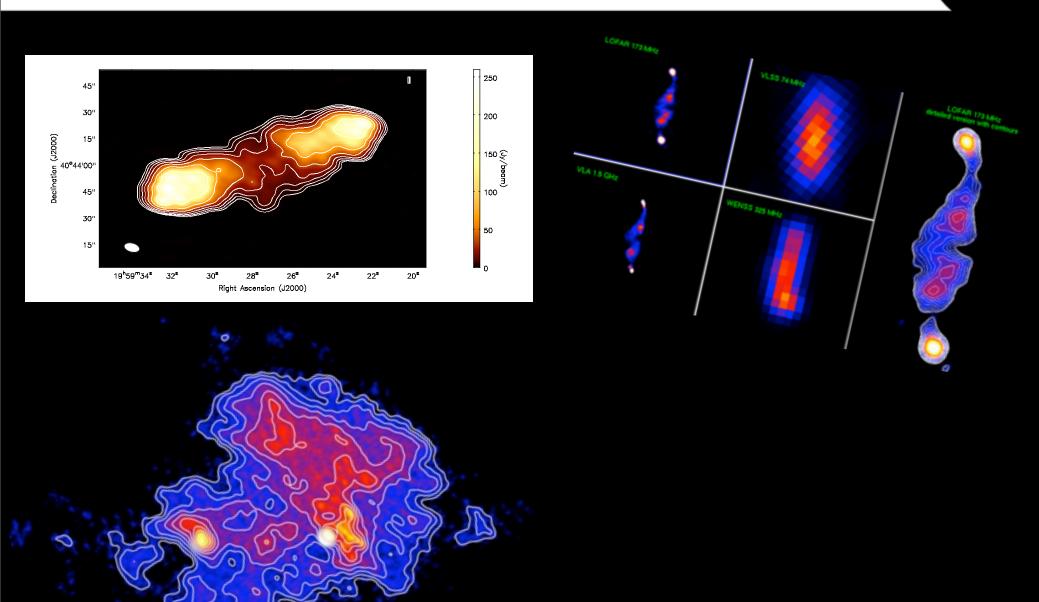


Netherlands Institute for Radio Astronomy

Getting your hands on LOFAR data John McKean (ASTRON) ASTRON is part of the Netherlands Organisation for Scientific Research (NWO)

