

Engineering Status

André W. Gunst

CS008

CS010

CS001 CS016



Station procurement status

- CEP tender is out now!

CS001T

- CS001T down @ 29 April 2008
- # RSP boards reduced from 3 to 2

Some results from HBA tile total powers

17-19 April 2008

SB5 139 MHz

All 4 HBA tiles were tracking CygA

Ger de Bruyn

Tile1

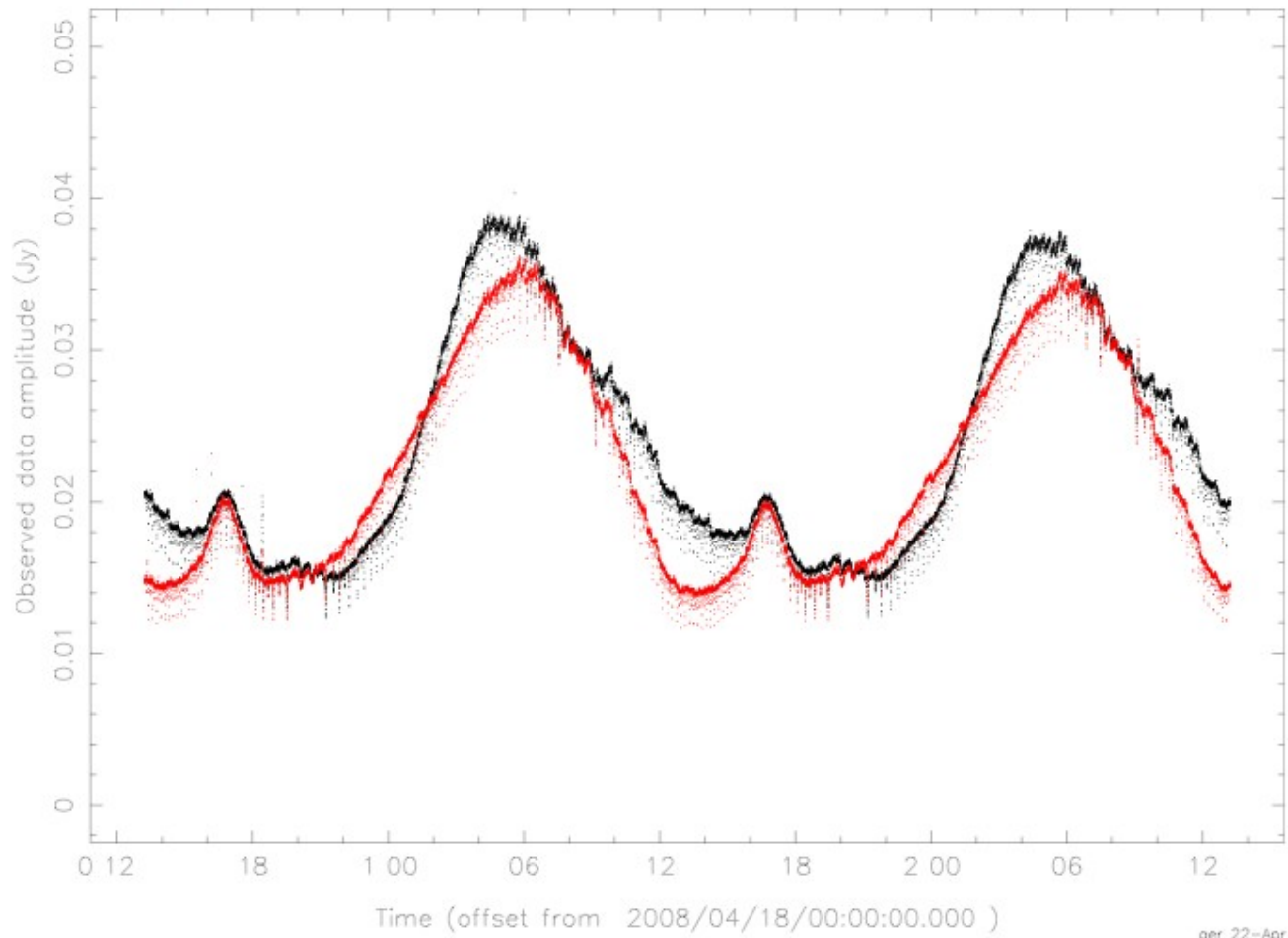
2x24h

17-19apr08

SB5

<ch121-129>

ie: /dop64_3/ger/LOFAR/CS1/data/19apr08-L6100/SB5_9CH.MS Spectral Window: 1 Polarization: 1 Fields:
XX YY Antenna1 = 9 Antenna2 = 9



