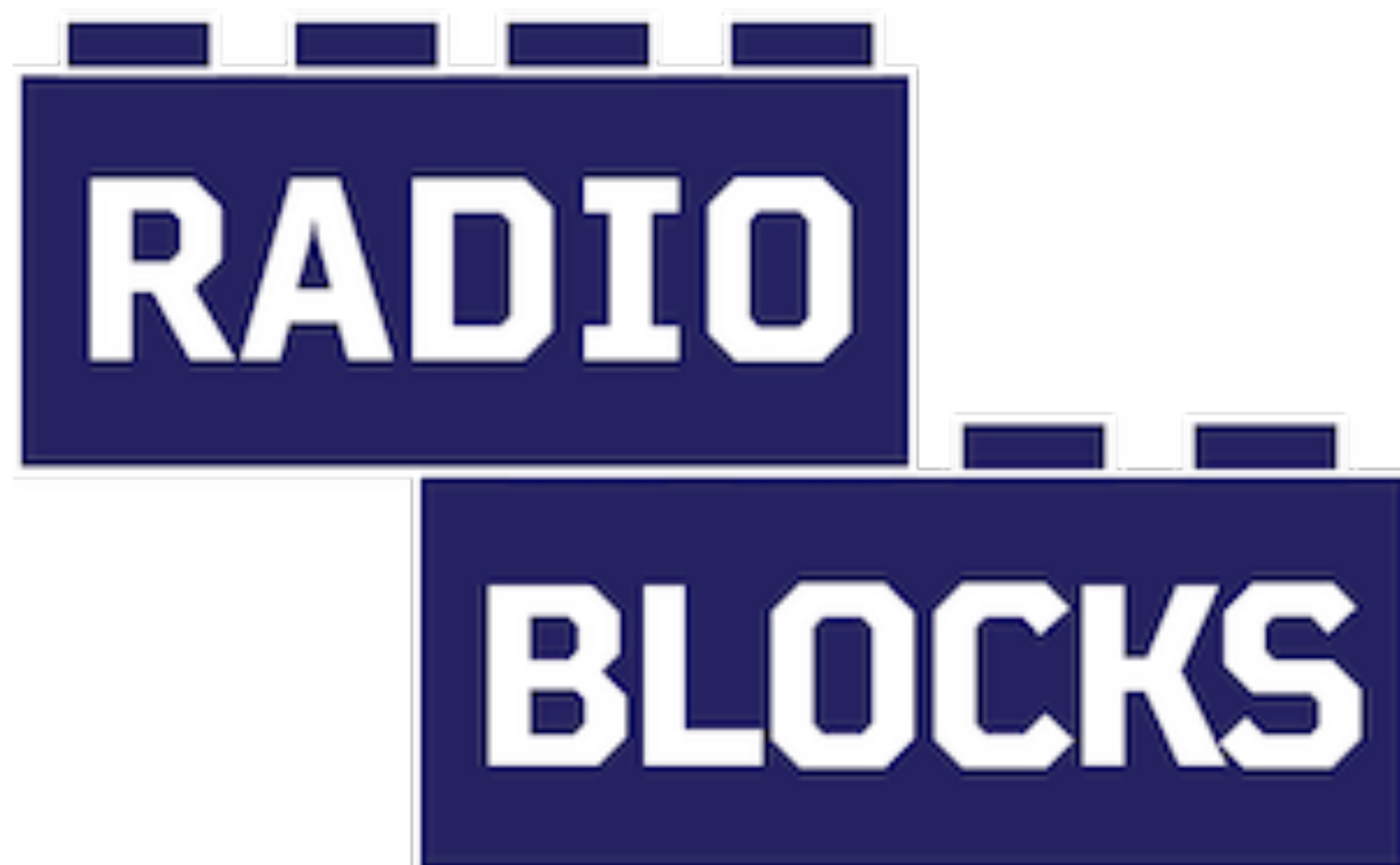




This project has received funding from the EU Horizon Europe research and innovation programme under grant agreement No 101093934.

