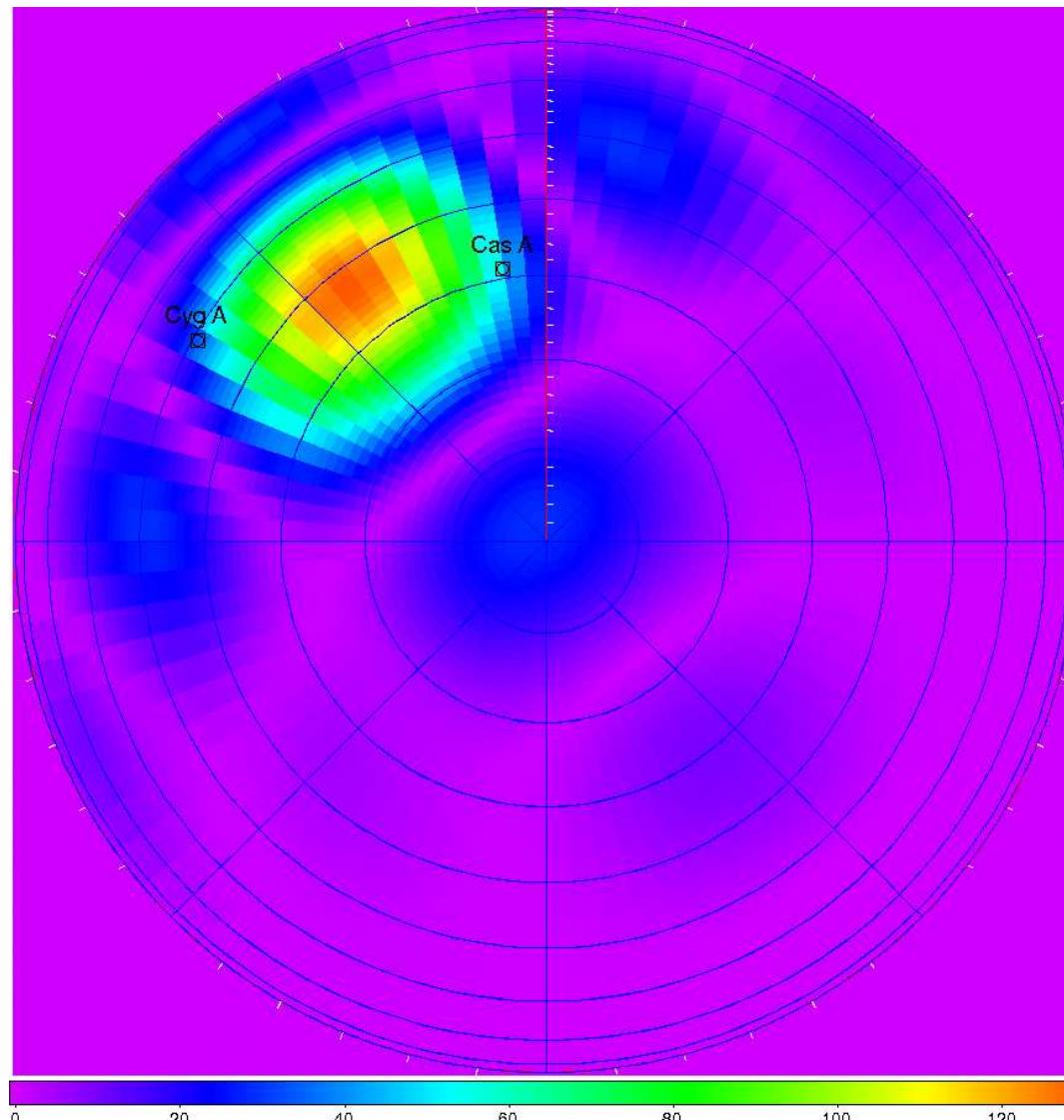


LOFAR Calibration Update

HBA tiles - first results

