COBALT

Project Update

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Summary of Progress

ASTRON

- What happened since last LSM?
  - Week 1
    - First ‘Pulsar detection’ in Incoherent and Coherent mode
    - First Correlator Production run
  - Week 2
    - (Hardware) system performance severely degraded

Correlator Mode

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- First Production run done
  - 3C196 for EoR project
  - Data quality looks good, waiting for high DR image
    - Data still being transported to EoR cluster

- To be done
  - Final check on full pipeline: observing, correlating, post-processing, archiving
  - Broken antenna info in MS

Beamformed mode

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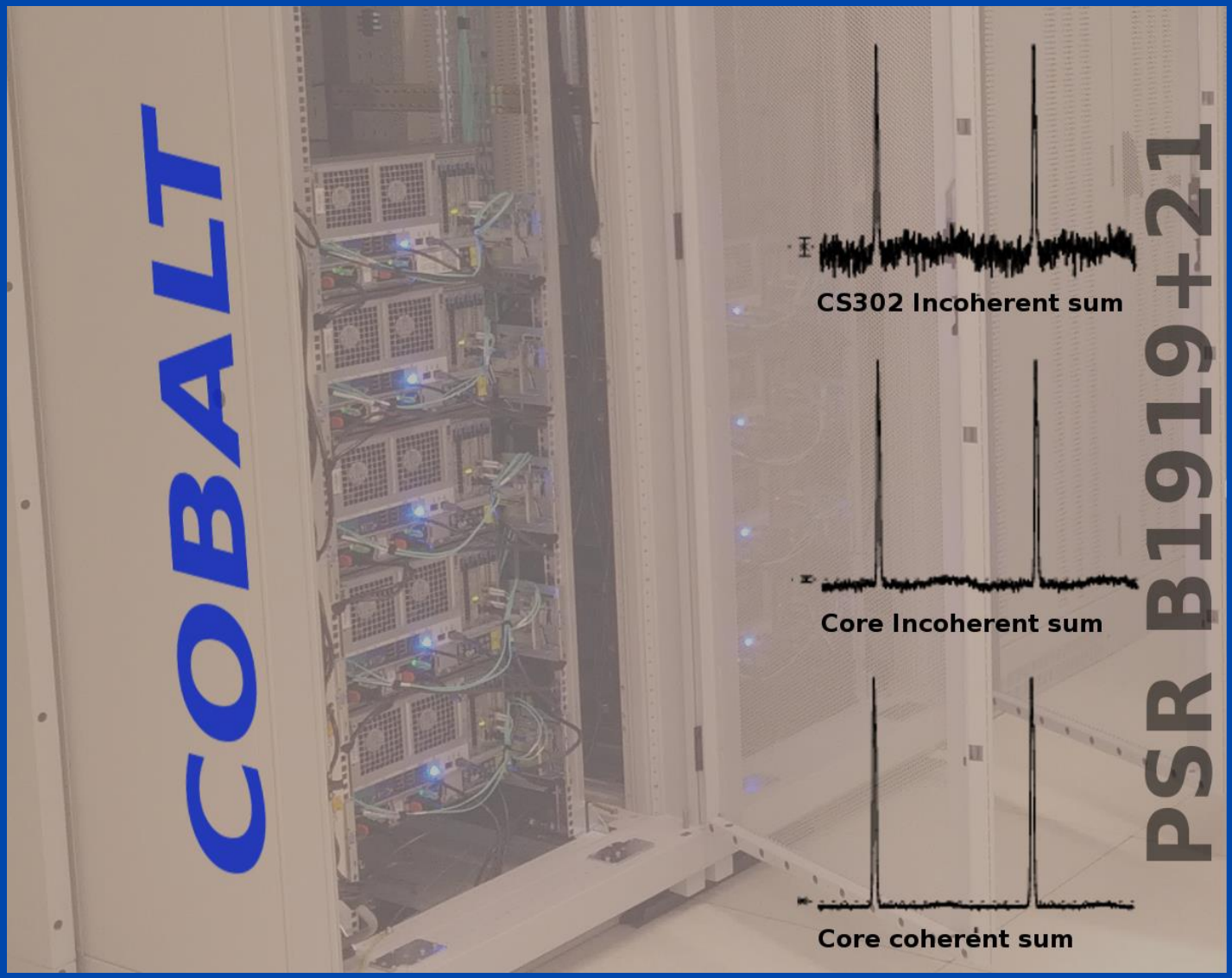

Beamformed Pipeline

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- Functional correctness of
  - Incoherent Stokes
  - Coherent Stokes (in phase center)
  - (can be used combined)

- To be done
  - Testing of performance improvement
  - Testing multiple TABs
    - TAB rings to be implemented
  - Testing Complex voltages
  - Testing IQUV
  - Integration / production testing

Fly's Eye mode

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- Test runs performed
- Bugs fixed
- To do: testing improved performance (same as BF)

Questions?