Results from CS1 Pulsar Observation

LOFAR Status Meeting 23 April 2008



Observation details
Data Reduction
Results

Observations

Aim: beam shape of the 6-tile telescope CS1 as transit telescope ■ CS1 – 6 HBA Tiles, 96 dipoles • $A_{eff} = 25 \text{ m}^2$ $(G_{dip} = 1.5 \text{ and } \lambda = 1.5 \text{ m})$ Tiles pointed to zenith 170-230 MHz, 48 subbands, 160 MHz sampling ~650 GB data for 3-hour observation

Data Reduction

Convert to 8-bit format
Reduce data: Dump single pulses
Form 30-sec sub-integration
Combine groups of subbands

First look....





Profile changes?



Results









Plot from Ben Stappers.

New Observation – 13 Apr

Test trackingNeeds to be debugged

