Pulsar Pipeline Checklist		
BG/P	tasks	Developer
BG/F	Design/preparatory work for BG/P 2nd transpose	John Romain, Jan David Mol, Rob van Nieuwpoort
	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
BF2H5		
online version	Merge USG repository as svn external package into LOFARSOFT	Lars Baehren, Marcel Loose
	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
offline version	Extract UDPcopy and IonProc out of LOFARSOFT	Alwin de Jong, Jan David Mol, Masaya
	Extract parameterDB out of LOFARSOFT	Alwin de Jong, Jan David Mol, Masaya
	Create standalone BF2H5 tool	Alwin de Jong, Masaya
DE IOD		
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		
Integrate Pulsar SW into USG	Integrate FFTW-3.1.2 into cmake	A2
integrate raisar err inte eee	Integrate PPGPLOT into cmake	A2
	Interate TEMPO into cmake	A2
	Integrate PRESTO into cmake	A2
	Integrate SIGPROC into cmake	A2
	Test software installation/components on new cluster	A2, J. Hessels, B. Stappers
	Test software installation/components on user machines	Pulsar Group
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
Related Tools	Update/maintain/expand "convert" program for ongoing BF observations	S Tom Hassal A2 Jan David Mol
related fools	Integate "convert" into cmake	A2
		_
Pulsar Pipeline	Design Dulger Displies for book and a single second	Lileggele D. Ctennere I. venil commerc. AC M. Miles
	Design Pulsar Pipeline for basic onserving 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
Design Pulsar Pipeline(s) for other observing modes including survey

M. Wise
J. Hessels, B. Stappers, J. van Leeuwen, A2, M. Wise

Sync Archive schema with BF ICD
Archive Pulsar raw data
Archive Pulsar Pipeline Processed data

A. Renting
A. Renting
A. Renting, A2
A. Renting, A2

(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

Archive

Misc.

Commissioner	Expected date of readiness	remarks
Rob van Nieuwpoort, John Romain, Jan David Mol Jan David Mol, Alwin Rob van Nieuwpoort, Jan David Mol, Alwin de Jong, Jason Hessels	in process, 1-2 months 1-2 months 1-2 days s 1-2 weeks	Rob and John have started talking about what needs to be done Rob works at ASTRON 1-day/week; additional days in Delft for LOFAR
Jan David Mol, Ruud Overeem		
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 Alwin de Jong Alwin de Jong Masaya, James Anderson	in process, 1-week	Lars has spoken to Marcel and emailed relevant info; Lars to touch base with Marcel to implement in
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) not necessary for completion of the pipeline need to schedule a meeting to go over these issues (possibly during PBW #6) should be a chart in the ICD to view typical data sizes for types of observations
A2 fixing seg fault & other issues on new cluster build The Pulsar Group The Pulsar Group The Pulsar Group A2, Tom Hassal, Jan David Mol, J. Hessels	Done Done Tone Tone Tone The process In process In process In process In process	note, depends on system install of PGPLOT workaround for problems with reading files with line length > 70 chars; fix requested to developer not 100% sure this is needed Ramesh would like a copy of the software suite within cmake implemented three highest tiers of H5 structure (not yet lowest tier where the data structures are) need to formalize the to-do and bug list needs documentation and upgrade to accept command line parameters
A2, Tom Hassal The Pulsar Group A2, K. Anderson, J. Swinbank A2, J. Hessels, B. Stappers, J. Van Leeuwen		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?

not needed for completion of first pipelline release

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

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

in process

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

The Pulsar Group ?

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