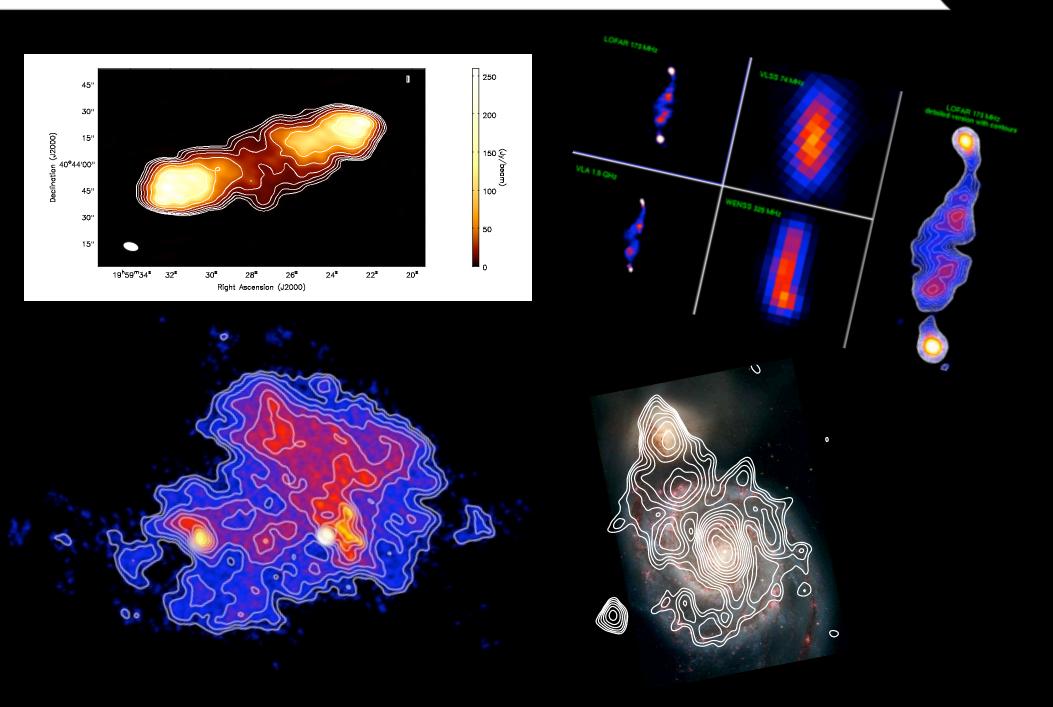
Recent images with LOFAR





Recent images with LOFAR



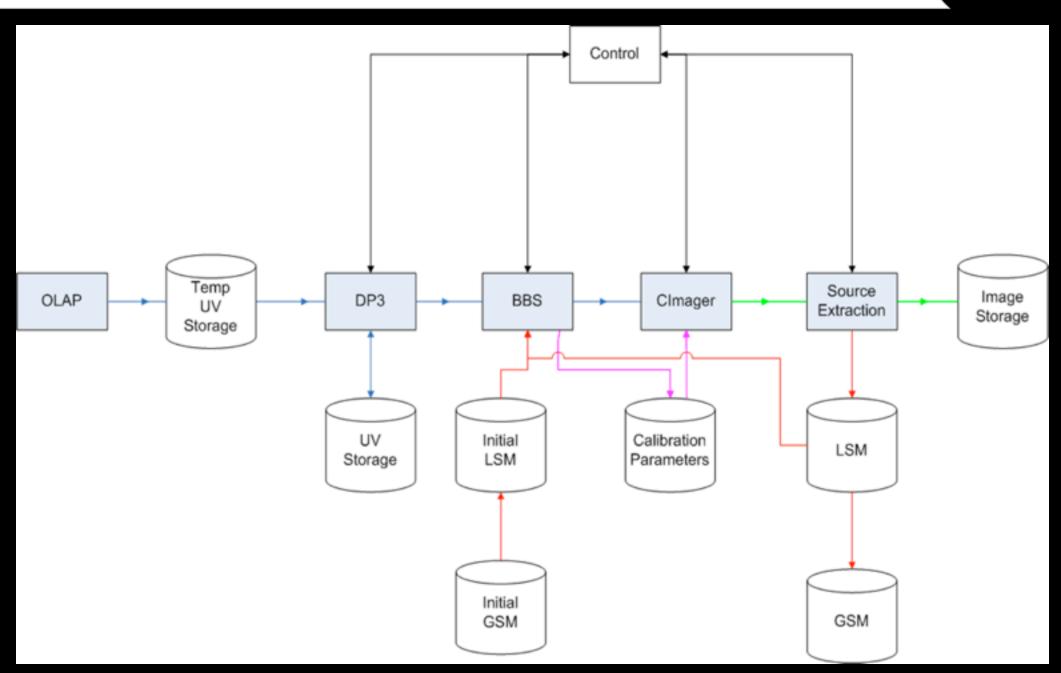


Exercises

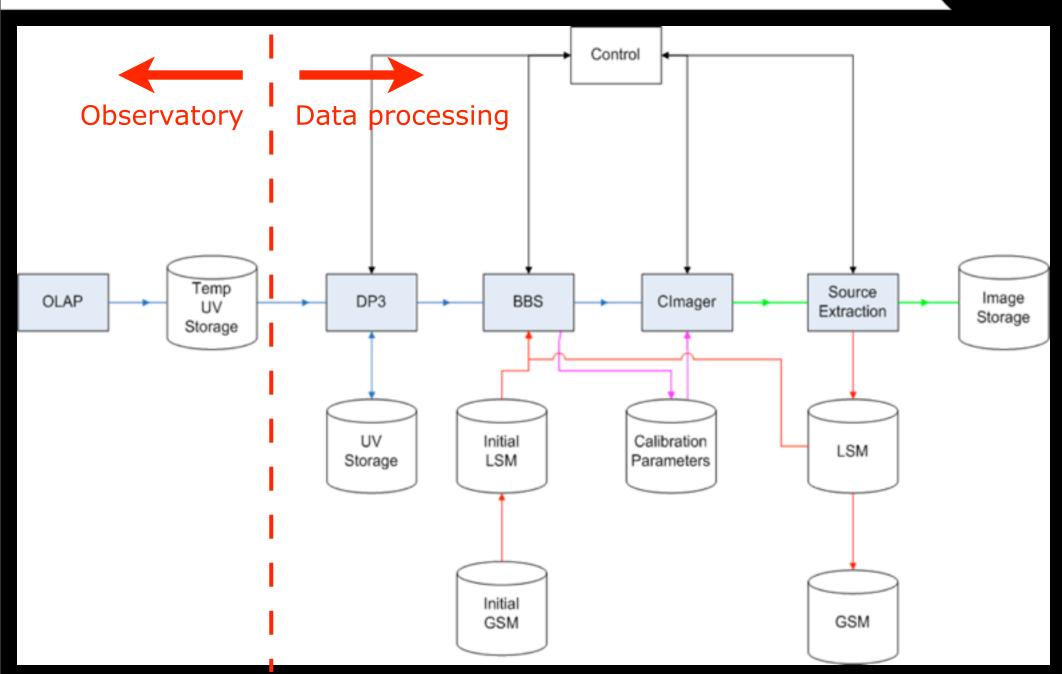


	Monday, October 11	Tuesday, October 12	Wednesday, October 13	Thursday, October 14	Friday, October 15
9:30 AM	Welcome (Wise)	ASTRON	Polarization	Dynamic Spectra with LOFAR	Particle Physics with LOFAR
9:30 AW	Intro. to Low Frequency	Plenary	(Haverkorn)	(Griessmeier)	(James)
10:00 AM	Radio Astronomy	Session	(Haverkorn)	(Griessmeier)	(builes)
10.00 AIII	(Heald)		Q&A	Q&A	Q&A
10:30 AM	Coffee Break		Coffee Break	Coffee Break	Coffee Break
11:00 AM	LOFAR Overview	Correlator and	Ionospheric Effects	VLBI with LOFAR	High Time Resolution
	(Wise)	Online Processing	(van Bemmel)	(Anderson)	with LOFAR
11:30 AM		(Romein)			(Hessels)
	Q&A	Q&A	Q&A	Q&A	Q&A
12:00 PM	LOFAR Station Processing	Introduction to	Wide-field Imaging	Observing with LOFAR	Observing Pulsars
