"CS1" Engineering Status
2 APril 2008

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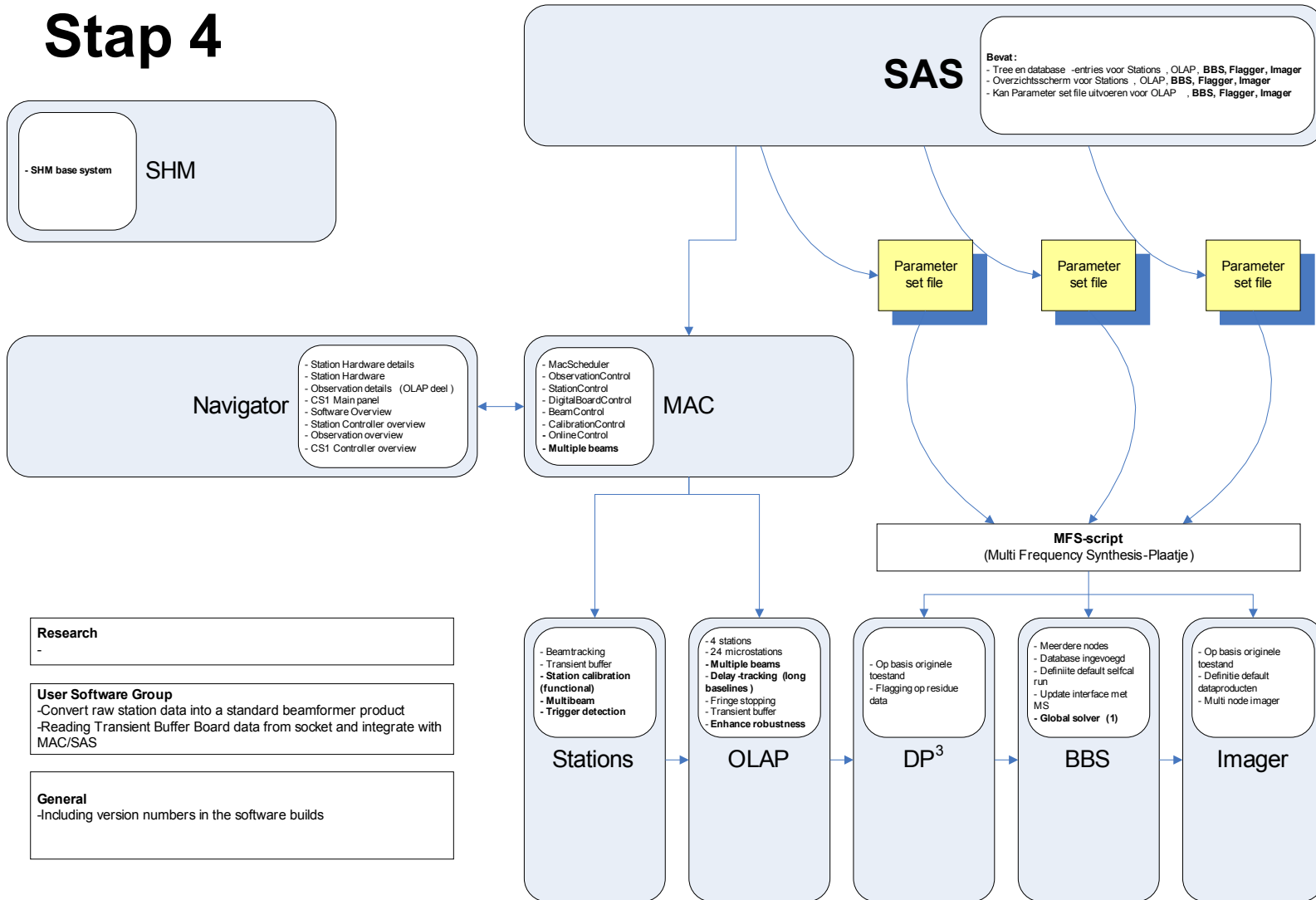CS008   CS010   CS001   CS016

Station procurement status

- Contract negotiations ongoing with production companies
- First technical meetings held

LOFAR

Software Development Status

Stap 4

SHM
- SHM base system

SAS

Bevat :
- Tree en database -entries voor Stations , OLAP, **BBS, Flagger, Imager**
- Overzichtsscherm voor Stations , OLAP, **BBS, Flagger, Imager**
- Kan Parameter set file uitvoeren voor OLAP , **BBS, Flagger, Imager**

Parameter set file

Parameter set file

Parameter set file

Navigator
- Station Hardware details
- Station Hardware
- Observation details (OLAP deel)
- CS1 Main panel
- Software Overview
- Station Controller overview
- Observation overview
- CS1 Controller overview

MAC
- MacScheduler
- ObservationControl
- StationControl
- DigitalBoardControl
- BeamControl
- CalibrationControl
- OnlineControl
- **Multiple beams**

