



Netherlands Institute for Radio Astronomy

LOFAR v1.0 Development Status

System Development
Harm Munk

Software development cycle planning (Sprints)



30 januari

20 april

Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16
Sprint 0.92			Sprint 0.93			Test Sprint 1, Test Sprint 2					

- Sprint duration: 3 or 4 weeks
- Test Sprints
 - Test and characterise LOFAR
 - No functionality added to LOFAR v1.0
 - Simultaneous development for LOFAR v1.1

TA mode



- Tested in previous cycle
 - Beamformed modes available:
 - Data formats: CS, IS, complex voltages
 - Per TA beam
 - 2nd transpose
 - On-line coherent de-dispersion

Automatic Pipeline Startup



Aspects:

- Scheduling
- Measurement Set contents
- Automatic startup mechanism (MAC)

MSSS pipeline:

- Calibrator Pipeline: directly after observation
 - Tested, bug fixing
- Target Pipeline: directly after observation
 - Under development, to be tested
- Imaging Pipeline: “off-line”
 - To be done (1m)

Development cycle/Sprint 0.93



- Long Term Archive
 - Metadata: minimum set, data flow
- Finish initial source finder database
- On-line test system