	(Norden)	Calibration	(Nijboer)	(Polatidis)	with LOFAR
12:30 PM	0.04	(de Bruyn)		0.04	(Alexov)
4 00 014	Q&A	Q&A	Q&A	Q&A	School Concludes (Wise)
1:00 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:30 PM	Lunch	Lunen	Lunen	Lunch	Lunen
1:30 PW					
2:00 PM	RFI and Compression	Calibrating LOFAR Data		Intro. to Hands-on Sessions	
2.001	(Rafferty)	(BBS - van Zwieten)	Hands-on Exercises	(35-1/)	
2:30 PM	, ,,	(CASA - TBD)			
	Q&A	Q&A	End of Day	Hands-on Exercises	\
3:00 PM	Intro. to Hands-on Sessions	Intro. to Hands-on Sessions			Hands-on Exercises
	(McKean)	(McKean)		E-1-CD	
3:30 PM			Excursion		
			to	ASTRON Colloquium	
4:00 PM	Hands-on Exercises	Hands-on Exercises	LOFAR		
			Core	Philippe Zarka	
4:30 PM			(N1)	"Planetary Science with LOFAR and more"	
5:00 PM	Enu or Day	Enu or Day	(Norden)	+	
5:00 PW	End of Day	End of Day			Encoay
5:30 PM	Borrel			Colloquium	
3.30 T W	201101			Borrel	
6:00 PM					
6:30 PM			Workshop		
			Dinner		
7:00 PM					
7:30 PM					
8:00 PM					

