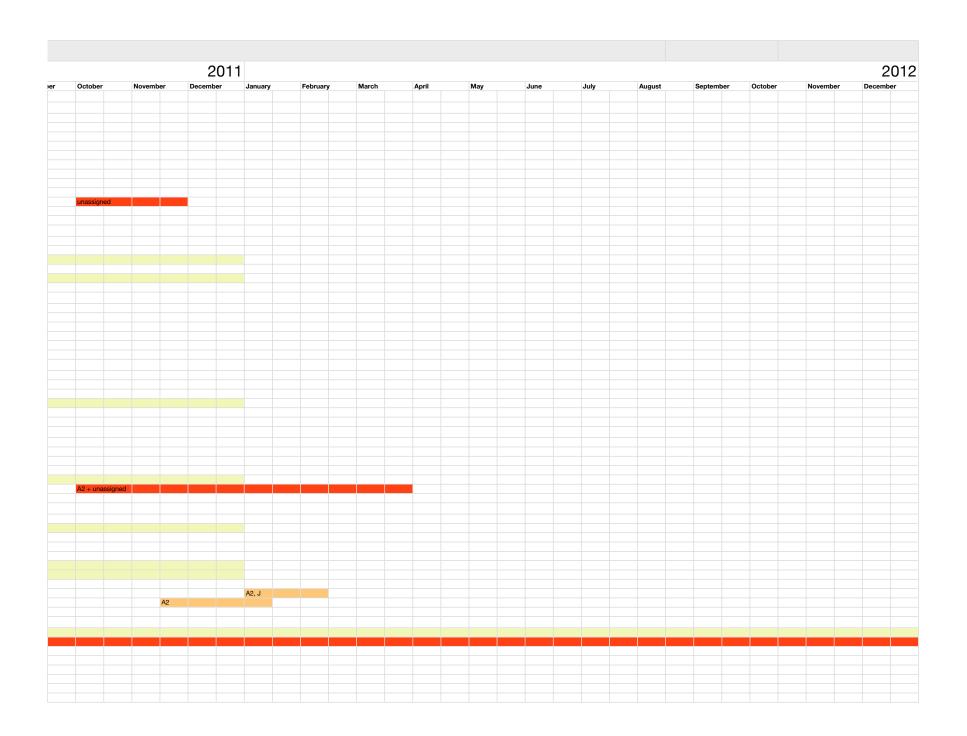
	Tasks:	January	Fel	oruary	М	larch	April		May		June		July	Augu	st	Sent
BG/P									,					, agu	-	Jope
	Calibrate Phase-Frequency correction due to cable lengths	JD. JR. J. MI	3. JI													
	Implement proper Stokes I,Q,U,V on the BG/P (depends on beam model)		, .								J, B, SW	.ID				+
	Implement on-the-fly squashing of channels per subbands for BF (IM+BF obs) [waiting on MoM integration]			JD						JD	0, D, OV	, 00				+
	TiedArray Multi beam observational testing [RA,DEC value per beam in parset (instead of rings)]			JD				JD. J		OD						+
	Bypass 2nd Polyphase Filter in TAB pipeline			OD.				00,0		Chris B.						+
	Implement BG/P 2nd data transpose for IncoherentStokes data (post H5 CS)								JD	Omio B.						
	Implement BG/P 2nd data transpose for Raw Voltage (BF) data (post H5 CS, IS)	JD							OD							+
	Online Coherent De-dispersion on CEP (waiting on MoM)	JR, JD, J, B							JR, JD,	I B						+
	Online Coherent De-dispersion Search Mode on CEP (multi beams all de-dispersed)	0.1,00,0,0							011, 02,	, 5	JR, JD,	I B				
	Separate BF from IM data writing on subclusters and disks (maybe non-issue after Phase II)										011, 05,	, 5		Alwin,	JD	
	Integrate real-time phase correction into TAB module (from Imaging results) [lower priority if core single clock	d														_
	Investigate extending the single clock on the entire core (hardware)	· 1	J. E	3. Andre. R	O											+
			-,-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												_
AS / 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)		72		Ni	ico, JD, J, A2										
	Maintenance of xml-related (Mom import/export) scripts	A2, (Nico) ==	> ongoine	work	IN	.55, 65, 6, AZ										
	Offline Pipeline Framework connection to SAS/MAC (automated kickoff)	Marcel	- origoin	, work	2	2										
	BF-Observing Cookbook maintenance and updates as needed	Ashish, A2, V	lad> c	naoina wa	rk .											
