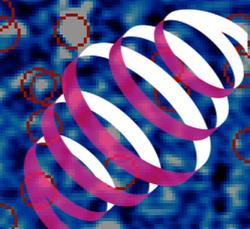


MSSS Update

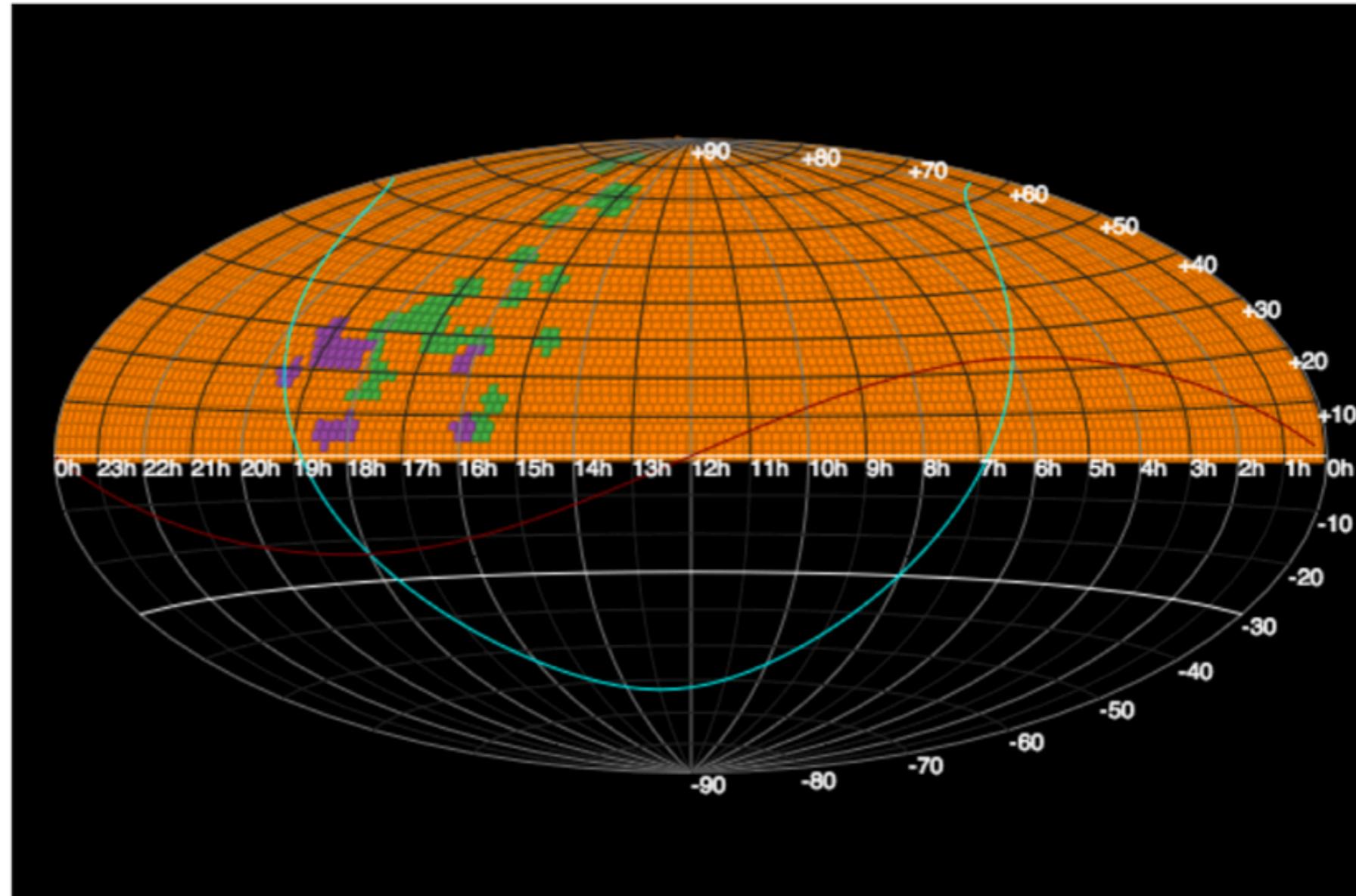
George Heald (MSSS Project Leader)
(on behalf of the MSSS Team)
LSM, 20/2/13



MSSS HBA

Number of Targets	3616
Number of Calibrators	8
Start Date	8 Feb. 2013
Stop Date	15 Feb. 2013
Completed Fields	180 (5.0%)
Information collected	19 Feb. 2013

Show me the data »



