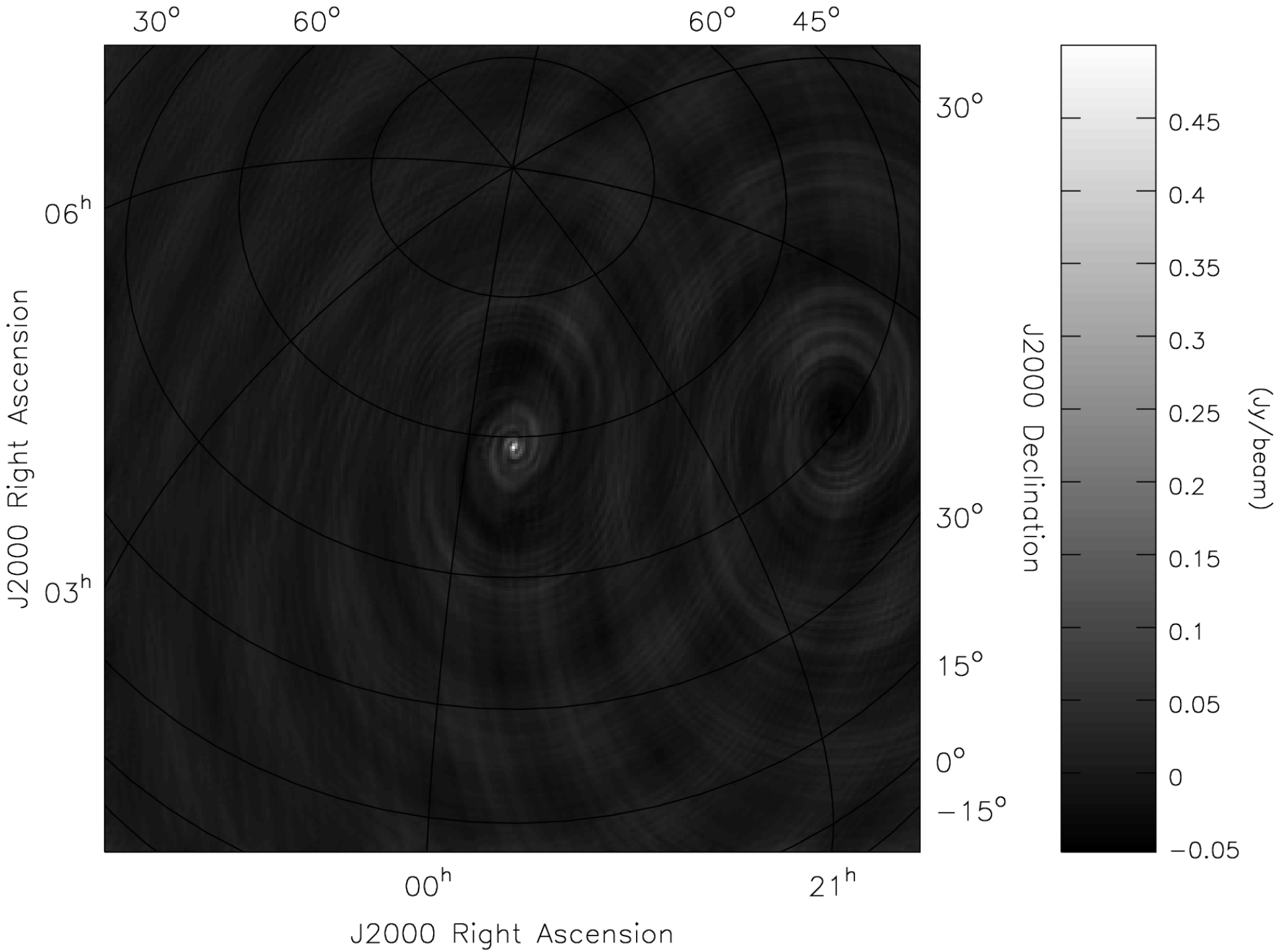
Cygnus A

- Previously CygA was not visible in the corrected image
- Previously: Used only inter-station baselines
- Now: Flag everything with sqr(U)+sqr(V) < 100

