

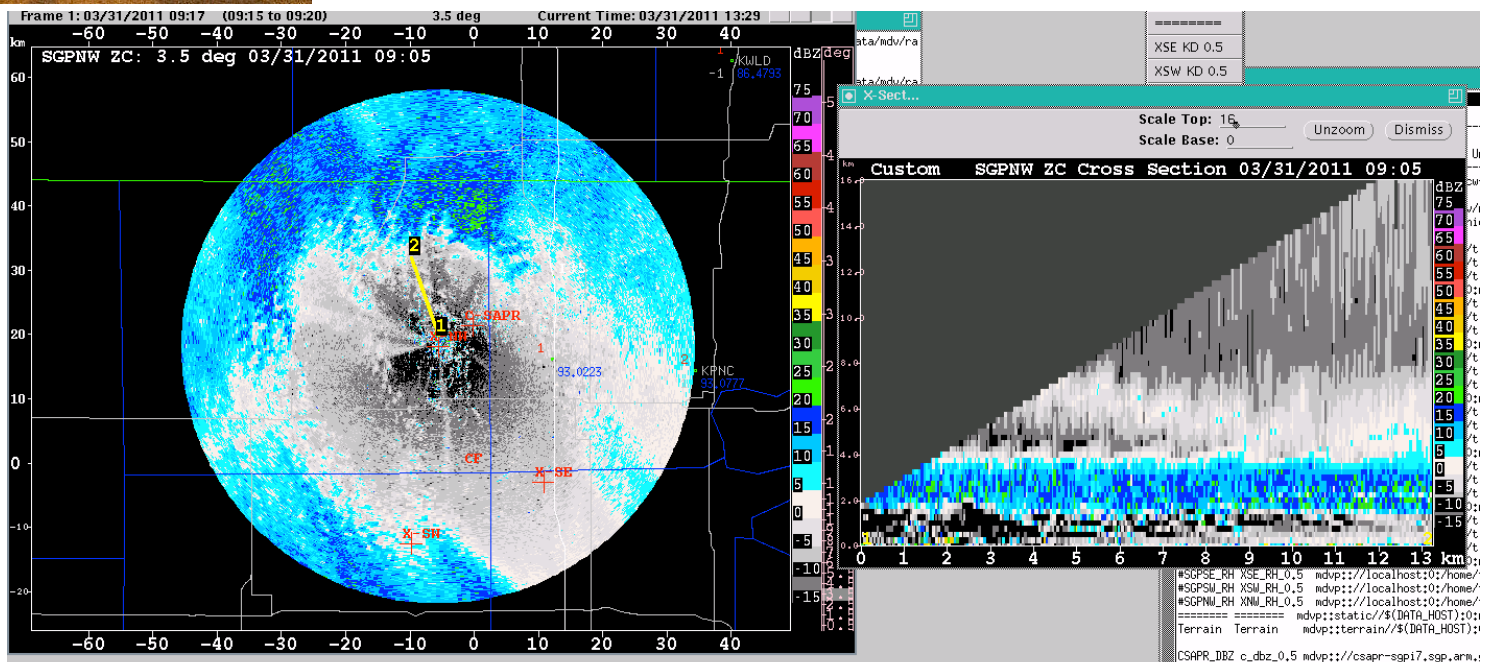
Precipitation radars for climate science

Plans for producing Value Added Products from the Scanning ARM
Precipitation radars.

