05Q1m2_casu_deliverables.xls

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WP CASU WP name /sub_task / 05Q1m2 deliv	verable	V.I. F.	name	date	end of month report	%sub	% task
#							
1 Management and definition of project res		3.0)	1			27.01
1.1 report to VISTA, UKIDSS, JAC, ATC, GSC							8.3
provide fornightly meeting minutes, monthly review reports and planning, attend VDUC m JAC, attend ESO VDFS FDR			STH, MJI	31-Jan-05	held 2 telecons with JAC (last one included Simon Dye) and 2 CASU minuted meetings. MJI, PSB attended ESO VDFS FDR (STH, JRL via videocon)	10	
			STH,MJI		held 3 telecons with JAC (2 with Simon Dye) and a CASU meeting	50	
prepare for and attend grant review					no progress	0	
			STH,MJI	28-Feb-05	talks prepared and presented by JRL, MJI and STH to PPARC review panel. MR and EG also in attendance.	100	
1.2 interface control document between CAS	U and JAC				completed		100
1.3 interface control document between CAS	U and WFAU				completed		100
liaise with WFAU for design of VISTA ICD			MJI	28-Feb-05	no progress	0	
]	-	
1.4a define WFCAM data structures and FITS I	headers				completed		100
1.4b update proposed VISTA FITS headers as	necessary						0
1.50 define WECAM cheaning protocolo							8.3
1.5a define WFCAM observing protocols monitor and help update MSB guidelines				21 Jan 05	discussed MSD guidelines at last IAC talegon	10	0.3
				discussed MSB guidelines at last JAC telecon no further progress	10		
				20-3411-03		10	
check first pass survey MSBs			STH	31-Jan-05	nothing to report	10	
			STH		NCH has progressed GCS MSBs. STH in discussion with Phil Lucas over	10	
				2010000	GPS MSBs	50	
1.5b define VISTA observing protocols							10
help finish defining science and user require	ments		MJI + PSB	31-Jan-05	PSB, MJI discussed VISTA observing protocols at FDR wrt potential science and user requirements	10	
			MJI + PSB	28-Feb-05	discussed new templates with SMB arising from FDR and new requirement for propagation of tile information through to FITS	50	
1.6a liaise with UKIDSS&JAC on WFCAM obs	strategy, surveys planning						8.3
liaise and monitor progress	strategy, surveys planning		DWE	31-Jan-05	liaising via JAC telecons	10	0.5
			DWE		more discussion during JAC telecons	50	
				2010200			
1.6b liaise with Project Scientist on VISTA obs	erving strategy & survey planning						
			DOD	04 1 05	discussions of charge in a starteney and compared provide the large starteney of CDD		10
liaise and monitor progress			PSB	31-Jan-05	discussions of observing strategy and survey planning took place at FDR	10	
			PSB	28-Feb-05	no further progress	10	
1.7a liaise with VDUC on VDFS products for W	(ECAM						8.3
liaise and monitor progress			STH + M II	31-lan-05	nothing to report	10	0.3
					VDUC meeting held in Edinburgh. Discussion included: status of the	50	
				2010000			
prepare report on results from WFCAM comi	issioning		JRL	31-Jan-05	version 0.5 of report on WFCAM commisioning -I released -II in preparation		
	-					10	
			JRL	∠8-⊢eb-05	WFCAM early commissioning report -I updates. reports -II and -III released and presented to VDUC		
involve Simon Dye with commissioning analy	vsis progress		JRL	31-Jan-05	SD spent 1 day with CASU and took WFCAM data home with him. Also		
	,				involved SD in JAC telecons.	10	

05Q1m2_casu_deliverables.xls

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		JRL	28-Feb-05	SD's involvement continued via JAC telecons and VDUC	50	
						8.3
1./1	liaise with VDUC on VDFS products for VISTA				40	0.3
	liaise and monitor progress			nothing to report	10	
		MJI + STF	1 28-Feb-05	nothing to report	50	
	assess and prioritise work required for extra UK VDFS products		J 21 Jap 05	no progress	0	
	assess and phontise work required for extra ork vor 5 products				0	
		10151 + 511	1 20-Feb-05	no progress	0	
