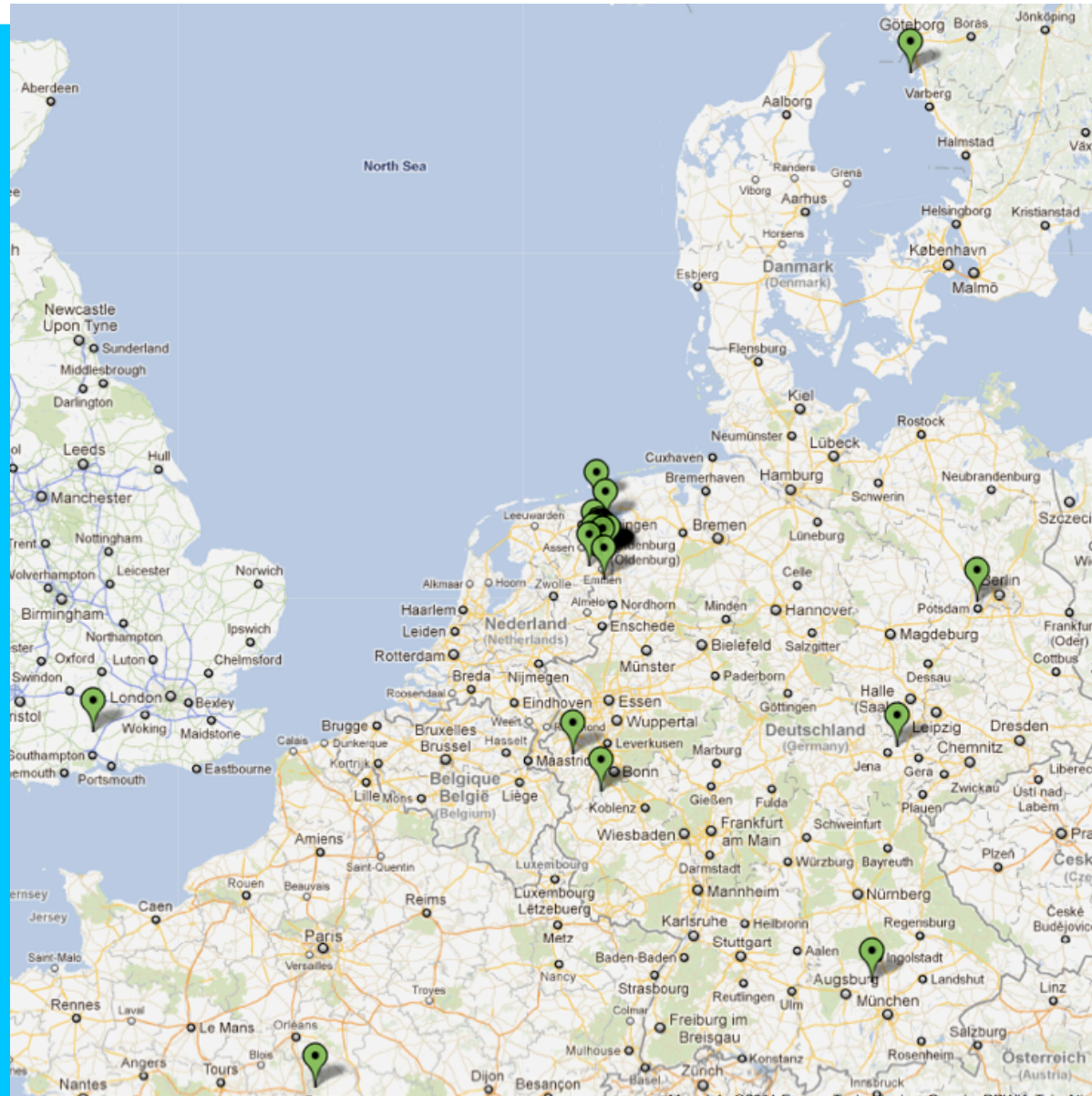


Programme:

- 1) *A. Polatidis: Observatory Update*
- 2) *H. Munk: Update on Software Issues*
- 3) *G. Heald : MSSS update*
- 4) *M. Brentjens :HBA gain problems & Beam holography*
- 5) *M. Mevius: Update on TBB Busy Week*
- 4) *A. Horneffer: Update on the Magnetism KSP Busy Week*
- 6) *R. Pizzo : Update on Imaging Busy Week*

Observatory Status



Current Status:

33 operational NL stations

24 core + 9 remote

Validated:

