



Netherlands Institute for Radio Astronomy

ROLLOUT STATUS & PLANNING

April 1, 2009

LOFAR TENDERS



- Tender process completed
 - CEP components LCU, Offline Processing cluster and Storage cluster, for phase 1, are granted
 - 5 Tflops and 0.5 PB
 - LCU components already delivered
 - Offline Processing and Storage components will be delivered within 2 months
 - Phase 2 procurement has to be initiated before the end of this year

LOFAR PROCUREMENT (1)



- BATCH #1 components production (18 stations) delivered except HBA
 - HBA final assembly started in November 2008
 - Difficult start-up due to learning process and Tyco cable/connector issues
 - At present HBA tiles for 7 Remote Stations and 1 Core Station are delivered
 - Current HBA production rate is 48 tiles/week (1 station/week)
- BATCH #2 production ongoing
- No major component production problems at the moment
 - Tyco cable/connector issues solved
- Energy- and 'last mile' fiber network connection for remote stations is a time consuming process

LOFAR PROCUREMENT (3)



ISSUES

THE WEATHER causing

delays.....











RS302 STATUS LAST WEEK





LOFAR PROCUREMENT (4)



ISSUES

•STORAGE OF THE DELIVERED

COMPONENTS ESPECIALY THE HBA

TILES





Storage of completed hba tiles





Storage at place Luuk vd Laan





LOFAR PROCUREMENT (4)



MITIGATION ACTIONS

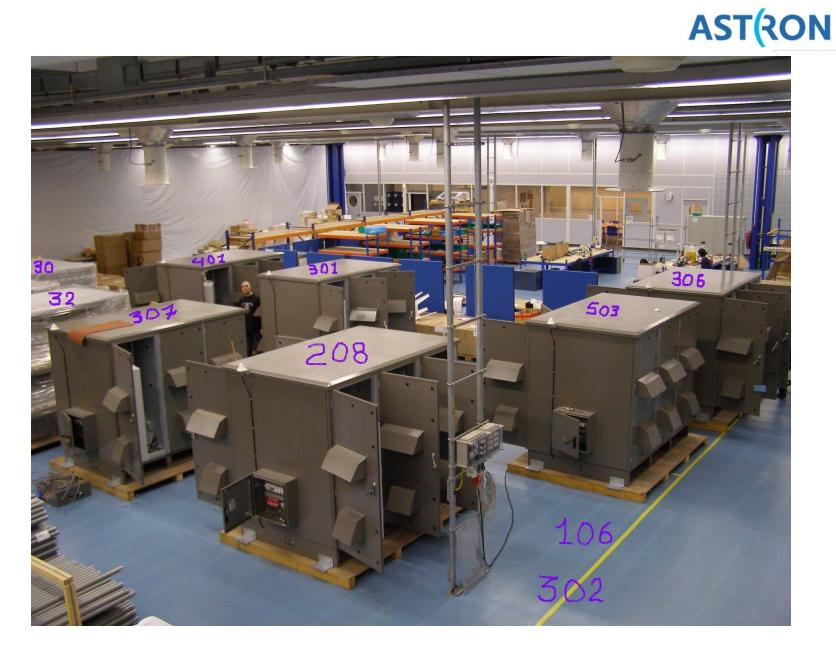
- Full cabinet integration, test and validation at Excel Assemblies (Emmen) instead of on the field
- Transport and installation of fully integrated & tested cabinets as soon as cabinet infrastructure platform is available (decoupled from the HAK activity i.e. ASTRON/LOFAR responsibility)
- Distributed storage locations
 - Stadskanaal (HBA tiles)
 - 2e Exloermond (HBA tiles)
 - LOFAR farm at Central Core Location (HBA tiles)
 - Excel Assemblies at Emmen (all components except HBA tiles)
- AD HOC PLANNING





Excel cabinets





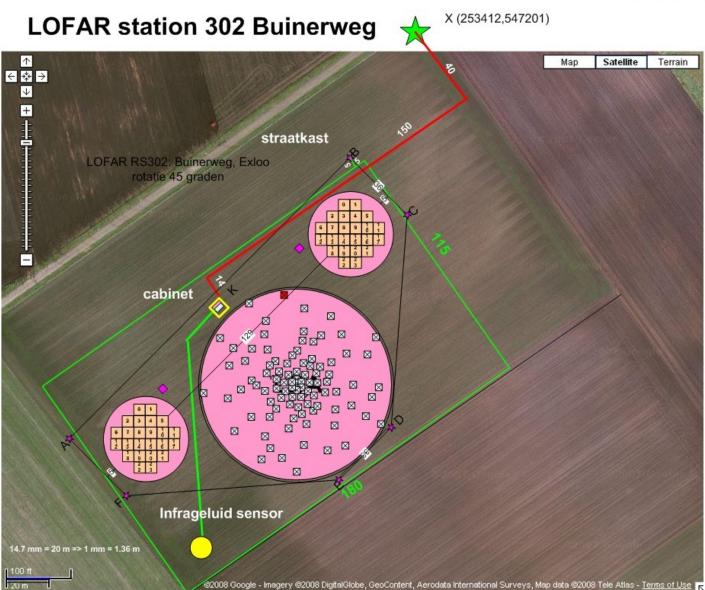


ROLLOUT STATIONS



- THE WEATHER CONDITIONS ARE SUCH THAT FIRST STATION FIELD INTEGRATION ACTIVITIES HAS BEEN STARTED
- CABLE INSTALLATIONS THIS WEEK
- BA & LBA INSTALLATION NEXT WEEK
- SYSTEM TESTING 2 WEEKS LATER
- HANDOVER 302 ...







AD.