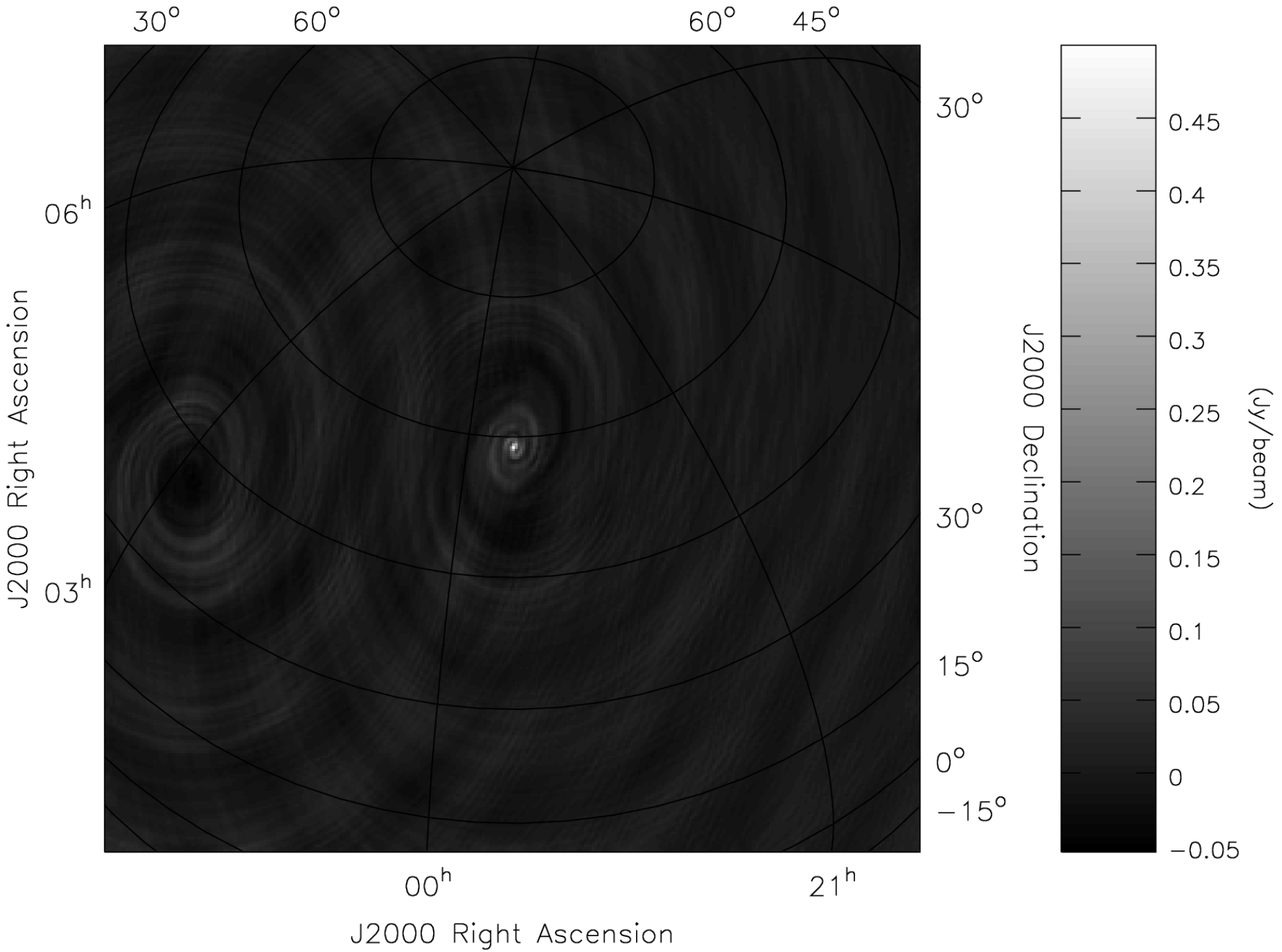
UVW

- UVW in CS1 MS are sign-flipped with respect to WSRT MS
- BBS uses WSRT (AIPS++) convention for the predict
- Introduced two flags: read/compute UVW and flip/don't flip UVW

