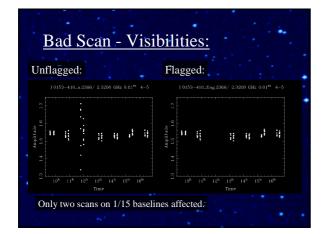
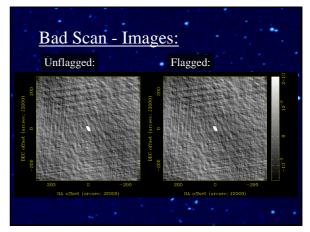
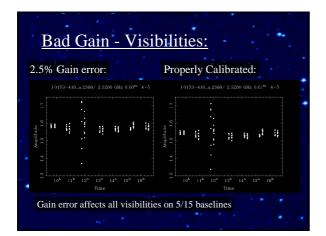
Image Error Analysis

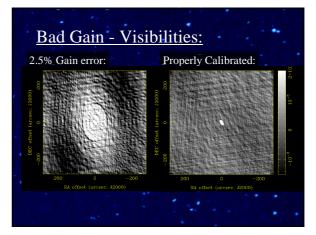
- Fourier-domain analysis of errors.
- 2-D Fourier transform concepts
- Examples of errors in UV-plane and image plane.
- Some common ATCA image errors.

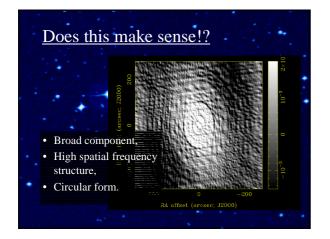
Errors occur in the visibility (uv) domain. These errors are Fourier transformed into the image.

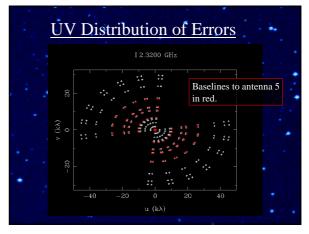


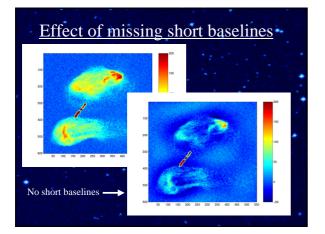


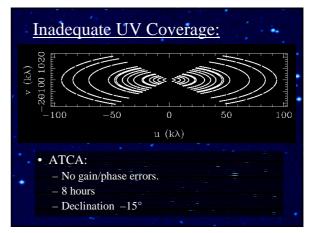






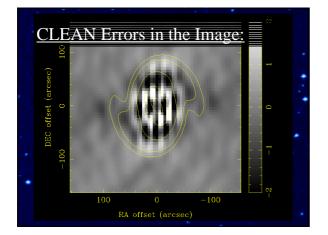


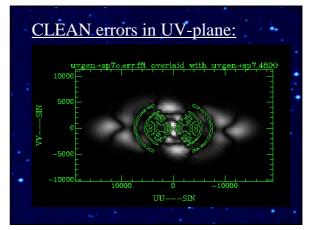


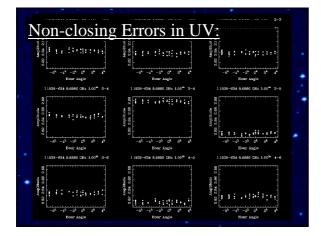


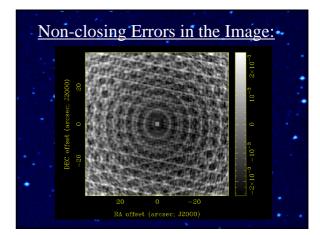












Other things to consider:

- Check your calibrators!!
 Resolved
- Intra-day variability!
- Elevation dependent gains - Esp. atmospheric opacity at high frequencies.
- Primary beam
 - Images attenuated away from image centre.
 Antenna gain very sensitive near half-power.