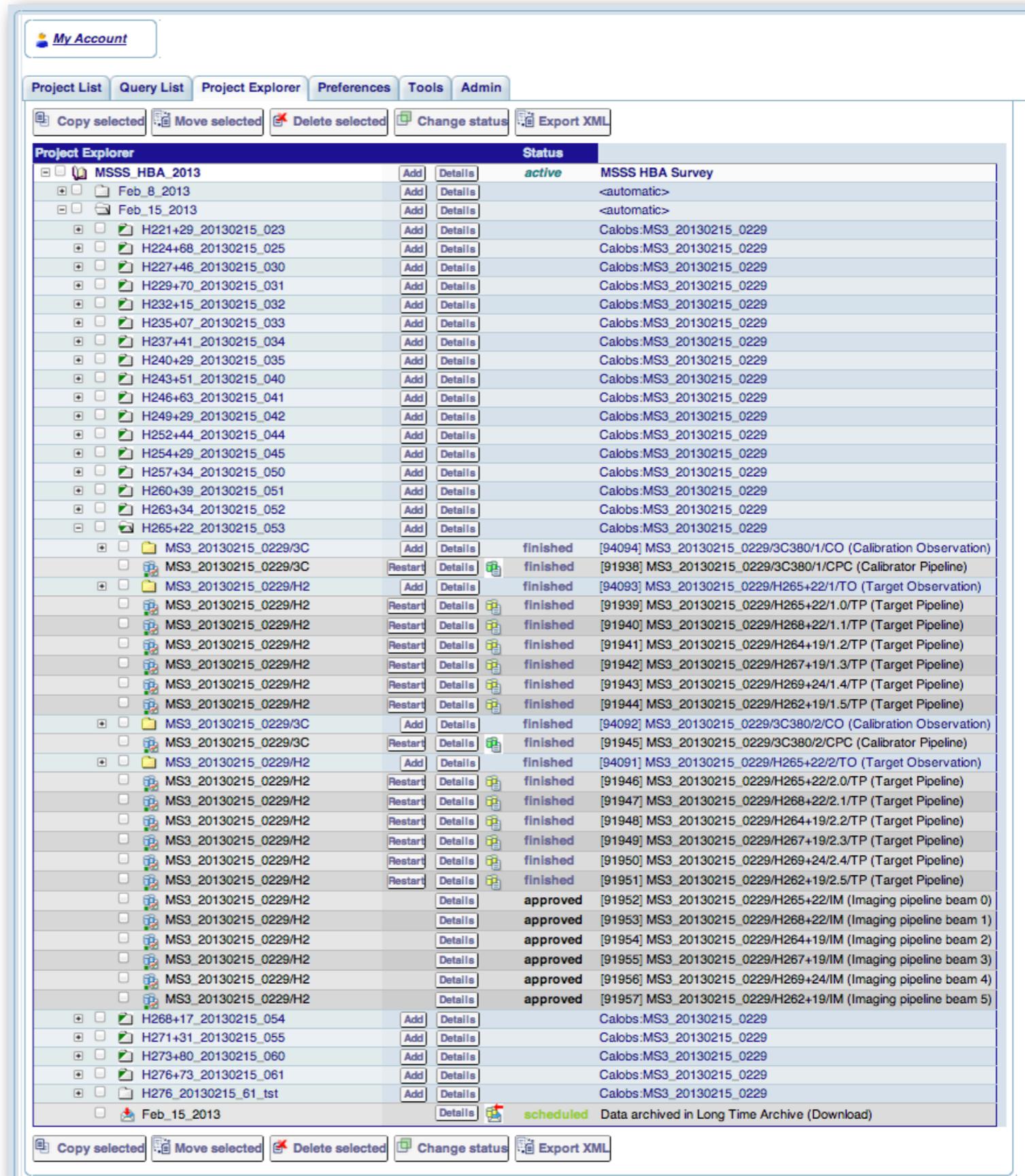
Hammer Projection

Map based on code from [this project](#).

- Data available on CEP (3.3%)
- Data archived (1.5%)
- Partial data available (0%)
- Data missing (0%)
- Not yet observed (95.2%)

Swinbank

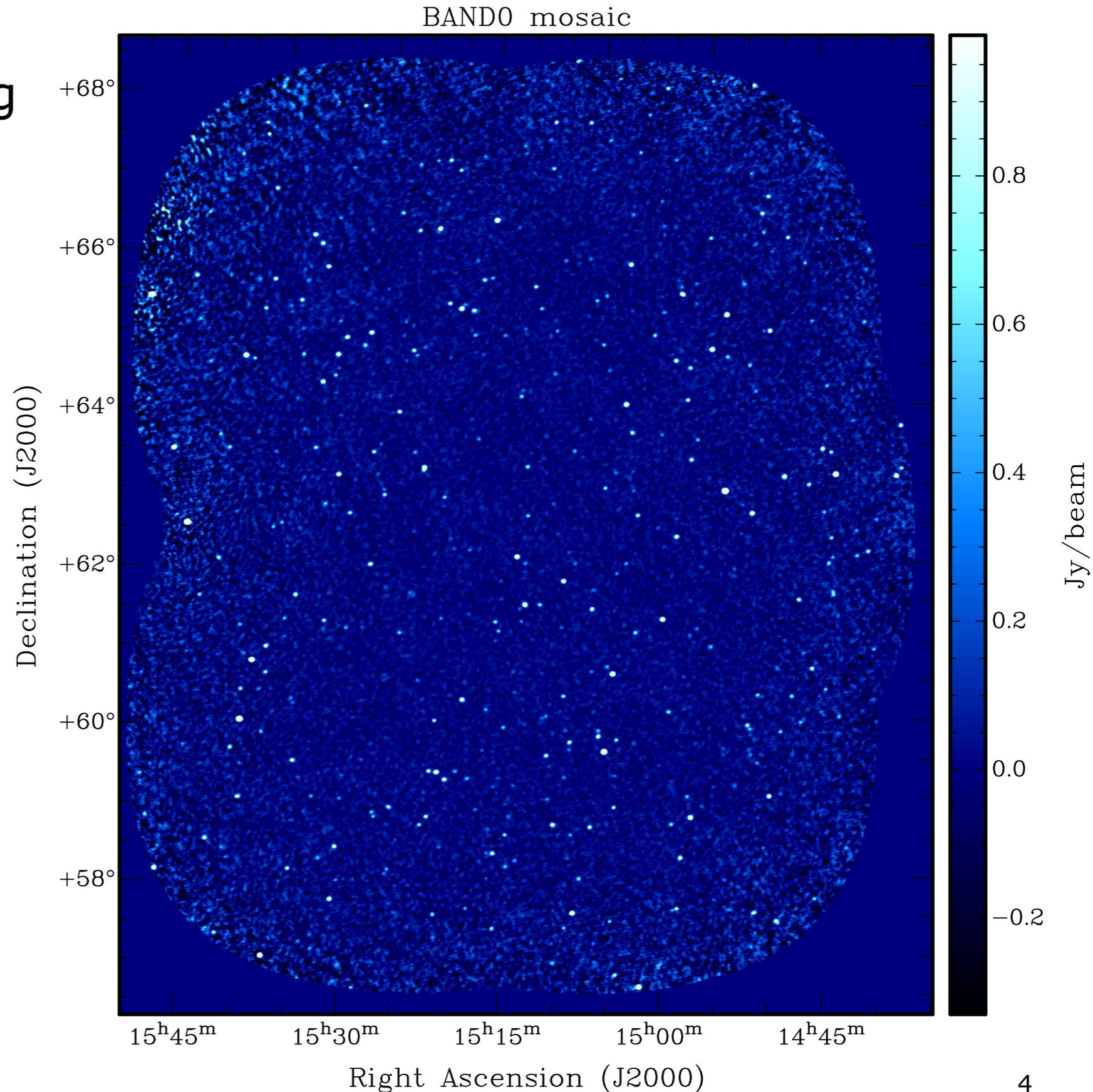
- Pipeline processing works automatically
- We've used output of target pipelines to assess data quality & robustness of pipeline steps