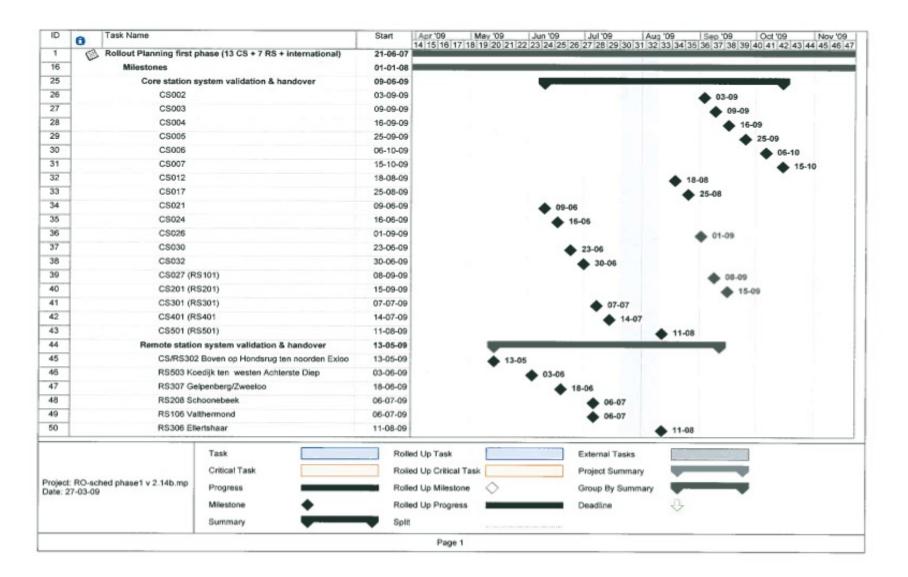


ROLLOUT STATIONS



PLANNING V2.15





PLANNING V2.15



ID	0	Task Name		Start	Apr '09 M	ay '09 Jun	n '09	Jul '09	Aug '09	Sep '09	Oct '09	Nov '09
51		CS/RS 10	3 2km oost van core	27-08-09	141101101111011	D'EVIETIEE ES	24 20 20	27 20 23 00 31		27-08	Q14014114614	3 44 43 40 47
52		RS104 Tw	eederdeweg zuid Nieuw-Buinen	11-09-09						. 11-	09	
53		International s	tation validation & acceptance	27-05-09								
54	1	DE602 Va	lidation & Acceptance GarchinG	27-05-09		♦ 27.	-05					
55		DE603 Va	lidation & Acceptance Tautenburg station	04-08-09		•	04-06					
56		DE604 Va	lidation & Acceptance Potsdam station	14-07-09				14-07				
57		DE605 Va	lidation & Acceptance Juelich station	14-08-09					• 14-08			
58		FR606 Va	Edation & Acceptance Nancay station	09-12-09								
59		UK608 Va	lidation & Acceptance Chilbolton station	25-09-09							25-09	
60		SE607 Va	lidation & Acceptance Onsala station	06-11-09							•	6 06-1
61		NAA site acce	ptance	01-01-08					101	-		
62		geo + infr	asound	15-01-09					-			
63	~	RS 4	07Annerveen	15-01-09					•			
64		RS30	7 Gelpenberg/Zweeloo (1) (see RS RO)	18-06-09			. 18	3-06				
65		RS30	6 Ellertshaar(2) + geo (see RS RO)	11-08-09			•		4 11-08			
66		RS20	8 Schoonebeek (3) +geo (see RS RO)	06-07-09				06-07				
67		RS20	6 't Haantje	17-04-09	17-04			•				
68		RS40	9 Hoomsterzwaag	22-04-09	♦ 22-0	4						
69		RS30	9 Karshoekweg,Stegeren	28-04-09	• 2	8-04						
70		R\$50	7 Alleveer	15-05-09		15-05						
71		RS50	8 't Waar	29-08-09		•		29-06				
72		RS10	7 Bij Sellingen	17-04-09	• 17-04							
73		RS20	7 Nieuw Dordrecht/Klazienaveen	28-05-09		• 28	-05					
74		R\$30	8 Wijster/Bruntinge	05-06-09		•	05-06					
75		RS40	6 Gieten	12-06-09			• 12-06	5				
76		RSXX	X Gasteren	19-05-09			. 11	9-06				
77		R\$40	8 Zuidvelde	26-06-09				26-06				
78		R\$50	6 Bij Vledderhuizen	03-07-09				• 03-07				
			Task	Rolle	d Up Task			External Tasks	-		1	
			Critical Task	Rolk	d Up Critical Task			Project Summary	-			
roject	RO-sc	hed phase1 v 2.14b.mp				~			-			
	7-03-09		Progress		d Up Milestone	V		Group By Summa				
			Milestone 🔶	Rolk	d Up Progress			Deadline	5			
			Summary	Split								
					Page 2						- · · · ·	

PLANNING V2.15



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79	Infrasound	01-01-08	1011/1019/20121/22	23/24/20/26	[51 [50] 54 [30] 31	134 33 34 35	120121 20 29	40[41]42]43	5]e4[65]46[4
80	Westerbork(infrasound)	16-01-08							
81	Dwingelo(infrasound)	16-01-08							
82	ITS veid (normale infrasound)	01-01-08							
83	Hoogfrequent veid (TS (apart project)	01-01-08							
84	RS503 Koedijk ten westen Achterste Diep	03-06-09		• 03-06					
35	RS302 Boven op Hondsrug ten noorden Exloc	13-05-09	13-05	5					
86	RS104 Tweederdeweg zuid Nieuw-Buinen	11-09-09	•				11-09	•	
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