"3D Wind Mode"

Overview
- Small sample area, 5 minute update time
- Concerned with high-resolution and constrained retrievals over other instrumentation
- More interested in statistical sample of wide variety of storms
- Spatial representation of bulk microphysics and dynamics

Science Questions
- What are the profiles of updraft width associated with different types of storms?

- How well are downdrafts characterized by traditional dual-Doppler wind retrievals?

- What are the statistical distributions of updraft and downdraft sizes, widths, and strengths over a large sampling of different storm types, including cold-season precipitation?

- What is the relationship between surface precipitation, 3D wind flow, and bulk microphysical processes in a variety of storm types?

Proposed XSAPR PPI elevation angles