



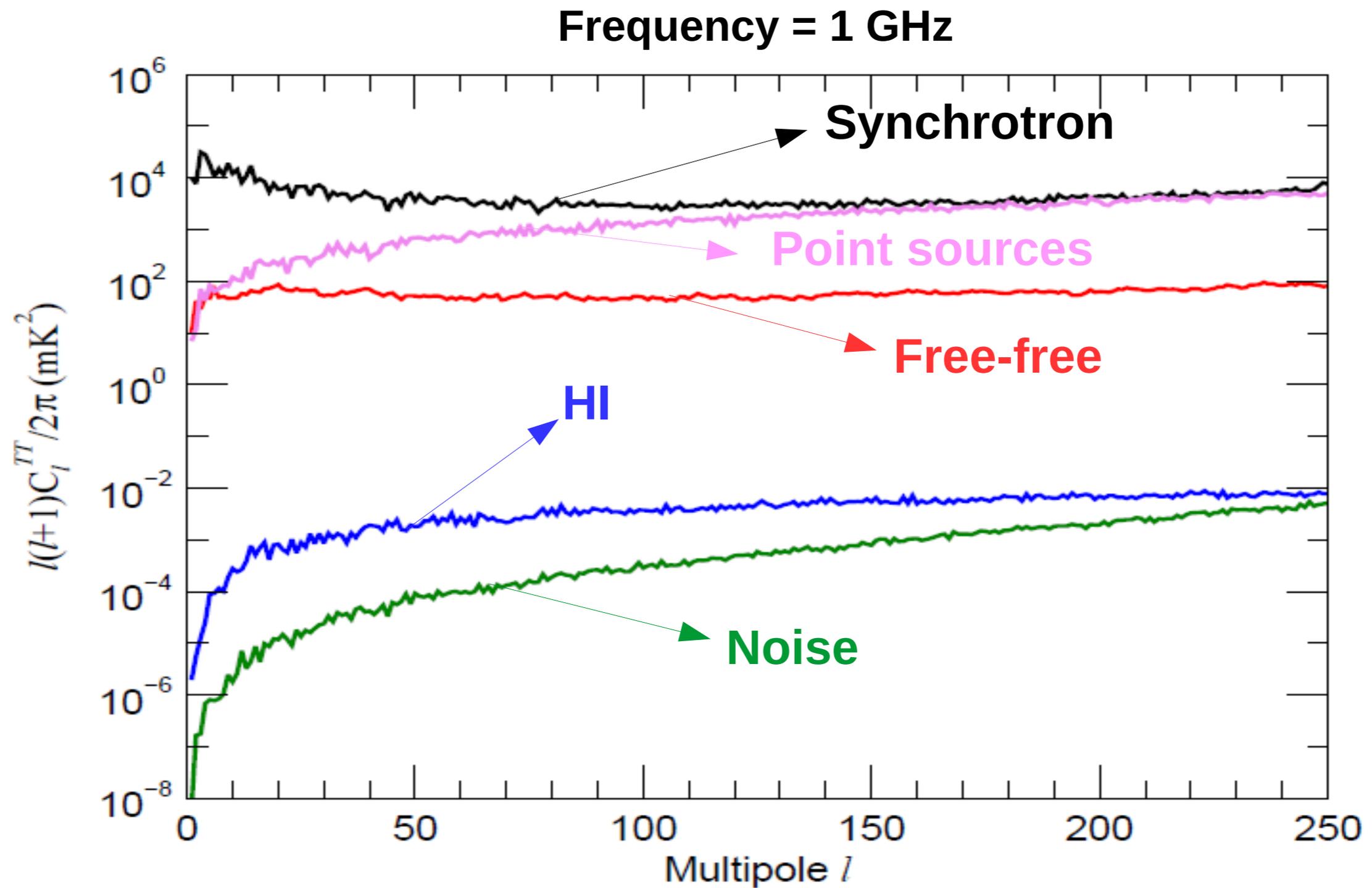
The rules of BINGO

The technical requirements and how to meet them

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