

**LOFAR**

## **CS1 HBA Layout**

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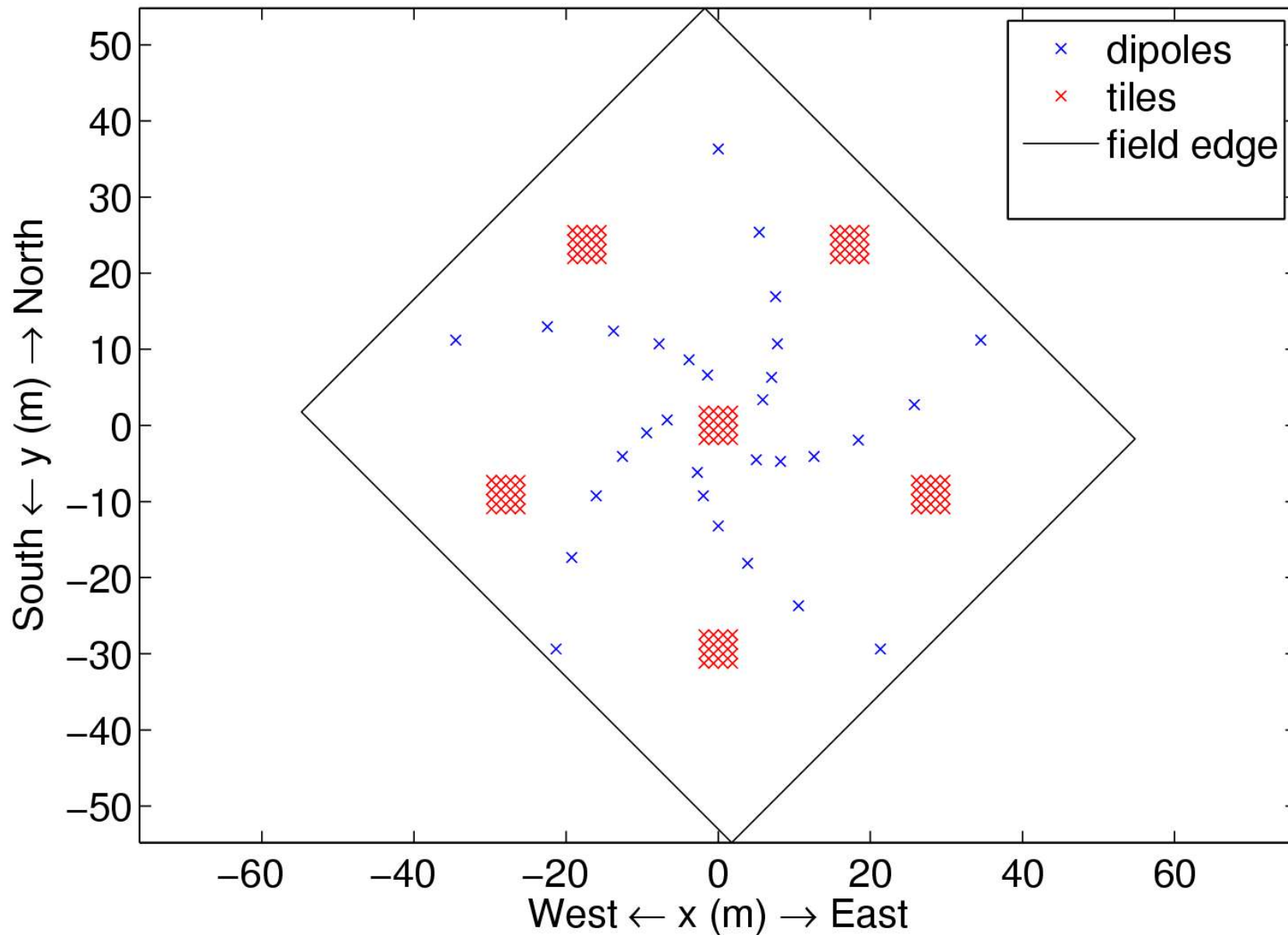
# Purpose of new HBA config

- Determining tile beam patterns
- Measuring quality of individual tiles
- Measuring variations in tile parameters
- Measuring coupling effects between tiles
- Imaging the sky

# What we need

- A simple, well understood reference telescope
- Baselines small enough to not resolve CygA, CasA, and the Sun
- Good uv-coverage for imaging
- Sparse distribution of tiles for individual tile tests
- Compact distribution of tiles for coupling tests

# Configuration





# PSF

