WP	CASU WP name /sub task / 03Q1 deliverable	name	weeks	end of quarter report	s/off	on-g
#						
1	**ESO VISTA software interface deliverables and documentation**					
		PSB	6			
2	**management and definition of project responsibilities**					
2.1	report to VISTA, UKIDSS, JAC, ATC, GSC					
	set up work package spreadsheets	STH		constructed XL spreadsheets for WPs and Risks, also GANTT chart		Y
	instigate regular meetings	MJI		fortnightly meetings planned	Y	
2.2	interface control document between CASU and JAC					
	agree provisional ICD with JAC	MJI		done	Y	
2.3	interface control document between CASU and WFAU					
	agree provisional version	MJI		done	Y	
2.4	define data structures and FITS headers					
	help produce draft fits header document	JRL		discussions with ATC & JAC have lead to v0.6 of FITS header document		Y
	create example MEFs with agreed FITS headers and CIRSI data	JRL		files created	Y	
2.6	liaise with UKIDSS & JAC on observing strategy					
	investigate other observing strategies	DWE		discussions with USNO		Y
2.7	liaise with UKIDSS & JAC on survey planning					
	produce overviews (different projections) of UKIDSS surveys	DWE		done	Y	
3	**pipeline infrastructure and pipeline progress monitoring tools**					
3.2	high level scripts to interrogate headers					
	script to interrogate FITS headers of processed INT WFC	STH		written with JMI	Y	
	propogated results to ascii and html files	STH		written with JMI	Y	
3.6	group documentation on pipeline infrastructure					
	programming notes for all modules	JRL		notes finished	Y	
4	**set up and manage raw science archive**					
5	**set up and manage data processing system hardware**					
5.1	investigate hardware alternatives					Y
	preliminary investigation			monitered hardware availability, RAID disk limits		
6	**run standard pipeline**					
7	**development work for summit pipeline**					
7.1	interface test pipelines in ORAC-DR					
	deliver ORAC-DR routines for subset of UFTI recipes to JAC	JRL		delivered	Y	
7.3	documentation for ORAC-DR interface					
	document modules for UFTI recipes	JRL		done	Y	
8	**development and testing of standard 2d processing**					

8.1	further development of standard pipeline					
	discuss details of 2d processing steps	JRL		internal meetings and external with SJW		Y
	further testing with existing WFC and CIRSI data	JRL				Y
	module version control	JRL		module version written to headers	Y	
	provenence information in stacking/combining	JRL		Provenance now written to header of combined/stacked frames	Y	
8.2	liaison with WFCAM development team					
	report from initial detector tests	STH		ongoing discussions on reset anomaly, crosstalk and lineaity		Y
8.6	documentation for 2D processing software					
	write user manuals for INT WFC and CIRSI pipelines	JRL		written	Y	
8.7	comparison between automated and manual data products					
	define requirement	STH		produced requirement to test the quality of the 2D pipeline with manual reduction of same	Y	
9	**development and testing of standard catalogue products**					
10	**setup trial and run further processing pipeline**					
11	**photometric standards and calibration**					
11.1	agree on primary standards					
	research primary standards	STH		collated standard star lists		Y
12	**further development of DQC measures at summit and Cambridge**					
12.4	master calibration frames for detector monitoring					
	bad pixel mask	JRL		developed basic bad pixel mask generating methods	Y	
13	**co-located list driven photometry**					
13.1	test methods for master catalogue generation					
	method based on deep stacking	MJI		devised and produced method based on deep stacking	Y	
13.2	develop basic WCS-based list driven photometer					
	produce basic x-y driven photometer	MJI		used 13.1 to develop x-y based algorithm and tested on time variability data	Y	
14	**stacking and mosaicing**					
14.1	develop benchmark simple stacking/mosaicing framework					
	produce a working framework	MJI		first version completed		
14.2	NN algorithm with simple rejection					
	complete and deliver version based on NN	MJI		first version delivered to WFAU		
15	**continuum subtraction and basic difference imaging**					
16	**interpolation techniques and PSF modeling**					

16.1	investigate alternative interpolation/PSF schemes					
	review alternative strategies	DWE		ongoing		Y
16.4	oversampled PSF generation per detector					
	assess alternative published strategies	DWE		onging		Y