X-SAPRs



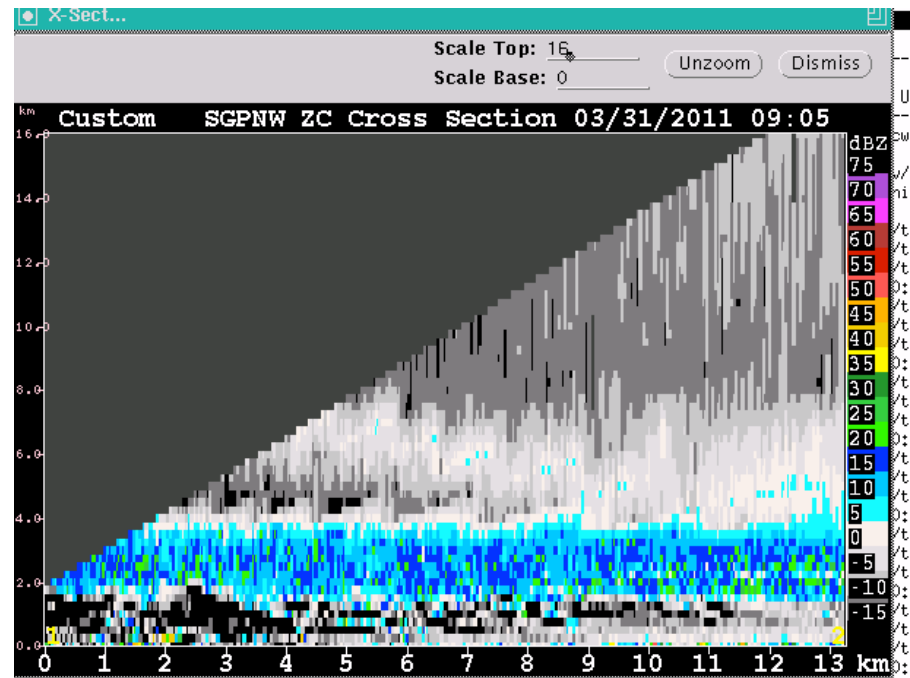
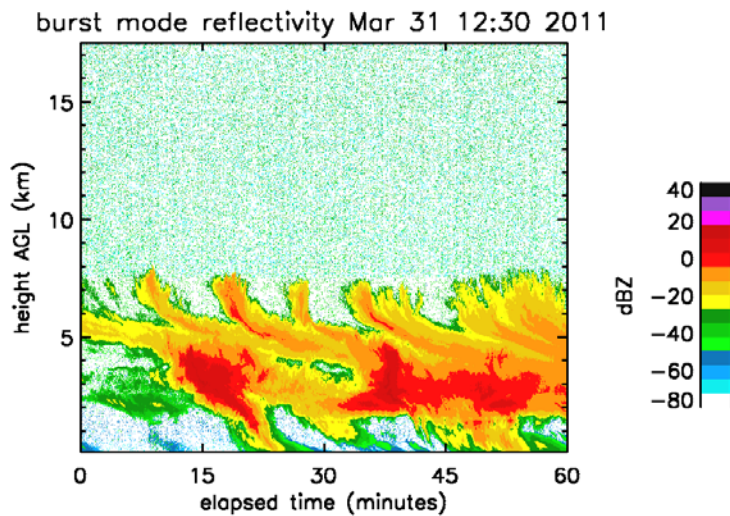
- Barrow and three at SGP
- Dense volume coverage pattern
- Range ~ 40km
- 6 minute scans



