Date:	2010-01-27		
Next meeting:	2010-02-03 9:30-10:30		
	Multimedia room		
Present:			
Andre Gunst	Yes		
Ronald Nijboer	No		
Ruud Overeem	Yes		
John Romein	Yes		
Michael Wise	No		
Harm Munk	Yes		
Hanno Holties	No		

cc: Arnold Meijster, Rob van Nieuwpoort, Arthur Coolen, Jurjen Sluman, Pieter Donker, Chris Broekema, Joris v. Zwieten, Marcel Loose, Adriaan Renting, Ger van Diepen, Michiel v. Haarlem, Jan Reitsma, Ger de Bruyn, Arno Schoenmaker, Hanno Holties, Corina Vogt, Jan Noordam, Joe Masters, Lars Bähren, Johan Hamaker, Sven Duscha, Jan-David Mol, Teun Grit, Alwin de Jong, Frank Breitling, Anastasia Alexov, Jason Hessels, Joeri van Leeuwen, John McKean, George Heald.

Remarks previous minutes

- Ger van Diepen (via mail) in system integration section: Chris his changes in the data format do not require an update of the casacore library. They only require an update of the LofarStMan library which is part of the LOFAR repository.
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Announcements

- Jan-David received his Phd!
- Tautenburg station is online now with the full bandwidth. A first fringe was detected with a Dutch station.
- The link between Juelich Amsterdam is shared with eVLBI. Thursday 28 January link tests will be performed in collaboration with eVLBI.
- Now an imaging busy week is held in Leiden.

ID	Date submitted	Description	Owner	Planned date	Status
96	20100113	Organize meeting about the benchmark results of the imaging pipeline. Done. John Romein will assist in estimating the required resources and how this compares with the benchmark results.	André	20100120	Closed
97	20100113	Should more people of the observatory be participating the standard imaging pipeline meetings?	Harm	20100120	Open
98	20100113	Organize a meeting to decide on the	André	20100127	Open

Action item overview

		repositories structure and issue/bug trackers for LOFAR. Meeting is planned.			
99	20100113	Report on release management.	Harm	20100127	Open
100	20100120	Discuss actions to be done for the LOFAR opening.	All	20100127	Open
101	20100120	Assign subcluster one for running the standard imaging pipeline. Yes we will use subcluster 1 for the imaging pipeline.	André	20100127	Closed
102	20100127	Get clear how users want to do 2000 observations in a week for MSSS.	Ruud	20100210	Open
103	20100127	Why is the station hardware not used more often?	Harm	20100203	Open

Last: 102

Progress

Imaging Pipeline (Ronald):

Achieved since last meeting:

- How to do 2000 observations in one week. Can we use the scheduler of Alwin for this. What changes are required in MAC/SAS or OLAP? Before detailing this more, a number of questions need to be answered. Ruud will participate in the next imaging pipeline meeting to fire off those questions.
- Next Tuesday the LBA BeamServer will be tested. The week thereafter the tests
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Problems / current activities:

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Next actions:

• Focus on the minimal required tasks for MSSS.

Pulsar Pipeline (Michael):

Achieved since last meeting:

- This afternoon there will be a meeting.
- Jan-David is busy with the second transpose operation.

Problems / current activities:

Next actions:

• Implement second transpose operation.

• Update BF datawriter.

VHECR Pipeline (Michael):

Achieved since last meeting:

• Meeting with the UHEP people have been held to discuss the implementation of the inverse polyphase filterbank and the rest of the UHEP processing steps. One of the conclusions was that the UHEP people can already start with tied array data (which is also used by the pulsar people). The second transpose which is necessary for this mode is implemented by Jan-David (also necessary for the beamformed pipeline). John will investigate further in detail the load of the required steps on the BG/P. However in order to do so, the functional (not optimized) implementation has to be started. Rob van Nieuwpoort will work on the inverse polyphase filterbank. Also the different format where Chris is working on is required for the UHEP mode as well.

Problems / current activities:

Next actions:

• Identify all tasks necessary for getting a basic VHECR pipeline running.

System Integration

Achieved since last meeting:

- OLAP is using CMake!
- Number of validated stations is now 17.

Problems / current activities:

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Next actions:

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Infrastructure (Harm)

Achieved since last meeting:

• CS001 station will be used for testing new releases of the software. After that the software will be rolled out to two additional stations. Together with the other available stations interferometer tests will be performed.

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Problems / current activities:

• Yet another meeting about the repositories and issue trackers will be organized to decide on the final way of working concerning these matters.