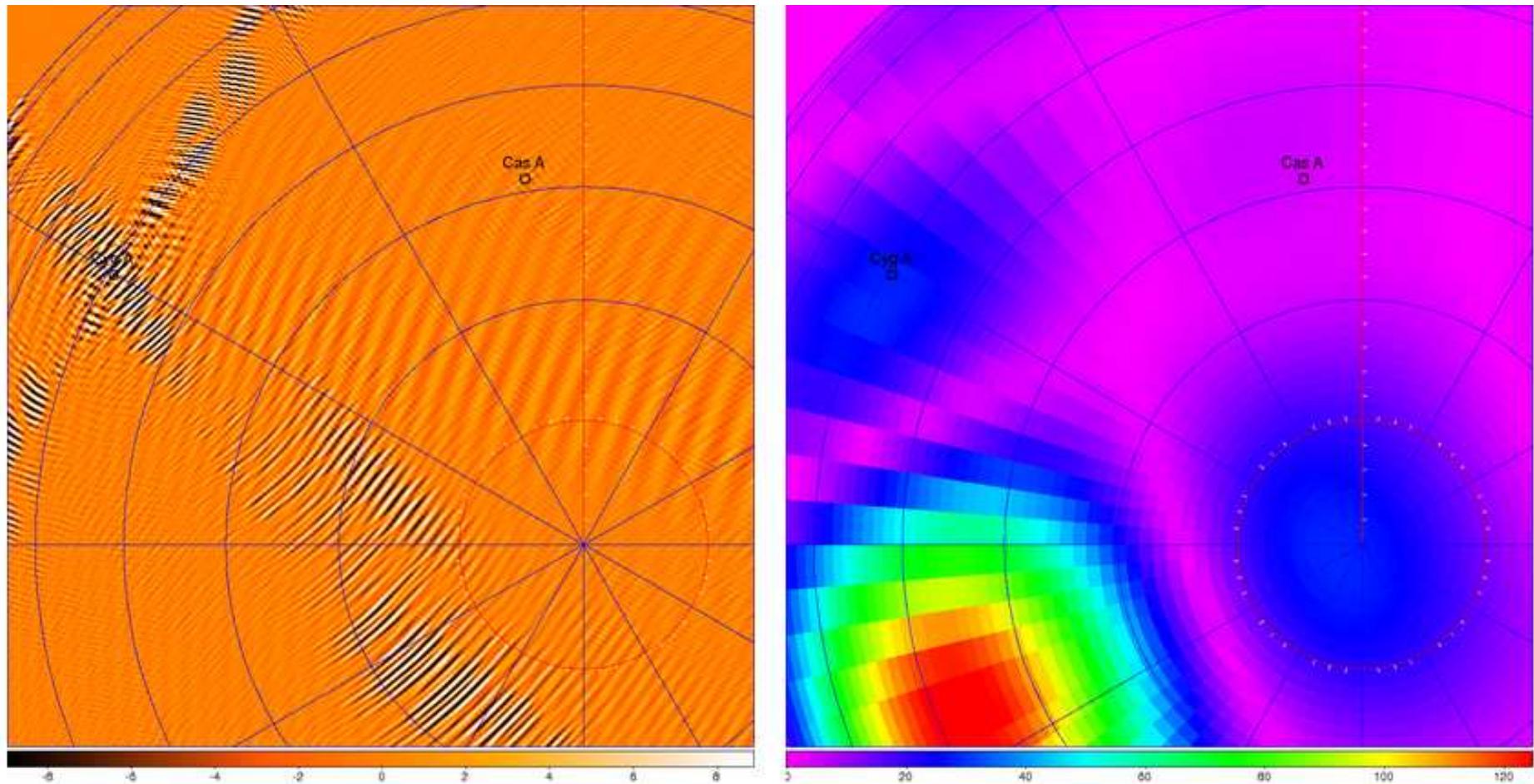
Sarod Yatawatta

HBA tile beam



Tile beam, tracking zenith, NCP image

