

Observatoire astronomique de Strasbourg



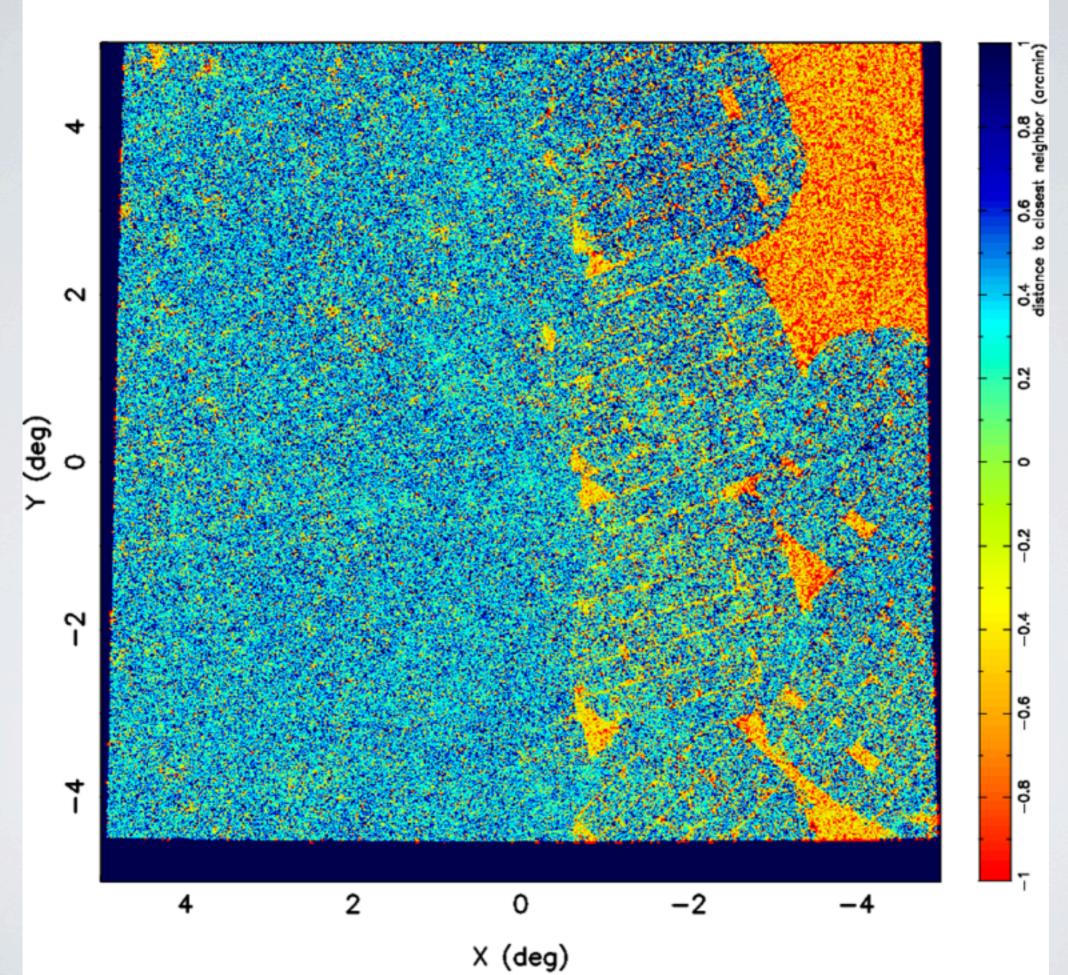
## 3π coverage maps

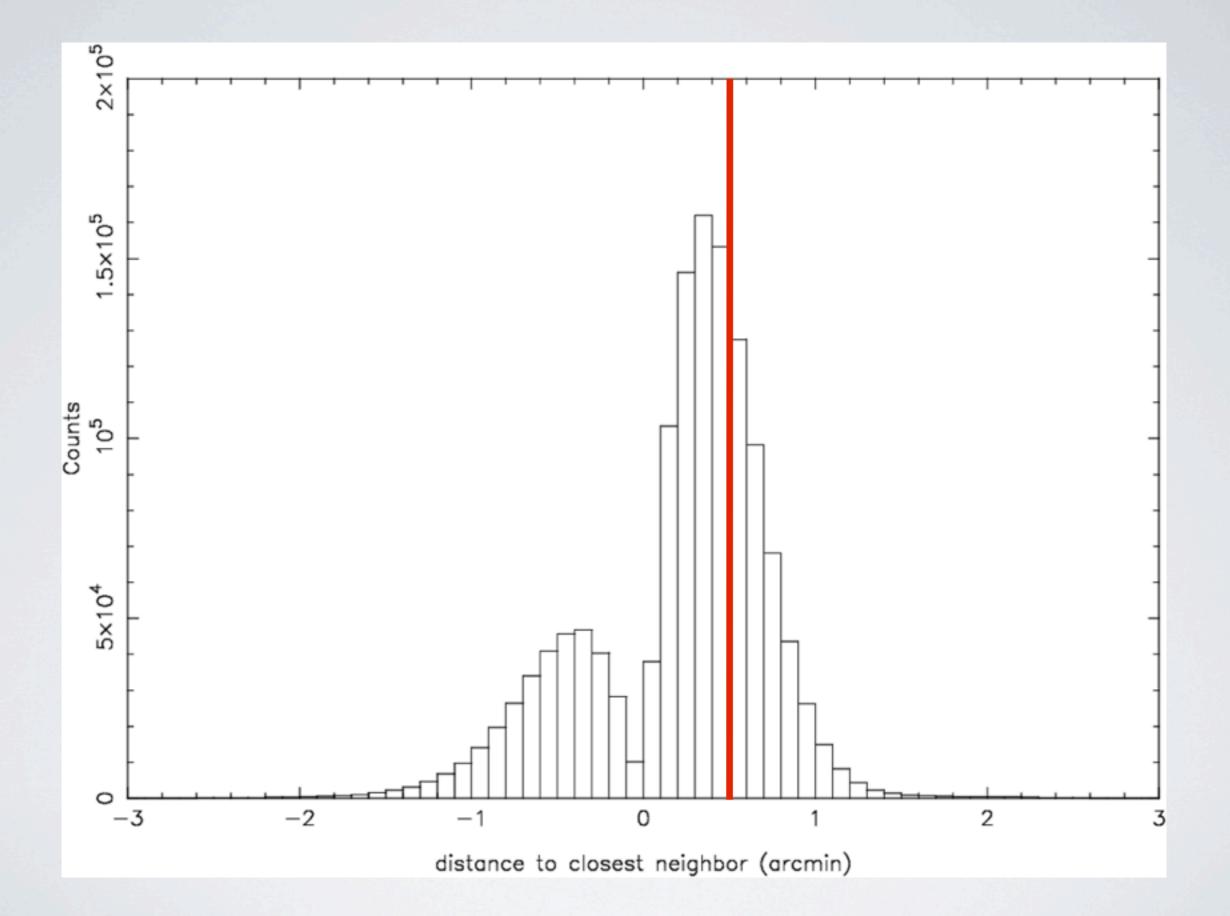
Nicolas Martin (Strasbourg Observatory & Max Planck Institute for Astronomy)

