

Observatoire astronomique de Strasbourg



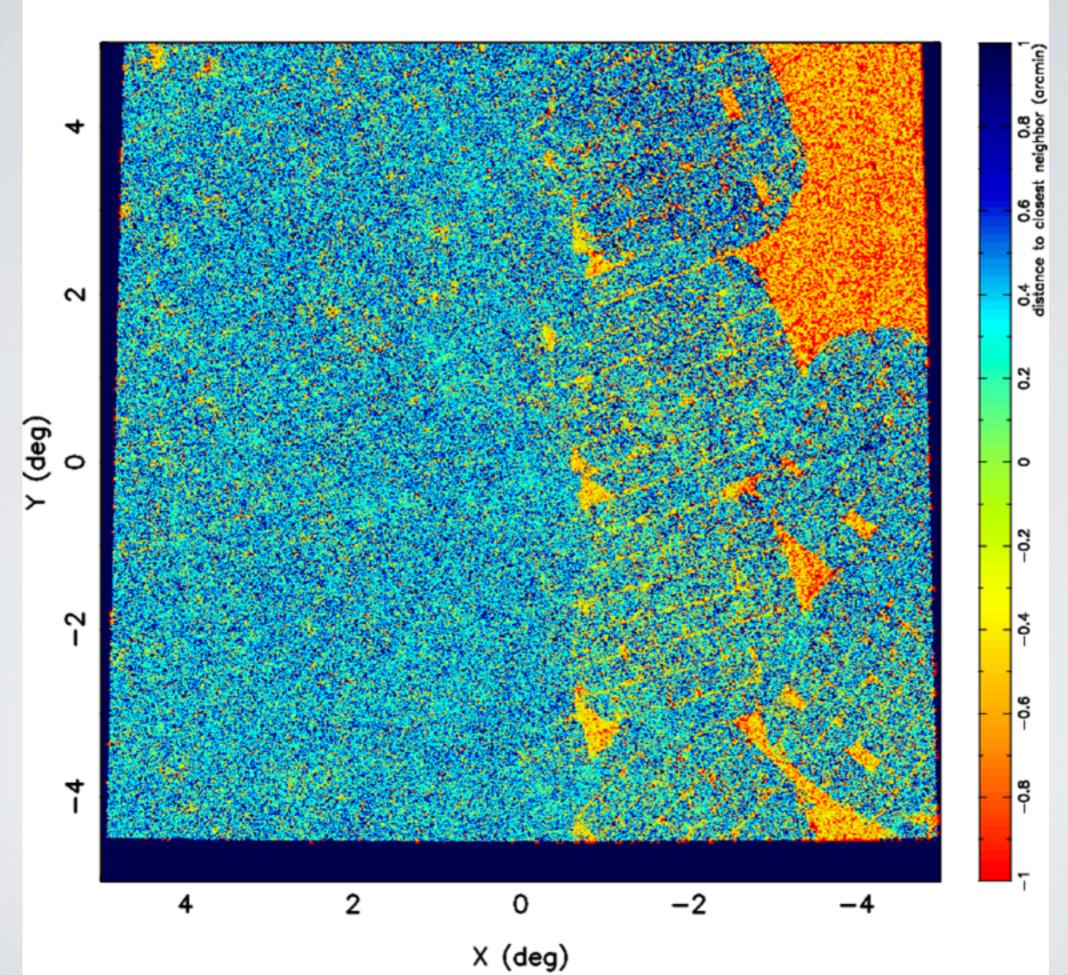
3π coverage maps

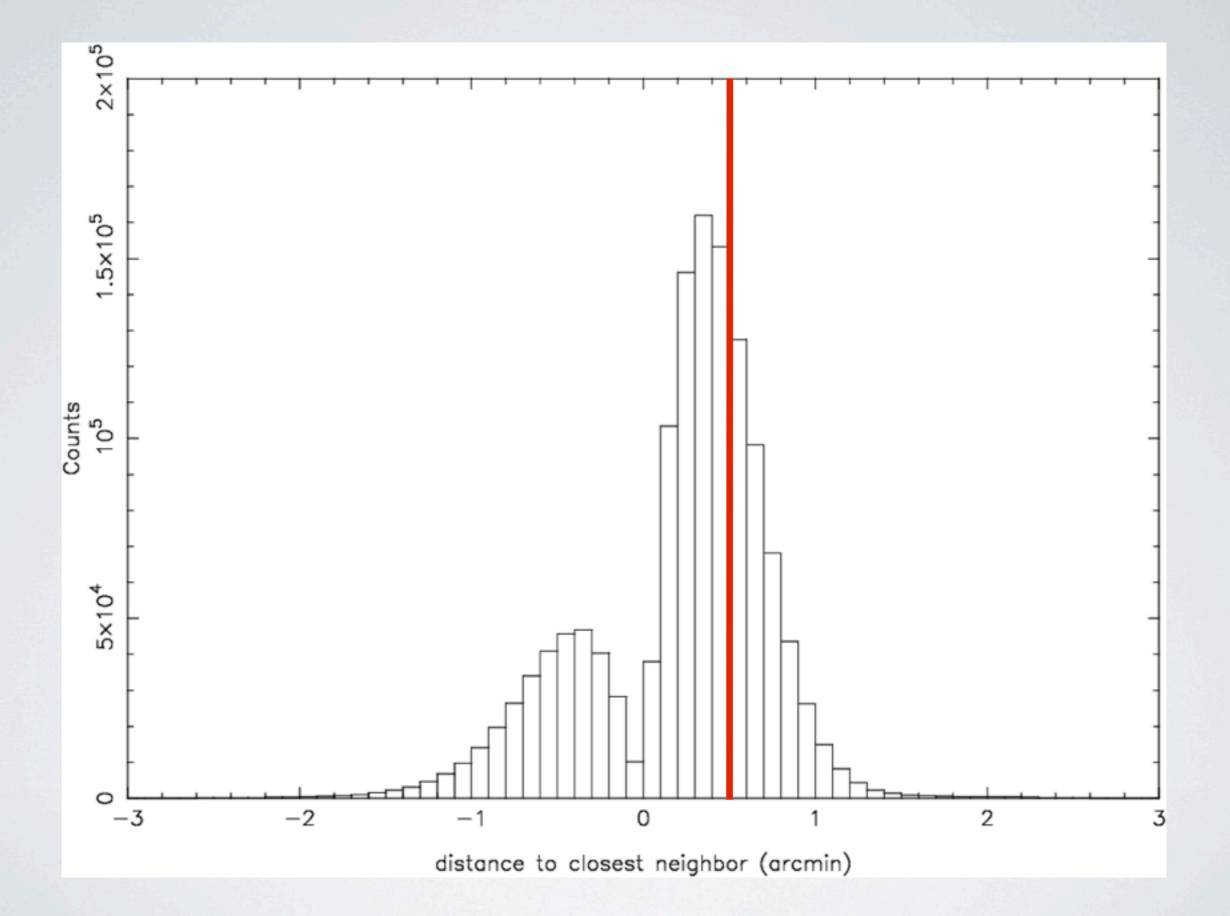
Nicolas Martin (Strasbourg Observatory & Max Planck Institute for Astronomy)

