



First images from Effelsberg

Stefan J. Wijnholds
e-mail: wijnholds@astron.nl

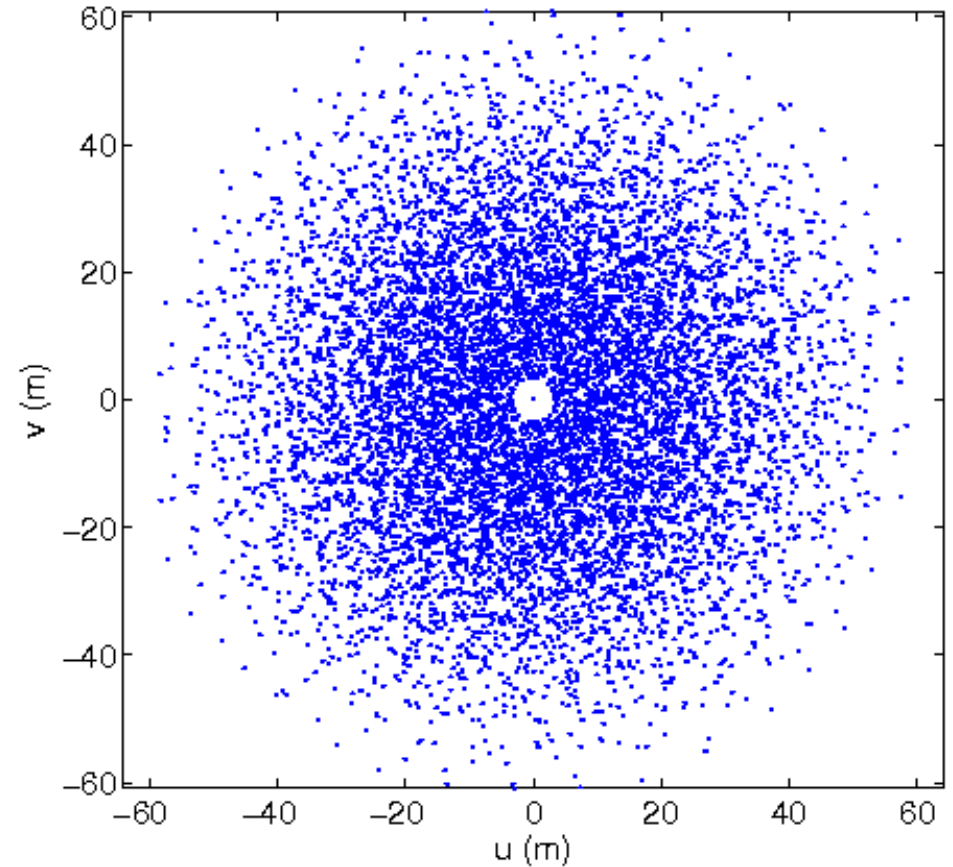
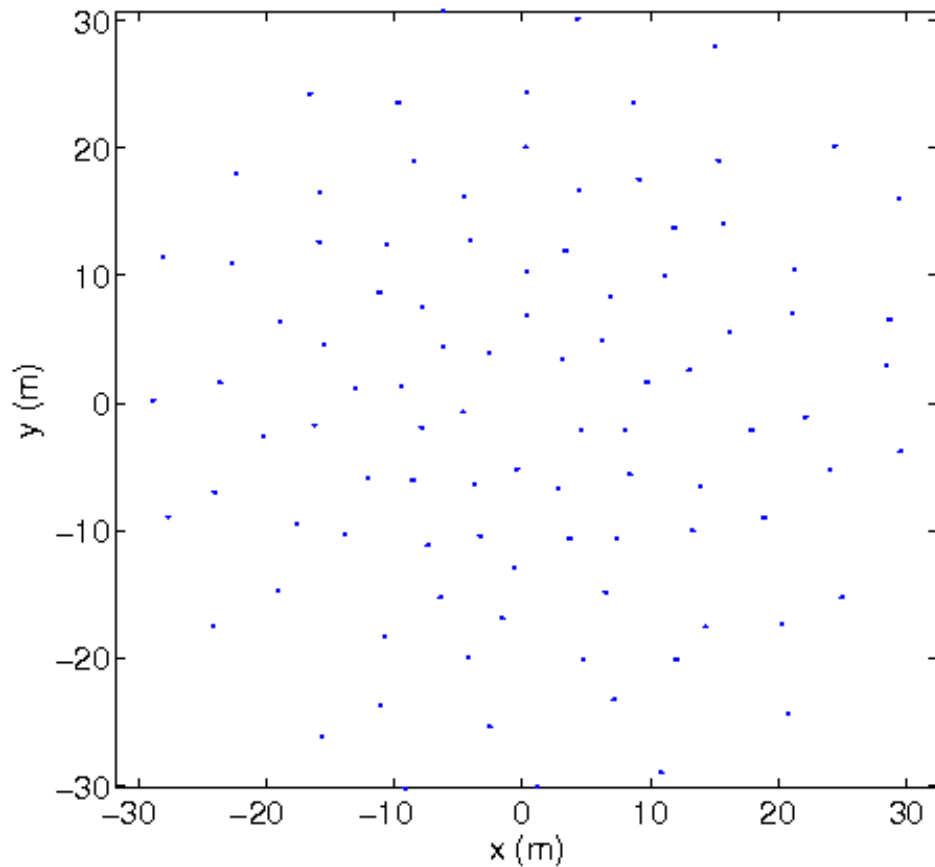
CS1 meeting
Dwingeloo, 14 November 2007