Sidelobes

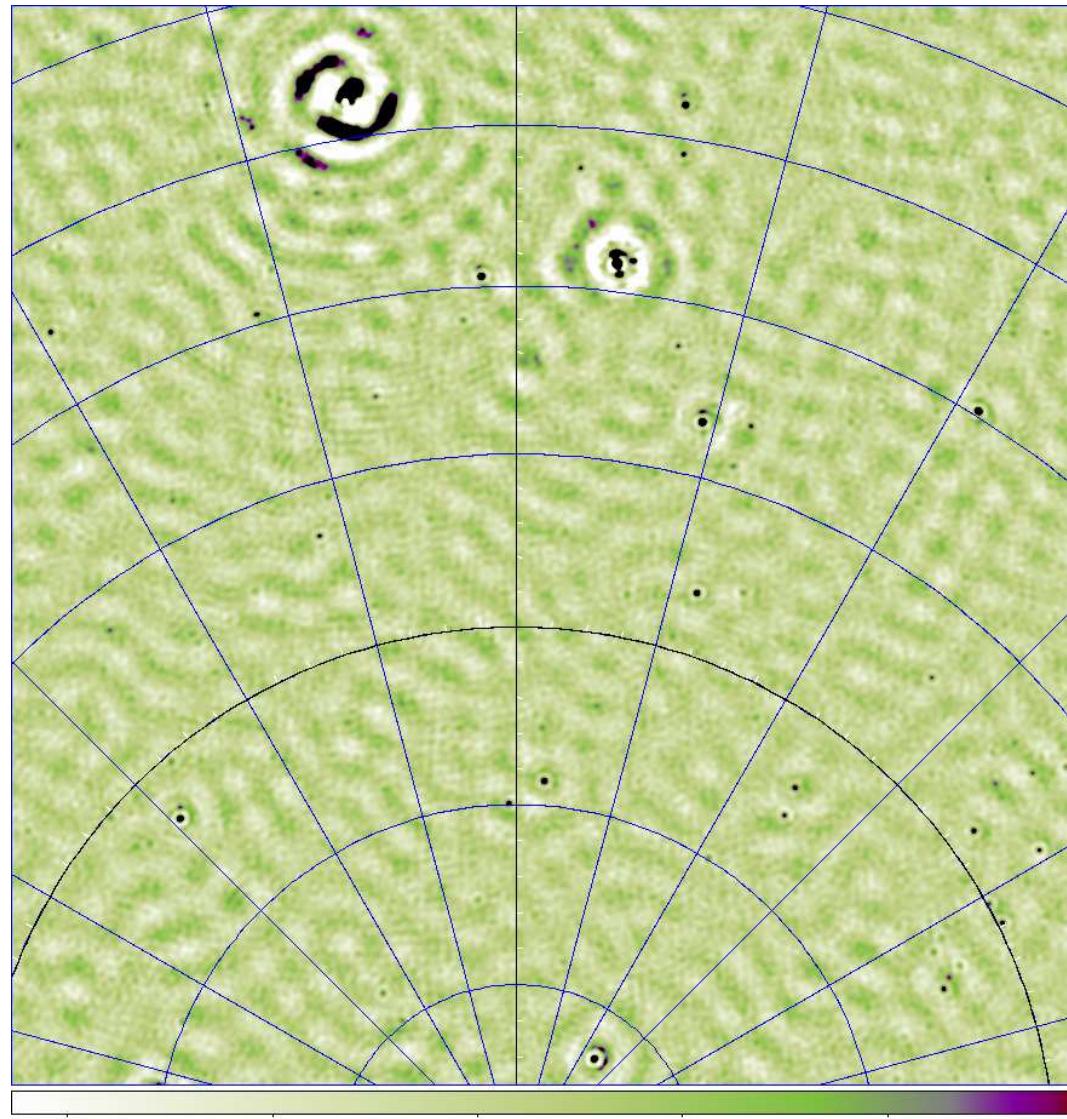


Observed image (left), Beam (right)