	bi -observing Gookbook maintenance and appeales as needed	ASIIISII, AZ, V	iau> C	nigonig wo	лк											
F2H5 online version																+-
F2H5 Online version																
	Integrate DAL package + Pelican + Lofarsoft	JD														Septe
	BF H5 data writer (abide by ICD) (BG/P CS out data)	JD implemen	t, A2 - co	ntirm restu	ilts											
	BF H5 data writer (abide by ICD) (BG/P IS out data)									JD imple	ement, A2	- confirm		-		
	BF H5 data writer (abide by ICD) (raw data)											JD imple		- confirm restul	ts	_
	Load testing of H5 read/write of BF data													JD		
																_
F ICD																
	Profile BF Observations (& Pipeline) for typical stats on sizes						Jason	A2								
	Benchmark (DAL C++) 4 storage types to choose optimum BF container								A2							
	Perform benchmarking on H5 chunking (storage efficiency and optimization)							Unassig	ned							
	Finalize BF ICD	A2 ==> ongo	ing work													
	Identify source of metadata values (& calculations)									J, JD, A	2					
DAL																
	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.				La	ars										
	Wrap BF DAL classes and methods with Python for PyDAL			Svei	n + (A2,	, Lars)										
	Ongoing PyDAL updates and bugfixes			Svei	n + A2 =	==> ongoing wo	rk									
	Integrate HDF5 into file I/O for Presto/TEMPO/etc															
ulsar Tools																
	Design/implement Pulsar Pipeline(s) for other observing modes (RAW Voltage, OCD)		A2	J, Aris N,	Joris											
	Maintain/fix Daily build of USG (Pulsar) repository on offline cluster	A2 ==> ongo		,												
	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, Thijs							
	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	A2 ==> ongo	ing work								,					
	Maintain/upgrade Pulsar shell script pipeline	A2 ==> ongo														
	Convert Pulsar Pipeline to run with H5 input, using intermediate Presto binary files	2 . 51.90	3						A2			A2		A2 A2		
	Create Pulsar Test datasets and cmake automated test-suites for code sanity check (non-LOFAR)													-		
	Branch Pulsar OTF code changes to original tool repositories (sourceforge, etc)															+
																_
ulsar Pipeline Integration																
alour ripolina integration	Observing Plan / Regular weekly Testing of RF observations		۸۵۱	nish, Michie	el B		+ ongo	na work								
	Observing Plan / Regular weekly Testing of BF observations Pulsar Pipeline Integration of all modes into the Framework **(See attachment with all modes)**	A2 . upor sir	ASI	nati, Michie	CID.		+ Ungoi	ng work								
		AZ + Unassig	neu						A2	noise		\vdash				
	Pulsar Pipeline (sh & py) profiling (if speed is less than real-time; most relevant for multi-beam modes)		^^	TIV				-	AZ + una	ssigned						+
	PWG learning curve of Pipeline Framework		A2	T, J, V	V	and Constant										
	Pipeline Framework issues/problems/hickups action items	Thiir Day 10		A2,	r, Marc	cel, Swinbank										_
	Pulsar Search Pipeline: finalize details/code + add SSPS functionality & perform extensive testing	Thijs, Ben, V	au													_
	Pulsar Search Pipeline: profiling and speed up; most revelant for multi-beam modes										Thijs + F	wG				

	Documentation "how-to" run the Known Pulsar Pipeline w/in the Framework	Ken						A2	A	2						
	Decide how to distribute the Pulsar Pipeline											RO + LO	CCG			
	Release Pulsar Pipeline											RO + A	2			
BF2H5 offline version																
	TCP-packet convert module for Pelican													Unassign	ed	
	HDF5 data writer module for Pelican														Un	
	Create standalone BF2H5 tool															
Archive																
	SARA Pulsar Archive (organize, create scripts, maintain web pages, data clean up)	Joeri, V	lad, Jasor	, A2		+ ongoin	g work									
	Investigate SARA + Grid processing (LTA) potential			Joeri, Ja	son, A2											
	Sync Archive schema with BF ICD							Ha	nno, Ad	riaan, J, A2						
	LTA Archive Pulsar raw data											Hanno,	Adriaan,	J, A2		
	LTA Archive Pulsar Pipeline Processed data													Hanno, A	driaan, J, A2	
Misc.																
	Remove PGPLOT from PRESTO															
	Work with the VO on format/protocol issues for LOFAR HDF5 data	M. Wis	e, A2													
KEY	J = Jason; JD = Jan David; JR = John Romein; JL = Joeri; A2 = Anastasia; B = Ben; K = Ken; L = Lars; ASH = Ashish; PWG = Pulsar Working Group; SW = Stephan W.; MB = Michiel B.; RO = Radio Observatory															
		color =	assigne	d task; wo	rk in proc	ess; work done										
		color =	assigne	d task; lon	g term on	going										
		color =	assigne	d task; wo	rk to be d	done (upcoming work)										
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