X-SAPRs



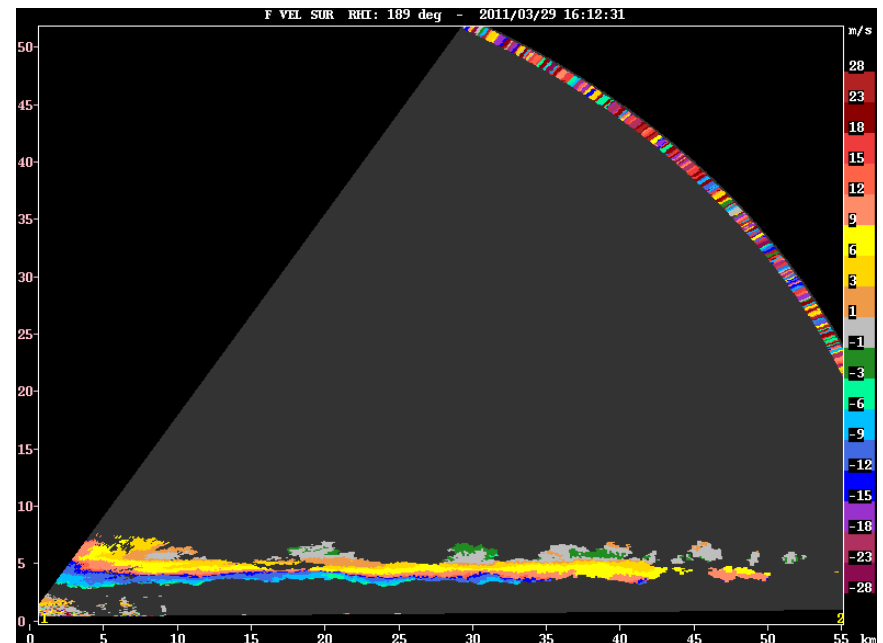
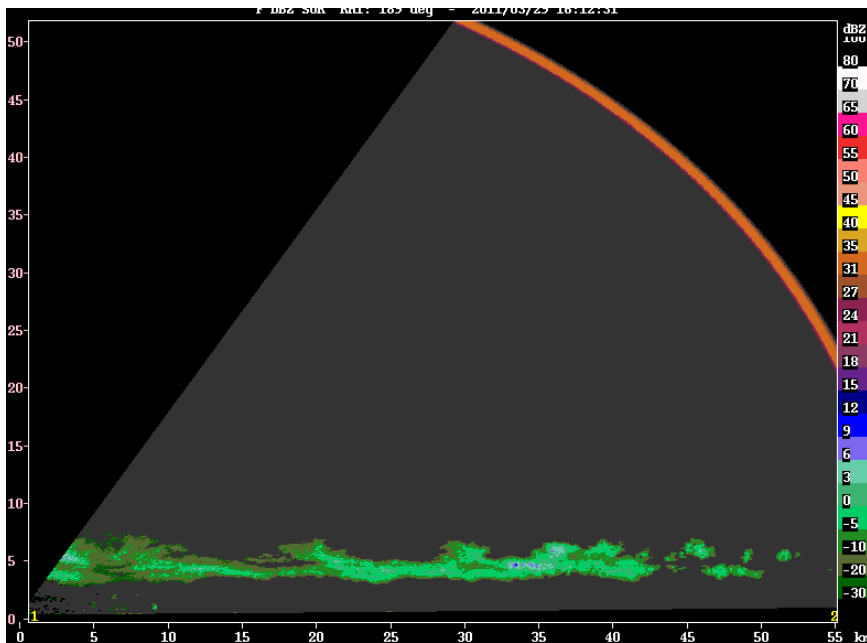
- Barrow and three at SGP
- Dense volume coverage pattern
- Range ~ 40km
- 6 minute scans



C-SAPRs



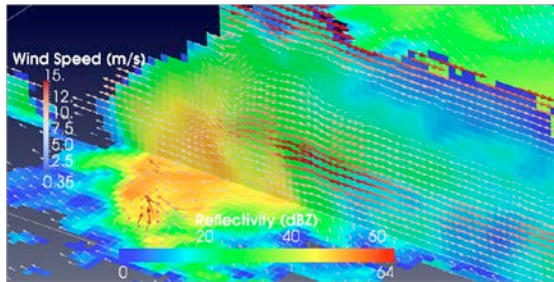
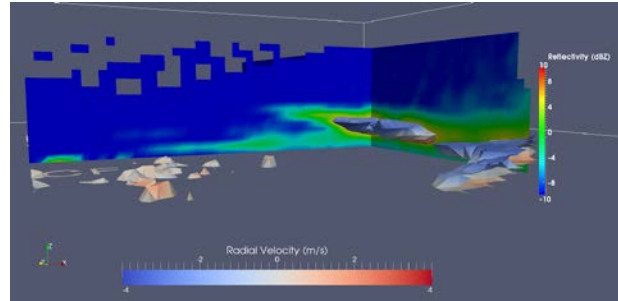
- Manus and SGP (and CPOL at Darwin)
- Prime source for QPE and microphysical insight
- Range ~100km
- 10 minute scans



Planned radar products

- Native geometry volumes in native format available at the archive
- We are happy to work with users to access the data in other formats
- First Evaluation gridded radar moments should be hitting the archive soon.
- At the SGP moments will be co-gridded with the CF at the origin (so taking [0,0,:] will give you a comparison with profiling instruments)
- Evaluation products are exactly that. In an effort to get timely data to the working groups and science community products will be released early in the development lifecycle with the understanding that users work with us.

Evaluation VAPs planned



Microphysics