Calibration

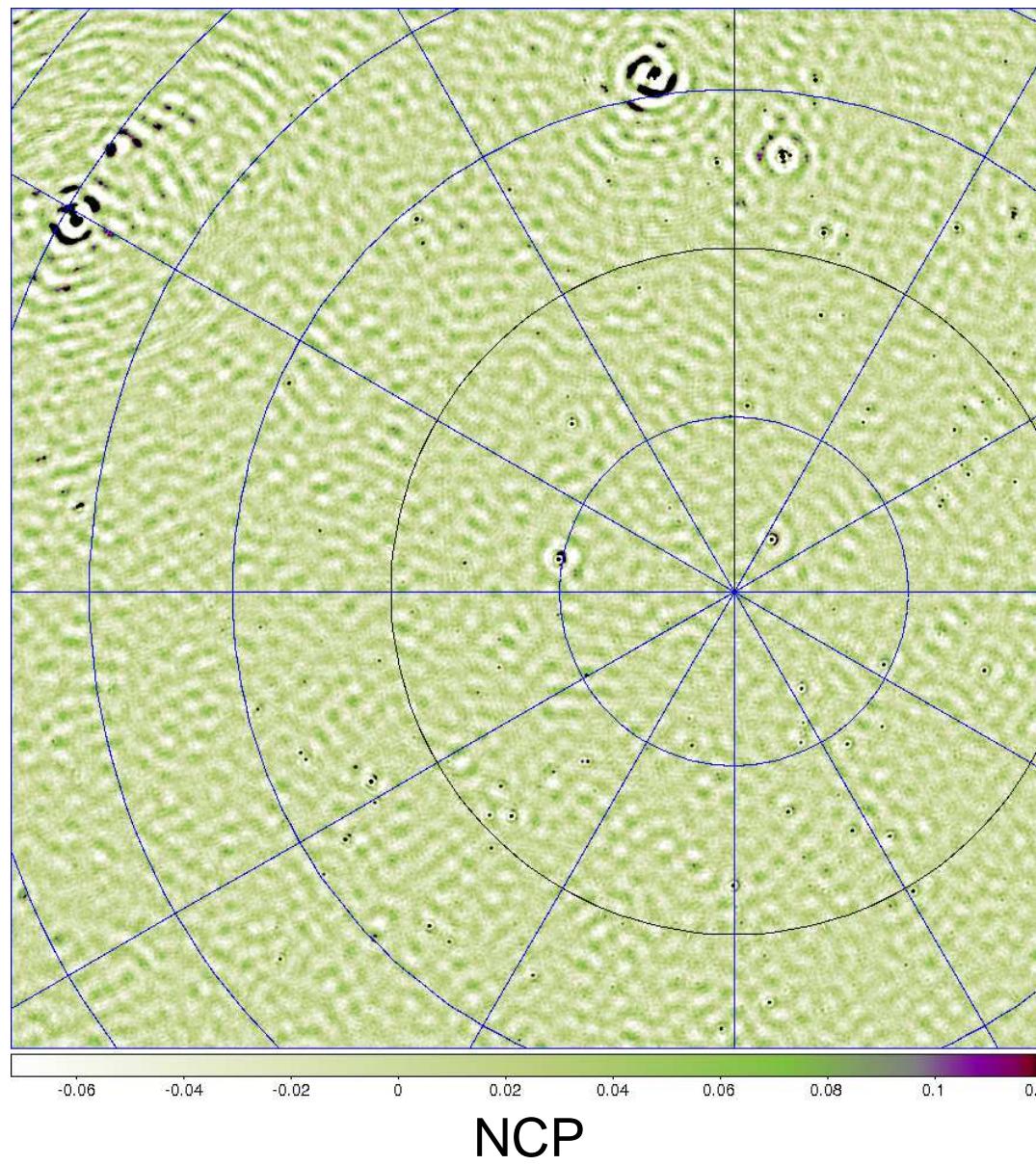
- Analytic dipole element beam (12 stations), Narrow band beam former and element beam (4 tiles).
- Clock phase, electronic gain removal (uv plane)
- Peeling off Cas A, Cyg A
- All sky 24 hr images, centered at NCP 05337
- All sky 24 hr images, centered at Cas A 05340