Effelsberg configuration



96 element LBA station with CS10 configuration

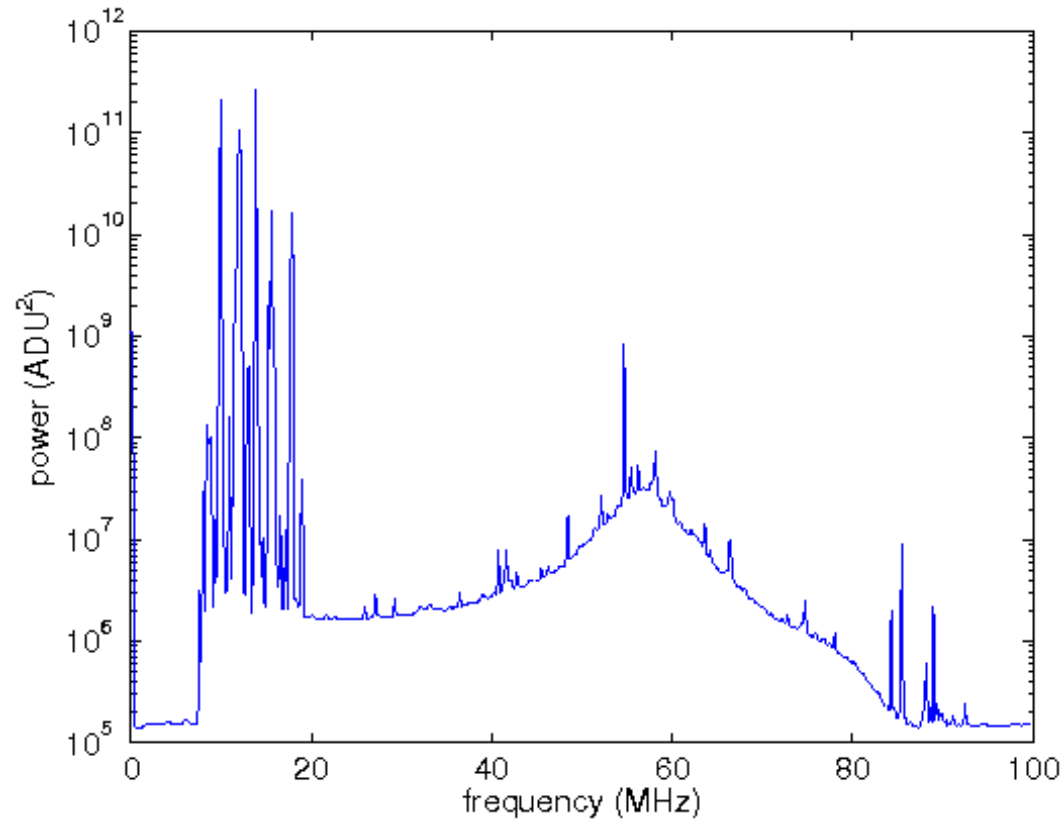


Spectrum



spectrum on x-dipole of LBA 0

much “grass” on band pass shape near resonance

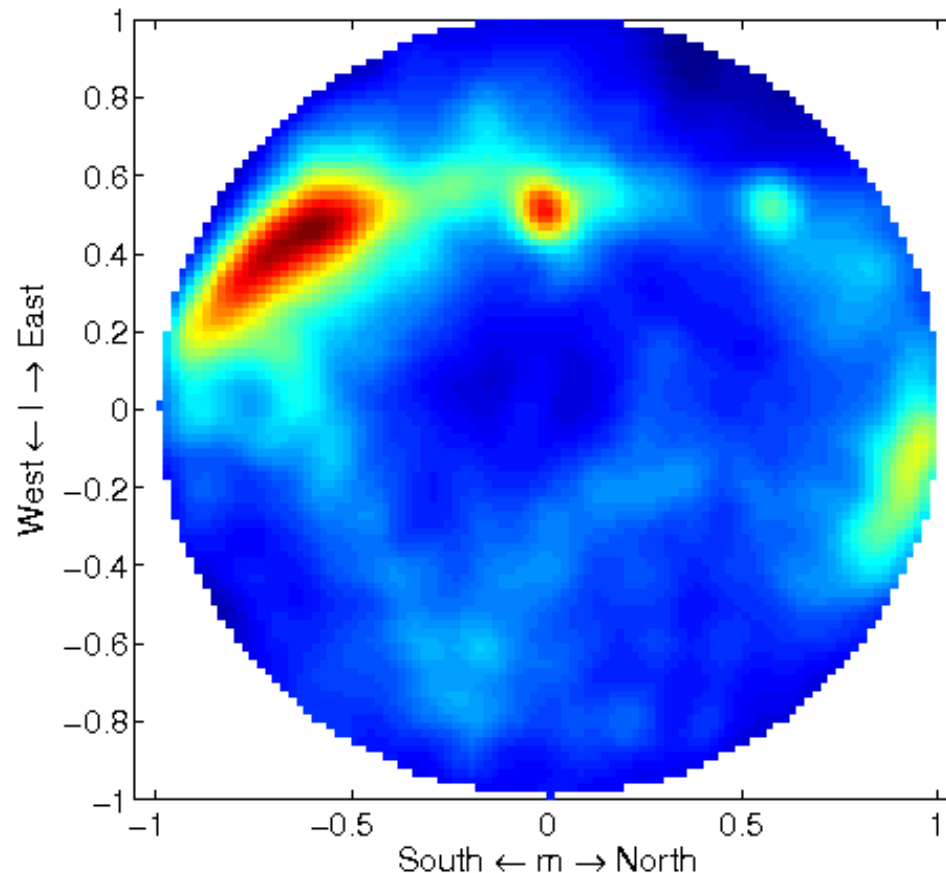


First successful capture with full array

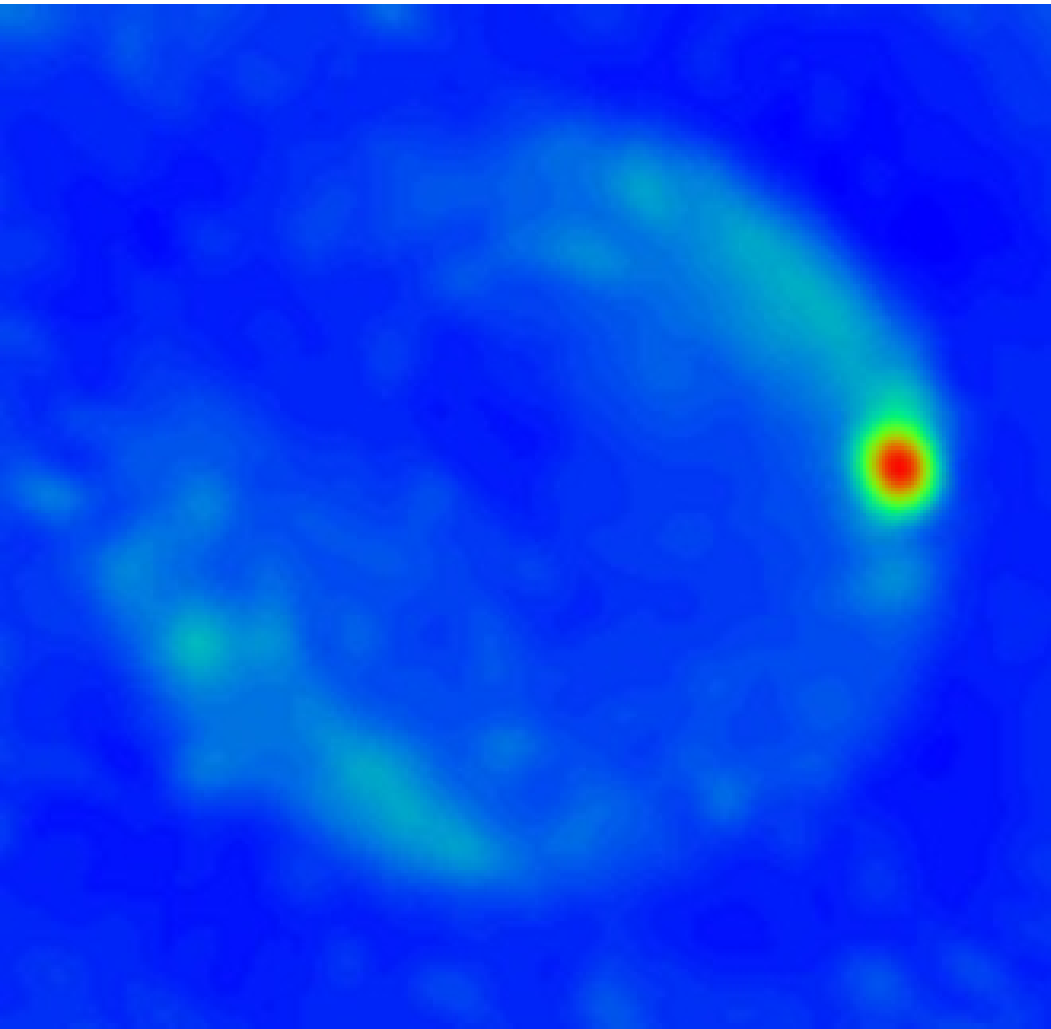


29 Oct. 2007 between 14h08 and 14h42 UTC

2 scans, 512sb, 160MHz, image: 1sb@42.03MHz



Work in progress: Effelsberg pipeline



done by Peter Mueller

mail on 13 Nov. 2007:

image by Peter

200 kHz @ 40.4 MHz

software: Python/Octave

Status summary



- Effelsberg station works with all 96 LBAs
- 100m telescope may pose a challenge
- Peter Mueller is doing well writing own software
- ASTRON is finishing delivery package

