MeerKATHI (P10.40)

Developing an end-to-end data reduction pipeline for MeerKAT and other radio telescopes

The MeerKATHI collaboration

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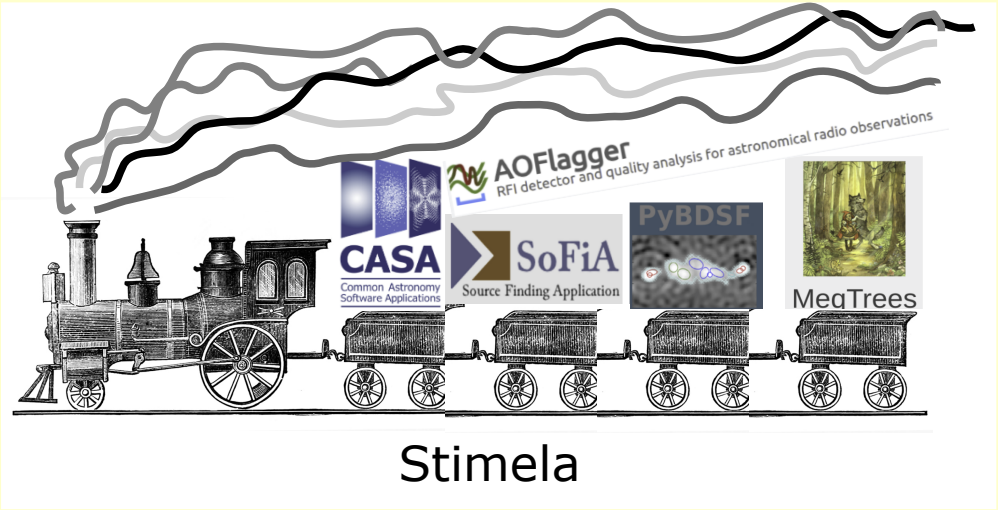
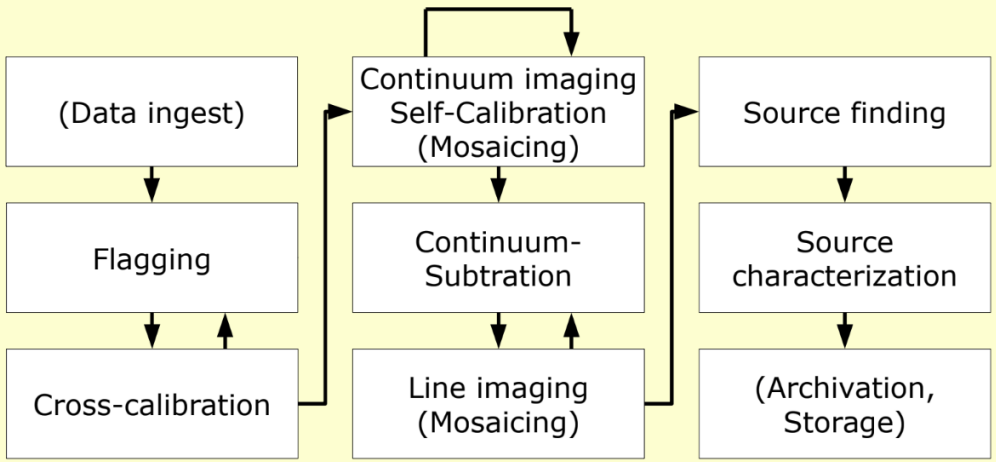
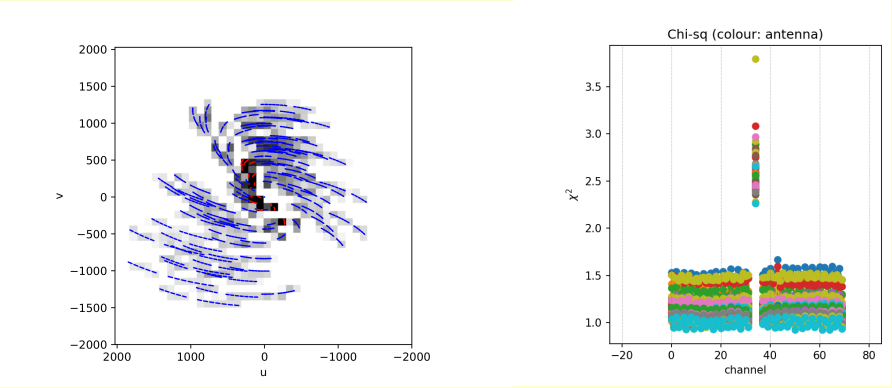
NRF National Research Foundation · SARAO South African Radio Astronomy Observatory · INAF Istituto Nazionale di Astrofisica · OAC Osservatorio Astronomico di Cagliari · Rhodes University Where leaders learn · RUB Ruhr Universität Bochum · Universiteit van Pretoria University of Pretoria Yunibesithi ya Pretoria · Argelander-Institut für Astronomie · ASTRON Netherlands Institute for Radio Astronomy · rijksuniversiteit groningen · University of Cape Town iYunivesithi yaseKapa

