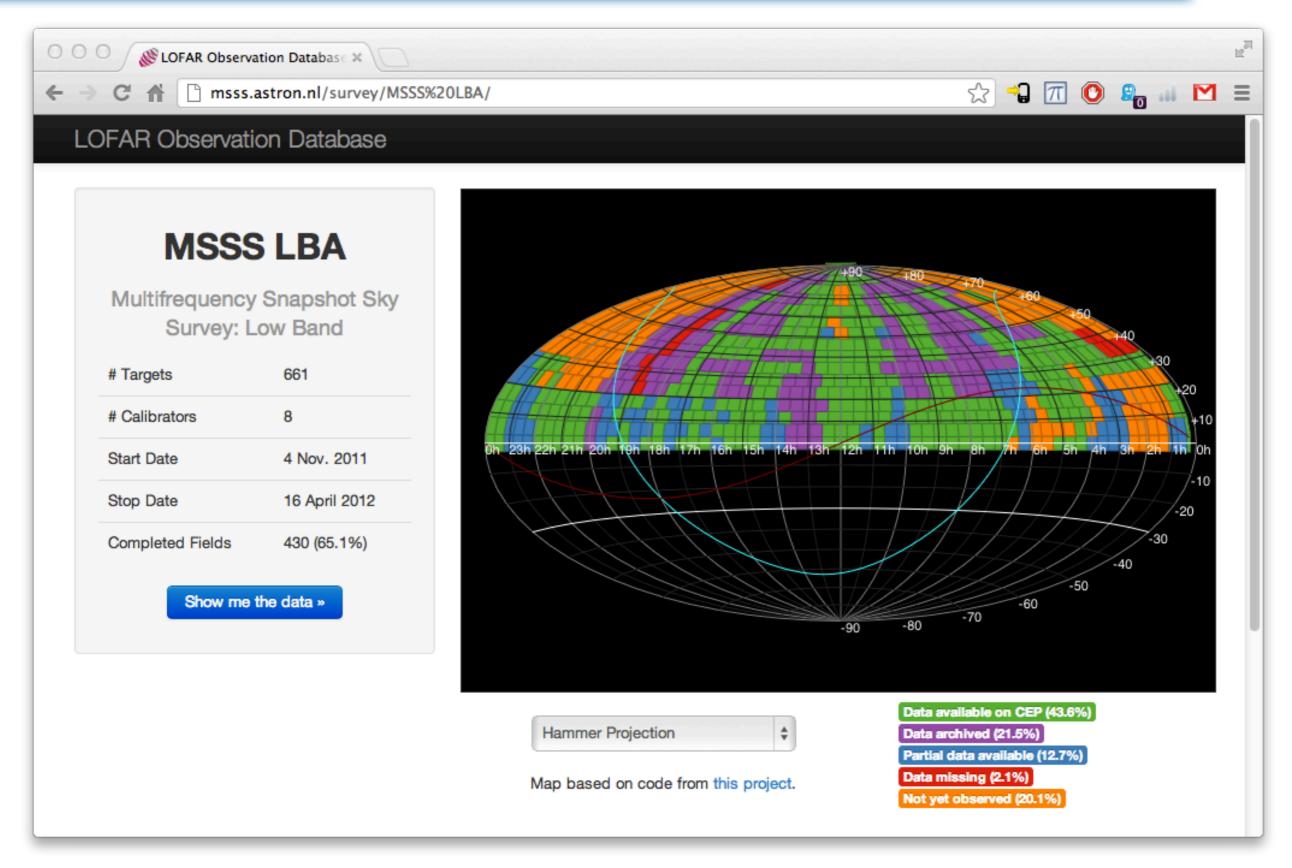


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# **MSSS Observing Status**

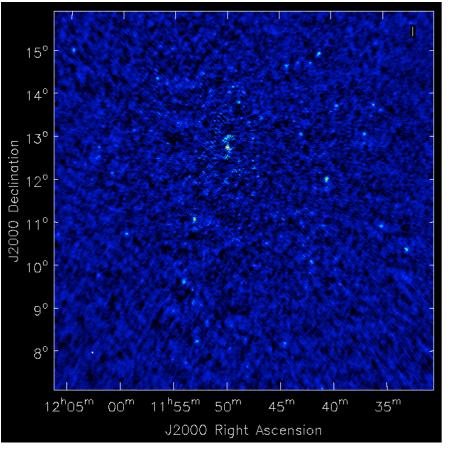


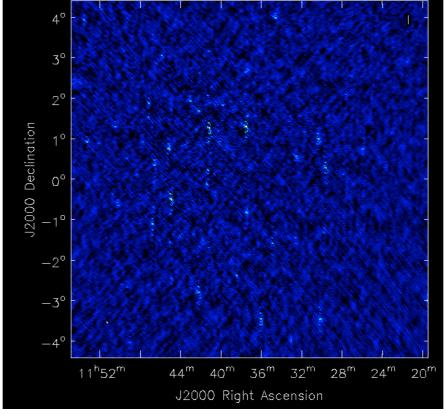


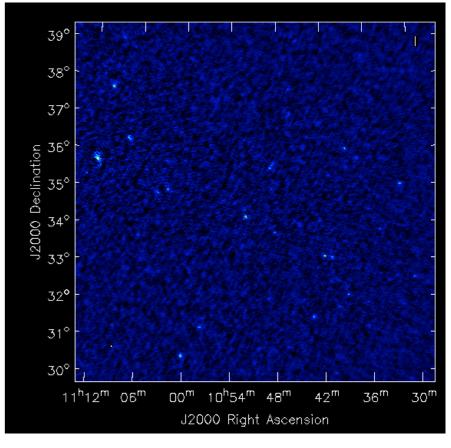
## MSSS pipeline processing



- Automated pipeline processing of MSSS-LBA data on CEP-II is continuing - 36 pairs of LBA fields processed so far
  - 3 had mom issues
  - 1 currently (re)processing (with new pipeline version 1.7)
  - 9 only with preprocessing steps (imaging step needs an update, which is under development this week)







