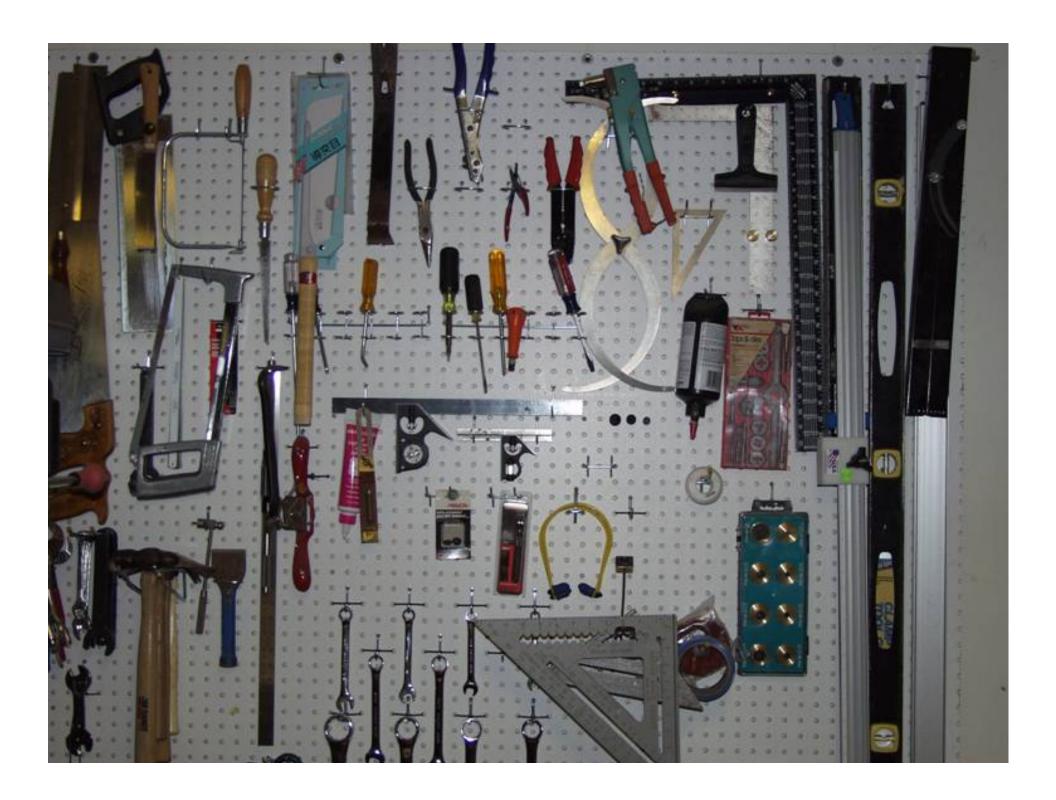
Radar Data and Analysis Software Tools

Sandra Yuter, North Carolina State University
Wen Chau Lee, NCAR EOL

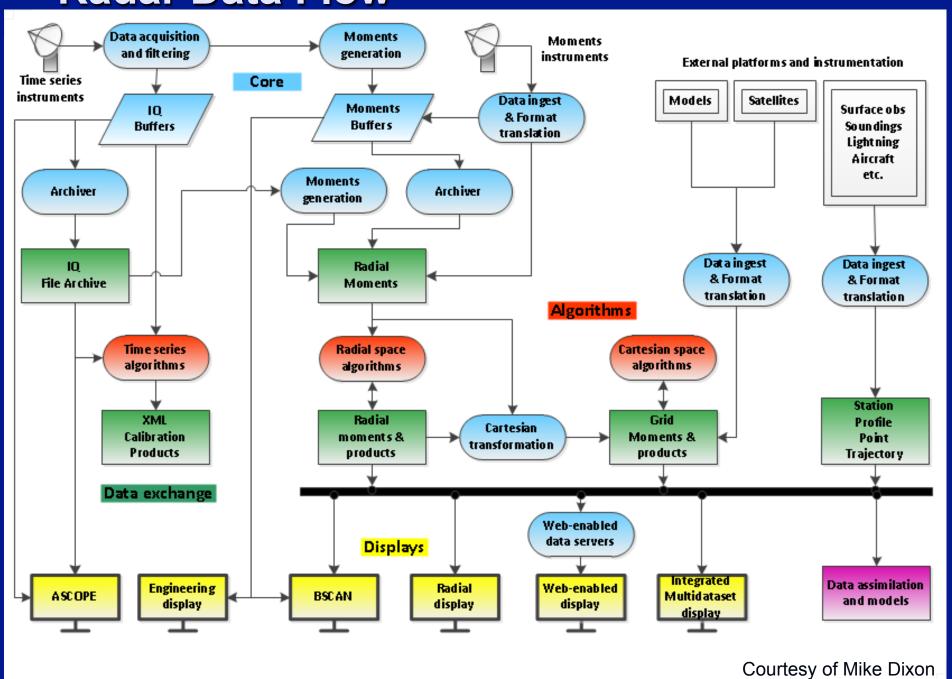
28 November 2012

NSF Community Workshop on Radar

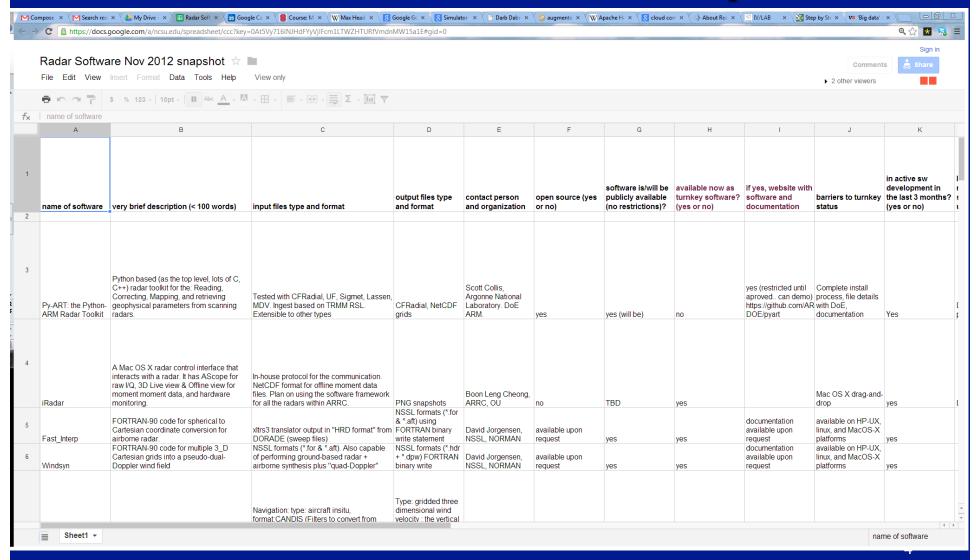
Technologies



Radar Data Flow



Wide Community Response to Radar Software Snapshot



Broad categories

- Format conversion
- Quality control
- Radial to Cartesian transformation
- Radar control
- Perusal/Visualization
- Data Integration using multiple sensors/models
- Multi-Doppler wind synthesis
- Variety of other products (e.g. hydrometeor id, precipitation estimation, data assimilation)

What is missing?







Goal: Where are the gaps? What are the community priorities?

What is missing? What functionality (from input to output) in radar software would you like to use in the next 3 years that is currently either not easy to use or not available? Part 1: Data capture

- 1. Consider the question individually for 3 min
- 2. At the signal, form groups of 5-6 people
- 3. Go around the group once, 1 minute per person, listen to everyone without comment/interruption
- 4. Work as a group to clearly express your responses in bullet form on giant Post-it notes, there will be a 2 min warning to finalize your group's materials and post on the wall

Part 2: Gallery Walk

- 1. Take time to circulate around all posters and review the ideas and seek to identify
 - priorities for your personal research
 - priorities for the community
- 2. Pick up 4 stickers of each color (blue, red)
- 3. "Vote" for your priorities by placing stickers on the individual items.
 - Blue for your personal research
 - Red for the community as a whole

After this meeting, the results will be tabulated and available for further comment and finalized in January as part of a report to NSF.

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