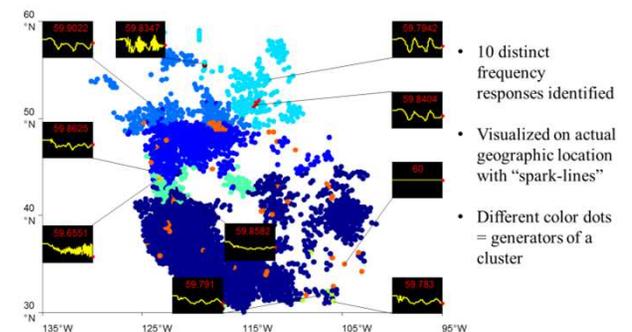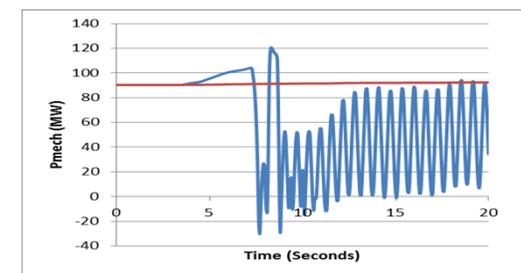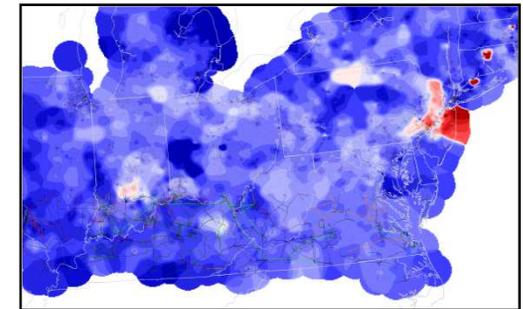# Operational and Decision Support Day 1 Recap

Decision Support Day 1 Topics

- Our focus is centered on control room and engineering support technologies, though not exclusively
- Current systems work fairly well for the >99% of time during routine operations, plus relatively small contingencies
  - There is time to work problems
  - Existing decision support systems are not perfect, but incremental progress should be sufficient

Decision Support Day 1 Topics, cont.

- Much embedded models and data in existing systems, need better ways to help people know when there is suspect results

- Considerations between standardization and customization
  - Experienced versus more novice people

- Different display metaphors may be useful

- 10 distinct frequency responses identified
- Visualized on actual geographic location with "spark-lines"
- Different color dots = generators of a cluster

Decision Support Day 1 Topics, cont.

- Need focused attention on responding to extreme emergency situations ("Black Swans")
  - How fast should we expect operators to respond?
  - Automation, but concern when automation fails
  - Needs to be considered in software/visualization design (i.e., how to handle thousands of violated contingencies)
  - May be good way to get new visualizations into control room
  - Meta-cognition: Knowing how we make decisions
- Need results published in power journals! Also, need to continue to build community