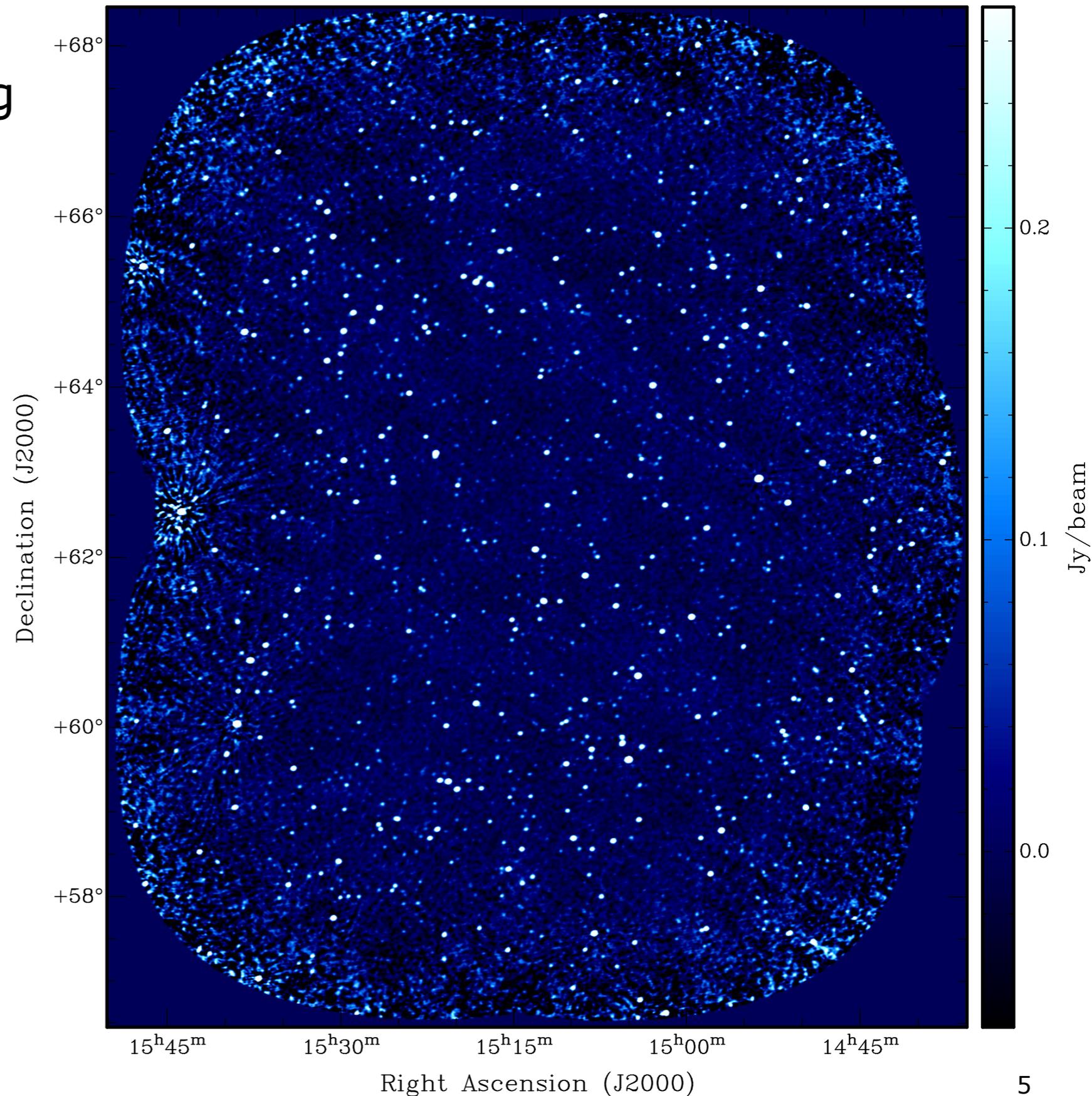
The screenshot displays a web-based interface for MSSS-HBA data processing. At the top, there is a navigation bar with tabs for 'Project List', 'Query List', 'Project Explorer', 'Preferences', 'Tools', and 'Admin'. Below this is a toolbar with buttons for 'Copy selected', 'Move selected', 'Delete selected', 'Change status', and 'Export XML'. The main area is titled 'Project Explorer' and shows a tree view of the project 'MSSS_HBA_2013'. The tree is expanded to show a list of observations and pipelines. The table below shows the details of these entries.