Next actions:

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User Data and Archive (Hanno)

Achieved since last meeting:

• Kick off of Target meeting was held yesterday.

Problems / current activities:

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Next actions:

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- •

Decisions

ID	Date submitted	Decision	
02	20061220	Every Step will start with a Kick-off meeting, in which the complete software team	
		participates.	
03	20061220	The project team starts immediately with the preparations of the next CDR in order to	
		preserve progress of the CS1 realization	
04	20070116	This meeting will take place every week on Tuesday 11:00. The existing software	
		team meeting with all developers will stop to exist.	
05	20070130	Step 1 will be changed to 16 subbands instead of 32 subbands.	
06	20070130	Step 2 will contain a multiple node BBS. 6 µStations/Station will be postponed.	
		Instead of this, 32 subbands measurements will be realized.	
07	20070206	Step 1 will support 160 MHz observations. The other steps will support 200 MHz as	
		well.	
08	20070424	Step 2 will support 16 subbands @ 200MHz and 24 MHz at 160 MHz	
09	20070424	During the rest of step two, OLAP will only support observations during the	
		weekend.	
10	20070522	The number of subbands per Measurement Set is set to 6 or 8 default.	
11	20070522	Scheduler activities will be preferably activated in Q4 2007.	
12	20070522	Procure, three Local Control Units to accommodate 12 microstations in CS010 in a	
		quick way.	
13	20070529	Integrate version numbers in all software.	
14	20070529	Distinguish the software between a production version and an engineering version	
		(partly now already the case).	
15	20070605	All developed software under CVS will be transferred to Subversion. The main	

 reason for this is that Subversion supports the integration of version numbers in the executables. In this way you can always retrieve which software is used for a certain build. First the impact of the transfer will be investigated by Marcel. 20070710 Marcel Loose will be the librarian of the LOFAR software. The available time for this will be shared with his BBS work. 20070710 The known pulsar survey mode will be the next mode to support (not in its full extent but gartly on-line and off-line). 20070710 The temporarily off-line part of the known pulsar mode pipeline will not be under control of SAS/MAC. This will be put under control of SAS/MAC as soon as that software is available in the on-line part of the system. 2007102 Fault tolerance of the system (mainly OLAP) is put at the top of the priority list after closing the SAS-MAC and CEP integration. 20071123 Kubuntur 7.10 desktrop 64 bit OS is chosen for all machines except the BG/L and MAC/SAS machines 20071123 Station calibration work is smeared out over Step 4 and Step 5. 20071211 Studio calibration work is smeared out over Step 4 and Step 5. 20071211 Studio consistent with the plan). 20080130 Multiple beams are defined as multiple directions with the same set of antennas. Hence, only the angle, subbands and beamlets can be modified per beam. 20080206 Step 4 and Step 5 for MAC/SAS will be changed. The control of the offine pipeline will be postponed because the offine usubsystems are not fixed yet. Currently the definition and design of the metadata flows will be set as goal for Step 4 and the implementation of the metadata flow will be the algoal of Step 5. Hence, after Step 5 (part of) the mostiong this probably should be changed in the future. 20080201 Curre	1		
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	39	20081112	
During bug solving tests should be written up, which proves the correct behavior.			
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		These tests will result in a procedure to check the functionality when new soft/firm
		ware is loaded.
40	20081126	The 4 bit mode will be supported after MS ³ .
41	20081203	We will modify the build environment to cmake from now on.
42	20090129	Transient source modeling tool under Python will be used for source modeling.
43	20090129	Delay deadline of Step 2 to 26 February 2009.
44	20090209	Remote Stations including the ring splitter near the core will be renamed to CS
		stations.
45	20090813	No connection from the Dwingeloo test environment to Groningen is necessary
		anymore.
46	20090825	Create a Bugzilla environment for the USG software.
47	20090825	Use one subcluster per group, contactpersons and guidelines defined (see section
		Software integration).
48	20090909	Use the filter range names of MAC/SAS for the ICDs and the archive model.
49	20101216	HBA beam pointing: we decided that one observation is prime and determines the
		HBA beam. The other observations will be ranked. An additional field for the HBA
		beam pointing can be set. If this field is not set, then an average of all digital beams
		will be made within the prime observation.

Last: 49

Table round

• André is worried by the fact that during last weekend no observations were planned. Is the hardware not used fully and why? Probably because we generate already to much data and we do not have the people to look into that. Anyway Harm will ask head of science support (Antonis Polatidis) for an explanation.