Images

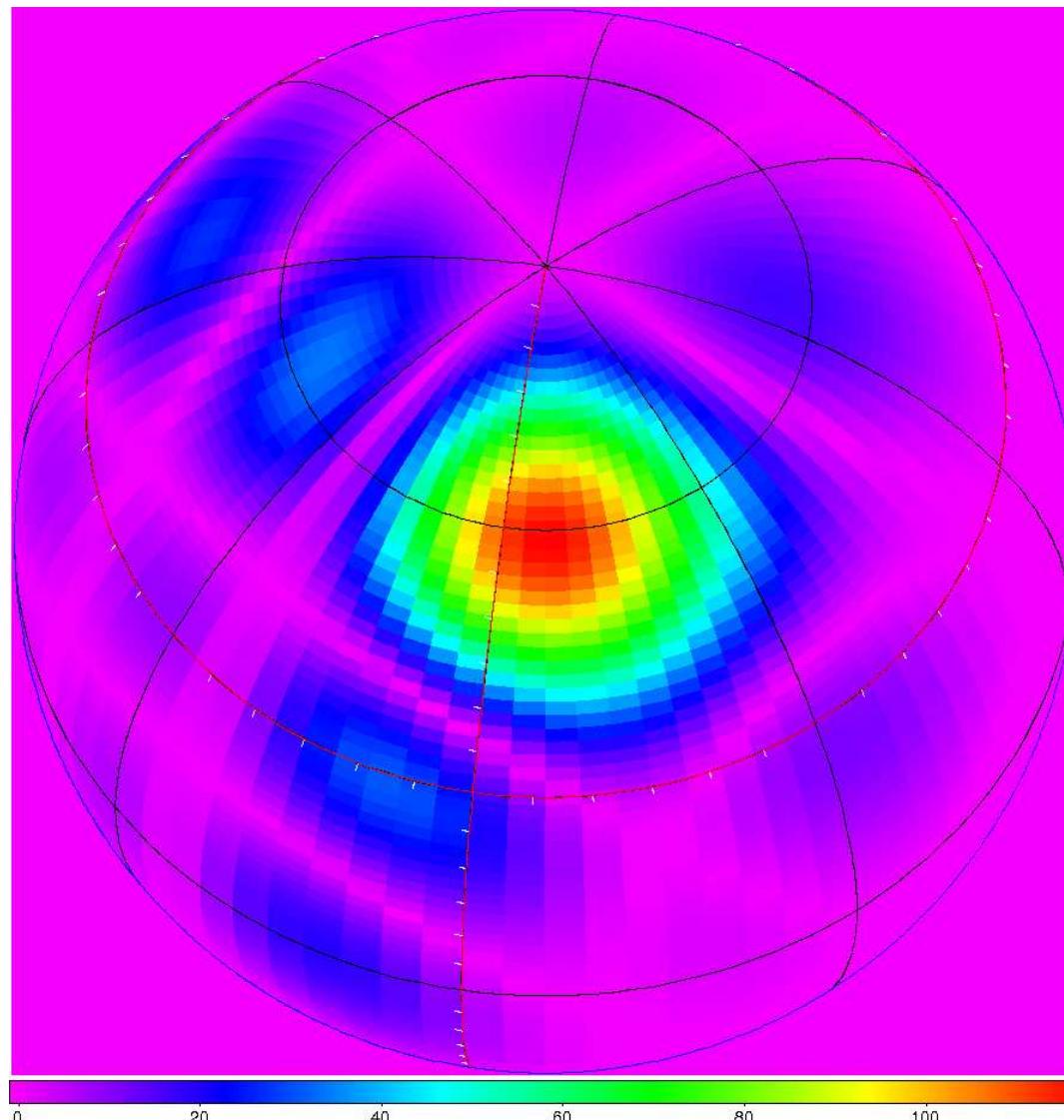


NCP: Residual around Cas A

Images

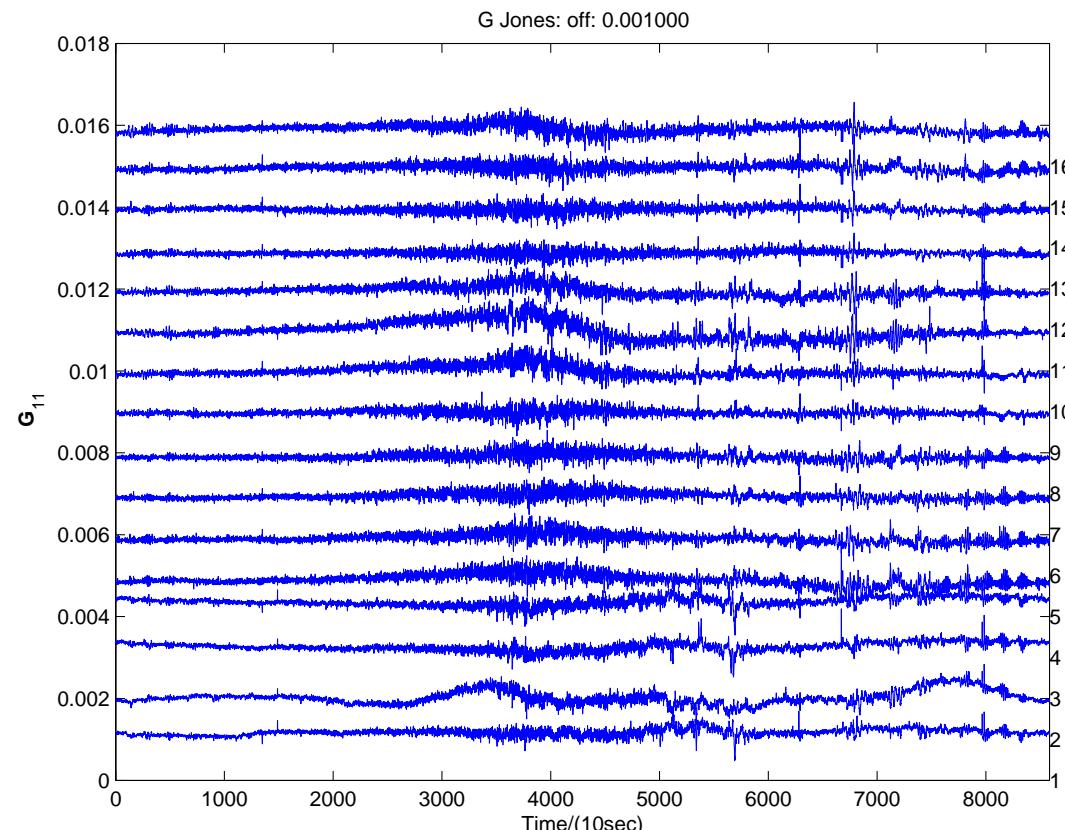