Project Explorer	Status	
MSSS_HBA_2013	active	MSSS HBA Survey
Feb_8_2013		<automatic>
Feb_15_2013		<automatic>
H221+29_20130215_023		Calobs:MS3_20130215_0229
H224+68_20130215_025		Calobs:MS3_20130215_0229
H227+46_20130215_030		Calobs:MS3_20130215_0229
H229+70_20130215_031		Calobs:MS3_20130215_0229
H232+15_20130215_032		Calobs:MS3_20130215_0229
H235+07_20130215_033		Calobs:MS3_20130215_0229
H237+41_20130215_034		Calobs:MS3_20130215_0229
H240+29_20130215_035		Calobs:MS3_20130215_0229
H243+51_20130215_040		Calobs:MS3_20130215_0229
H246+63_20130215_041		Calobs:MS3_20130215_0229
H249+29_20130215_042		Calobs:MS3_20130215_0229
H252+44_20130215_044		Calobs:MS3_20130215_0229
H254+29_20130215_045		Calobs:MS3_20130215_0229
H257+34_20130215_050		Calobs:MS3_20130215_0229
H260+39_20130215_051		Calobs:MS3_20130215_0229
H263+34_20130215_052		Calobs:MS3_20130215_0229
H265+22_20130215_053		Calobs:MS3_20130215_0229
MS3_20130215_0229/3C	finished	[94094] MS3_20130215_0229/3C380/1/CO (Calibration Observation)
MS3_20130215_0229/3C	finished	[91938] MS3_20130215_0229/3C380/1/CPC (Calibrator Pipeline)
MS3_20130215_0229/H2	finished	[94093] MS3_20130215_0229/H265+22/1/TO (Target Observation)
MS3_20130215_0229/H2	finished	[91939] MS3_20130215_0229/H265+22/1.0/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91940] MS3_20130215_0229/H268+22/1.1/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91941] MS3_20130215_0229/H264+19/1.2/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91942] MS3_20130215_0229/H267+19/1.3/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91943] MS3_20130215_0229/H269+24/1.4/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91944] MS3_20130215_0229/H262+19/1.5/TP (Target Pipeline)
MS3_20130215_0229/3C	finished	[94092] MS3_20130215_0229/3C380/2/CO (Calibration Observation)
MS3_20130215_0229/3C	finished	[91945] MS3_20130215_0229/3C380/2/CPC (Calibrator Pipeline)
MS3_20130215_0229/H2	finished	[94091] MS3_20130215_0229/H265+22/2/TO (Target Observation)
MS3_20130215_0229/H2	finished	[91946] MS3_20130215_0229/H265+22/2.0/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91947] MS3_20130215_0229/H268+22/2.1/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91948] MS3_20130215_0229/H264+19/2.2/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91949] MS3_20130215_0229/H267+19/2.3/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91950] MS3_20130215_0229/H269+24/2.4/TP (Target Pipeline)
MS3_20130215_0229/H2	finished	[91951] MS3_20130215_0229/H262+19/2.5/TP (Target Pipeline)
MS3_20130215_0229/H2	approved	[91952] MS3_20130215_0229/H265+22/IM (Imaging pipeline beam 0)
MS3_20130215_0229/H2	approved	[91953] MS3_20130215_0229/H268+22/IM (Imaging pipeline beam 1)
MS3_20130215_0229/H2	approved	[91954] MS3_20130215_0229/H264+19/IM (Imaging pipeline beam 2)
MS3_20130215_0229/H2	approved	[91955] MS3_20130215_0229/H267+19/IM (Imaging pipeline beam 3)
MS3_20130215_0229/H2	approved	[91956] MS3_20130215_0229/H269+24/IM (Imaging pipeline beam 4)
MS3_20130215_0229/H2	approved	[91957] MS3_20130215_0229/H262+19/IM (Imaging pipeline beam 5)
H268+17_20130215_054		Calobs:MS3_20130215_0229
H271+31_20130215_055		Calobs:MS3_20130215_0229
H273+80_20130215_060		Calobs:MS3_20130215_0229
H276+73_20130215_061		Calobs:MS3_20130215_0229
H276_20130215_61_tst		Calobs:MS3_20130215_0229
Feb_15_2013	scheduled	Data archived in Long Time Archive (Download)

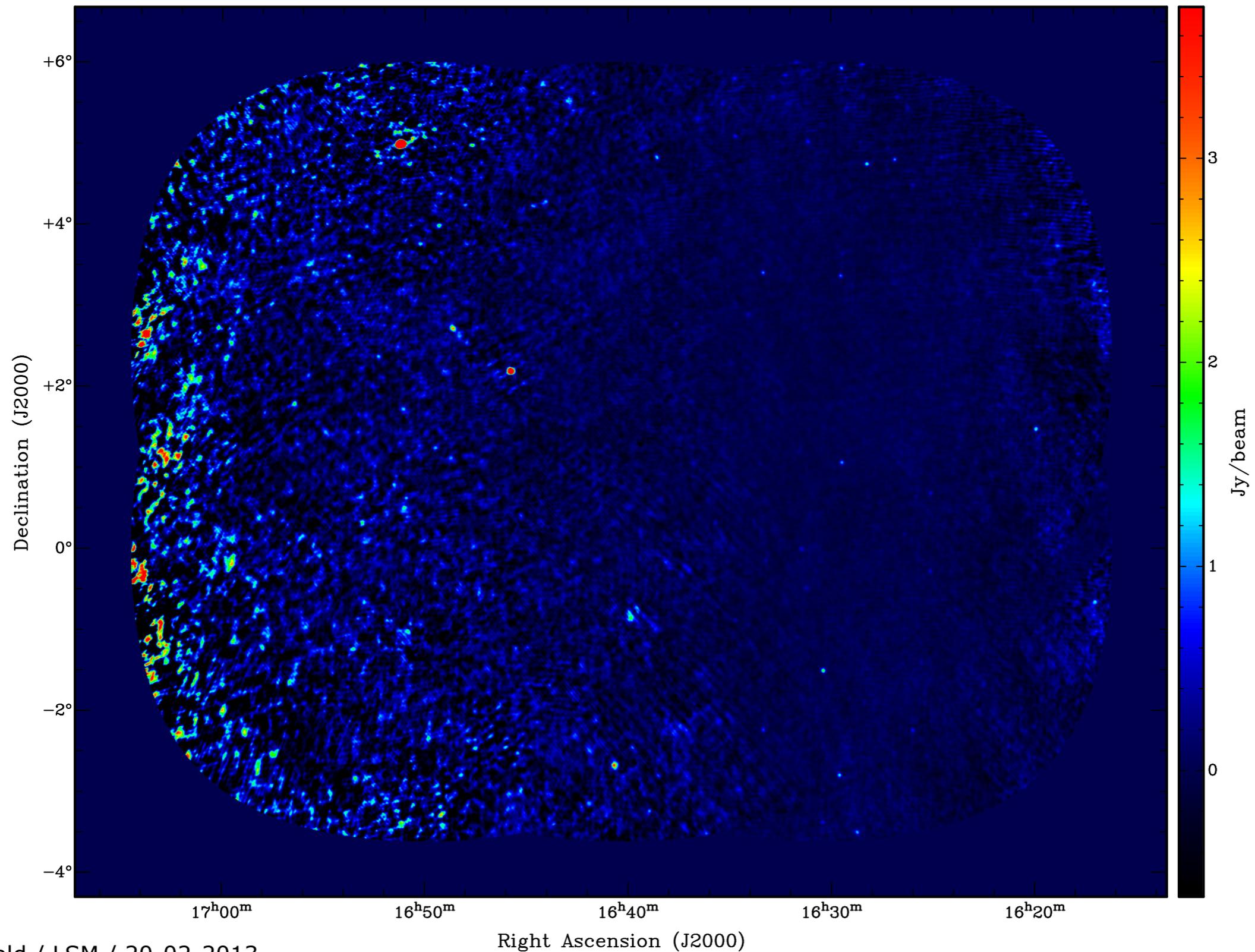
- Starting from pipeline output and (re)running some steps manually results in this mosaic
- Plan is to massage the imaging step

