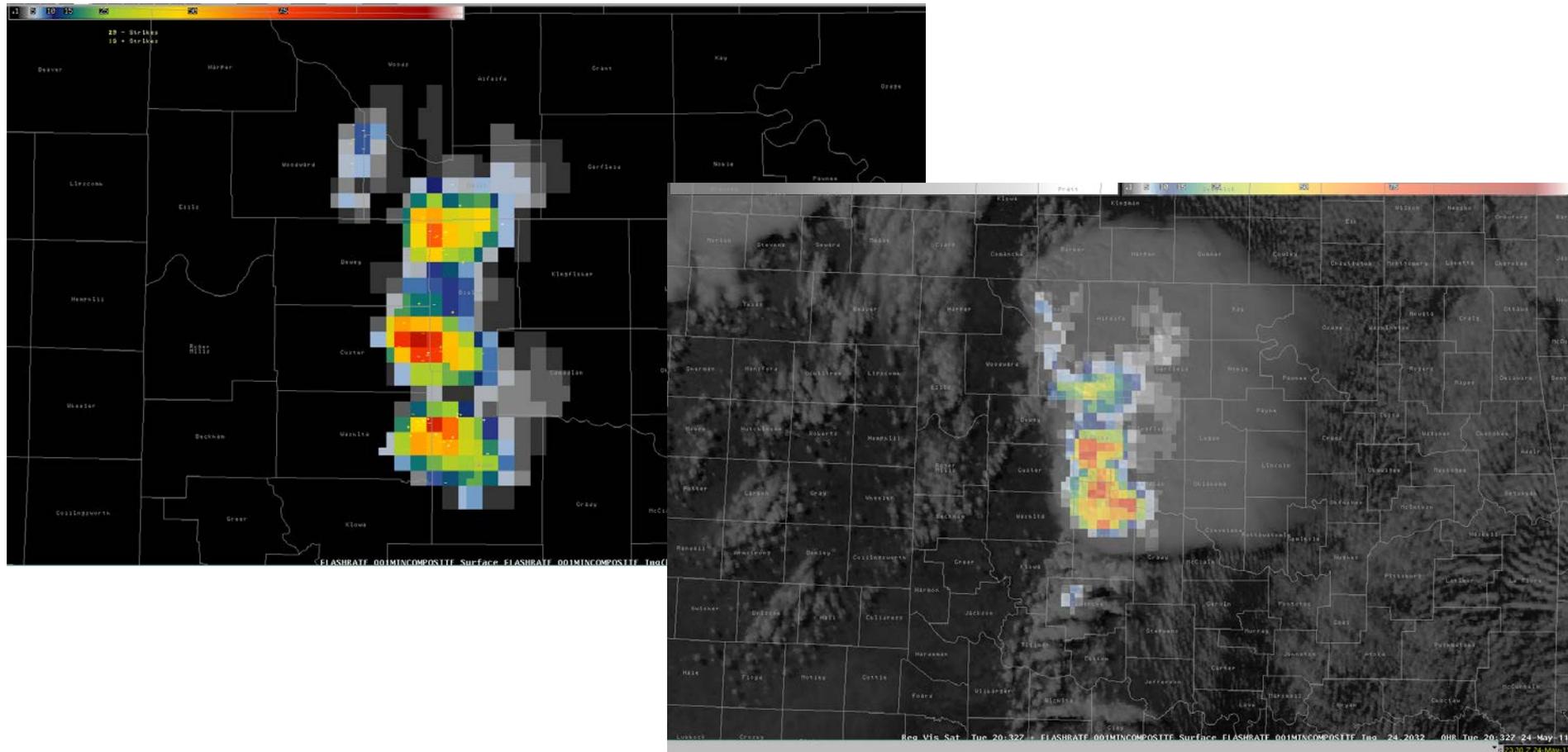


# Forecaster Training for HWT

- Current: Articulate (via NASA SPoRT)
  - Previous: intro ppt on arrival Monday
- Two events in Warning Event Simulator (WES)
  - 19 May 2010 (used in 2011 / Monday)
  - 24 May 2011 (used in 2012 / 2013, b4 arrival)
    - Central Oklahoma Supercell Storms