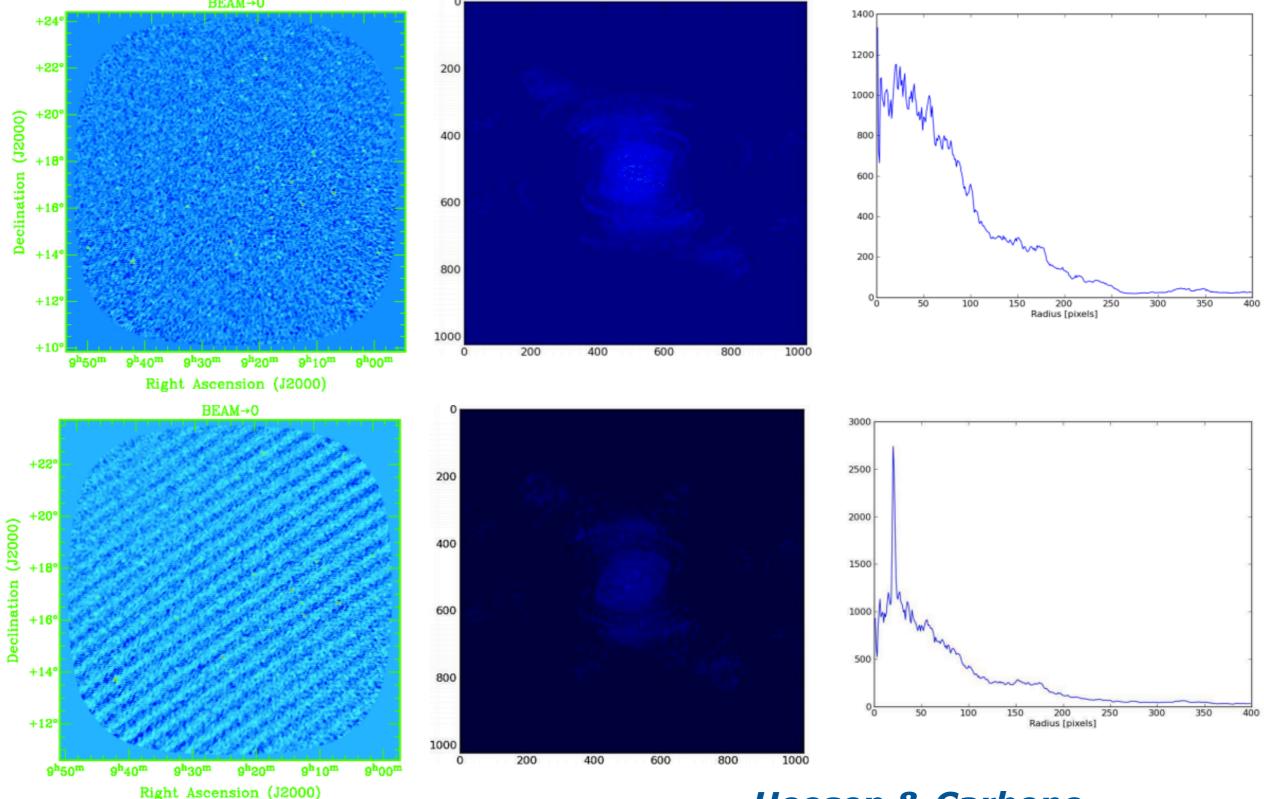


## Image quality control

George Heald / LSM / 03-10-2012



Automatic stripy image detector script

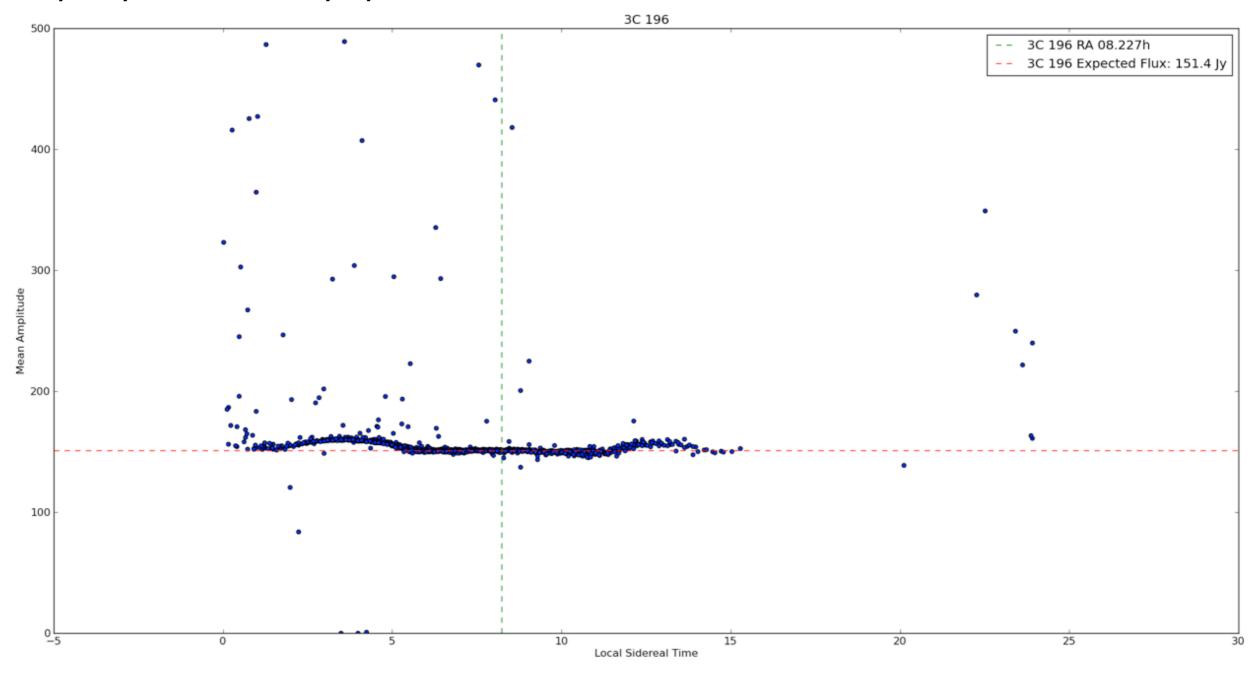


Heesen & Carbone

#### Calibrator fluxes



Based on 998 cal scans (processed for NCP monitoring)
24/12/2011 - 14/4/2012



#### Calibrator fluxes



- What we know (Stewart, Croston, Hassall, Scaife)
  - At 60 MHz, between elevations 40-60 deg, corrected fluxes 7% too high compared to calibration model
  - Also present at 37 MHz, but at the 3-4% level
  - Excluding long/short baselines does not change the effect
  - Imaged data shows the same effect
  - This effect is NOT present if beam is disabled in BBS
  - Simulated data, processed in same way as real data (and including the beam in BBS) give the expected fluxes
- See report on the wiki for more information & plots ....

## **HBA** testing



baselines <20km, 25 mJy/beam noise for the field shown here</li>

default demixing strategy incorrect; new calibration script now

available

 Other fields do not turn out as well with autoprocessing

More work
 needed to
 assess quality
 of calibration
 solutions...

