Web Interface Development for Millstone Hill Incoherent Scatter Radar

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Outline

- Background
  - Madrigal: repository for scientific data
  - Why build another interface?
  - What should that interface do?

- A guided tour
  - Searching
  - Plotting
  - Printing
Background

- Madrigal—a scientific database
  - A generalized interface
    - Deals with multiple instruments
- Construct an interface for Millstone Hill
  - Search by:
    - Date range
    - Geographic region
    - Experiment type
Technical Issues

- Speed and usability:
  - Makes only one request from server
  - Does all searching and sorting on user’s machine
  - Simple; requires no additional knowledge to use
A Guided Tour
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