IFUSP / INPE



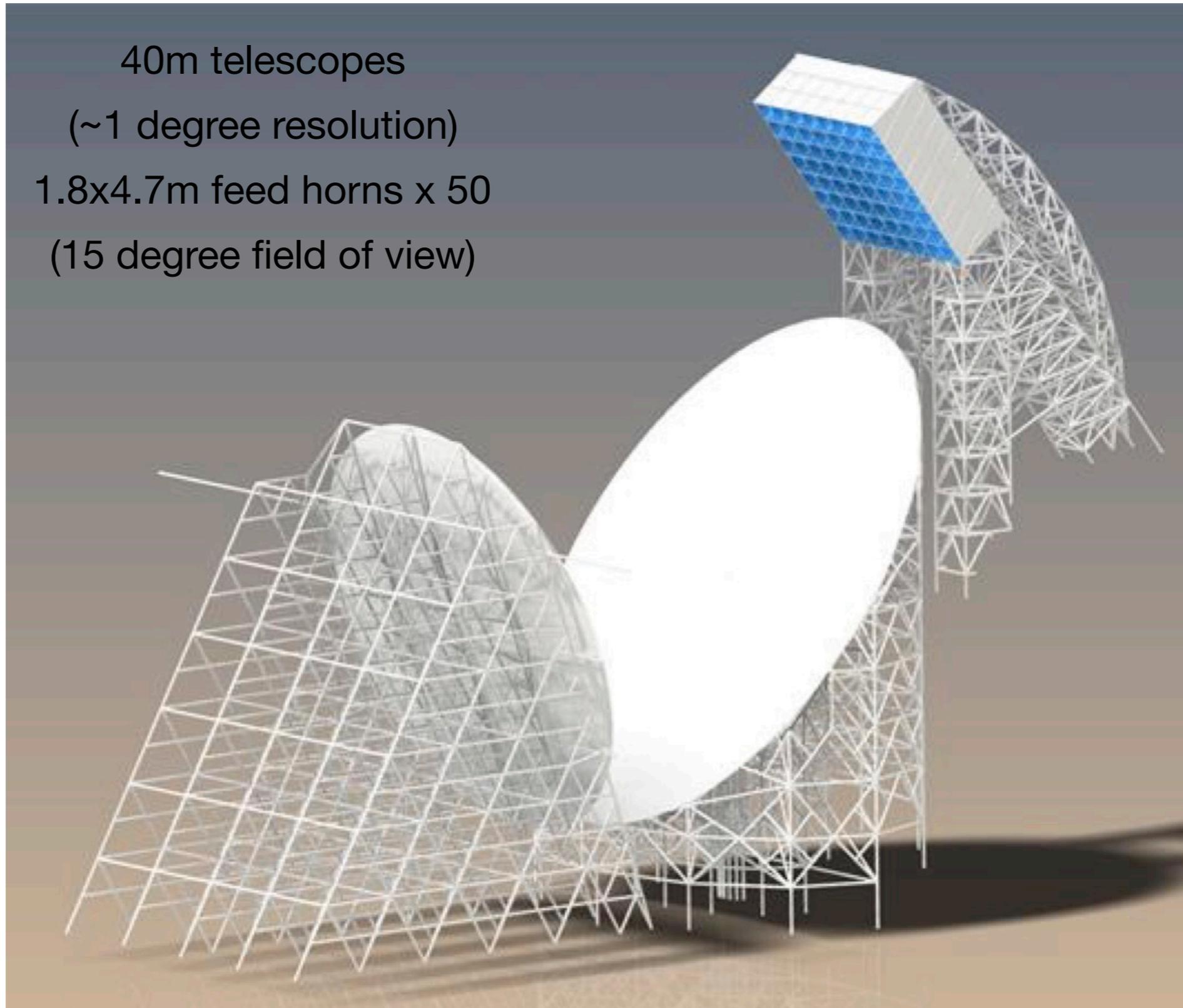
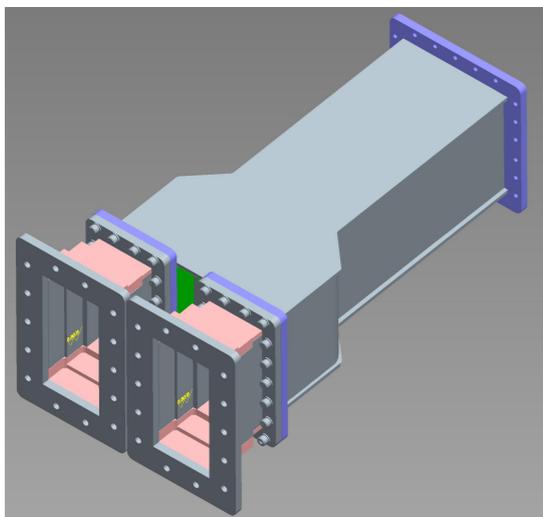
BINGO needs high sensitivity



