

COBALT

Project Update



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Summary of Progress

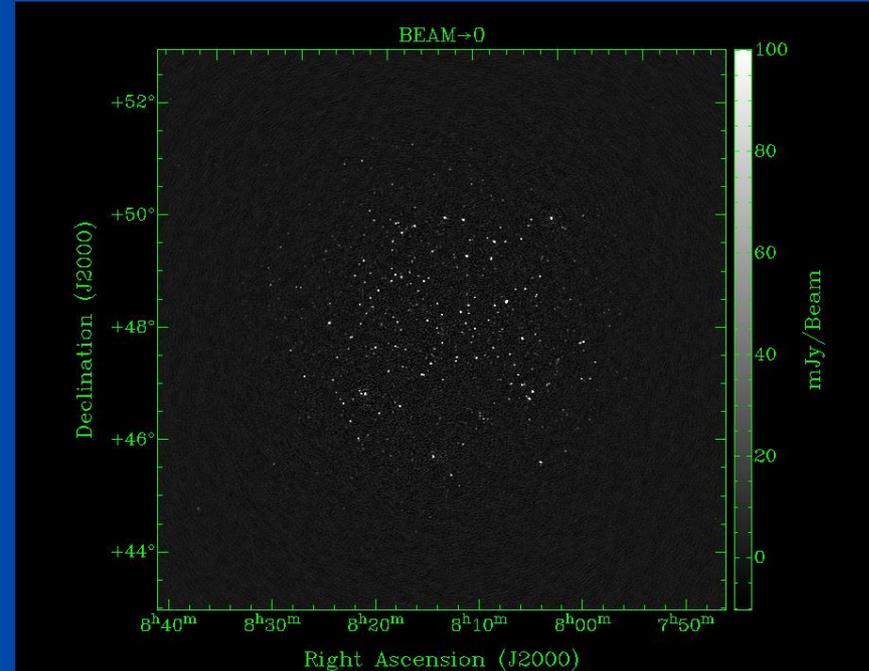
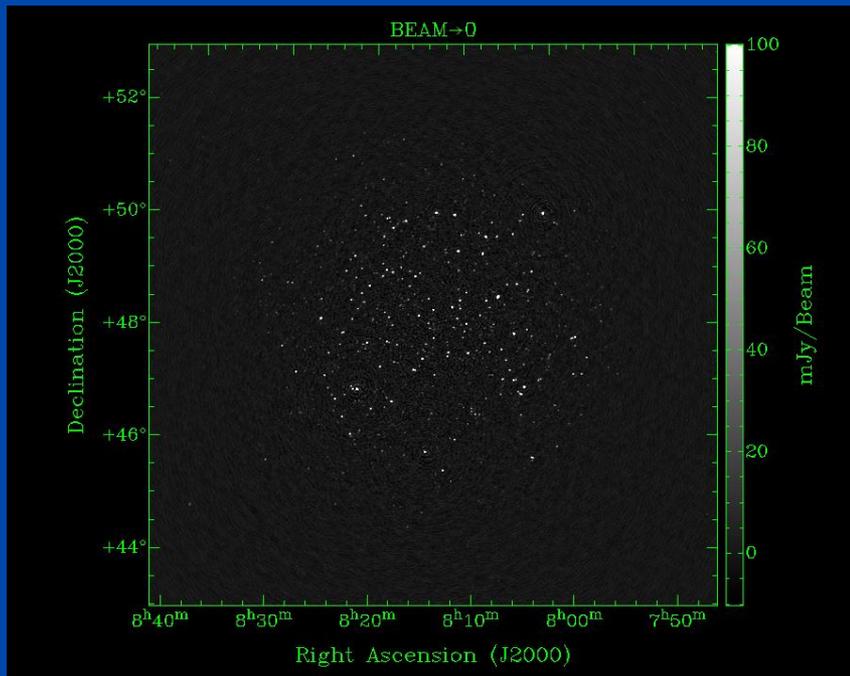
- What happened since last LSM?
 - Week 1
 - Regained system performance
 - Memory bug
 - Infiniband bug
 - Week 2
 - First Correlator production run
 - BF commissioning
 - Acceptance Review 18/03/2014
 - Correlator accepted for Production
 - BF to be finished