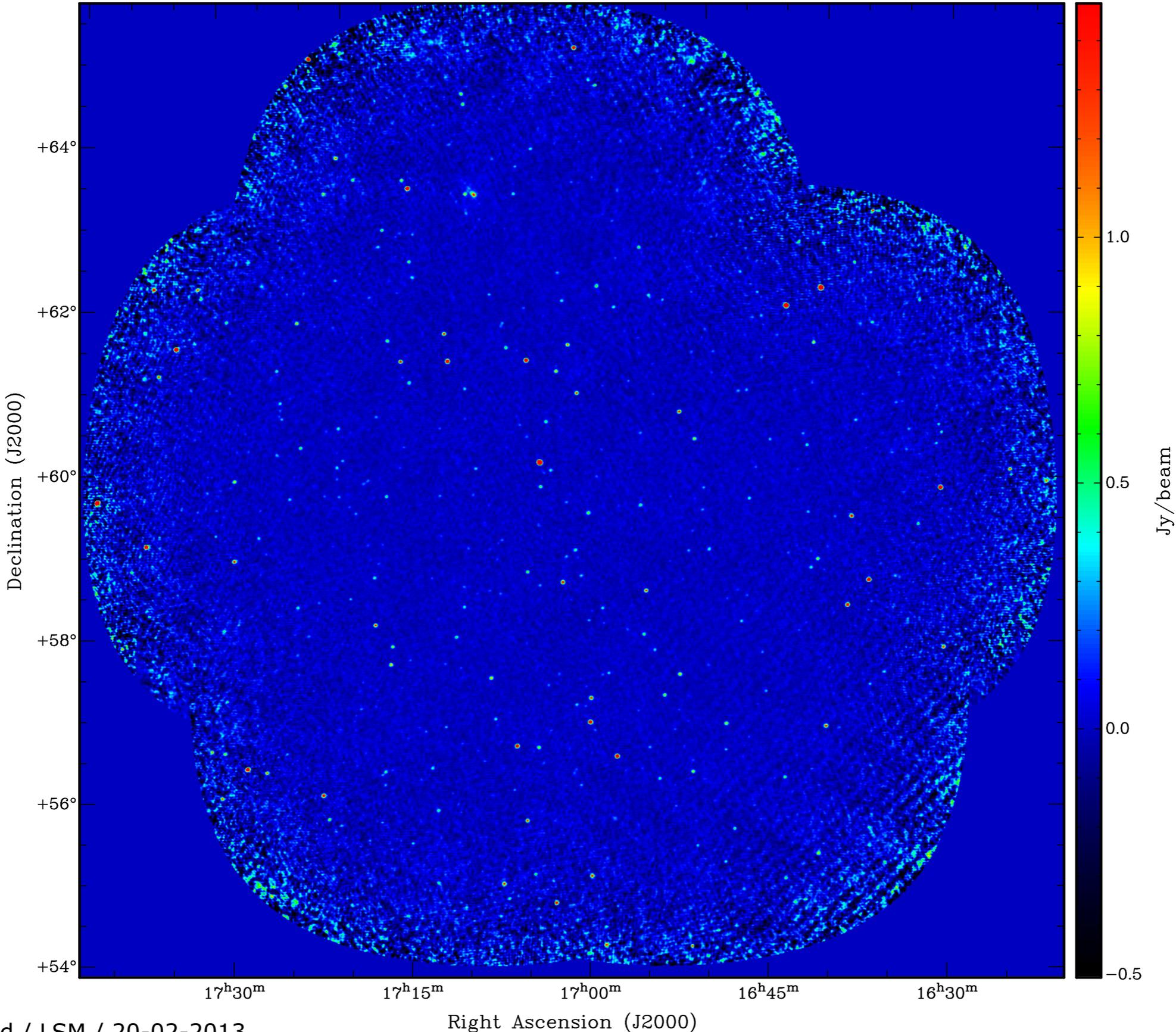


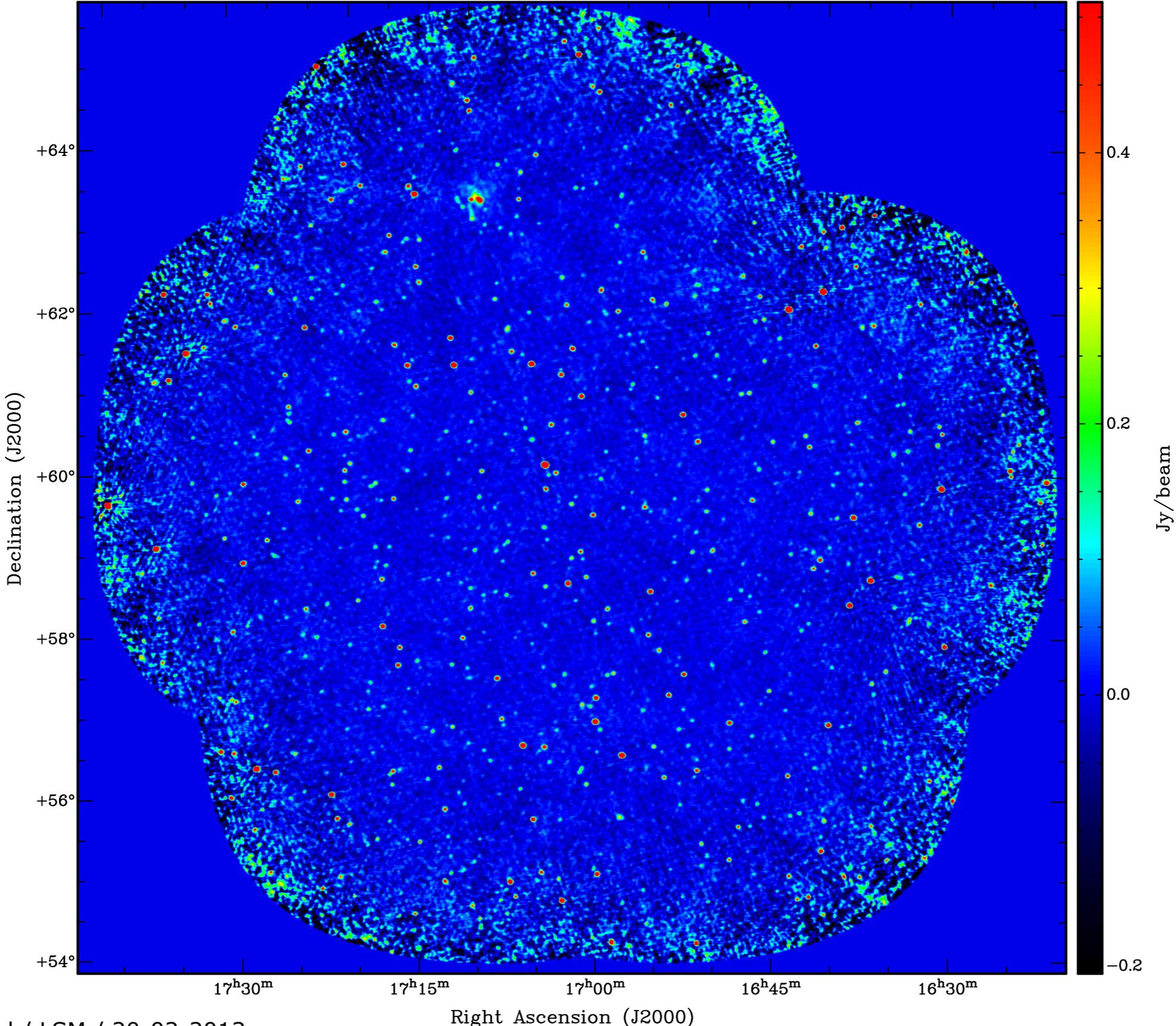
- Starting from pipeline output and (re)running some steps manually results in this mosaic
- Plan is to massage the imaging step
- Combining all bands leads to final image ($\sigma=10$ mJy/beam at resolution $\sim 2''$)