HBA tile beam



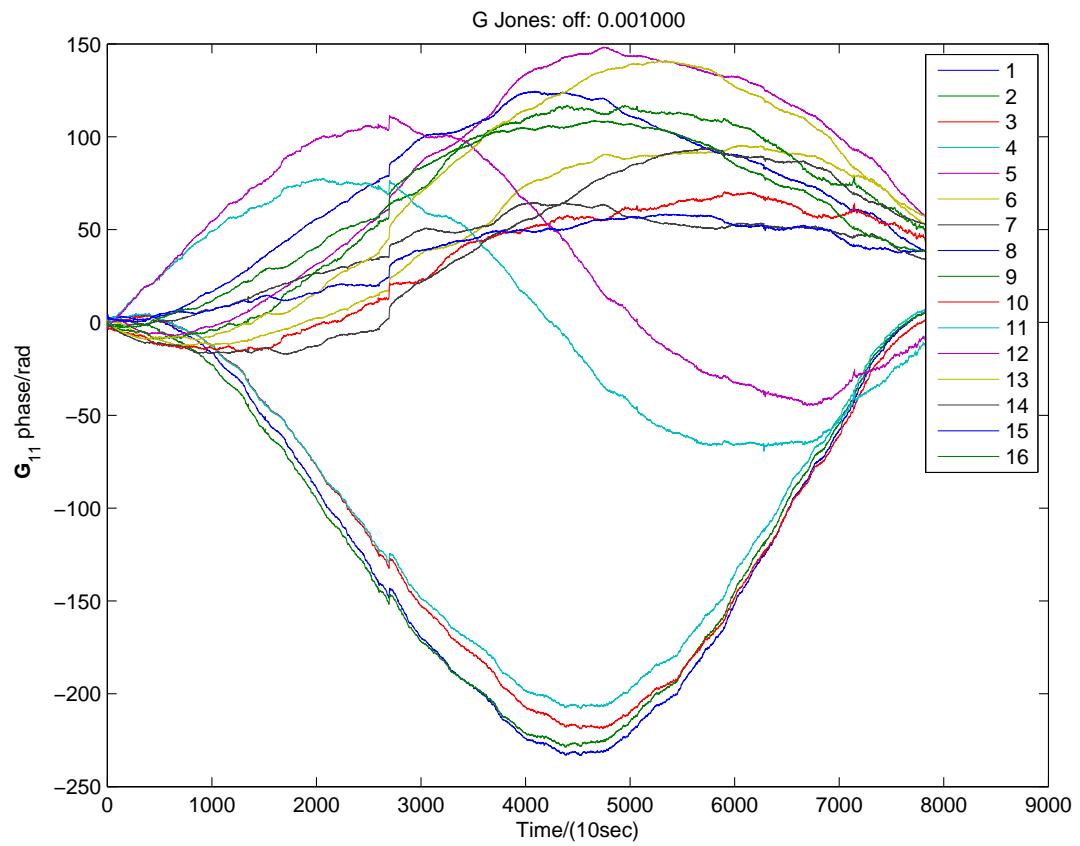
Tile beam, tracking Cas A, Cas A image

Solutions