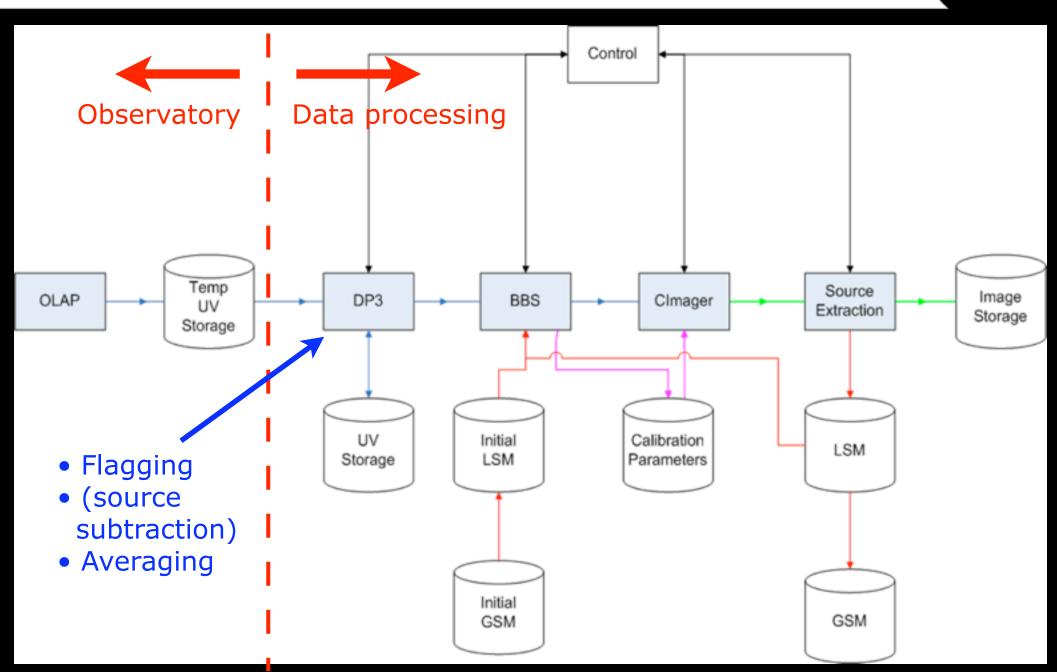




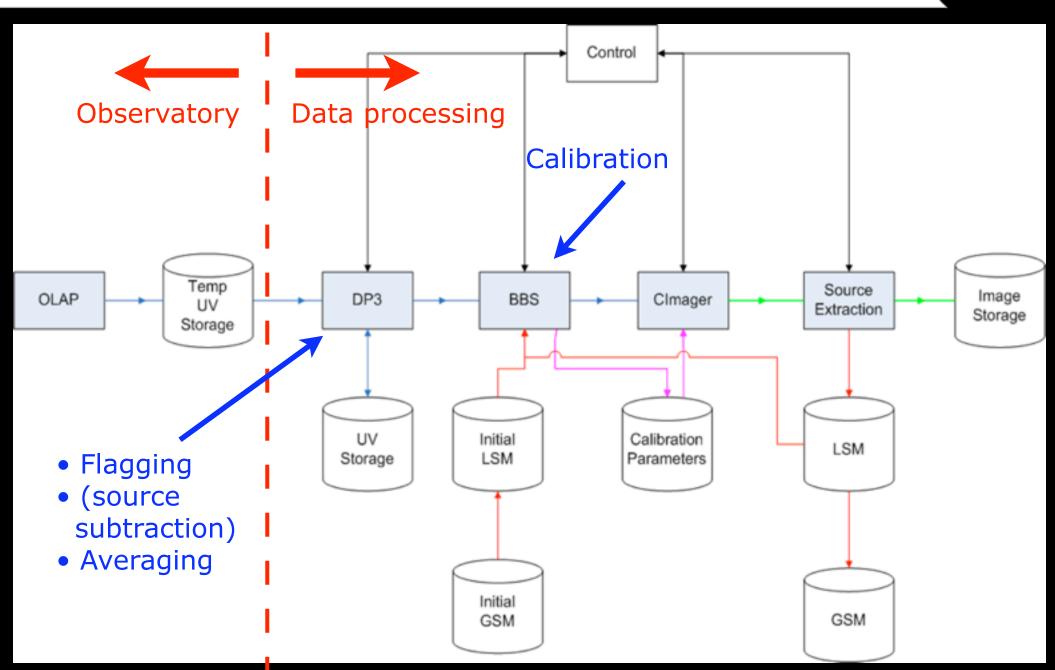