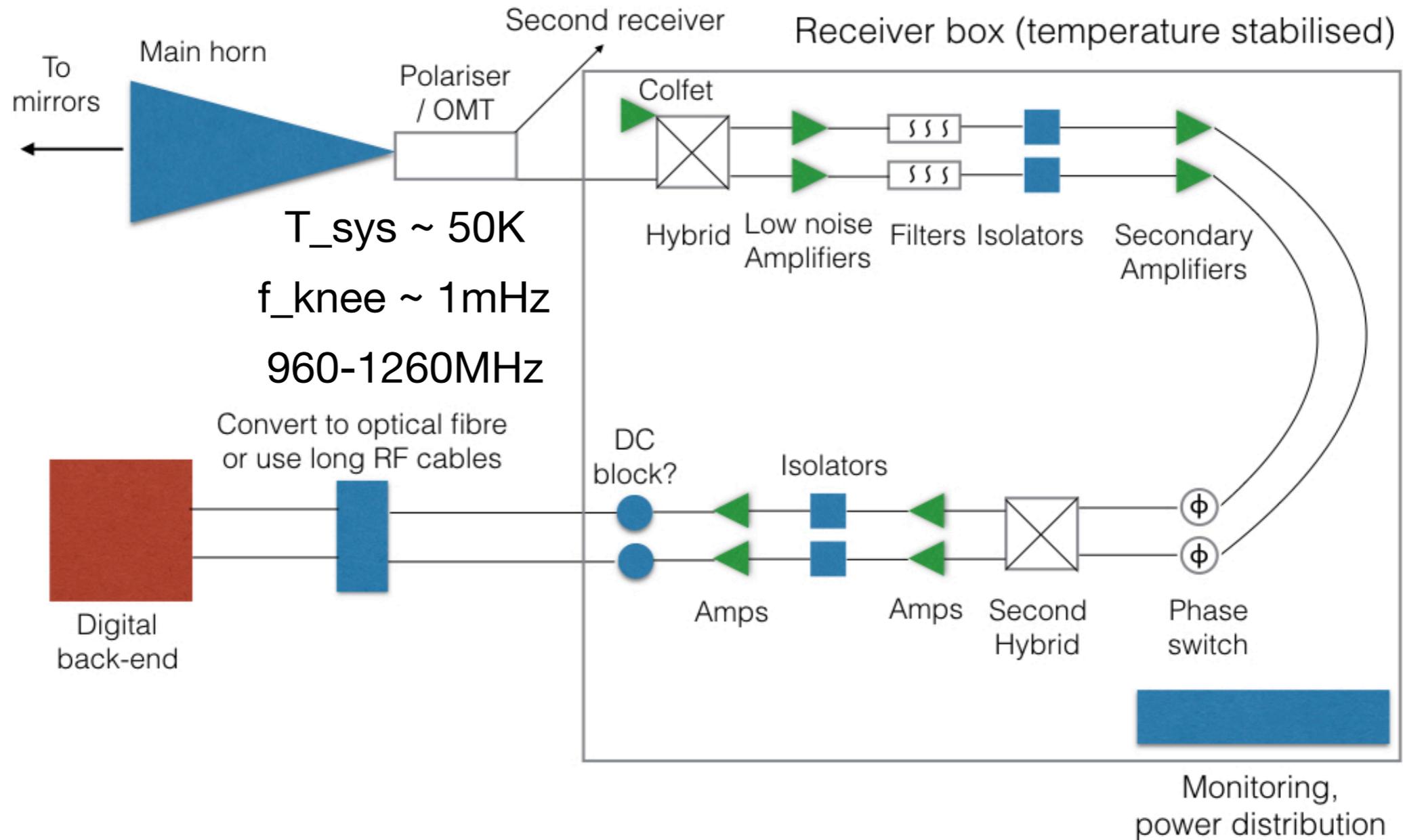
BINGO needs very clean optics



40m telescopes
(~1 degree resolution)
1.8x4.7m feed horns x 50
(15 degree field of view)