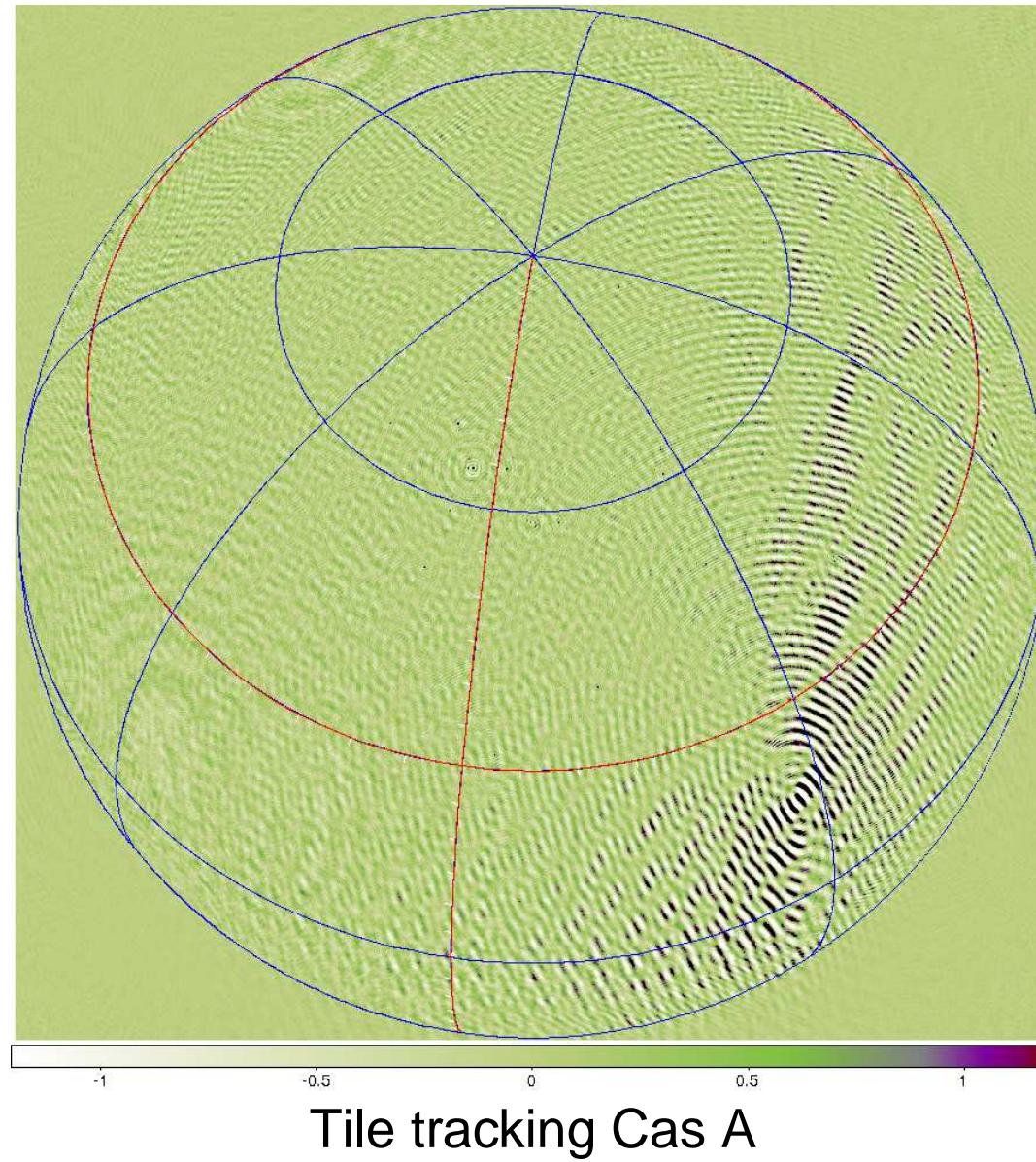
Tile tracking Cas A, G_{11} magnitude

Solutions



Tile tracking Cas A, G_{11} phase

Images



Images