	prepare functional specification for UK review (see VDMT A0501-05)	M.II + STH	1 31-Jan-05	no progress	0	
				no progress	0	
1.8a	a liaise with UKIDSS and JAC on survey progress DB					8.3
	maintain OMP database mirror to be used with survey progress database,	JRL	31-Jan-05	fixed problem with OMP database not updating with some JAC help. JRL		
	including user interface			provided SD with interface to CASU OMP database	10	
		JRL	28-Feb-05	_no further progress	10	
4.01						
1.80	liaise with VDUC and ESO on survey progress database					
1 0	9 system documentation		-			8.3
1.,	update and maintain web pages of system docs	DWE	31-Jan-05	documentation updated as necessary	10	0.0
		DWE		documents and www pages updated as necessary	50	
2	2 ESO VISTA software interface deliverables and documentation	4.0				27.83
2.′	1 VDFS user requirements document					70
	respond to RIXs, update documents as appropriate	PSB		responded to RIXs and submitted to FDR	50	
		PSB	28-Feb-05	now renamed to VDFS Impact Document. FDR rix's drafted	50	
2.2	2 data reduction specification document				50	70
	respond to RIXs, update documents as appropriate	PSB		responded to RIXs and submitted to FDR	50	
		PSB	28-Feb-05	renamed to Data Reduction Library Specification document. Some RIX's drafted	50	
2.3	3 calibration plan document					70
	respond to RIXs, update documents as appropriate	PSB	31-Jan-05	responded to RIXs and submitted to FDR	50	
		PSB	28-Feb-05	some RIX's drafted	50	
2.4	4 Specification of calibration procedures for ESO			subsumed into 2.3		
~ ~ ~	5 ICD ESO/VPO					60
2.3	update FITS header docs and DID/DIC and submit data dictionary files for FDR,	PSB	21 Jan 05	data dictionary files updated and submitted for FDR		00
	update as necessary	FOD	51-5411-05		50	
		PSB	28-Feb-05	examined and tested IRACE output files from RAL. reported FITS header		
				and data-type problems	50	
24	6 Instrument specification and interface documents					
2.0	י הושע מחופות שביווגעווטון מווע ווונפוזמגע עטכעווועוונט					
2.7	7 Delivery software modules for exposure time calculator					(
	submit V1.0 with calculation forms for FDR	STH	31-Jan-05	V1.0 of ETC document submitted with calculation forms	100	
	respond to RIXs, update document as appropriate	STH		responded to RIXs	50	
	debug and update ETC software modules	MJI	31-Jan-05	ETC updated and debugged. Modules will be converted to C	50	
2.8	8 liaise with VISTA IR camera development team		04 1 05		10	8.3
	continue liaising with VISTA IR camera development team	PSB PSB		very useful liaison at FDR see 1.5b and 2.5	10 50	
		FOD	20-FED-05			
20	9 Development of DQC measures					
-	respond to RIXs, update QC measures as required	PSB	31-Jan-05	responded to RIXs and submitted to FDR	50	
	· · · · · · · · · · · · · · · · · · ·	PSB		no progress	50	

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0.40							
2.10	Development of DQC measures						
2	Pipeline infrastructure and pipeline progress monitoring tools	3.5					26.6
	interactive tools for running pipeline						6
0.1	develop tools and document		JRL	31-Jan-05	continuing development in response to results of Phase I commissioning		
			UNC		data	10	
			JRL	28-Feb-05	continuing development in response to results of November commissioning		
						50	
3.2	high level scripts to interrogate headers		STH, JMI		paused		5
			0711 1111				
3.3	automatic progression of results to web pages		STH, JMI		paused		5
			IN ALL OT LL				
3.4	automatic checks to spot failure of pipeline		JMI, STH		paused		
	Ta da fan fining yn hlans dafaa ste						2
3.58	Tools for fixing problem datasets		JRL, JMI	00 5-1 05	paused	10	
			JRL	28-Feb-05	routines for shuffling headers written	10	
2 Eh	Table for fiving VIETA problem deterate						
J.50	Tools for fixing VISTA problem datasets						
2 0	group documentation on pipeline infrastructure						6