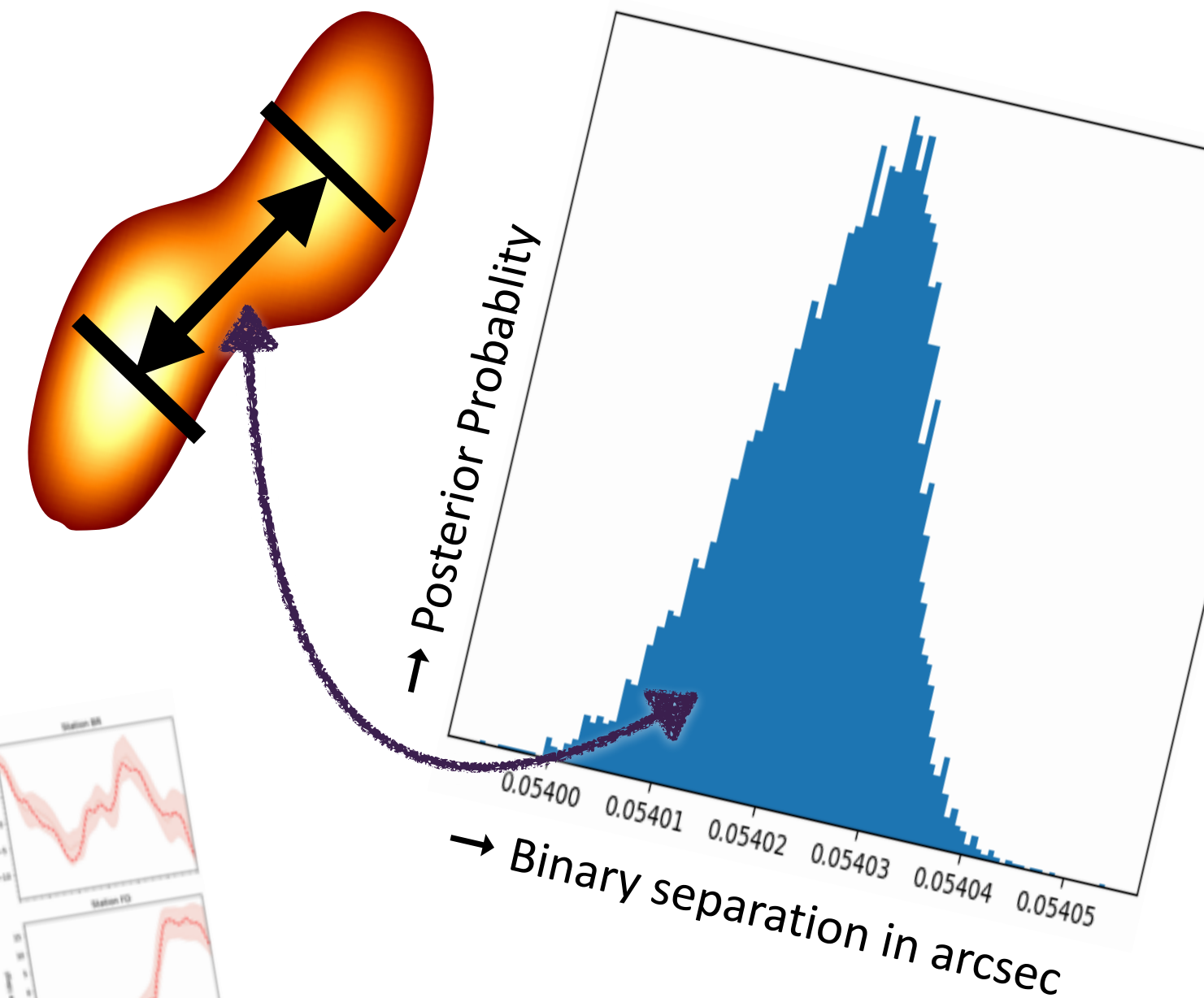
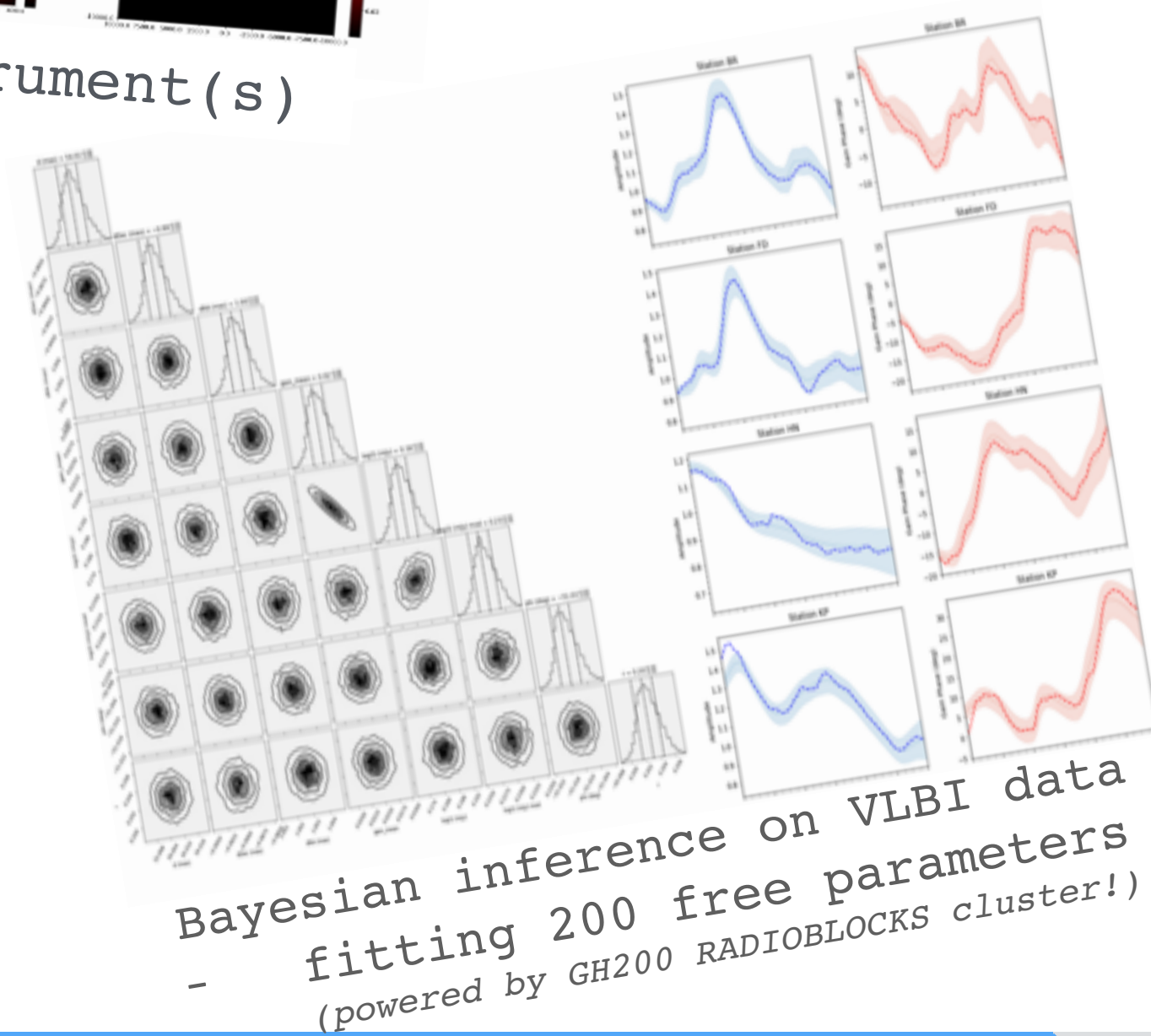
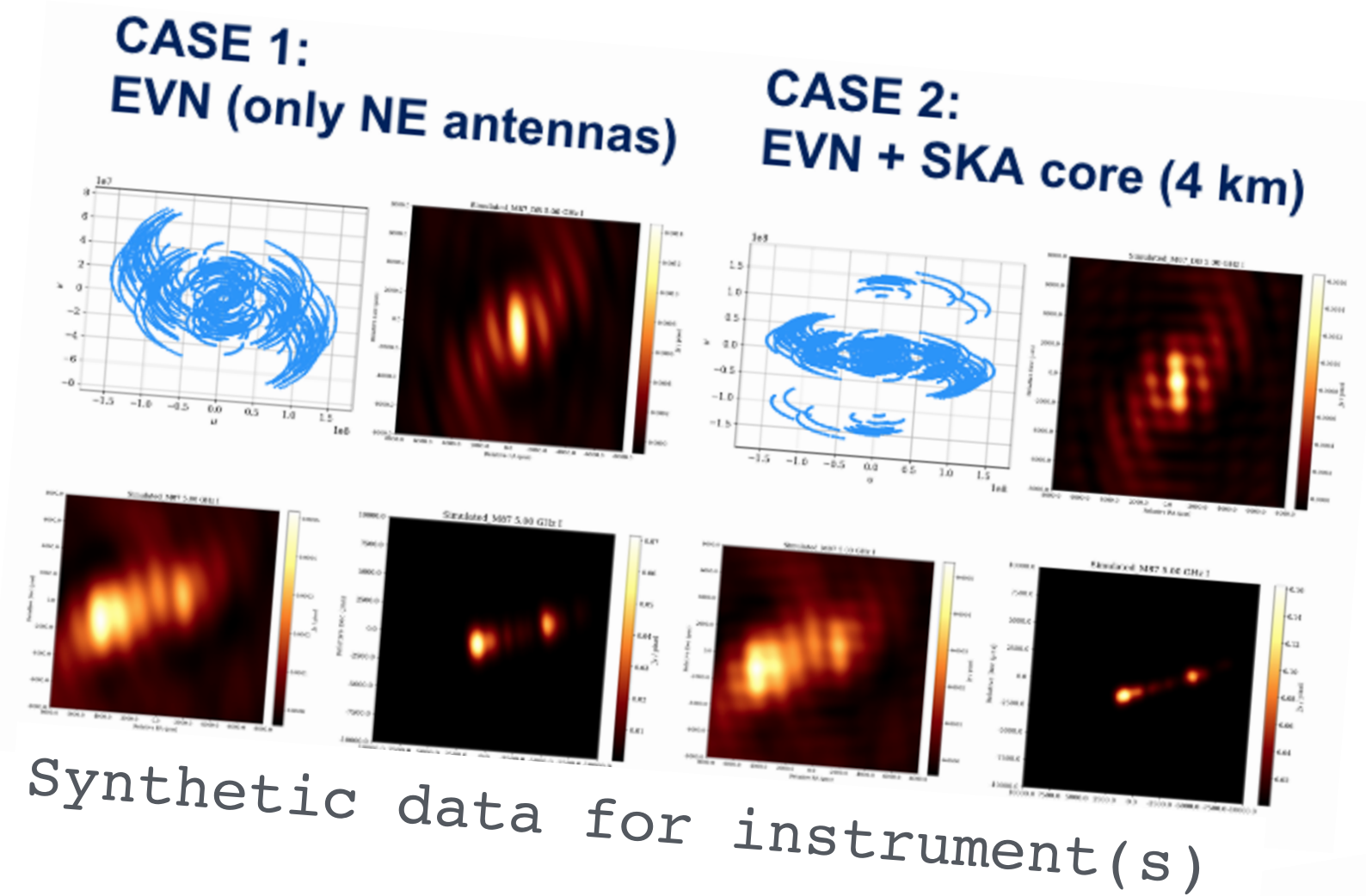
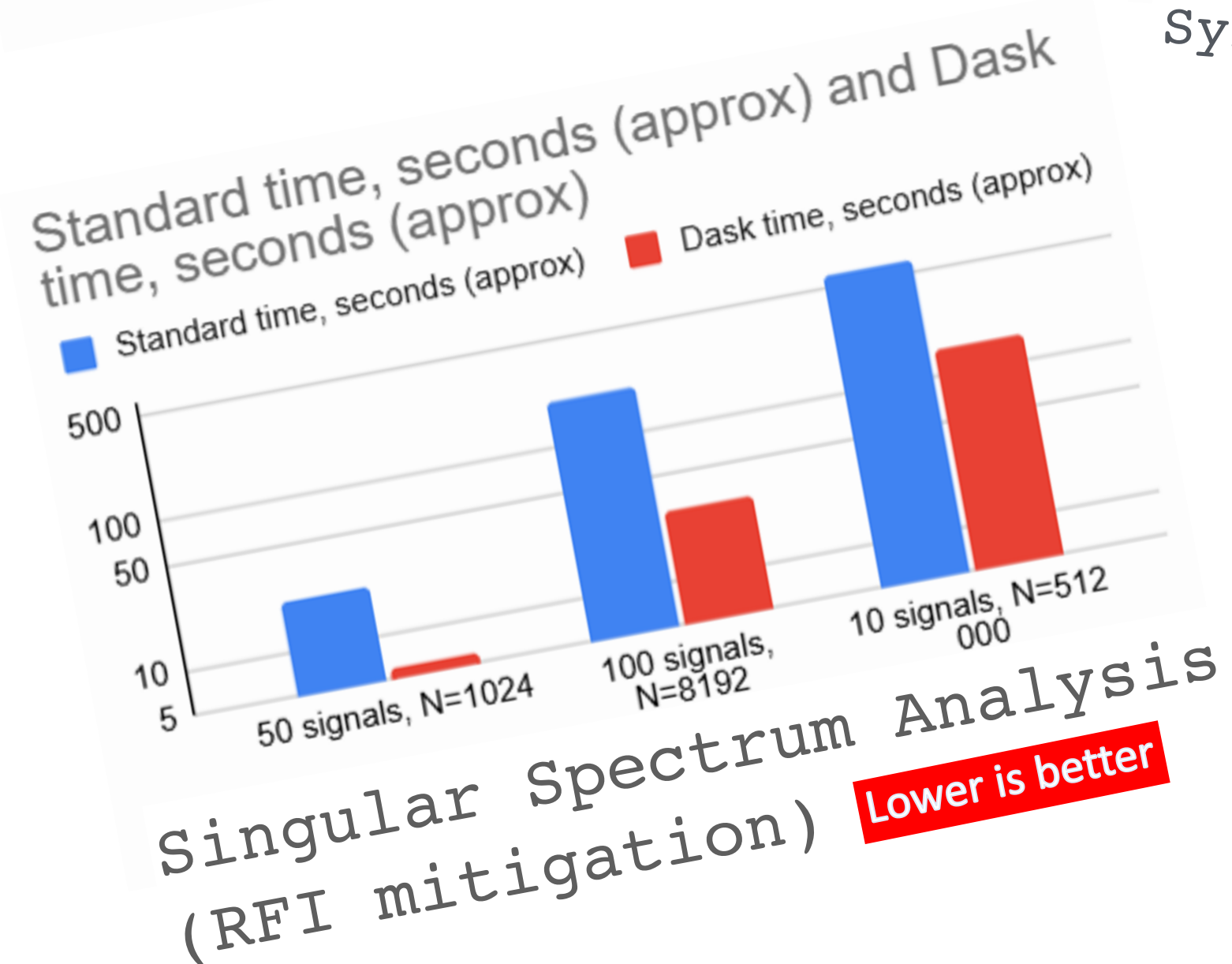
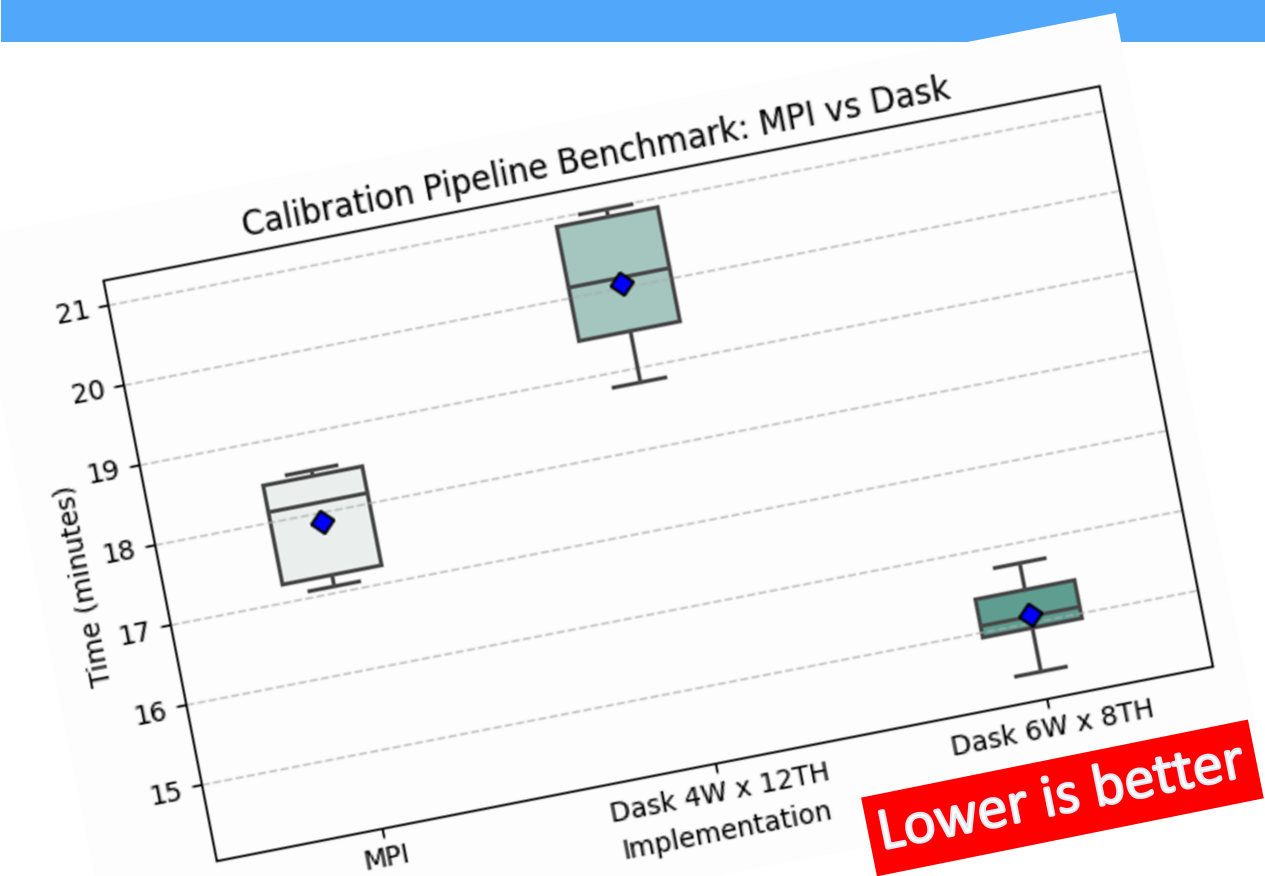
WP4: GPU-accelerated correlator

Current status

Aard's talk!

WP5: Advanced data processing

Current status





The ACME project has received funding from the European Union's Horizon Europe Research and Innovation programme under Grant Agreement No [101131928](#).

WP2 / WP3 / WP4 : TNA and VA

Current status (and until EoP)

- provide Trans-National Access to PIs
- provide Virtual Access (EVN Support+ program)
 - access to expert centers, e.g. JIVE
- provide support for
 - running the EVN Archive and the Virtual Observatory (VO) query service
 - running the JupyterHub
- federating JIVE JupyterHub with eduGAIN ✓

New proposal: "AURA"

Submitted: 16 Jun 2026, jury still out

Advanced Upgrades for Radio Astronomy

- Not *entirely* unlike RADIOBLOCKS ...
- Focus on:
 - Frequency-Phase-Transfer
 - tri-band hardware + software/calibration in CASA
 - mixed-polarization processing w/o PolConvert
 - high-speed real-time correlation (aim: 32 Gbps / station)
 - Societal impact:
 - Space Situational Awareness
 - Geodesy: better accuracy (source structure), higher bw, modern calibration