Tile2

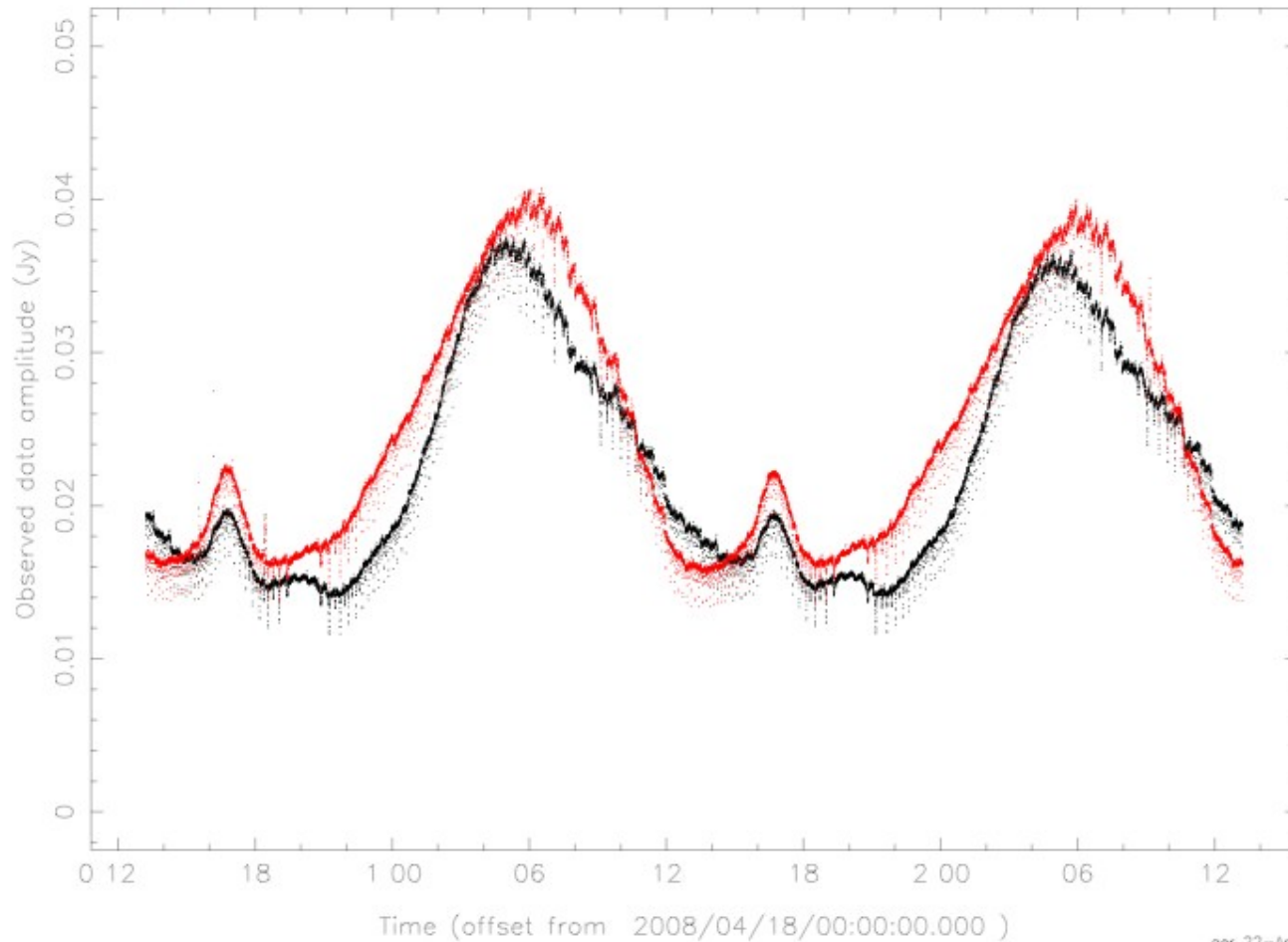
2x24h

17-19apr08

SB5

<ch121-129>

ie: /dop64_3/ger/LOFAR/CS1/data/19apr08-L6100/SB5_9CH.MS Spectral Window: 1 Polarization: 1 Fields:
XX YY Antenna1 = 10 Antenna2 = 10