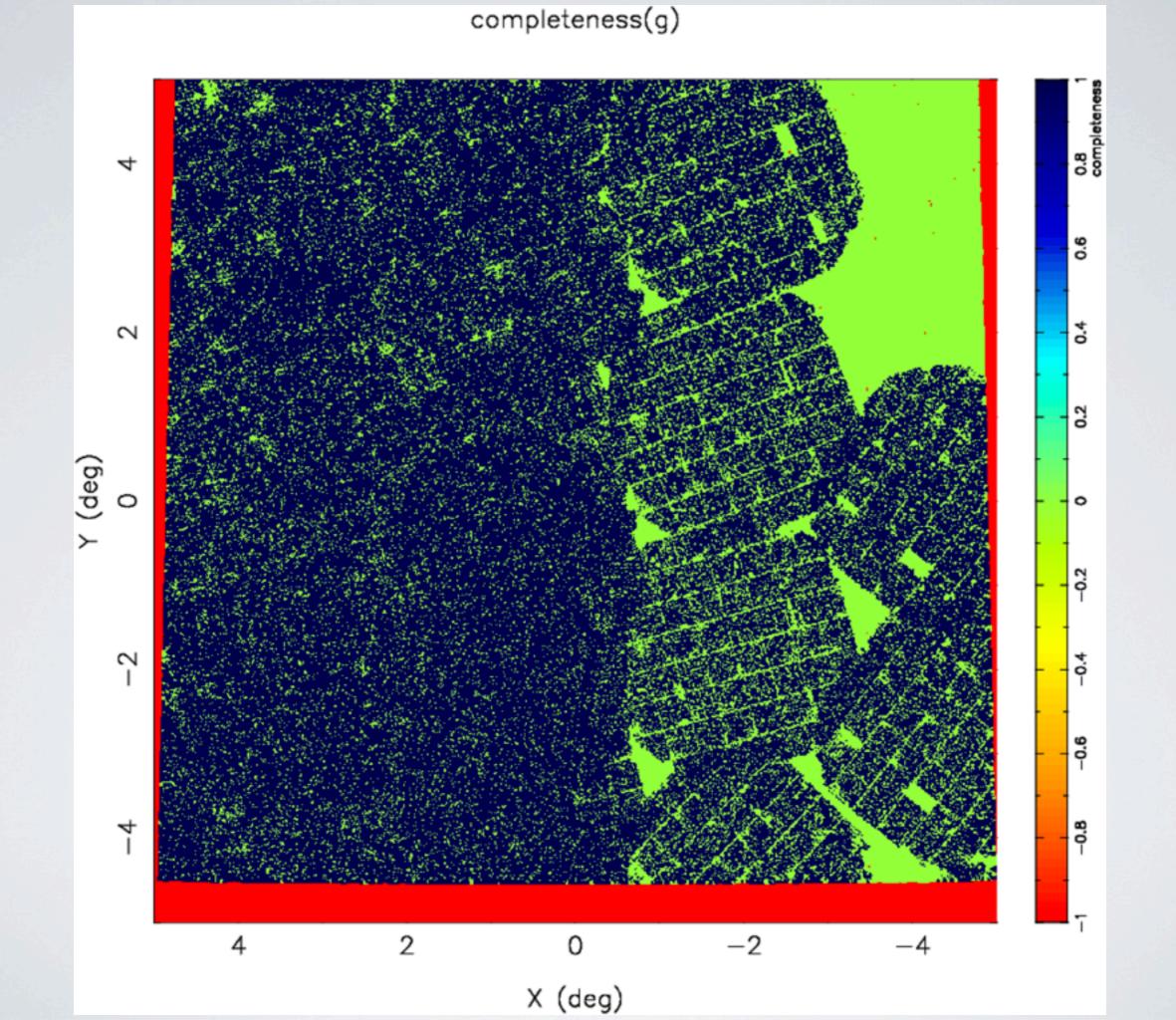
Spatial completeness algorithm

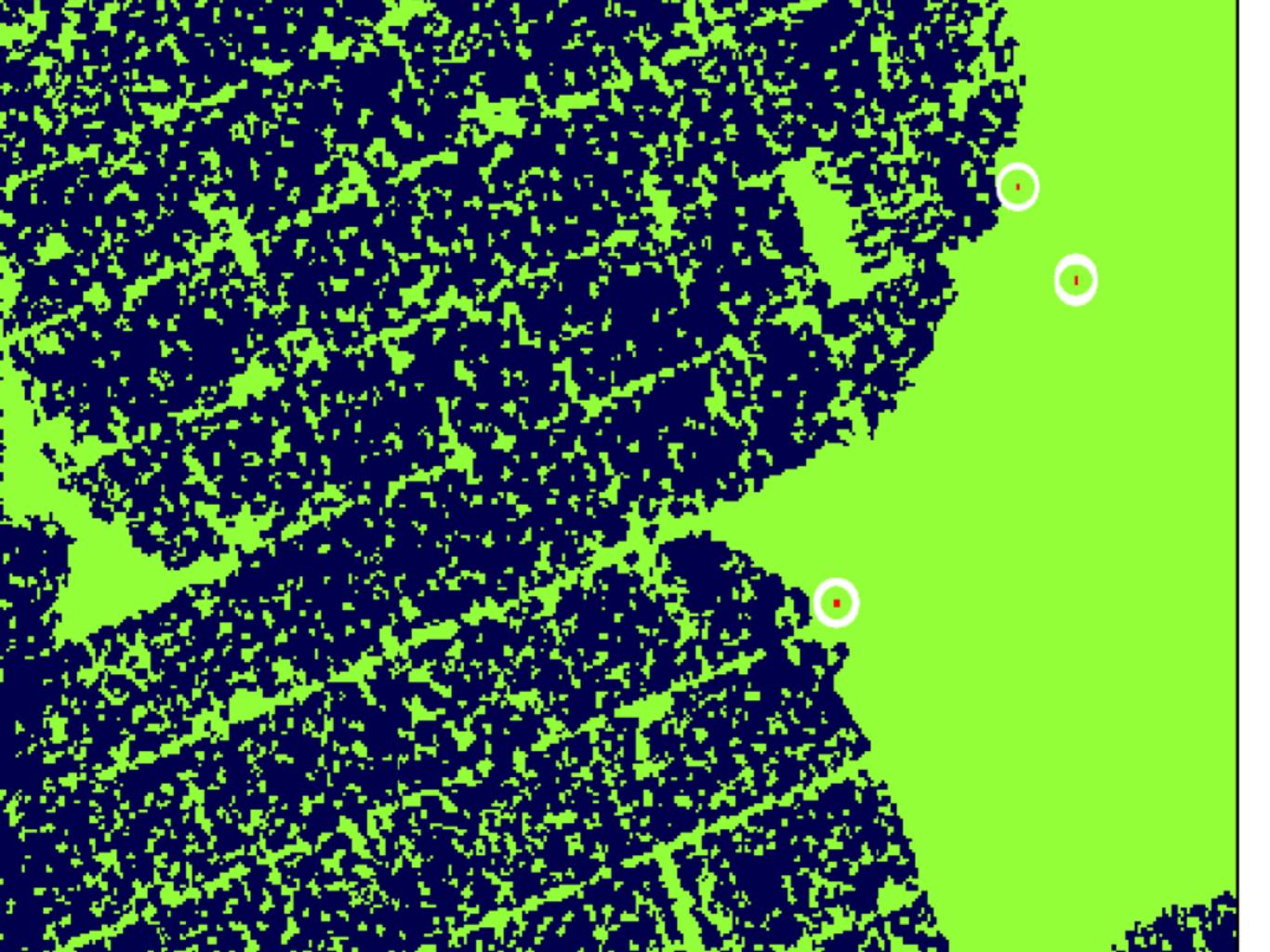
- → Self-calibration with PSI, using other bands
- For a given band, say g
- Binning sky with 0.5x0.5 arcmin²
- For each bin (x,y):
 - determine the closest star that appears in two other bands
 - is this star also in the band of interest (g)? \rightarrow completeness(x,y,g) = 1
 - else \rightarrow completeness(x,y,g) = 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