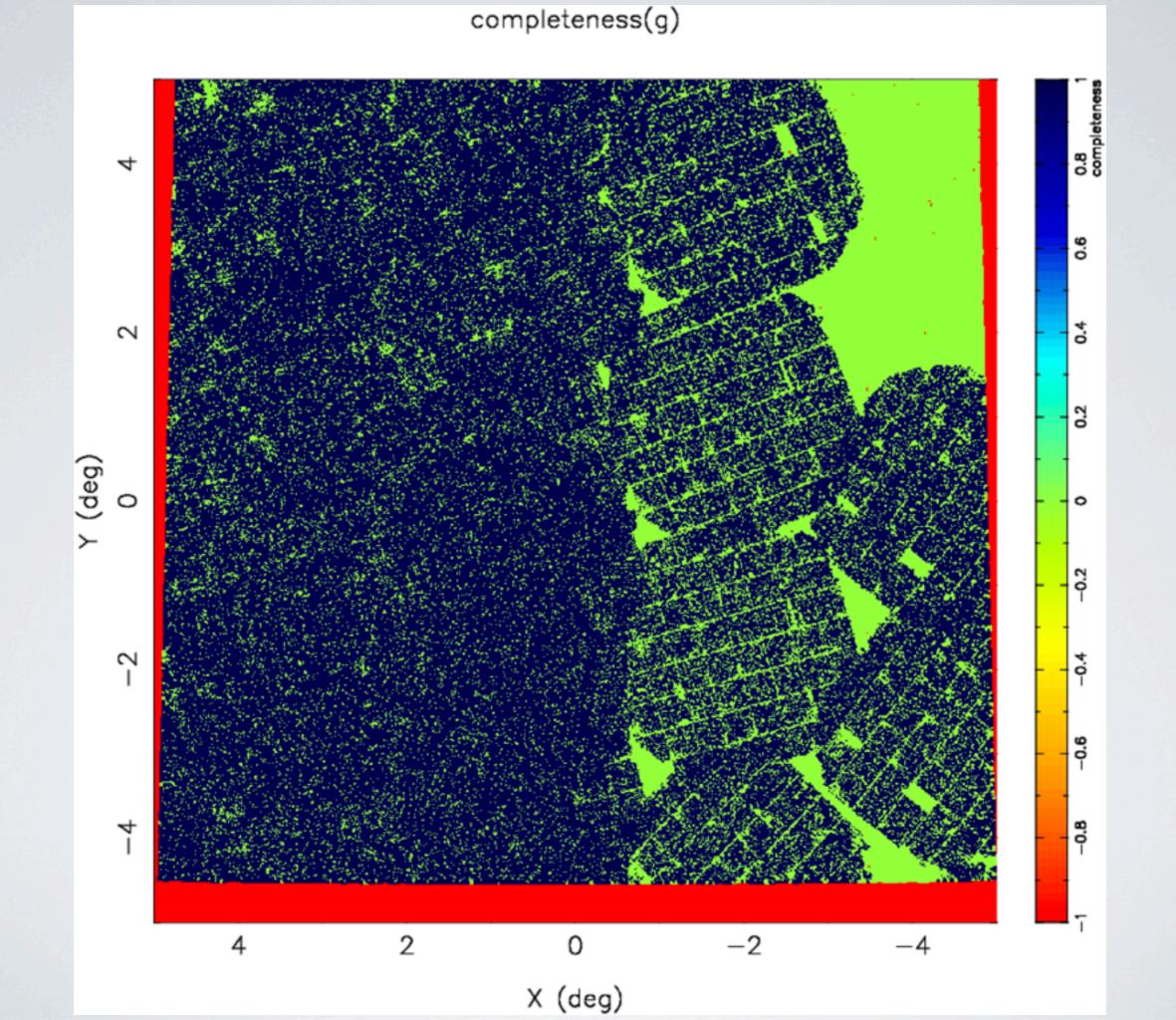
## Spatial completeness algorithm

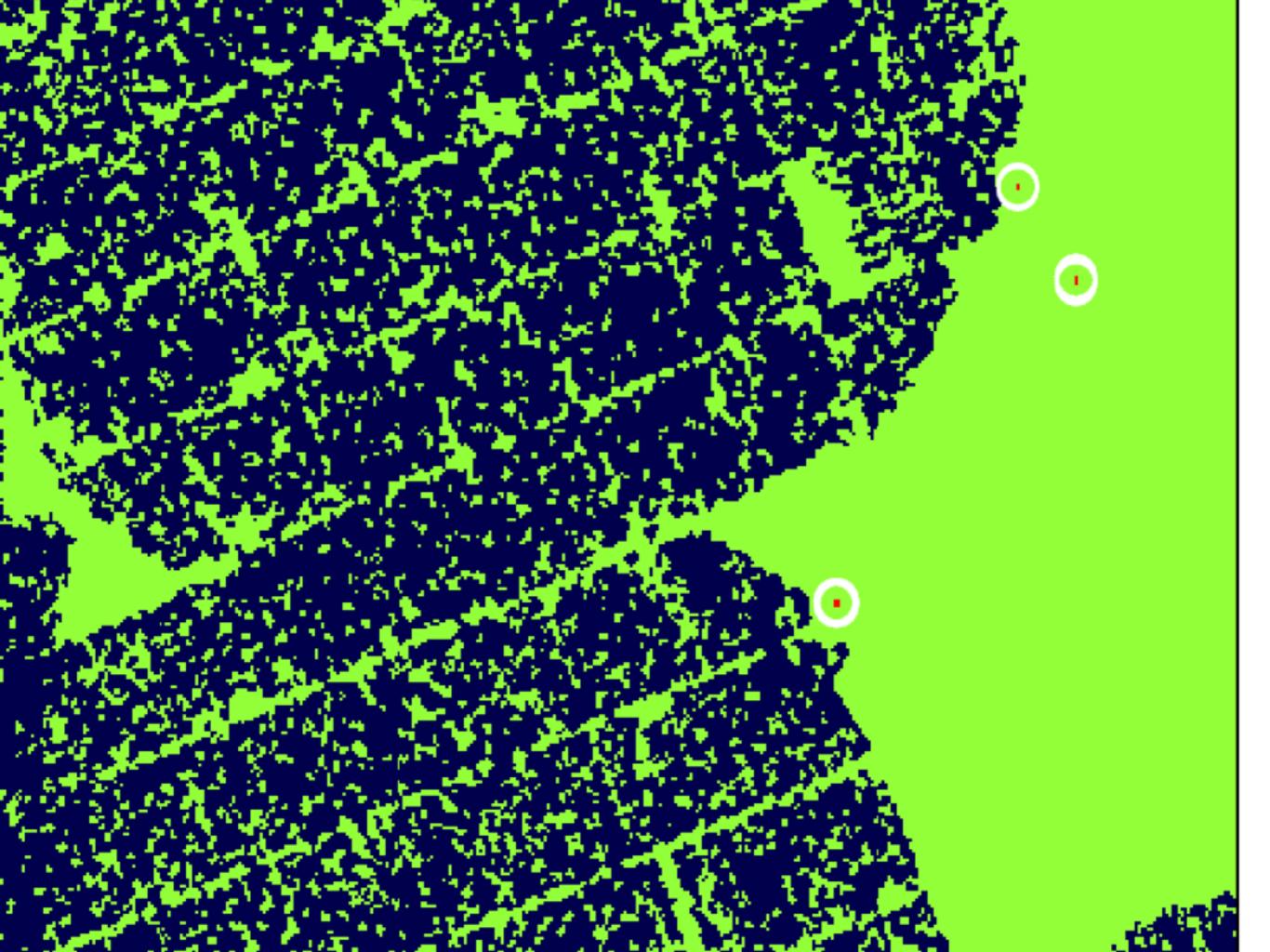
- → Self-calibration with PSI, using other bands
- For a given band, say g
- Binning sky with 0.5x0.5 arcmin<sup>2</sup>
- For each bin (x,y):
  - determine the closest star that appears in two other bands
  - is this star also in the band of interest (g)?  $\rightarrow$  completeness(x,y,g) = 1
  - else  $\rightarrow$  completeness(x,y,g) = 0
  - (if closest star > 2', probably don't want to use that region)
- "Adaptive resolution," requires a location to have been observed in 3 bands... not that restrictive