Tile3

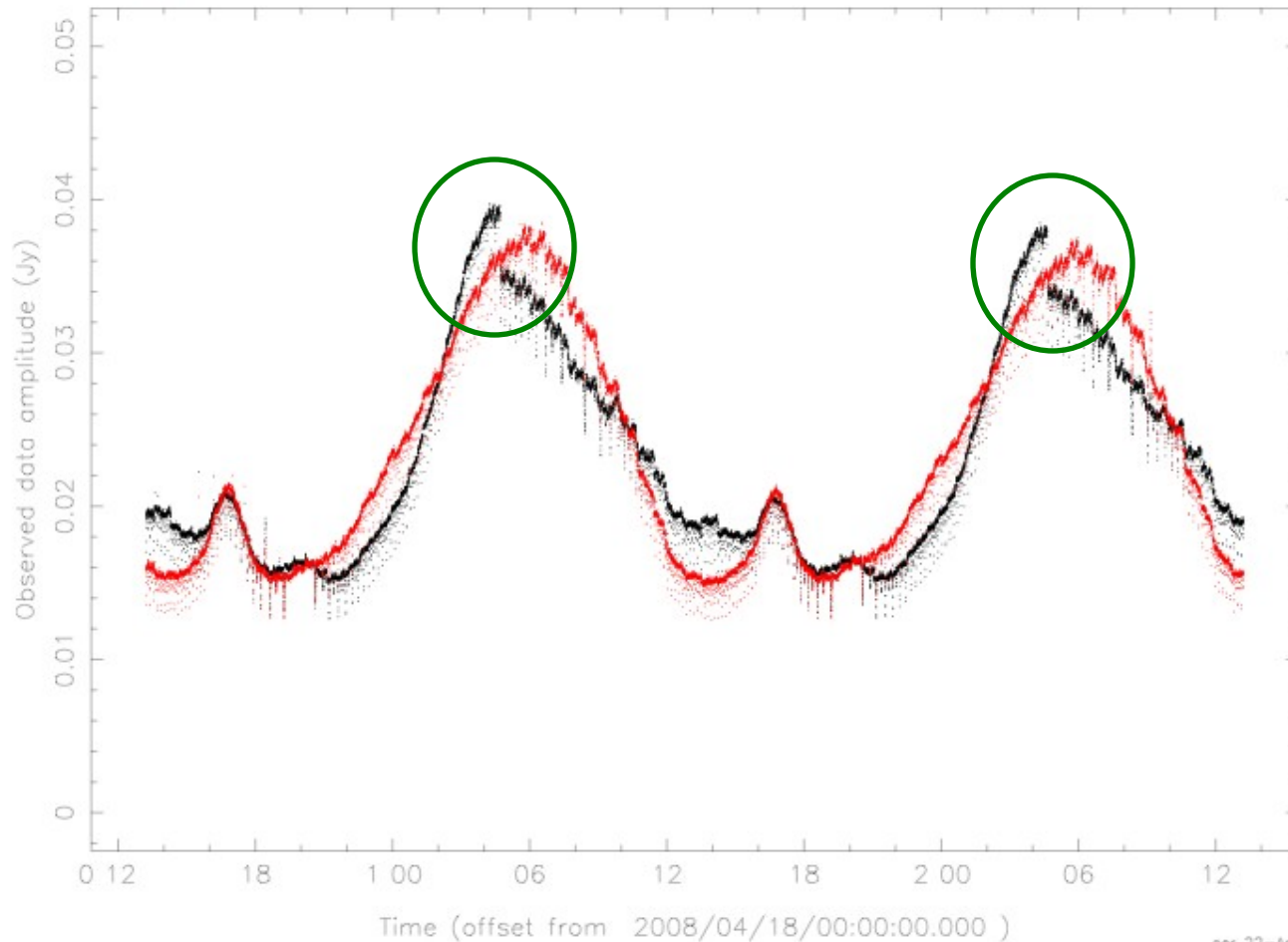
2x24h

17-19apr08

SB5

<ch121-129>

ie: /dop64_3/ger/LOFAR/CS1/data/19apr08-L6100/SB5_9CH.MS Spectral Window: 1 Polarization: 1 Fields:
XX YY
Antenna1 = 11 Antenna2 = 11



