#### LOFAR CS1

Calibration and Imaging

(cont.)

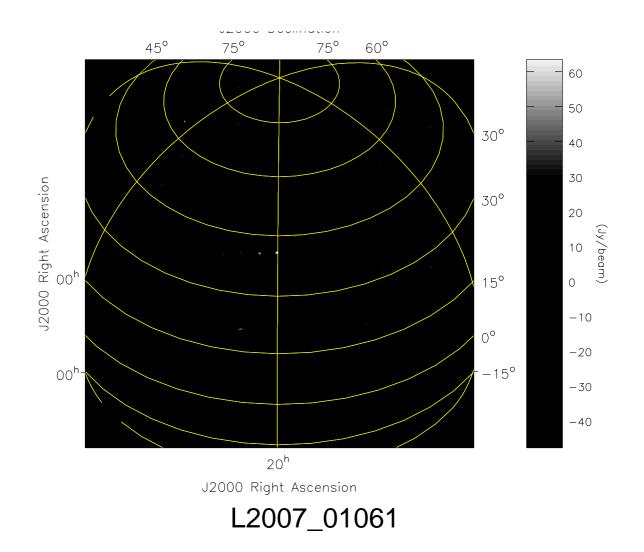
# **Peeling**

□ Jones Matrices

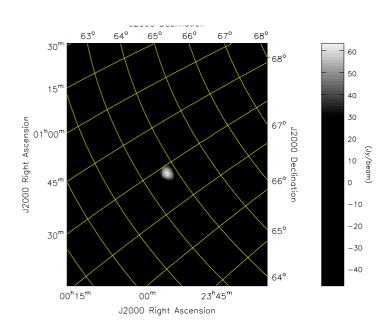
$$\mathbf{G} = \left[ egin{array}{cc} g_{11} & 0 \ 0 & g_{22} \end{array} 
ight] \quad \mathbf{J} = \left[ egin{array}{cc} J_{11} & J_{12} \ J_{21} & J_{22} \end{array} 
ight]$$

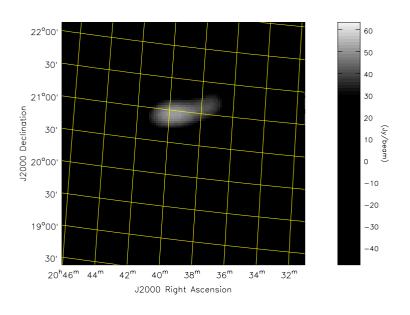
- □ Peel CasA and CygA. If we solve for J Jones what we get is JP where
   P is the beam and projection. Since P is an image plane effect, we cannot use this to correct the residual data.
- ☐ Hence we peel with G Jones and use the solution of CygA to correct the residual data.

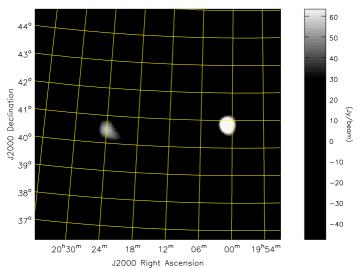
### Average Residual Image After Peeling



### Closeups

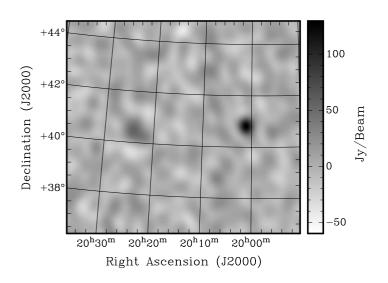


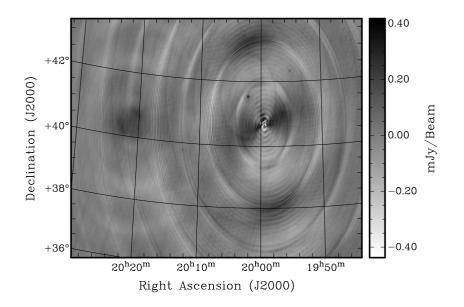




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## Closeups...





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**WSRT-WHAT** 

### Rainy day solutions