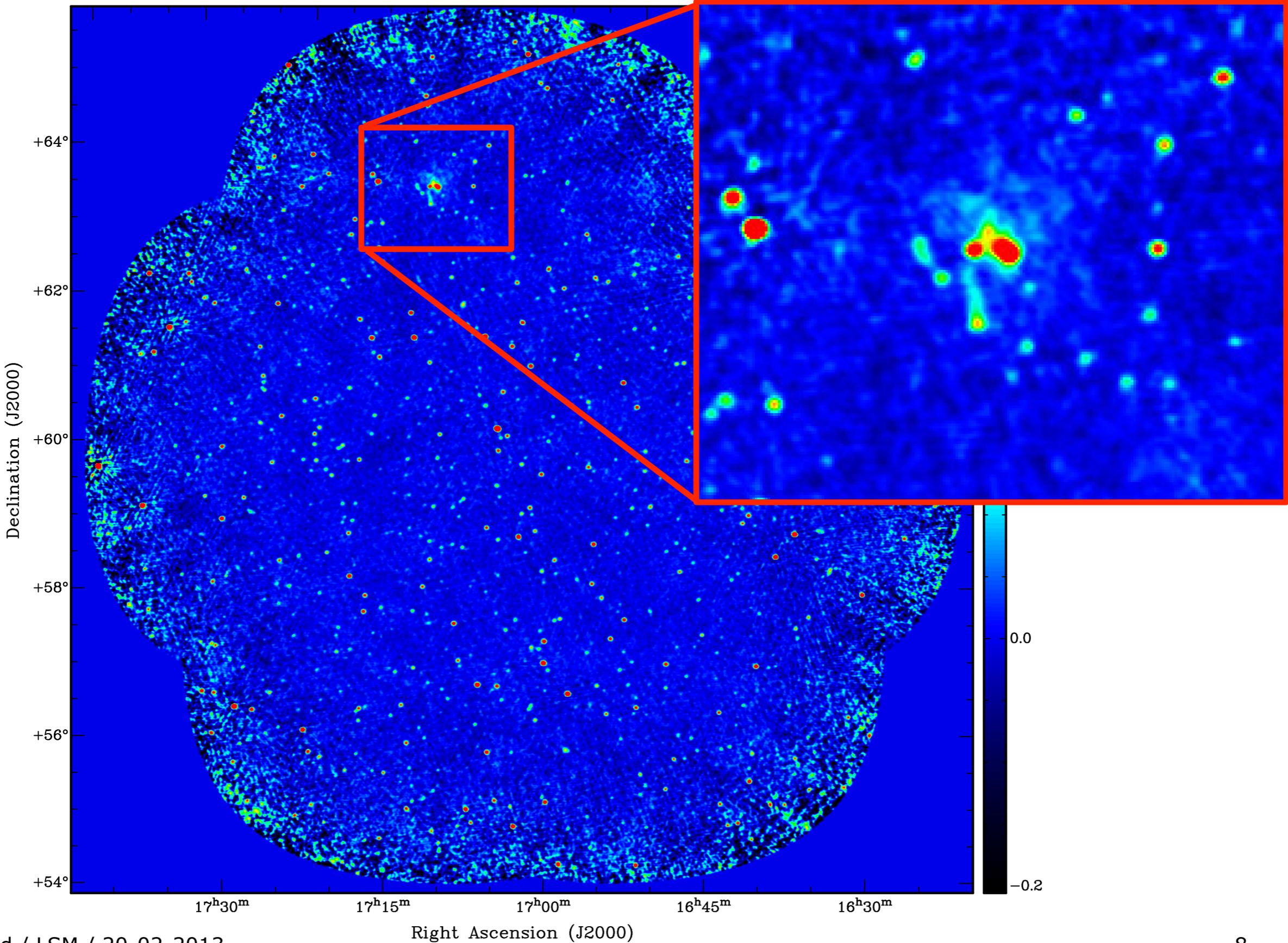


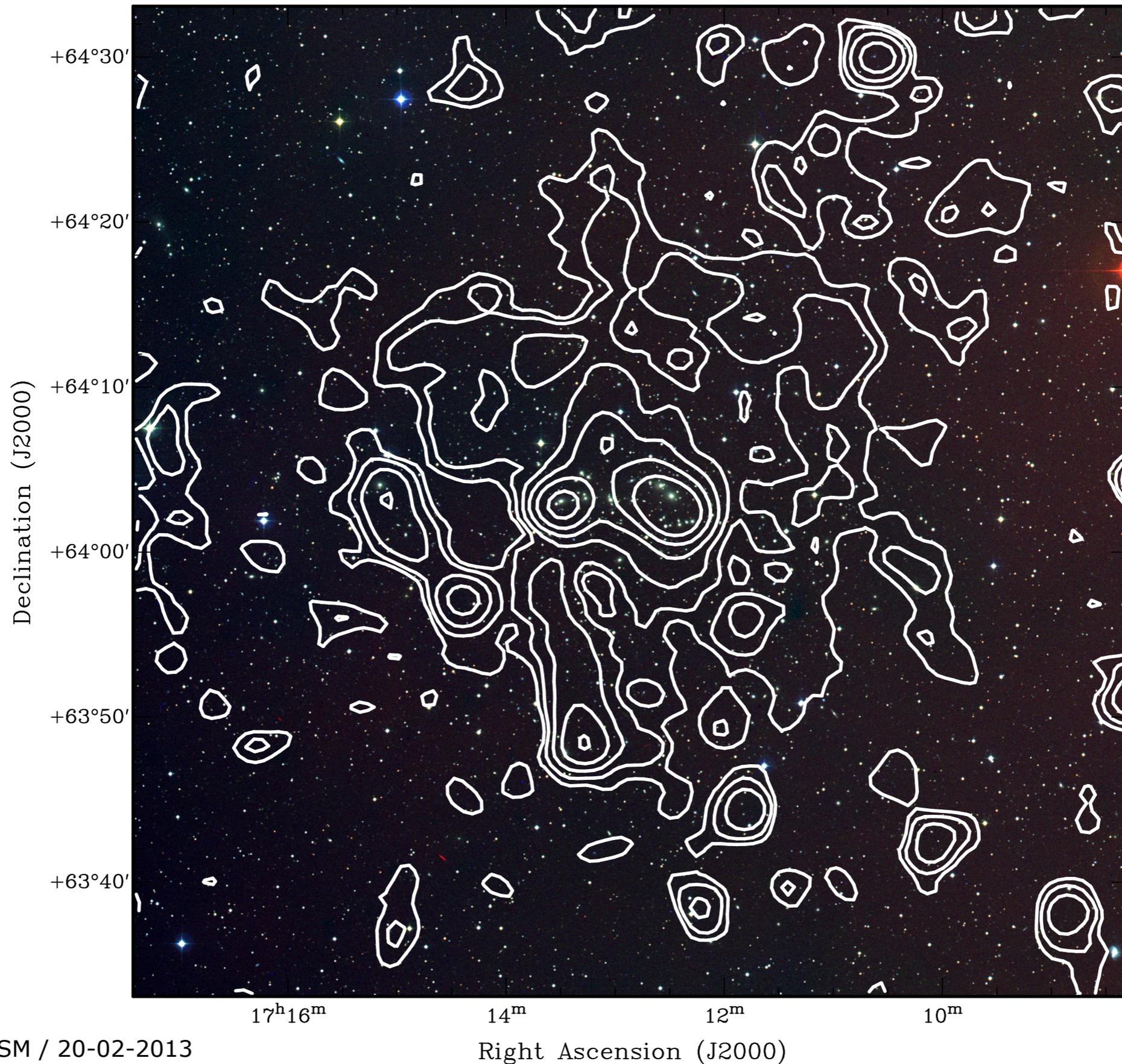
- In this case HerA causing problems



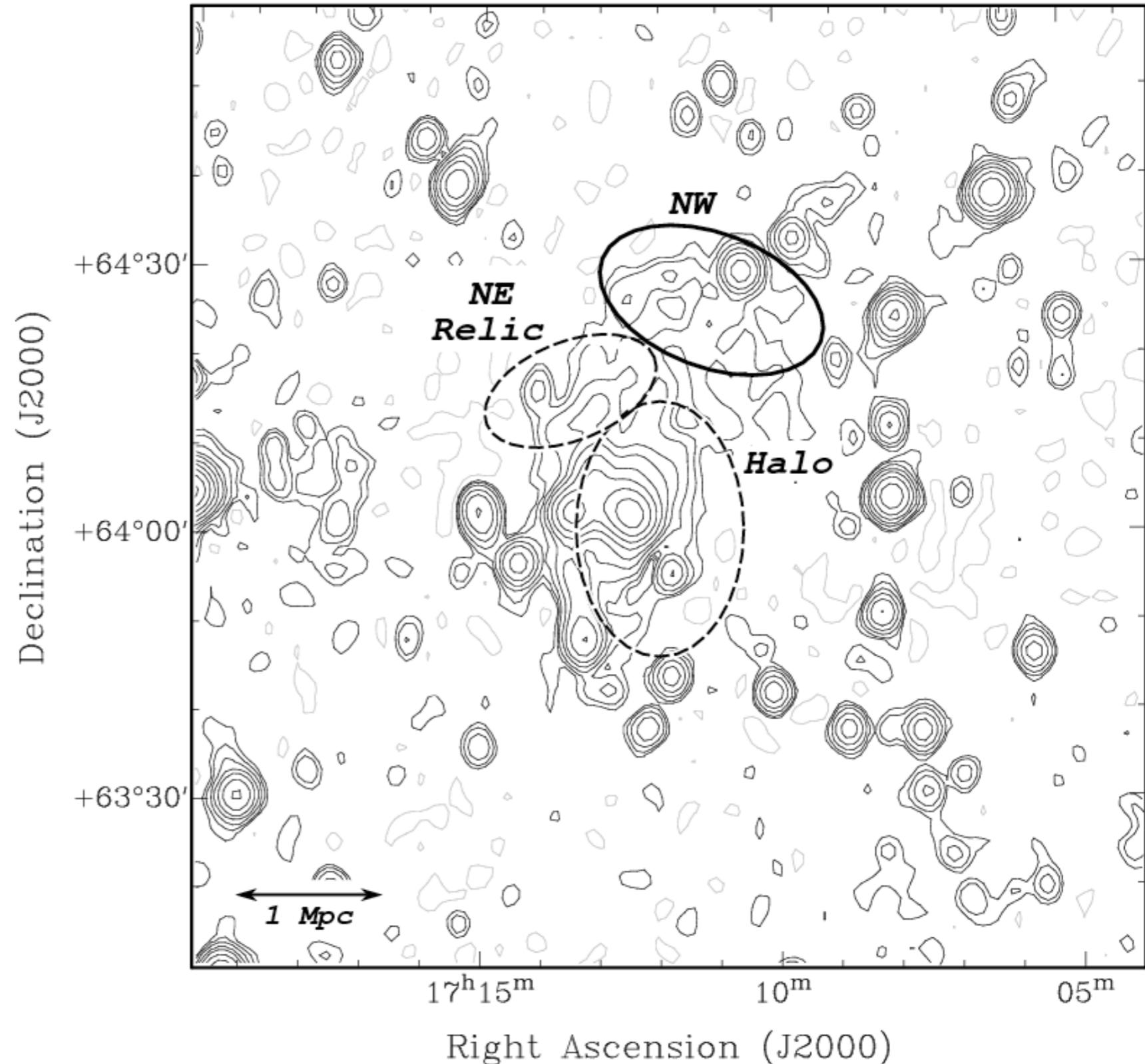
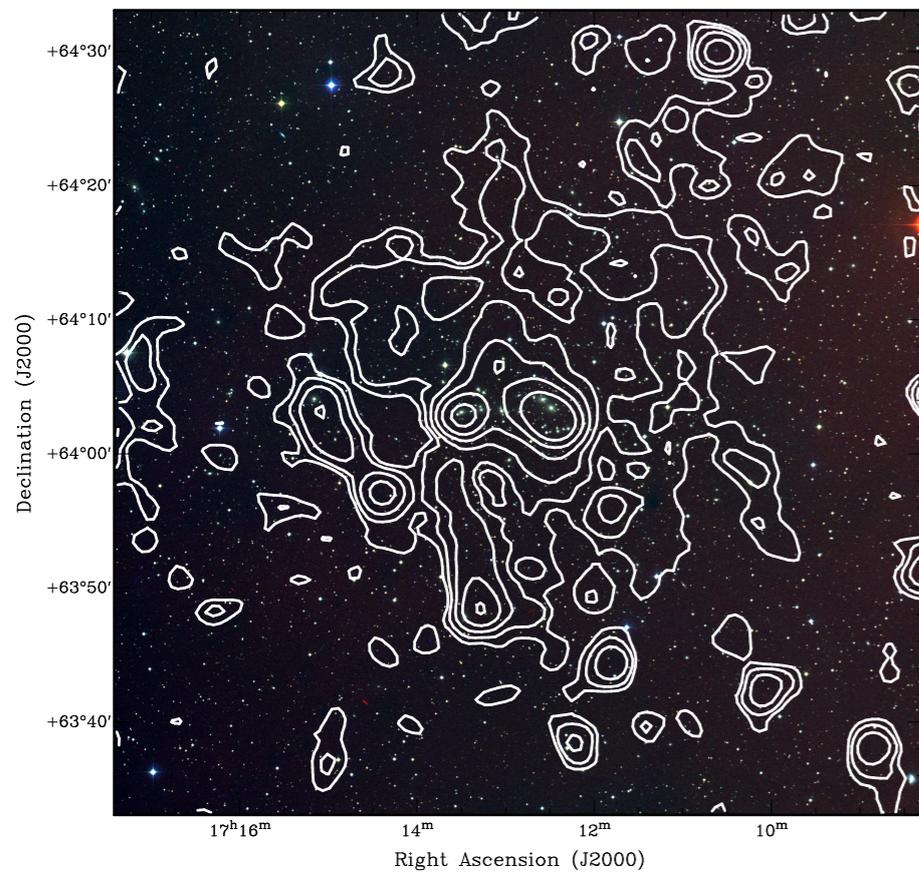








- cf Pizzo & de Bruyn (2009)
WSRT, 150 MHz



- Continue producing images from ongoing MSSS-HBA observations
- Careful source flux/position assessment (ongoing this week)



Trace: » [msss:roster](#) » [commissioning:start](#) » [msss:processed_data](#)

Processed data and images

HBA

[\[edit\]](#)

Please enter the information here as you process MSSS data.