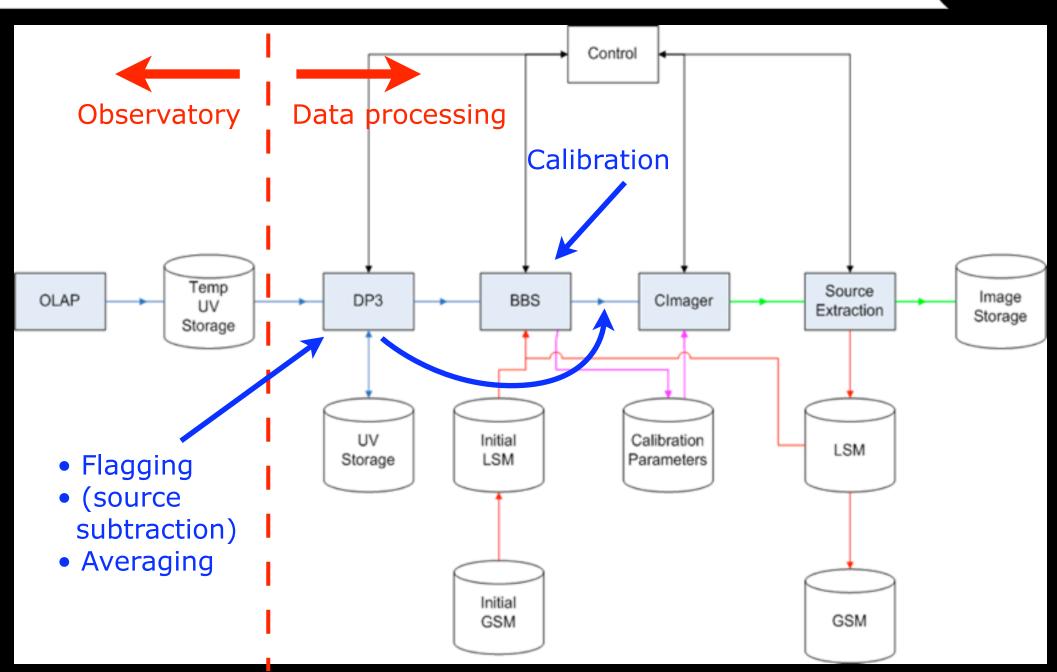




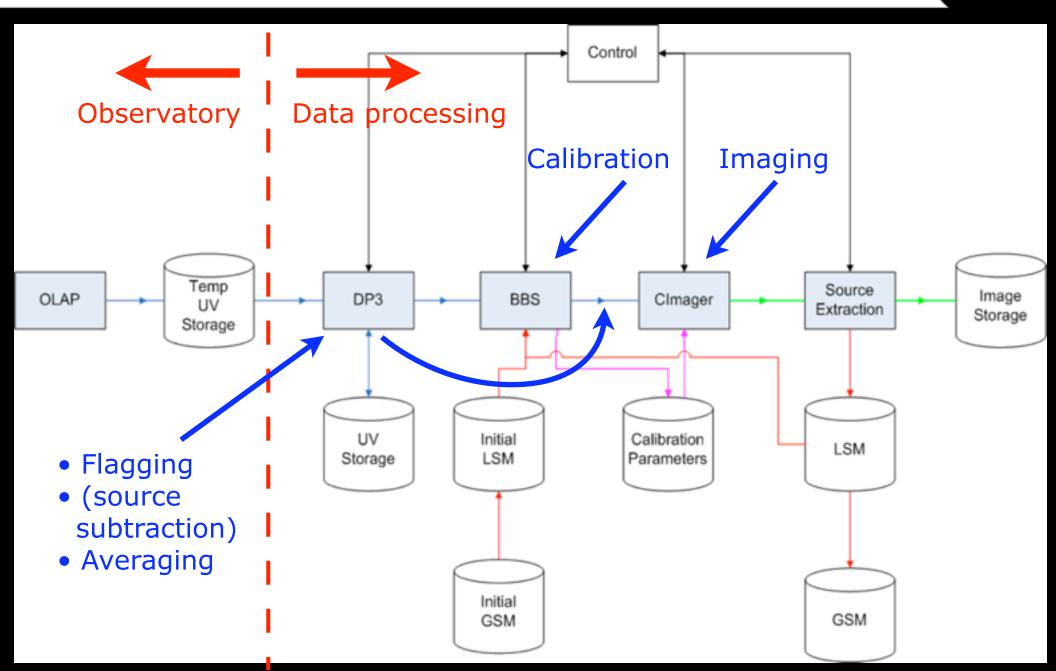




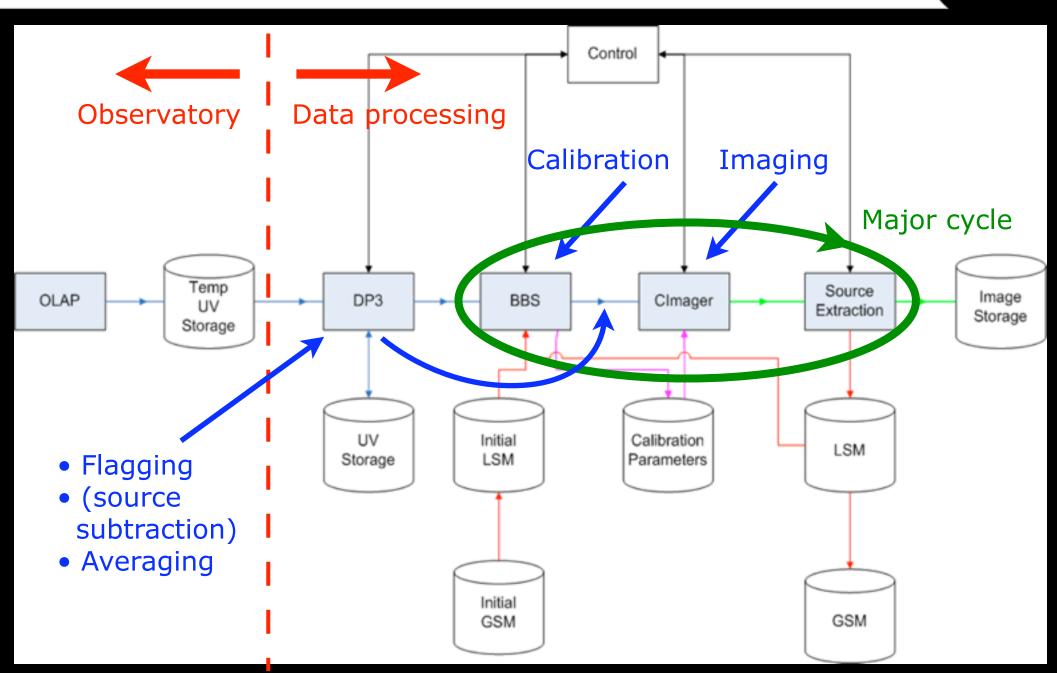












The plan



The aim of the exercises is to give YOU experience to reduce LOFAR data on your own