	stress test documentation and update as necessary		STH, JRL	31 Jan 05	no progress	0	0
					no progress		
			STH, JRL	20-Feb-05	no progress		
3 7 3	Oversee reprocessing WFCAM data after bug fixes/improvements				awaiting WFCAM science data		
J.74	oversee reprocessing witchin data arter bug intestimprovements						
3 7h	Oversee reprocessing VISTA data after bug fixes/improvements						
5.75	oversee reprocessing viorA data after bag fixes/improvements						
Δ	Set up and manage raw science archive	0.0		1			5
		0.0					
4.1	extend UKIRT archive to cope with WFCAM data						5
	finish creating version 1 of WFCAM raw data archive		JRL	31-Jan-05	no progress	0	-
			JRL		no progress	0	
4.2a	Ingest and verify WFCAM data						1
-	ingest and verify Phase I commissioning data		JRL	31-Jan-05	much indigestion due to problems with FITS headers. MR is recreating		
	33		-		some test MEFs with fixes to the HDU probems	50	
			JRL	28-Feb-05	best commissioning data now ingested. MR has set up data transfer to ESO		
						50	
	ingest and verify Phase II commissioning data		JRL	31-Jan-05	awaiting Phase II commissioning	0	
	ingest and verify Phase II commissioning data		JRL JRL	31-Jan-05	awaiting Phase II commissioning awaiting Phase II commissioning		
				31-Jan-05		0	
4.2b	ingest and verify Phase II commissioning data ingest and verify VISTA data			31-Jan-05		0	
	ingest and verify VISTA data		JRL	31-Jan-05		0	02.2
		2.0	JRL	31-Jan-05		0	83.3
5	ingest and verify VISTA data Set up and manage data processing system hardware	2.0	JRL	31-Jan-05	awaiting Phase II commissioning	0	83.3
5	ingest and verify VISTA data	 	JRL	31-Jan-05		0	
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc)	2.0	JRL	31-Jan-05	awaiting Phase II commissioning	0	<mark>83.3</mark> 10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install		JRL	31-Jan-05 28-Feb-05	awaiting Phase II commissioning	0	83.3
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc)		JRL PSB, JMI	31-Jan-05 28-Feb-05	awaiting Phase II commissioning	0	<mark>83.3</mark> 10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install		JRL	31-Jan-05 28-Feb-05	awaiting Phase II commissioning	0	<mark>83.3</mark> 10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install purchase and install RAID disk storeage and backup LTO tape unit		JRL PSB, JMI PSB	31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05	awaiting Phase II commissioning	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<mark>83.3</mark> 10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install		JRL PSB, JMI PSB PSB, JMI	31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05 31-Jan-05	awaiting Phase II commissioning	0	10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install purchase and install RAID disk storeage and backup LTO tape unit		JRL PSB, JMI PSB PSB, JMI	31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05 31-Jan-05	awaiting Phase II commissioning completed no progress - awaiting new offices no progress - awaiting new offices organised installation of new network infrastructure purchased and installed Gigabit switch with 2G trunk to LAN, ditto APC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<mark>83.3</mark> 10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install purchase and install RAID disk storeage and backup LTO tape unit		JRL PSB, JMI PSB PSB, JMI	31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05 31-Jan-05	awaiting Phase II commissioning	0 0 0 0 0 0 10	<mark>83.3</mark> 10
5.1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install purchase and install RAID disk storeage and backup LTO tape unit move all computer kit back to APM building and re-install		JRL PSB, JMI PSB PSB, JMI	31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05 31-Jan-05	awaiting Phase II commissioning completed no progress - awaiting new offices no progress - awaiting new offices organised installation of new network infrastructure purchased and installed Gigabit switch with 2G trunk to LAN, ditto APC	0 0 0 0 0 0 10	83.3