Field names	Observed date	Processed date(s)	Worker	Data quality	Data location	Sources catalogued?	Comments
H225+61, H251+61, H260+61, H257+63, H257+58, H253+58	8 Feb 2013	13 Feb 2013	Heald	Excellent	locus002:/data/scratch/heald/hba-20130208/set01	No	includes A2255
H250+00, H248+00, H252+00, H250+02, H248+02, H252+02	8 Feb 2013	13 Feb 2013	Heald	Poor	locus002:/data/scratch/heald/hba-20130208/set02	No	corrupted by HerA; only band5 done so far
H240+07, H242+07, H237+07, H240+05, H239+10, H238+05	8 Feb 2013	13 Feb 2013	Heald, Bonafede	Good	locus002:/data/scratch/heald/hba-20130208/set03 and locus024:/data/scratch/bonafede/MSSS_week7/set03	No	all bands calibrated but only some bands imaged so far
H240+27, H242+22, H242+24, H242+27, H245+22, H245+24	8 Feb 2013	14 Feb 2013	Heald	Good	locus002:/data/scratch/heald/hba-20130208/set04	No	includes bright compact source PKS1607+26 (J160913+264129)
H253+48, H256+48, H254+46, H251+51, H255+51, H258+46	8 Feb 2013	14 Feb 2013	Bonafede	?	locus083:/data/scratch/bonafede/MSSS_week7/hba-20130208/set05	No	all bands calibrated, some imaging but no mosaics yet

[\[edit\]](#)