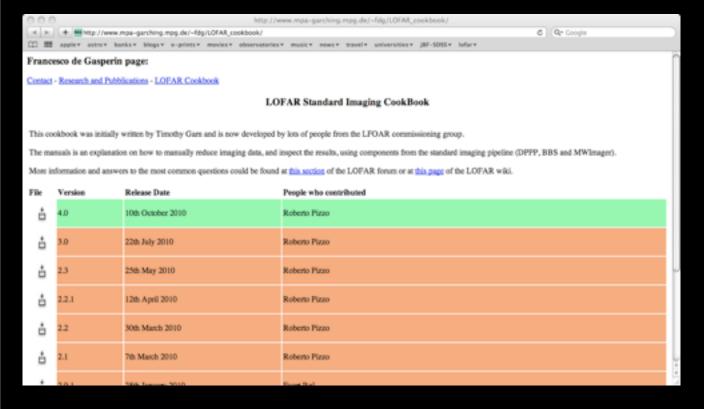
ASK QUESTIONS

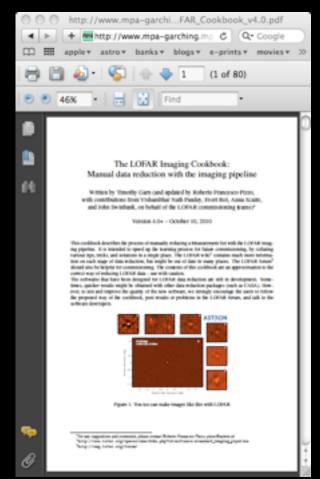
- MONDAY: Logging into the cluster, running NDPPP.
- TUESDAY: Reducing Cygnus A (HBA) data with CASA.
- WEDNESDAY: Reducing Cygnus A (HBA) data with CASA, Ionospheric modeling (some knowledge of CASA), RM synthesis tutorial (limited to 12 people).
- THURSDAY: Wide field imaging of M51 field, continuation of earlier exercise, BBS tutorial.
- FRIDAY: Extra time to continue exercises.
- Tutorials will take place in the Colloquium, Hooghoudt, Muller Rooms.

Work space



- Work in pairs or threes (help each other out; learn by doing).
- The cluster login account is temporary for the week.
- All accounts and data will be deleted at the end of the week.
- Resources: The LOFAR Cookbook

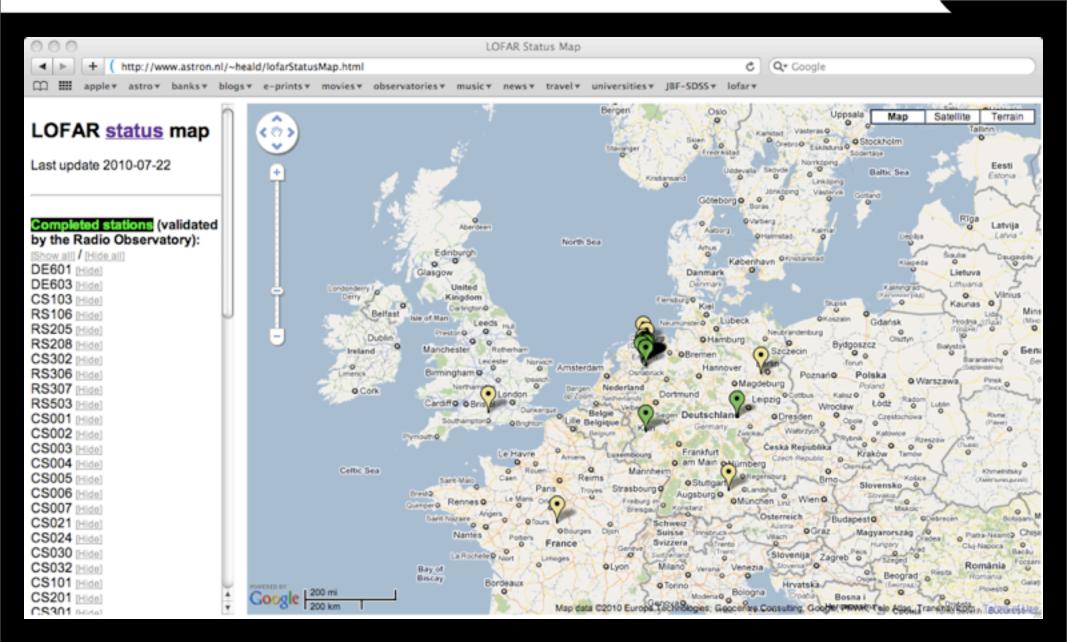




http://www.mpa-garching.mpg.de/~fdg/LOFAR_cookbook/

The station layout





http://www.astron.nl/~heald/lofarStatusMap.html

TODAY



- Logging into the cluster.
- Running NDPPP.
- We will start together and then break up into smaller groups.

LETS GET STARTED

The Team: John McKean (AG), George Heald (AG), Michael Wise (AG), Roberto Pizzo (RO), Ashish Asgekar (RO), Rebecca McFadden (RO) + your lecturers

HAVE FUN AND ASK QUESTIONS