MFS-script
(Multi Frequency Synthesis-Plaatje)

Research
-

User Software Group
- Convert raw station data into a standard beamformer product
- Reading Transient Buffer Board data from socket and integrate with MAC/SAS

General
- Including version numbers in the software builds

Stations
- Beamtracking
- Transient buffer
- **Station calibration (functional)**
- **Multibeam**
- **Trigger detection**

OLAP
- 4 stations
- 24 microstations
- **Multiple beams**
- **Delay -tracking (long baselines)**
- Fringe stopping
- Transient buffer
- **Enhance robustness**

DP^3
- Op basis originele toestand
- Flagging op residue data

BBS
- Meerdere nodes
- Database ingevoegd
- Definiite default selfcal run
- Update interface met MS
- **Global solver (1)**

Imager
- Op basis originele toestand
- Definitie default dataproducten
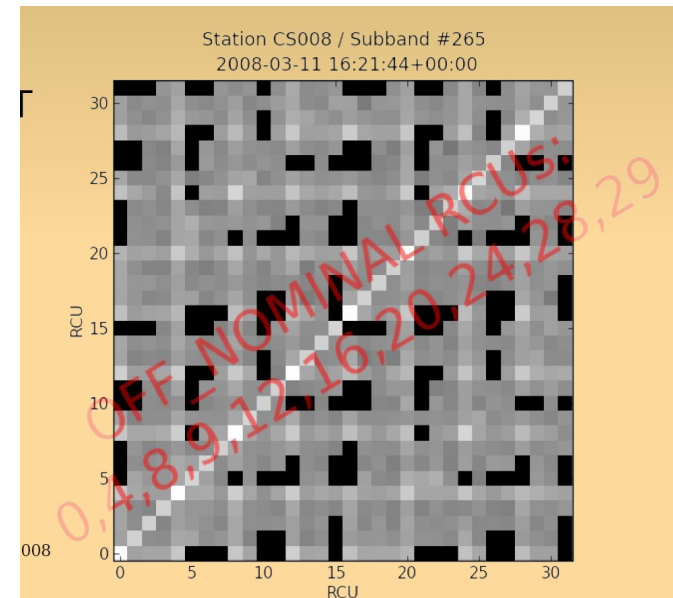- Multi node imager

LOFAR

Station calibration

- Algorithms funcionally validated by use of
    - LBA monitoring data from one weekend
- LBA station calibration algorithms are ready to be implemented in the LCU

OLAP Status

- OLAP software made more robust (against failing stations and CEP hardware)

- Data is fed in BG/L directly (input cluster removed)

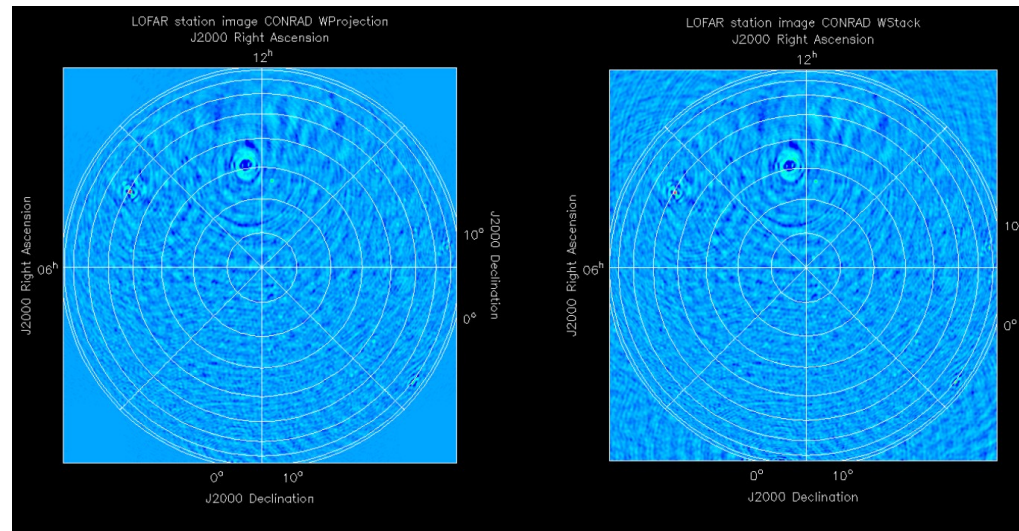- Multiple beams possible (not handed over formally to operations yet)

MAC/SAS/SHM Status

- TBB control framework finished
- MAC/SAS is now able to schedule and control:
  - Stations
  - OnLine Applications and Processing software
- SHM console available

Station CS008 / Subband #265
2008-03-11 16:21:44+00:00

Flagger, Self-Calibration and Imager Status

- Distributed imager build in Groningen and under validation by one of the KSPs
- Flagging algorithm included in pipeline
- Implementation of global solver ongoing

USG Status

- ◆ Connection TBB – CEP established
- ◆ Conversion of raw station data to standard beamformer product