Pulsar Pipeline Checklist		
BG/P	tasks	Developer
BG/P	TAB Pipeline	John Romain, Jan David Mol, Rob van Nieuwpoort
	Design/preparatory work for BG/P 2nd transpose	John Romain, Jan David Mol, Rob van Nieuwpoort
	Implement prepratory work for BG/P 2nd data transpose	Jan David Mol
	Implement BG/P 2nd data transpose	Rob van Nieuwpoort
	Document "new" BFout stream (post 2nd transpose)	Jan David Mol
	Test and bug fix 2nd transpose	Rob van Nieuwpoort, Jan David Mol, John Romain
SAS / MAC		
	Integrate of TAB module into SAS/MAC	Jan David Mol, Ruud Overeem
	Offline Pipelineline connection to SAS/MAC	John Swinbank, Ken Anderson, A2, Ruud Overeem
PEOUE		
BF2H5 online version	BeamFormed Writer (1st version to OLD ICD spec)	Alwin de Jong
Offinite Version	Test syn externals when building LOFARSOFT with the DAL	Lars Baehren, Marcel Loose, Alwin de Jong
	Integrate DAL "BF" and "Common" classes into BF2H5	Alwin de Jong
	Integrate parset reader into BF writer w/in LOFARSOFT	Alwin de Jong, Jan David Mol
	Integrate new BF H5 data format (ICD) into BF2H5 (raw data)	Alwin de Jong
	Integrate new BF H5 data format (ICD) into BF2H5 (BG/P out data)	Alwin de Jong, Jan David Mol
·	5	
offline version	Extract UDPcopy and IonProc out of LOFARSOFT	Alwin de Jong, Jan David Mol, Masaya
	Extract parameterDB out of LOFARSOFT Create standalone BF2H5 tool	Alwin de Jong, Macaya
	Create standalone BF2H3 (00)	Alwin de Jong, Masaya
BF ICD		
	Create mock BF H5 files with 4 types of data storage containers	A2
	Benchmark (DAL C++) 4 storage types to choose optimum BF container	
	Finalize BF ICD	A2, L. Baehren, J. Romain, JD Mol, J. Hessels, K. Anderson
	(Perform benchmarking on H5 chunking)	K. Anderson, A2, L. Baehren
	Identify source of metadata values (& calculations)	Alwin de Jong, R. Overeem, J. Hessels, M. Wise, A2, B. Stappers
	Profile BF Observations (& Pipeline) for typical stats on sizes	J. Hessels, B. Stappers, M. Wise
USG Software Repository		
Pipeline Tools	Daily build of USG repository on offline cluster	Arno, Mike Wise, Lars
	Integrate FFTW-3.1.2 into cmake	A2
	Integrate PPGPLOT into cmake	A2
	Interate TEMPO into cmake	A2
	Integrate PRESTO into cmake	A2; Lars
	Integrate SIGPROC into cmake	A2
	Integrate PSRCHIV into cmake	A2
	Test software installation/components on new cluster	A2, J. Hessels, B. Stappers
	Test software installation/components on user machines Integate "convert" (bf2presto) into cmake	Pulsar Group
	Update/maintain/expand "convert" (bf2presto) program for BF observation	A2 Tom Hassal A2 Jan David Mol
	Operation maintain respond Convert (Dispresso) programmer of Observation	, Iom Flacoui, 712, our Duvid Wo
DAL	Create DAL classes for BF metadata and structure (abide by ICD)	Lars Baehren, A2
	Create DAL methods to access data from BF structure (abide by ICD)	Lars Baehren, A2
	Wrap BF DAL classes and methods with Python for PyDAL	A2, Lars Baehren, K. Anderson
	Ongoing PyDAL updates and bugfixes	A2, Lars Baehren, Frank B.
	Integrate HDF5 into file I/O for Presto/TEMPO/etc	A2