BINGO needs very stable receivers



No 1/f

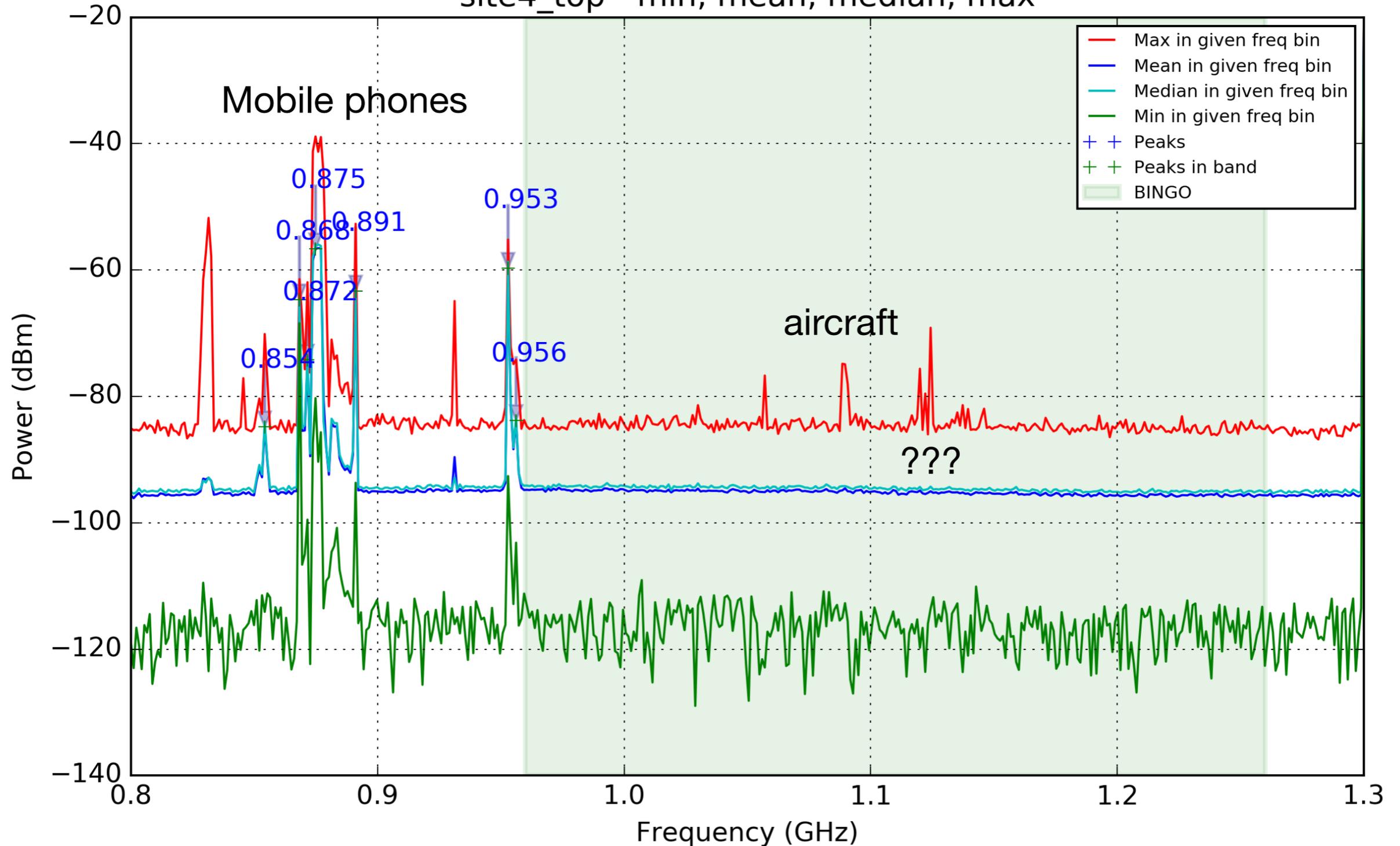


With 1/f

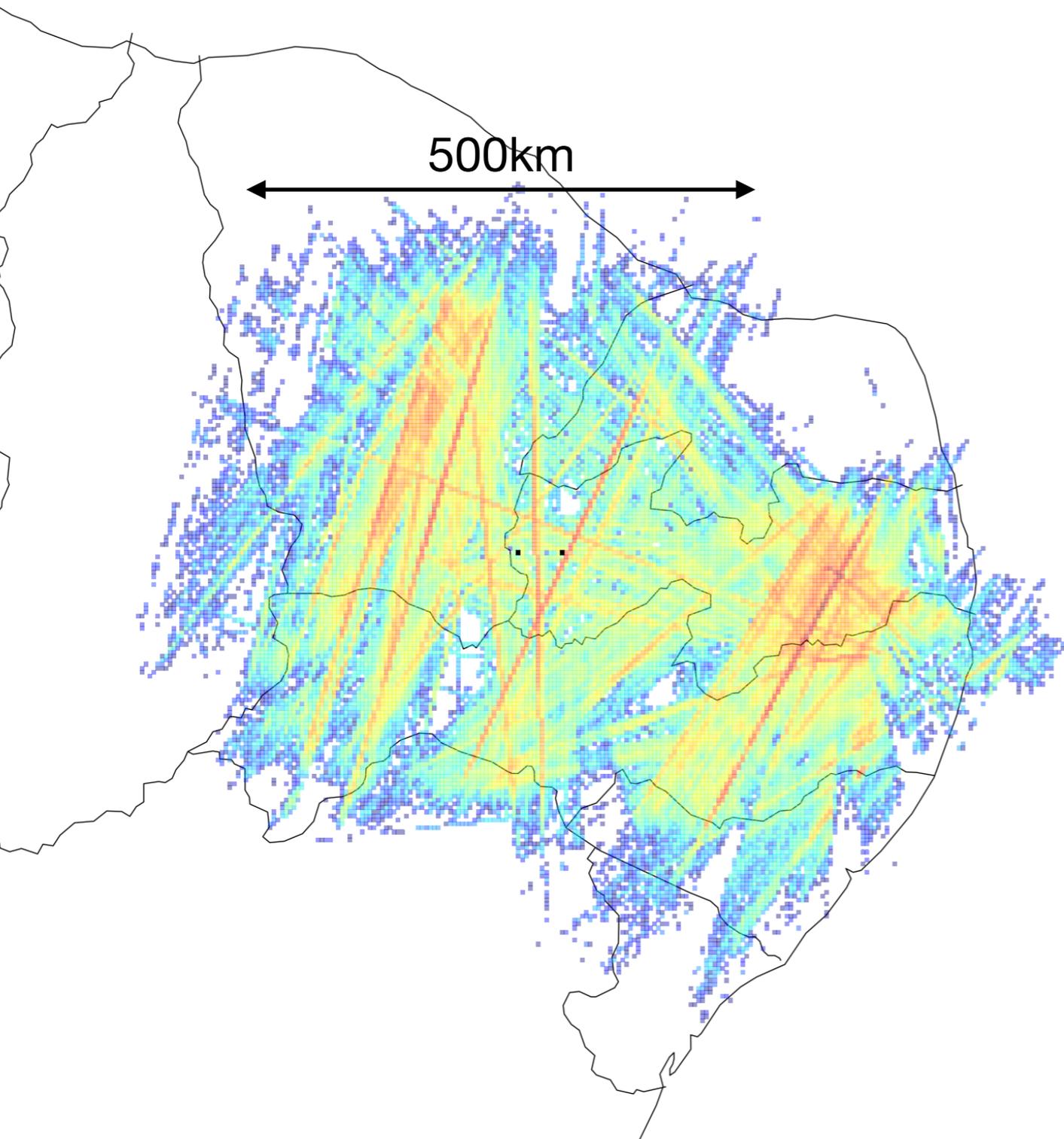


BINGO does not need RFI

Cachoera Paulista, São Paulo state
site4_top - min, mean, median, max