<u>5</u> .1	ingest and verify VISTA data Set up and manage data processing system hardware Investigate alternatives (benchmarking, reliability etc) buy hardware and install purchase and install RAID disk storeage and backup LTO tape unit		JRL PSB, JMI PSB PSB, JMI PSB, JMI	31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05 31-Jan-05 28-Feb-05	awaiting Phase II commissioning completed no progress - awaiting new offices no progress - awaiting new offices organised installation of new network infrastructure purchased and installed Gigabit switch with 2G trunk to LAN, ditto APC	0 0 0 0 0 0 10	<mark>83.3</mark> 10

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54	Manage day-to-day maintenance and upgrades						5
•.	continue maintenance and upgrade programme		JMI. PSB	31-Jan-05	system being maintained and upgrades up-to-date	10	
			- , -	28-Feb-05		50	
5.5	Hardware additions for further data processing system						
(3 Run standard pipeline	2.5					
6.1	Update WFCAM master calibration frames	_				10	
	ingest and verify WFCAM on-sky test data		JRL,MJI JRL,MJI		comm-I data is being used for master calibration frame tests verification tests progressing well	10 50	
6.2	2 Monitor detector performance WFCAM	-			awaiting WFCAM science data		
6.3	Oversee standard processing WFCAM				awaiting WFCAM science data		
6.4	Astrometric calibration WFCAM				awaiting WFCAM science data		
6.5	Photometric Calibration WFCAM				awaiting WFCAM science data		
6.6	5 Verify Science products and monitor DQC measures WFCAM	_			awaiting WFCAM science data		
6.7	7 Monitor data product transfer to WFAU				awaiting WFCAM science data		
6.8	3 Reprocess WFCAM data				awaiting WFCAM science data		
	7 Development work for summit pipeline	1.0					29
7.1a	a Interface test pipelines in ORAC-DR		JRL		completed		1
7.1k	D Interface test pipelines to VISTA summit DR						
7.2a	a implement WFCAM pipeline at summit						
	demonstrate catalogue and non-catalogue DQCs		JRL JRL	31-Jan-05	investigations continuing using Nov 2004 data investigations continuing using Nov 2004 data	10 10	
		-	JRL	28-Feb-05		10	
	commissioning enhancements	-	JRL	31-Jan-05	nothing to report	0	
			JRL		nothing to report	0	
	develop recipes for dealing with crosstalk, non-linearity, reset anomalies and persistence when test data on these effects become available		JRL	31-Jan-05	making good progress with investigations into detector "features"	10	
			JRL	28-Feb-05	some progess made on detectr anomalies - including dark behavious and reset anomaly	50	
7.3	a documentation for ORAC-DR interface						
	update and deliver documentation as development proceeds		JRL	31-Jan-05	documentation added to primitives as they have been written	10	
7.3t	Documentation for interface to VISTA						
7.4a	a upgrade and maintain summit pipeline WFCAM						
	upgrade and maintain		JRL JRL		upgrades being added as data are analyzed work done to speed up some algorithms	10 50	
7.4k	upgrade and maintain summit pipeline VISTA						
5	3 Development and testing of standard 2d processing	4.0					28
8.14	a further development of standard pipeline for WFCAM	4.0					20
	finish implementing new version of imcore to include full param set		JRL	31-Jan-05	no further progress	0	

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8.1b development of VISTA specific packages	JRL	28-Feb-05	80 column tables now generated missing parameters filled with zeros	10	
8 1h development of VISTA specific packages			co column ablec new generated. Incoming parameters mice with 20100		
8.2a liaison with WFCAM development team					8.
