															2011				
	Tasks:	January	Fel	bruary	March	April		May	June	July		August September	October 1	lovember D		January	February	March	
/P	1 MUNICOL			Di dai y	mu on	- April		y	ounc	ouiy		August	Outober 1	torember b	. Cociniber	oundary .	i cordary	I WILLI CIT	
	Calibrate Phase-Frequency correction due to cable lengths	JD, JR, J,	MB, JL																
	Implement proper Stokes I,Q,U,V on the BG/P (depends on beam model)								J, B, SW	JD									
	Implement on-the-fly squashing of channels per subbands for BF (IM+BF obs)			JD				JD											
	TiedArray Multi beam observational testing [RA,DEC print out via MoM to parset]			JD		JD, J													
	Bypass 2nd Polyphase Filter in TAB pipeline							Chris E	l.										
	Implement BG/P 2nd data transpose for IncoherentStokes data (post H5 CS)							JD											
	Implement BG/P 2nd data transpose for Raw Voltage (BF) data (post H5 CS, IS)							JD											
	Online Coherent De-dispersion on CEP	JR, JD, J,	В			JR, JD	, J , B		JR, JD, J										
	Online Coherent De-dispersion Search Mode on CEP (multi beams all de-dispersed) Separate BF from IM data writing on subclusters and disks (maybe non-issue after Phase II)								JH, JD, J	, в		Alwin, JD							
	Integrate real-time phase correction into TAB module (from Imaging results) [lower priority if core single clock]											Alwin, JD	unossianod						
	Investigate extending the single clock on the entire core (hardware)		.1.5	B, Andre, RO									unassigneu						
	intestigate extending the single block on the chare core (naraware)		0, 1	5,741040,710															
S / MAC/MoM																			
	Add new switches to the MoM-template creation script for IM to match some BF switches		A2																
	MoM additional features/connectivity to SAS/MAC (DM field, Pulsar Catalog drop down, etc)				Nico, JD, J, A	12													
	Maintenance of xml-related (Mom import/export) scripts	A2, (Nico)	==> ongoing	g work															
	Offline Pipeline Framework connection to SAS/MAC (automated kickoff)	Marcel			? ?														
	BF-Observing Cookbook maintenance and updates as needed	Ashish, A2	, Vlad ==> c	ongoing work															
H5 online version		10																	
	Integrate DAL package + Pelican + Lofarsoft BF H5 data writer (abide by ICD) (BG/P CS out data)	JD	40	onfirm restults															
	BF H5 data writer (abide by ICD) (BG/P CS out data) BF H5 data writer (abide by ICD) (BG/P IS out data)	mpiem טנ	terit, A2 - 00	mirm restults				ID Inc	lomont AC	confirm restults									
	BF H5 data writer (abide by ICD) (BG/P IS out data) BF H5 data writer (abide by ICD) (raw data)							an imp	ienterit, A2	JD implement. A	ig - confirm	n restults							
	Load testing of H5 read/write of BF data									22 amplement, Al	JD								
ICD																			
	Profile BF Observations (& Pipeline) for typical stats on sizes					Jason													
	Benchmark (DAL C++) 4 storage types to choose optimum BF container							A2											
	Perform benchmarking on H5 chunking (storage efficiency and optimization)						Unassign	ned											
	Finalize BF ICD	A2 ==> on	going work																
	Identify source of metadata values (& calculations)							J, JD, A	12										
	Create DAL classes for BF metadata and structure (abide by ICD)	Lars																	
	Create DAL methods to access data from BF structure (abide by ICD)	Lars																	
	Hook in Coordinate Group-related material into the DAL. Wrap BF DAL classes and methods with Python for PyDAL			0	Lars (A2, Lars)														
	Ongoing PyDAL updates and bugfixes			Sven + ((A2, Lars) A2 ==> ongoin	a work													
	Integrate HDF5 into file I/O for Presto/TEMPO/etc			Sveil +)	Az ==> origoni	g work							A2 + unsesioned						