8 Intern. stations part of the array.

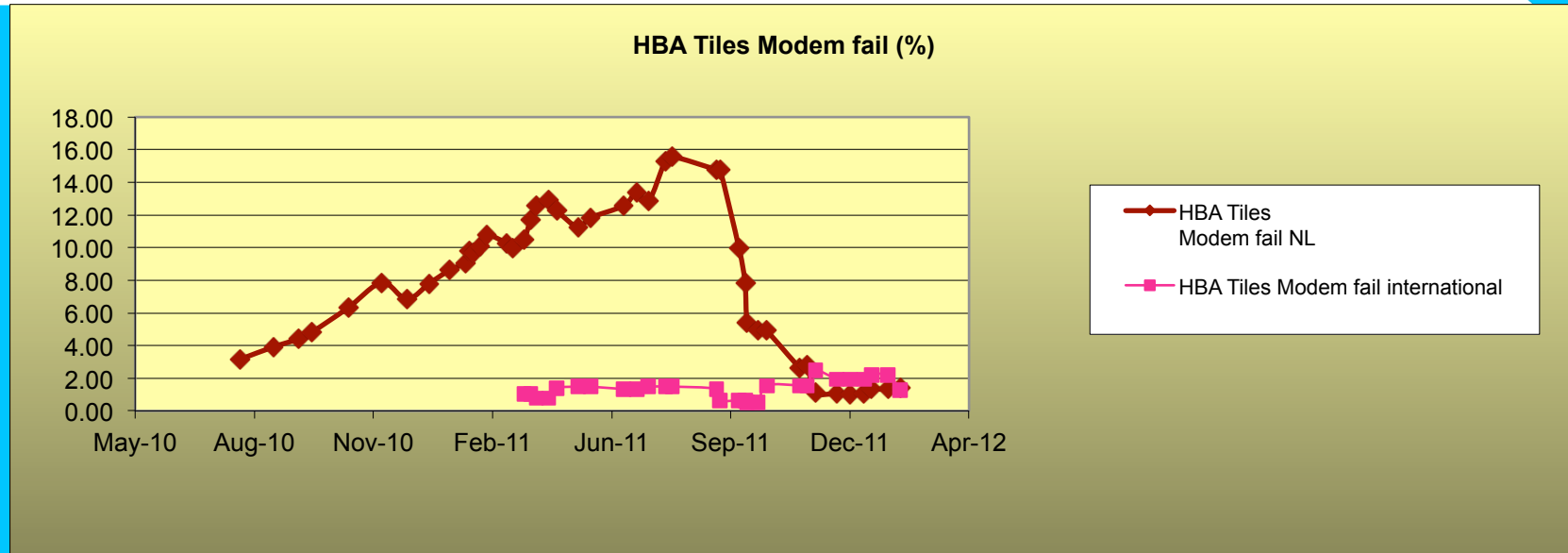
*3*10Gb/s lines operational*

www.astron.nl/radio-observatory/astronomers/current-status

News regarding observations and commissioning

- This week: Software Release vn 0.91 applied across the whole system.
- Calibration tables used for observations since Feb 2 for:
Mode 5: CS011, CS021, CS026, CS028, CS031, CS501
- More calibration tables under analysis.
- Problem of reduced sensitivity of some HBA traced to synchronization of the RSP boards. Under investigation.
- New Beam Formed observation setup tested. Last issues ironed out.
- Further MSSS LBA observations

HBA failure rate:



HBA model failure rate improved since repairs
 Since Nov 2011 (last repair) failure rate 0.2 % per month
 Cf. 1.0% per month in 2011.

HBA elements with wrong polarisation

Station	measured	repaired	Measured after repair	Measured Final	OK!	Number of repaired elements
CS001					4 juni 2010	384
CS002		10/21/10			12 september 2011	43
CS003					3 juni 2010	50
CS004					8 juni 2010	1
CS005					15 september 2010	2
CS006					23 juli 2010	0
CS007					28 juli 2010	6
CS011					7 oktober 2010	0
CS013	1536	All elements 45 degrees off				
CS017					27 juli 2010	0
CS021	4					
CS024					15 juni 2010	288
CS026					10 september 2010	2
CS028	1					
CS030		10/21/10				
CS031	0					
CS032	2					
CS101					30 september 2011	4
CS103					30 september 2010	53
CS201					30 september 2010	81
CS301					23 juli 2010	4
CS302		10/21/10				44
CS401						3
CS501					13 september 2010	1
RS104						
RS106		9/28/10			23 september 2011	27
RS205					9 juni 2010	202
RS208					28 juli 2010	2
RS210						
RS306		10/22/10				1?
RS307					17 september 2010	6
RS310						
RS404						
RS406					9 september 2011	0
RS407						
RS409						
RS410						
RS503		9/29/10	4			10
RS508					21 juli 2011	0
RS509		7/26/11			9 september 2011	133
DE601 Effelsberg						
DE603 Tautenburg					25 maart 2010	5
DE602 Garching					30 juni 2010	3
DE604 Potsdam					20 oktober 2010	3
FR606 Nancy					7 juli 2010	6
UK608 Chilbolton					2 september 2010	0
DE605 Juelich					17 november 2010	0
SE607 Onsala					25 augustus 2011	0



Some HBA stations have swapped polarizations in a few dipoles:

CS028: 4 elements

CS028: 1 element

CS032: 2 elements

CS302: 6 elements

CS401: 1 element

RS503: 4 elements

These will be fixed after the winter.

CEP news: Stopday Feb 6

Operating system updates and diagnostics on various CEP I & CEP II nodes and the BG/P.

Clustervision investigated problems of locus nodes:

"spontaneous reboot problems must be caused by temperature problems due to a lot of bad connected fans. A lot of fans are therefore not running causing temperature buildup within the locus nodes.

ClusterVision will be in contact with the manufacturer (ASUS) to find a solution."

1. List of available nodes, with a full set of working fans(65)
2. List of suspicious nodes where 1 of 2 fans are missing (26)
3. List of problematic nodes, hanging all the time or with only one fan. (5)
4. Not working (4)

<http://www.lofar.org/operations/doku.php?>

[id=operator:current_station_overview#state_of_locus_nodes](http://www.lofar.org/operations/doku.php?id=operator:current_station_overview#state_of_locus_nodes)⁶