AST(RON

Netherlands Institute for Radio Astronomy

OFAR

LOFAR Calibration & Imaging Tiger Team

## Status Update

George Heald LOFAR Status Meeting 05/03/2014

ASTRON is part of the Netherlands Organisation for Scientific Research (NWO)













## Faster calibration: stefcal in NDPPP **IDFAR AST**(RON

- Goal: make calibration faster
  - Decrease run time, decrease memory usage
  - Direction independent calibration is used in selfcal loop
- How to achieve this
  - Avoid the overhead of BBS, use NDPPP instead
    - BBS will remain there for more involved calibration schemes

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- Use stefcal for direction independent calibration
- Use multithreading
- Status
  - Not ready for general testing yet
  - Gain only calibration works
  - Full polarization calibration shows <u>speedup of ~15x</u>
  - Beam can be applied
  - Investigating directional gains

George Heald / LOFAR status meeting / 05-03-2014