Read UVW


30°
60°
60°
45°
06h
03h
30°
30°
15°
0°
−15°
00h
21h
J2000 Right Ascension
J2000 Right Ascension
J2000 Declination
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
(Jy/beam)

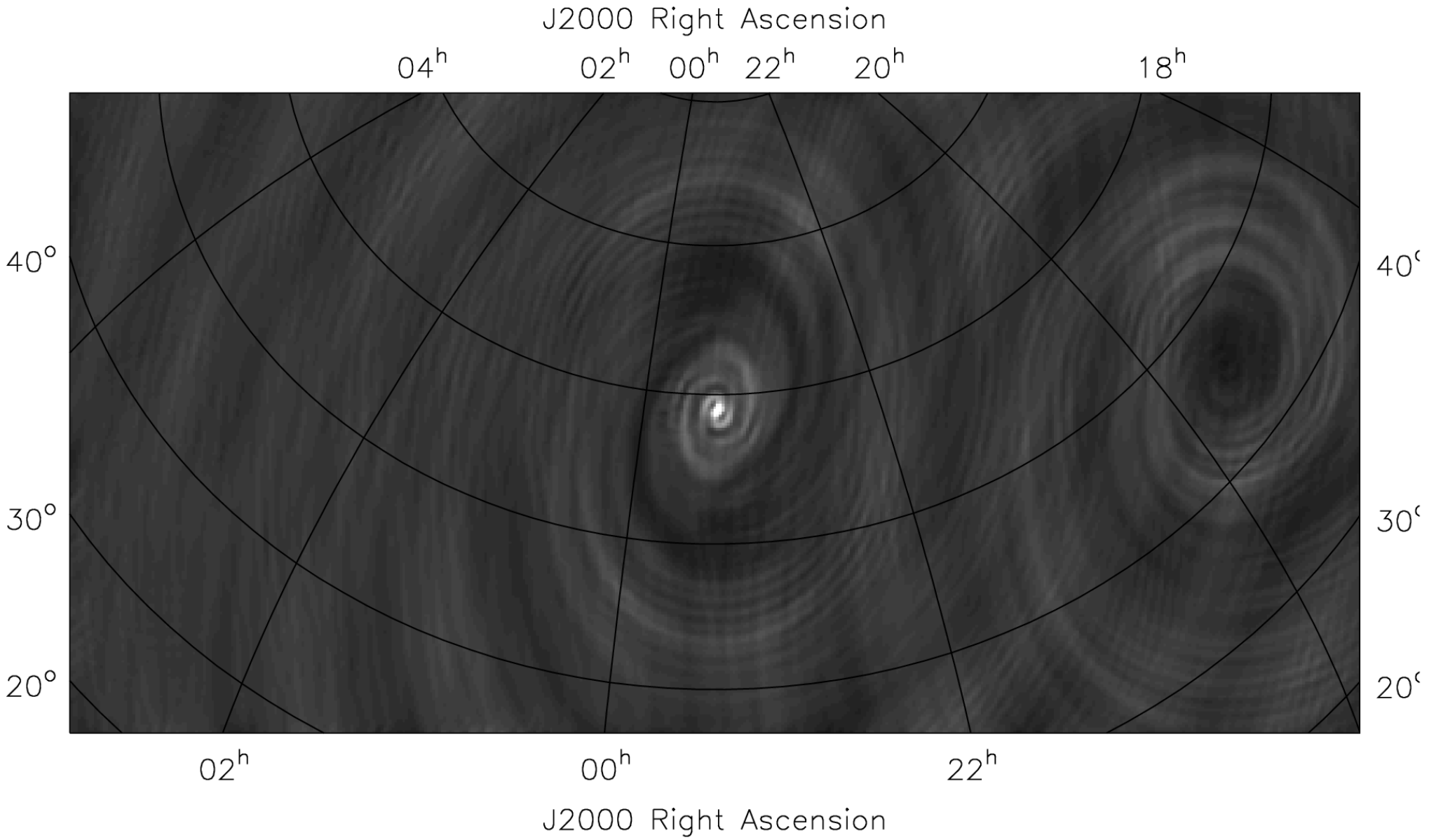
Read UVW; Flip



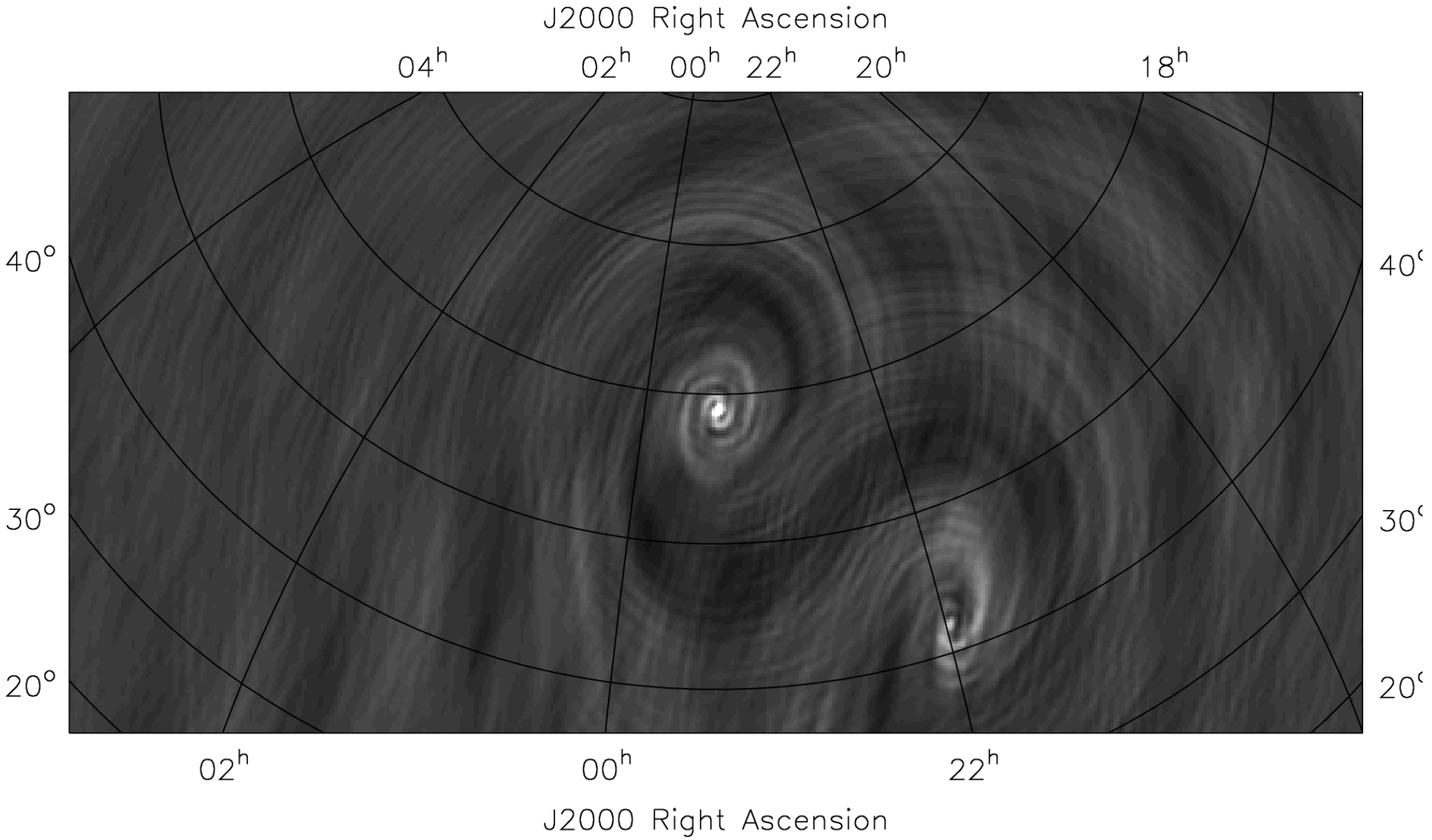
Clean Predict

- CygA has a negative peak
- CygA is at the wrong position
- Try to reproduce using AIPS++

