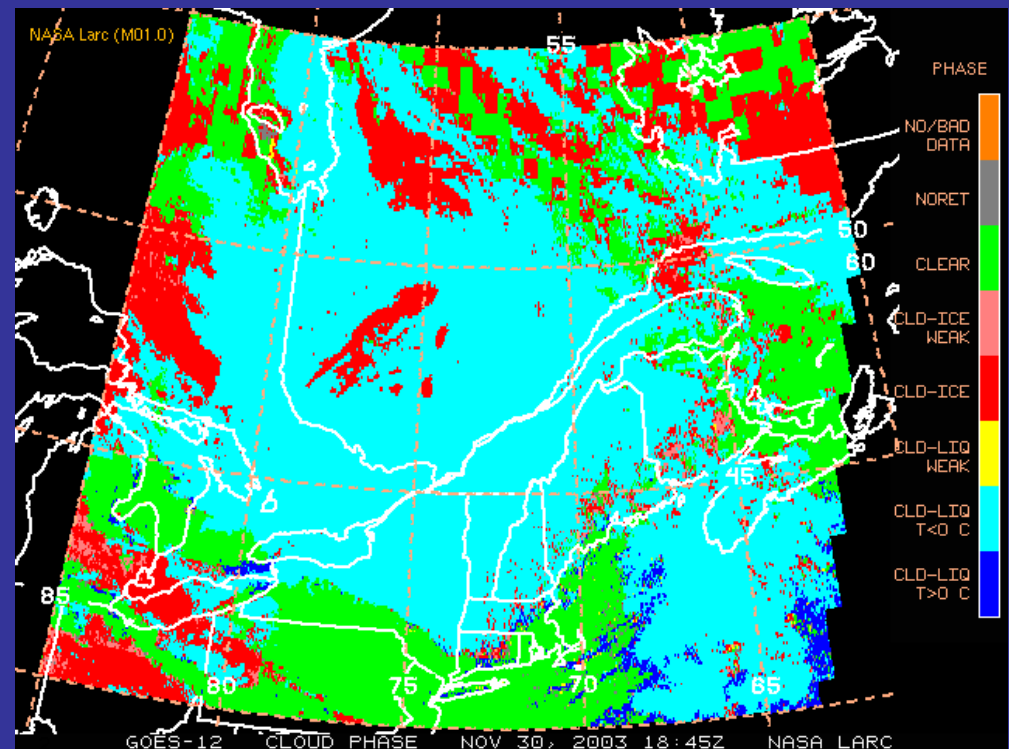


# Overview of the ASAP Icing Project at NCAR

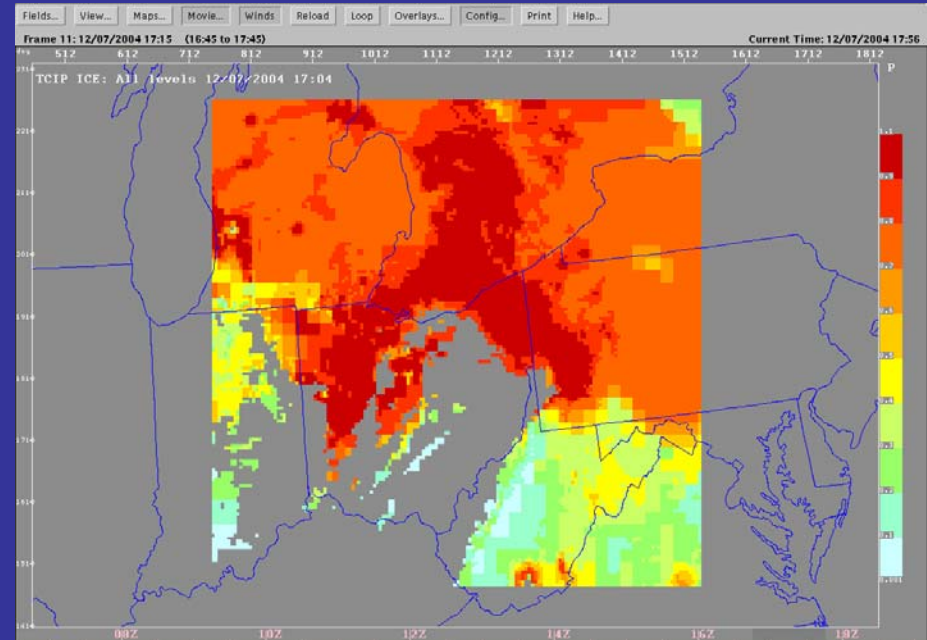
- Objective: integrate NASA LaRC cloud products into the NCAR Current Icing Potential (CIP) system
  - Validation efforts (LaRC cloud products and CIP)
  - Integration of GOES products into high resolution CIP
  - Provide feedback on algorithm performance wrt to icing detection



Cloud phase Nov 30, 2003 1845TUTC

# High-Resolution CIP

- **Has 5-km horizontal resolution**
  - Makes better use of higher-resolution (<20km) satellite and radar data
  - Model data interpolated to each grid point
- **Series of Tech Transfer Steps:**
  - Currently in *test* mode
  - Going to *experimental* May'07
  - Finally *operational* May'09



- Ample time for incorporation of NASA LaRC Cloud Products
  - Use NCAR-available GOES data and apply NASA LaRC algorithms (long term); obtain products directly from LaRC (interim)
  - Convert files to “mdv” format (internal CIP format)
  - Decide *how* to use – fuzzy logic approach?
  - “Speckle” issue – fields need to be smoothed?