continue discussion on reset anomaly, crosstalk and linearity	JRL		have held a lot of dicussion of various "features" and characterisation using the WFCAM commissioning data	10	
	JRL	28-Feb-05	flatfielding and 2d effects are now better understood. Microstepping tests also performed	50	ļ
assess science array test data for above problems and report	JRL	31-Jan-05		10	
	JRL	28-Feb-05	Commissioning report -I updated and reports -II and -II released to reflect progress. see: http://www.ast.cam.ac.uk/~wfcam/docs/reports/commissioning2/index.html (dark and reset anomaly correction), http://www.ast.cam.ac.uk/~wfcam/docs/reports/commissioning3/index.html (microstep offsets)	50	
8.2b liaison with Project Scientist & VISTA development team					8.
assess any new detector engineering test data	MJI	31-Jan-05	no new data yet, but some progress on this following FDR	10	
	MJI			10	
8.3a partake in planning WFCAM commissioning observations	y JRL 31-Jan-05 have held a lot of dicussion of various "features" and characteris the WFCAM commissioning data. y JRL 28-Feb-05 flatfielding and 2d effects are now better understood. Microstepp also performed rt JRL 31-Jan-05 reset anomiay and linearity much better understood now. Comm recorts in orcearation (see version 0.5 of Phase I) JRL 28-Feb-05 commissioning report - Lydated and reports. I and -II released progress. see: http://www.ast.cam.ac.uk/-wfcam/docs/reports/commissioning2 (dark and reset anomaly correction). http://www.ast.cam.ac.uk/-wfcam/docs/reports/commissioning3 (microstep.offsets) n MJI 31-Jan-05 no new data yet, but some progress on this following FDR no progress n MJI 28-Feb-05 no new data yet, but some progress on this following FDR no progress ns STH 31-Jan-05 planned visits to JAC by JRL and STH in March STH 28-Feb-05 no progress nd JRL 28-Feb-05 nd JRL 28-Feb-05 no progress required. STH 28-Feb-05 JRL 31-Jan-05 JRL 31-Jan-05 JRL 31-Jan-05 JRL, STH 28-Feb-05			8	
continue liaising with ATC/JAC	STH			10	_
	STH	28-Feb-05	will visit JAC from March 15th and will take part in science verification, photometric calibration observations and will help with UKIDSS startup if	100	
9 2h nortaka in planning VISTA comissioning chase vations					
o.sb partake in planning VISTA comissioning observations	STH	31 Jan 05	nothing to report	0	
				0	
8 4a Participate directly in commissioning WECAM					5
continue discussion on reset anomaly, crosstalk and linearity assess science array test data for above problems and report liaison with Project Scientist & VISTA development team assess any new detector engineering test data partake in planning WFCAM commissioning observations continue liaising with ATC/JAC partake in planning VISTA comissioning observations liaise and discuss with camera PS and VISTA PS Participate directly in commissioning WFCAM take part in second stage of WFCAM on-sky commissioning Participate directly in commissioning VISTA Tuning pipeline during commissioning and after WFCAM use commissioning data to tune processing strategy assess the quality and stability of the master calibration data Tuning pipeline commissioning and after VISTA	JRL, STH	31-Jan-05	provisional arrangements made for STH and JRL to take part in WFCAM comm-II	0	
	JRL, STH	28-Feb-05		0	
8.4b Participate directly in commissioning VISTA					
	MJI	31-Jan-05		10	2
	MJI	28-Feb-05		50	
		04 1 05	sucitive and stability assessment becau-	10	
		28-Feb-05	quality and stability assessment begun investigations continue - darks and resets found to be pretty stable when taken in repeatable conditions (I.e. following same numbers of esets). awaiting phase-2 commissioning data to investigate long term trends	10	
8.5b Tuning during pipeline commissioning and after VISTA			[
					5
8.6a documentation for 2D processing software					
				0	1
				0	

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8.7 C	Comparison between automated and manual data products						7