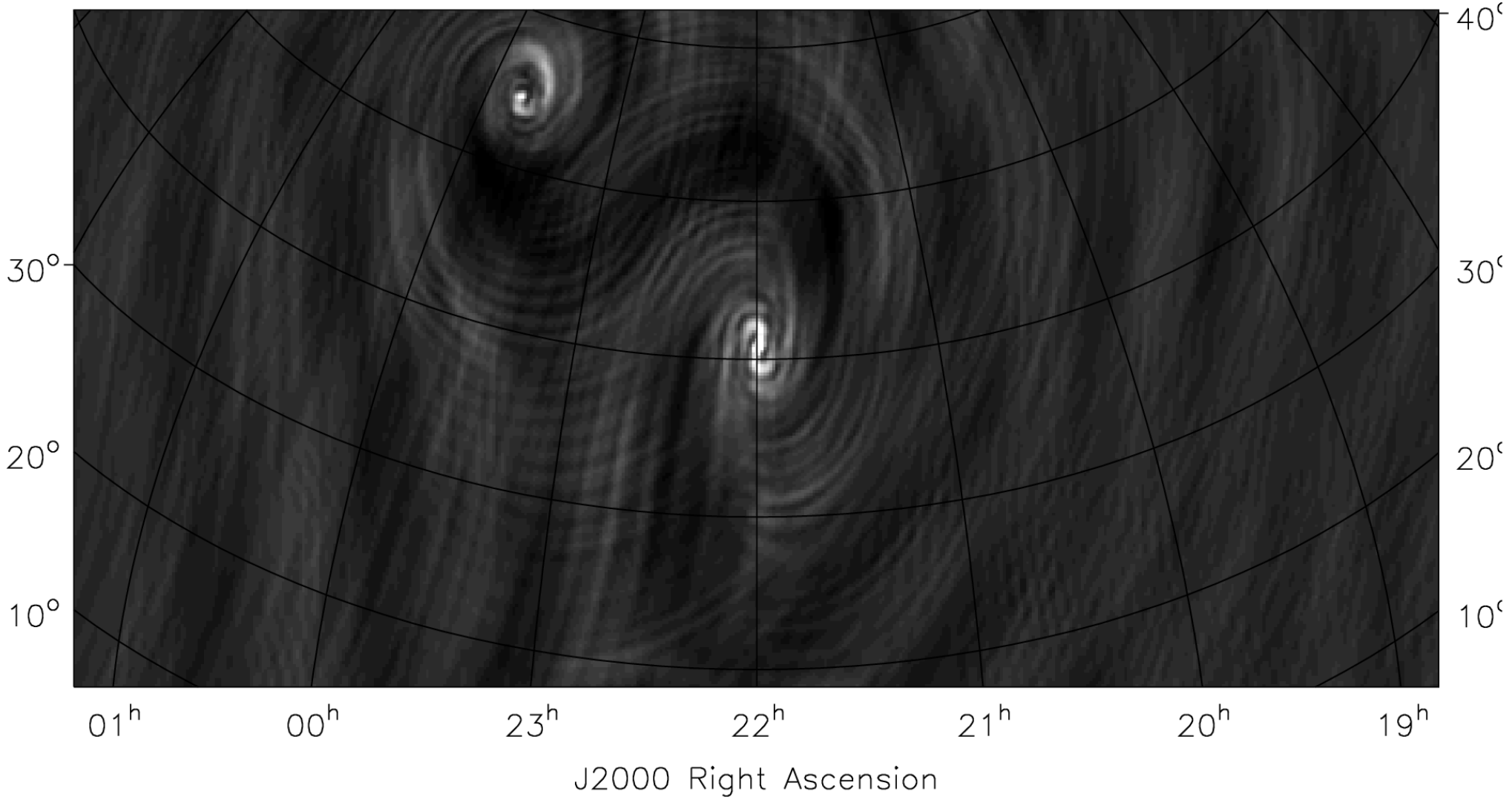
AIPS++ Predict



AIPS++ Predict; W-Projection



Phase shift; W-Projection



More tests...

- Try to reproduce Sarod's results with MeqTree
- Compare solutions against MeqTree
- Try to understand the AIPS++ imager