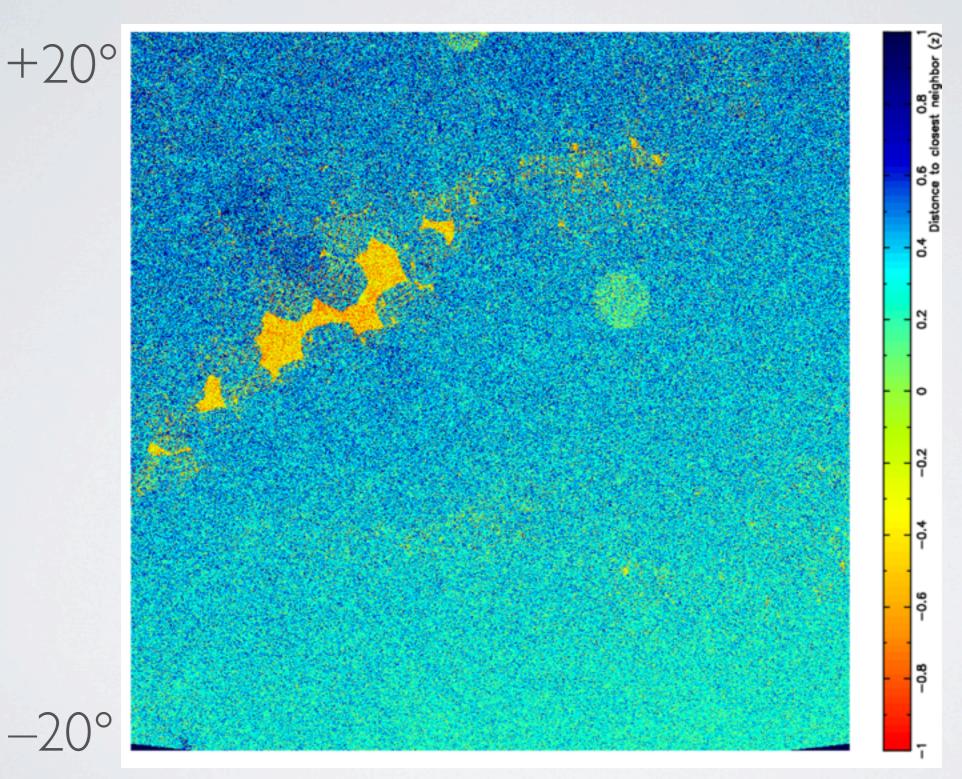






Done by blocks of 40x40 deg² (?)
projection on the tangential plane
Done for all 5 bands

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



-20°

 $+20^{\circ}$



Done by blocks of 40x40 deg² (?)
projection on the tangential plane
Done for all 5 bands

• Mask distribution?