	integrate his onto the volon restort Emilionete												y at 1 dilabagned						_
sar Tools																			
	Design/implement Pulsar Pipeline(s) for other observing modes (RAW Voltage, OCD)		A2.	. J. Aris N. Joris	s														
	Maintain/fix Daily build of USG (Pulsar) repository on offline cluster	A2 ==> on	going work																
	Test software installation/components on Phase II cluster				A2,	RO													
	Adapting pipeline to work on CEP II (increase number of cores, data locations, etc)					A2, Thi	ijs												
	Update USG Pulsar cmake dependancies for external packages so that "all build" is shorter								A2, Lars										
	Assist Pulsar Group with integration of tools/scripts into cmake & USG Maintain/upgrade Pulsar shell script pipeline	A2 ==> on A2 ==> on	going work																
	Convert Pulsar Pipeline to run with H5 input, using intermediate Presto binary files	A2 ==> On	going work					42		A2	A2	A2							
	Create Pulsar Test datasets and cmake automated test-suites for code sanity check (non-LOFAR)							/		,	,	742				A2. J			
	Branch Pulsar OTF code changes to original tool repositories (sourceforge, etc)													A2					
sar Pipeline Integratio	n																		
	Observing Plan / Regular weekly Testing of BF observations		Asi	hish, Michiel B.		+ ongo	ing work												
	Pulsar Pipeline Integration of all modes into the Framework **(See attachment with all modes)**	A2 + unas	signed				Ī												
	Pulsar Pipeline (sh & py) profiling (if speed is less than real-time; most relevant for multi-beam modes)							A2 + unassigned											
	PWG learning curve of Pipeline Framework		A2,	, T, J, V															
	Pipeline Framework issues/problems/hickups action items	Thijs, Ben,		A2, K, N	Marcel, Swinba	nk													
	Pulsar Search Pipeline: finalize details/code + add SSPS functionality & perform extensive testing Pulsar Search Pipeline: profiling and speed up: most revelant for multi-beam modes	Inijs, Ben,	, Viad						Thijs + P	110									
	Documentation/diagrams/switches of Pulsar Pipeline + tools for LOFAR science users						A2, Vlad		rings + P										
	Documentation "how-to" run the Known Pulsar Pipeline w/in the Framework	Ken				A2	ra, rad	A2											
	Decide how to distribute the Pulsar Pipeline									RO + L	CCG								
	Release Pulsar Pipeline									RO + A									
H5 offline version																			
	TCP-packet convert module for Pelican											Unassigned							
	HDF5 data writer module for Pelican											Unassigned							
	Create standalone BF2H5 tool												Unassigned						
ive																			
	SARA Pulsar Archive (organize, create scripts, maintain web pages, data clean up)	Joeri, Vlad	, Jason, A2	t	+ ongoing w	ork													
	Investigate SARA + Grid processing (LTA) potential Sync Archive schema with BF ICD		Joe	eri, Jason, A2			, Adriaan, J.	I A2											
	Sync Archive schema with BF ICD LTA Archive Pulsar raw data					rianno	, Auriaan, J	, nz		Honer	Adriaan, J,	Δ2							
	LTA Archive Pulsar raw data LTA Archive Pulsar Pipeline Processed data									rianilo,	. Annadii, J,	Hanno, Adriaan, J. A2							
	Remove PGPLOT from PRESTO																		
	Work with the VO on format/protocol issues for LOFAR HDF5 data	M. Wise, A	12																
	J = Jason; JD = Jan David; JR = John Romein; JL = Joeri; A2 = Anastasia; B = Ben; K = Ken; L = Lars; ASH =	Ashish: PV	VG = Pulsar	Working Grou	p; SW = Stenh	an W.; MB =	Michiel B.: I	RO = Radio Obser	vatory										
		color -	occionad too																
		color = 8				Ð													
		color = 8	assigned tas	ik; work in prod ik; long term or ik; work to be d	ngoing														