3C196, 8 SB, 165 MHz

BG/P 15 December 2013

COBALT 12 March 2014



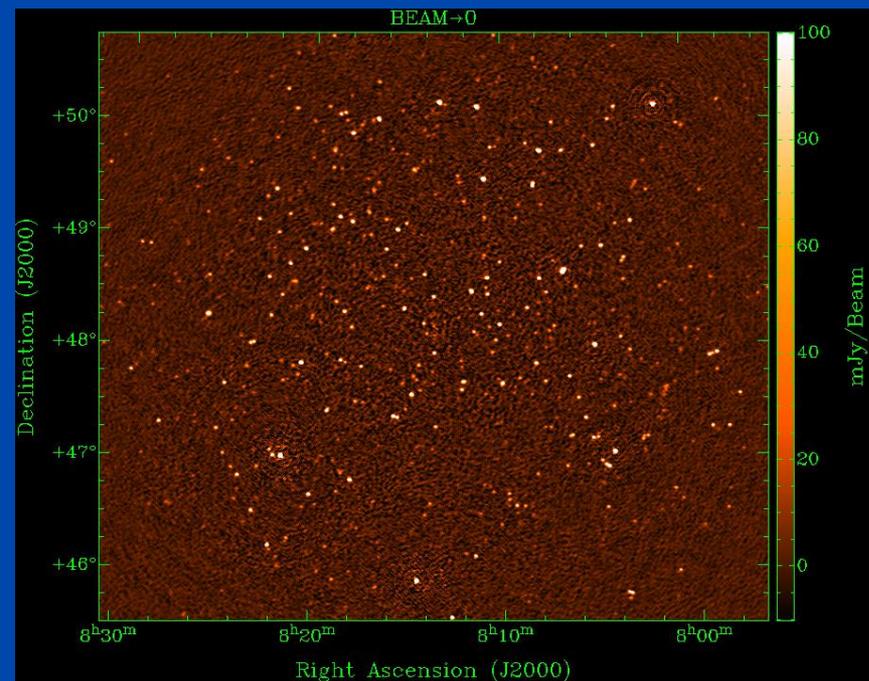
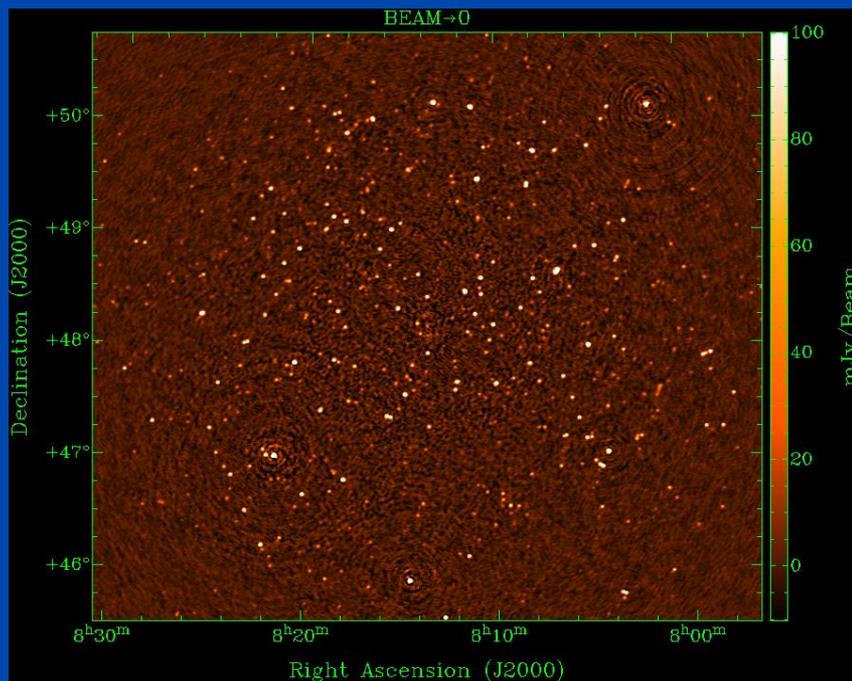
Images by V.N. Pandey



3C196 zoom

BG/P 15 December 2013

COBALT 12 March 2014



Images by V.N. Pandey



3C196: initial conclusions

- “... the images are very similar. No artifacts etc...”
 - “The rms noise in the images made with cobalt data L211589 is about 20% higher.”
 - “The peak value of the strongest sources in image made with Cobalt Data (4.3Jy) is approximately ~8% lower compared to as in L192832 (4.66Jy).”
 - “During Cobalt Observations, ionosphere was o.k. but not so good as L192832. 3C196 also is not such night time object now. There was scintillation during last few hours as well.”
- “Overall, I think there is very fair agreement in the images.”



Beamformed Pipeline

- Achieved since last LSM
 - TAB rings implemented
 - IQUV tested
 - Complex voltages tested (nearly done)
- To be done
 - Finishing commissioning plan
 - Testing of performance
 - Integration / production testing



Questions?