Architecture and work flow (P10.40)

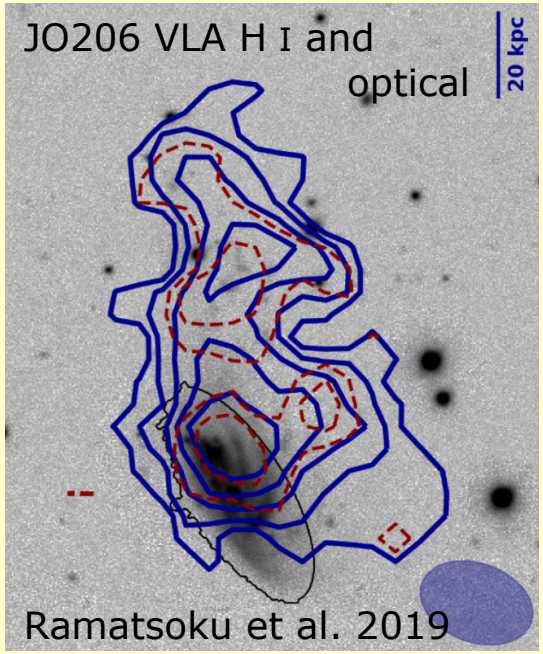
- Python
- Stimela (Makhathini et al.)
  - Standardized access to a large suite of sofware packages (WSClean, CASA, ...)
  - Containerization (universal access through Podman, Docker, uDocker, Singularity)
- Purpose-tailored software
- Quality assessment