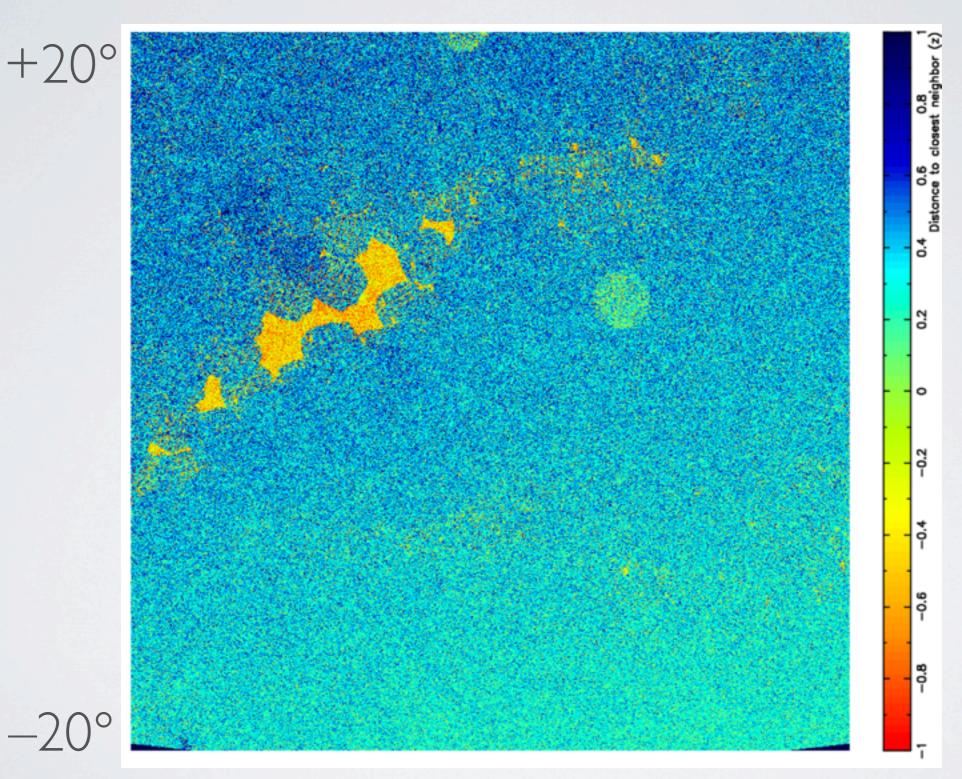






Done by blocks of 40x40 deg<sup>2</sup> (?)
projection on the tangential plane
Done for all 5 bands

## Around $(l,b) = (95^\circ, +40^\circ) - z-band$



-20°

 $+20^{\circ}$ 



Done by blocks of 40x40 deg<sup>2</sup> (?)
projection on the tangential plane
Done for all 5 bands

• Mask distribution?