

CS-1 developments: 23 - 31 May 2007

- **General**

No news ?

2) Rollout status

HBA antennas out on CS010

Outstanding / new / **solved** 'technical' issues:

3) Stations

- 200 MHz mode problems: still to be solved
- 'autocorrelation' dips in LBA/160 data: **quantization problems in beamformer**
- Y-polarization RFI problem at low frequencies (see May 9 meeting) : **no progress**
- 8ch-periodicity in RFI signals at low frequencies (intermodulation?): **no progress**

4) CEP (SAS/MAC/OLAP)

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Progress reports on observations and data analysis

5) New observations

- weekend 25-29 May --> HBA 24h CasA L2410
- LBA 24h CasA L2412
- LBA 24h CygA L2413
- LBA 14h transient field L2414

6) Calibration:

- New images of L2339 (Sun)

7) Imaging

- position issue now laid to rest ? Sun+Cas A+Tycho observation L2339

8) Noise / RFI analysis

- peculiar RFI patterns (8ch periodicity and Y-polarization) still to be taken up with RFI team

Progress reports on modeling and simulation activities

§ **Beam modeling:** Sarod

§ **Ionospheric modeling:** Maaijke, Jim, Jan

11) Source models (LSM, GSM, fluxscale): Leiden ?

12) Processing issues (convergence, speed): no progress

13) Data quality & DR

Solar flare provides some interesting opportunities.

Interesting closure phase patterns ! (see Pandey talk)

14) RFI and intermodulation: (Boonstra)

Observing schedule and planning (23 - 31 May 2007)

Currently waiting in queue:

'Astronomical' commissioning:

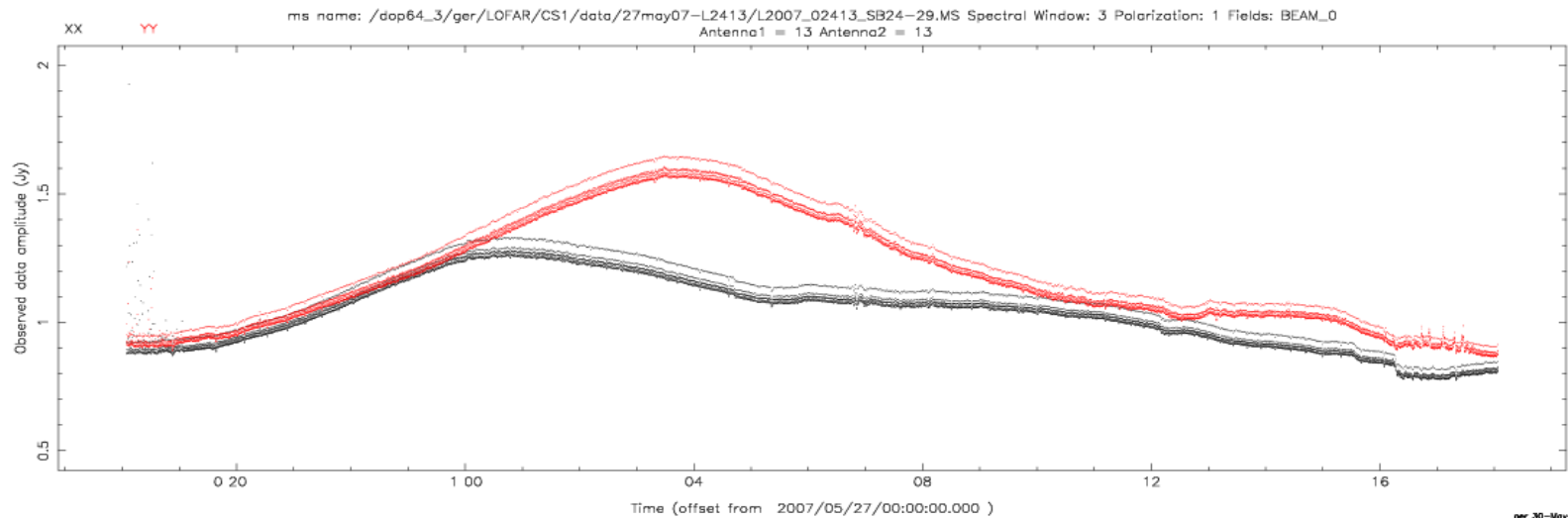
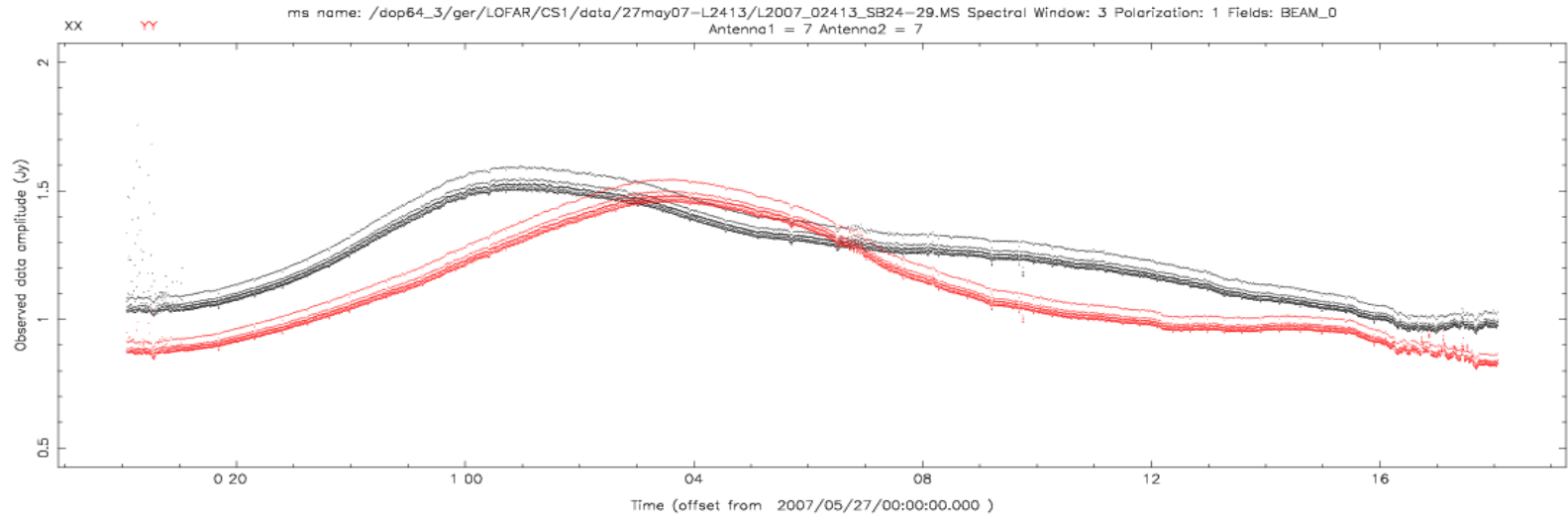
- Pulsars with HBA/160 to allow high frequencies up to 230 MHz (Stappers)
- Transient area (Law, Miller-Jones) : 4x12h done , 6 to go.

'Technical' commissioning HBA: Michiel Brentjens test plan

LBA 160 MHz, quantization problems: further 'dip' tests

LBA: 200 Mhz further test need to be done.

L2413 (27may07) ANT 7 24h on CygA



L2413 (27may07) ANT1 (= 48dipoles) 24h on CygA

64_3/ger/LOFAR/CS1/data/27may07-L2413/L2007_02413_SB24-29.MS Spectral Window: 3 Polarization: 1
XX YY Antenna1 = 1 Antenna2 = 1