Tile4

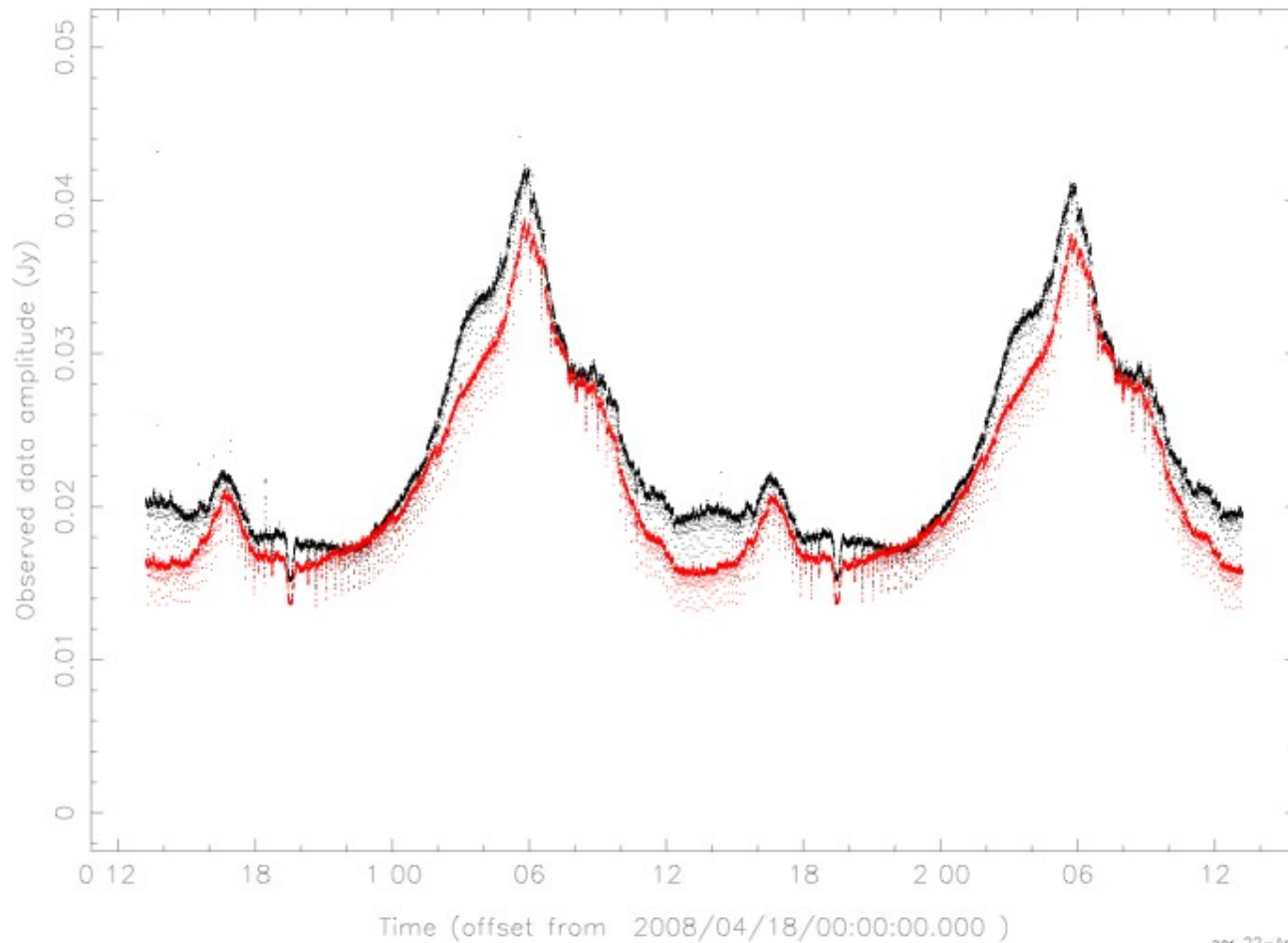
2x24h

17-19apr08

SB5

<ch121-129>

ie: /dop64_3/ger/LOFAR/CS1/data/19apr08-L6100/SB5_9CH.MS Spectral Window: 1 Polarization: 1 Fields:
XX YY Antenna1 = 12 Antenna2 = 12



Some preliminary observations

- All tile total powers repeat very well from day to day
- The 'dips in total power' probably require a boost of the gain used in the beamformer
- Tile 3 shows a 10% dip near the peak, repeating the next day
- Tile 4 show very different ('peaked') behaviour compared to the other 3 tiles