Pulsar	Pipe	line
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Design Pulsar Pipeline for basic observing modes	J. Hessels, B. Stappers, J. van Leeuwen, A2, M. Wise
Decide how to distribute the Pulsar Pipeline	M. Wise, L. Baehren, J. Hessels, A2, J. Swinbank
Implement Pulsar Pipeline Design within the iPython Framework	A2, K. Anderson, J. Swinbank
Pipeline Testing	A2, K. Anderson, J. Swinbank, J. Hessels, B. Stappers, J. Van Leeuwen
Release Pulsar Pipeline	M. Wise
Design Pulsar Pipeline(s) for other observing modes including survey	J. Hessels, B. Stappers, J. van Leeuwen, A2, M. Wise

Archive

Sync Archive schema with BF ICD	A. Renting, A2, L. Baehren, M. Wise, R. Overeem
Archive Pulsar raw data	A. Renting
Archive Pulsar Pipeline Processed data	A. Renting, A2

Misc.

(Remove PGPLOT from PRESTO)
(Work with the VO on format/protocol issues for LOFAR HDF5 data)

Lars Baehren, A2

J. Swinbank, A2, M. Wise, K. Anderson

Commissioner	Expected date of readiness	remarks
Jan David Mol, Jason Hessels Rob van Nieuwpoort, John Romain, Jan David Mol Rob van Nieuwpoort, John Romain, Jan David Mol Jan David Mol, Alwin Rob van Nieuwpoort, Jan David Mol, Alwin de Jong, Jason Hessels	Done in early 2009 in process, 1-2 months 1-2 months 1-2 months 1-2 days s 1-2 weeks	John, Jan David and Rob have completed the discussions; 4-phased for transpose prep, then transplan David is implementing several computational phases in preparation for transpose Rob will add the program code that does the actual comminication
Jan David Mol, Ruud Overeem John Swinbank, Ken Anderson, A2, Ruud Overeem		Can reuse the work done for the Imaging Pipeline integration
Alwin de Jong, J. Hessels Alwin de Jong, Marcel Alwin de Jong Alwin de Jong Alwin de Jong, A2, J. Hessels Alwin de Jong, A2, J. Hessels, Jan David Mol	Done in process, 1-week	Lars has spoken to Marcel and emailed relevant info; Lars to touch base with Marcel to implement ir
Alwin de Jong Alwin de Jong Masaya, James Anderson		
A2 A2, Jason Hessels A2, Lars Baehren, J. Romain, JD Mol, J. Hessels, M. Wise	Done 1-2 weeks	4 types are: 1D arrays, ND arrays, 1D tables, ND tables (note ND arrays are memory limited) DAL is missing Array/Table real() methods from sub-groups; Lars to add functionality before benchm John Romain's comments and James Anderson's comments integrated; moved Coord Group; may on to necessary for completion of the pipeline Put this as an adgenda item for discussion during the next BF status meeting should be a chart in the ICD to view typical data sizes for types of observations; waiting on Jason
A2 fixing seg fault & other issues on new cluster build	Done Done Done 1-2 weeks	Mike to start up the process of asking Arno to include this in a daily build note, depends on system install of PGPLOT workaround for problems with reading files with line length > 70 chars; fix requested to developer accelsearch sef fault (non LOFAR data); cmake external dependencies can be made smarter (Lars)
The Pulsar Group A2, Tom Hassal	in process in process; low priority	not 100% sure this is needed fixing problems as they unfold Ramesh would like a copy of the software suite within cmake; TEMPO doesn't build on Mac OS 10.6
A2, Tom Hassal, Jan David Mol, J. Hessels	in process	Tom needs to check in his version into the ISG repository implemented three highest tiers of H5 structure (not yet lowest tier where the data structures are)
The Pulsar Group The Pulsar Group	in process	need to formalize the to-do and bug list

The Pulsar Group

A2, K. Anderson, J. Swinbank A2, J. Hessels, B. Stappers, J. Van Leeuwen

A. Renting, A2, J. Hessels

A. Renting, A2, J. Hessels, M. Wise

A. Renting, A2, J. Hessels, M. Wise

The Pulsar Group

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create use-cases and map these to tools/parameter settings; start at PBW #6 do we need to integrate the Transient S/W repository with the USG S/W repository? meeting scheduled for Dec 18th

not needed for completion of first pipelline release

in process

meetings took place to mesh the LOFAR ICD with the Archive schema

investigate S2PLOT or some other package which can be used in general for LOFAR data plotting not needed for pipeline release