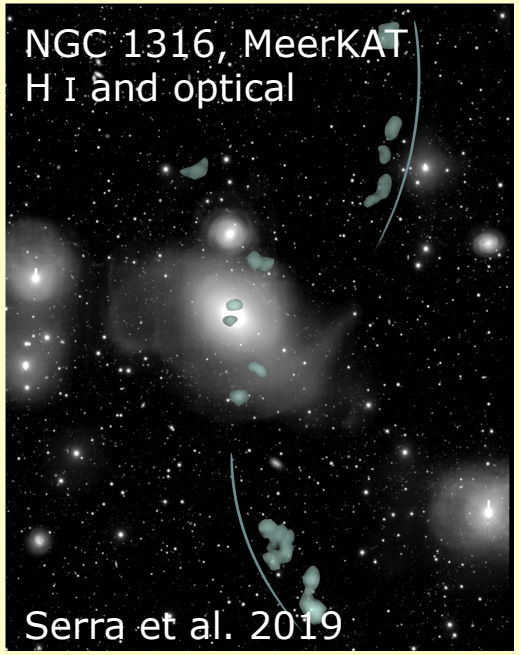


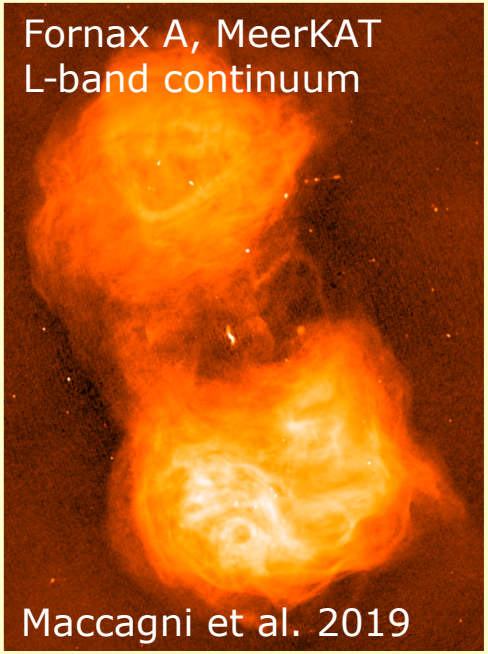


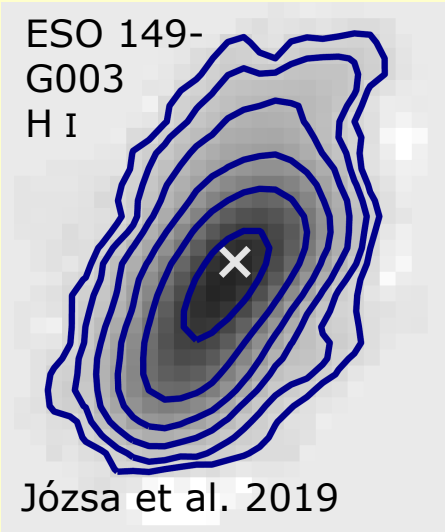


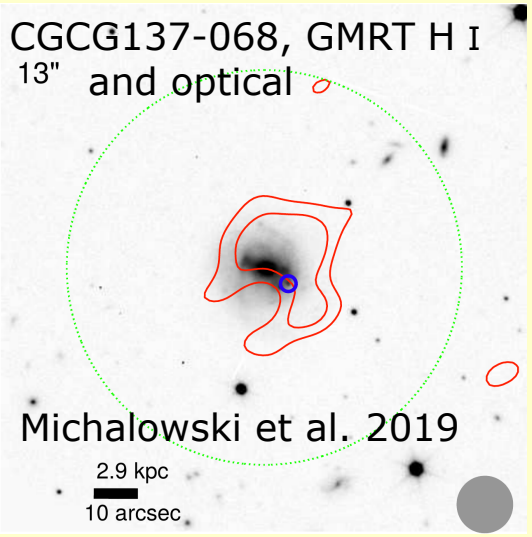
Proof of pudding (P10.40)

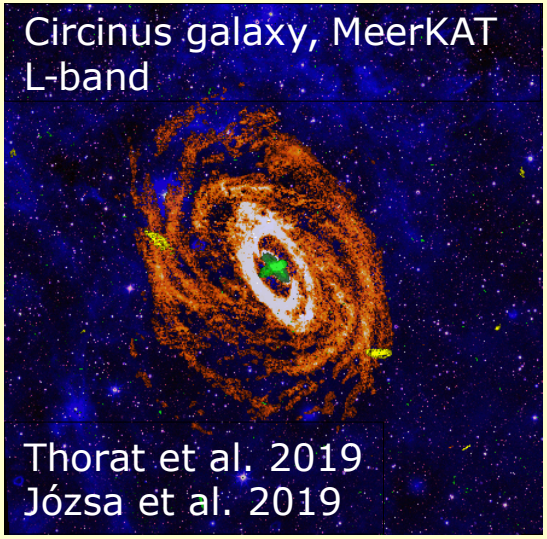












Becoming public this year

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