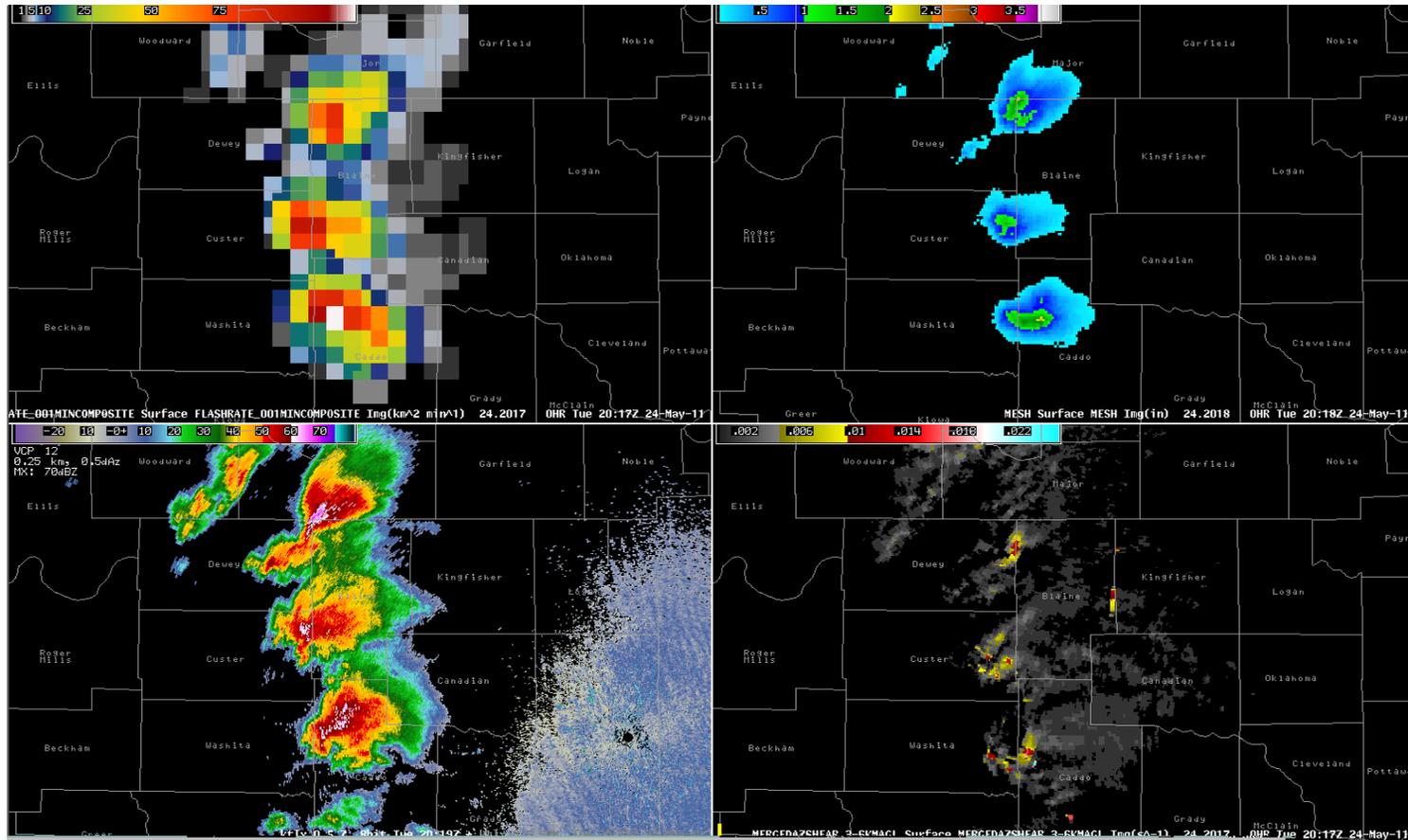
*Objective: To understand and use gridded lightning data for situational awareness and diagnosing storm intensity.*

# WES jobsheet: Total lightning vs cloud-to-ground (CG) lightning



- At what time do you see the first evidence of lightning in any of the storms in Oklahoma? What county? \_\_\_\_\_ UTC \_\_\_\_\_
- What time does the first CG flash occur with this storm? \_\_\_\_\_ UTC \_\_\_\_\_

# WES jobsheet: Lightning combined with multi-radar MESH and single Radar data



- Examining this same time (2017 UTC) within AWIPS, use sampling to determine:
- The maximum flash rate: \_\_\_\_\_ (flashes per grid box per min)
- The maximum expected size of hail: \_\_\_\_\_ (inches)

# Additional training available

- Via Bruning / TTU
  - COMET modules
  - Quick-reference guides
- Via Warning Decision Training Branch (WDTB)