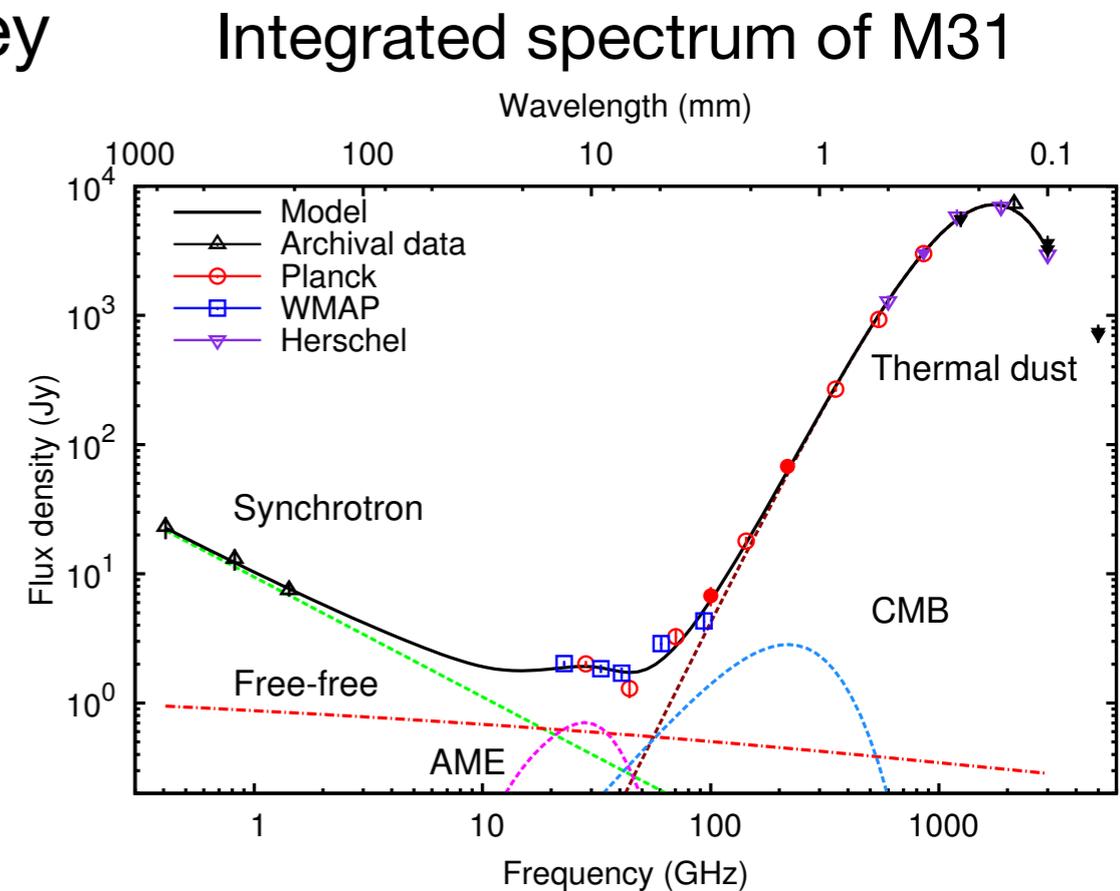


BINGO does not need nearby planes



(I also work on...)

- Planck satellite, C-Band All Sky Survey
- Diffuse Galactic foreground emission
 - Particularly AME at 30GHz (Anomalous Microwave Emission)
- Emission from nearby galaxies
- Radio “point” sources
- ... and anything else you can see in the sky at 1-1,000GHz ;-)
- Mix of technical, simulations, data reduction and analysis work



For more info, see the posters, and

<http://www.bingotelescope.org/>

