

CHARACTERIZATION OF PRECIPITATION FEATURES IN THE SOUTHEASTERN UNITED STATES USING HIGH SPATIAL AND TEMPORAL RESOLUTION QPE DERIVED FROM THE NATIONAL MOSAIC AND MULTI-SENSOR QPE (NMQ/Q2)

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Outline

- **NMQ Reanalysis:** 1998-2010 for a pilot domain (9 NEXRAD)
- **Precipitation:** Seasonal, daily, hourly, by event
- **NMQ Comparison with:**
 - TRMM Satellite products (2A25, 3B42)
 - Rain gauge data (70 RG in dense Network)
- **Conclusion and Future work**

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National Mosaic and Multi-sensor QPE (NMQ/Q2)

- Developed at the National Severe Storms Laboratory (NSSL)
- Estimates of Precipitation
 - Primary surface Radar based
 - Incorporates RUC model data and gauge networks
- Represents significant step in resolution

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