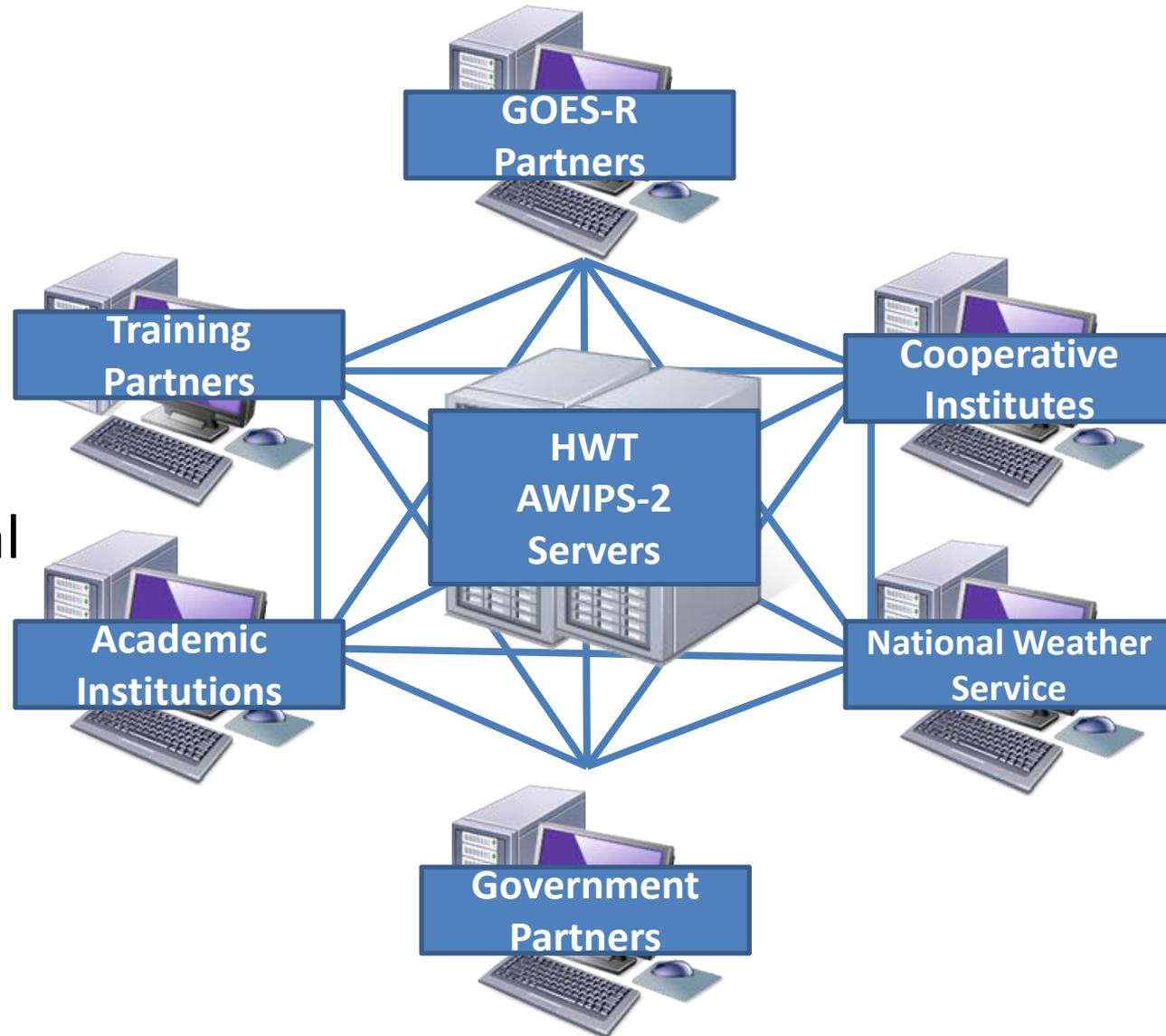


# AWIPS-2 Thin Client

- Allows for a variety of end-users to remotely display AWIPS products
  - No local AWIPS-2 decoding environment needed
- Current end-users
  - Aviation meteorologists (CWSUs), Incident Support Meteorologists (IMETs), National Centers (NCEP), Hydrologists (RFCs)
- Don't think of Thin Client as just a display tool, think of it as a collaboration tool

# The HWT Thin Client Framework

- Venue for visualization of ideas
- Head start on AWIPS-2 integration
- Uniform graphical display of products
- Let the HWT system do the heavy lifting



# First Implementation Test: Lightning Jump Algorithm

- Provide real-time viewing of lightning data and prototype products in AWIPS-2
- Allow product developers and NWS forecasters to view same datasets and provide feedback simultaneously
  - Quick feedback without a travel budget!
- New products immediately accessible for evaluation