С	ompare FIRES with published results and write report		STH	31-Jan-05	no progress	0	
			STH	28-Feb-05	no progress	0	
a	ssess CASU processed WFCAM commissioning data in conjunction with CSV		STH	31-Jan-05		10	
	7. Comparison between automated and manual data products compare FIRES with published results and write report assess CASU processed WFCAM commissioning data in conjunction with CSV 9. Development and testing of standard catalogue products .1 add in new measures requested finish testing and debugging new catalogue parameter measures 22 refine astrometric calibration model 22 refine astrometric model - VISTA specific .3 generate model simulations of expected data .4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 .5 intercomparison of catalogue products with other packages .6 Completeness and error estimates design and report on completeness model update catalogue products documentation .7 documentation of catalogue software and products update catalogue products documentation 1 .1 Manage and run further processing stages .2 develop ment and assessment of PSF options 1,2 produce prototype for PSF level 2 3 .3 develop 1D/2D PSF-deconvolved Sersic profile fits		STH	28-Feb-05	CASU and CSV reductions of commissioning phase-1 data reported and	50	
						00	
0 0	ovelopment and testing of standard catalogue products	4.0					53.7
		4.0				1	6
			NA 11	04 1 05		0	
T	nish testing and debugging new catalogue parameter measures						
			MJI	28-Feb-05	no progress		
		FIRES with published results and write report STH 31-Jan-06 no progress ASU processed WFCAM commissioning data in conjunction with CSV STH 28-Feb-05 no progress ASU processed WFCAM commissioning data in conjunction with CSV STH 28-Feb-05 reported status of commissioning data to Simon Dye and supplied with other progress ment and testing of standard catalogue products 40 CASU and CSV reductions of commissioning phase-1 data report discussed at VDUC and JAC telecon ment and testing of standard catalogue products 40 STH 31-Jan-05 memt and testing of standard catalogue products MJI 28-Feb-05 no progress ing and debugging new catalogue parameter measures MJI 28-Feb-05 no progress incometric calibration model MJI 28-Feb-05 no progress incometric model - VISTA specific MJI 31-Jan-05 no further progress and using parameter reliability MJI 31-Jan-05 no progress antalogue parameter selimates and check for systematics in new params, finish MJI 28-Feb-05 no progress parlson of catalogue products with other packages JMI Stopped - subsumed into 9.4 stopped - subsumed into 9.4 in					
9.2a r	efine astrometric calibration model						8
			MJI	28-Feb-05	no further progress	50	
9.2b r	efine astrometric model - VISTA specific				-		
	•			1			
9.3 0	enerate model simulations of expected data		STH. JMI	1	finished		10
0.0 9							
040	anno antalagua naramatar raliability						7
			NA 11	04 1 05			
			IVIJI	31-Jan-05	no progress	0	
Ir	n conjunction with 9.1		NA 11	00 5-1 05]		
			MJI	28-Feb-05	no progress		
9.5 ir	ntercomparison of catalogue products with other packages		JMI		stopped - subsumed into 9.4		6
9.6 C	Completeness and error estimates						
			MJI	31-Jan-05	no progress	0	
						0	
			IVIUI	20-1 00-00			
							5
u	pdate catalogue products documentation					0	
			MJI	28-Feb-05	no progress	0	
10 S	Setup trial and run further processing pipeline	3.0					8.33
10 1 N	Anage and run further processing stages				placeholder (start in O3)		
	anago ana ran ranaron processing stages						
0.2 4	lovelenment and accessment of BSE entions 1.2						Ę
			NA 11	04 1 05		0	
p	roduce prototype for PSF level 2						
			MJI	28-Feb-05	no progress		
10.3	levelop 1D/2D PSF-deconvolved Sersic profile fits				paused awaiting real WFCAM data (start in Q2)		
u		1					
				1	placeholder (start in Q2)		
	Develop LSBG/nebulosity detection/parameterisation						
	Develop LSBG/nebulosity detection/parameterisation						
10.4 D							
0.4 🗆	Develop LSBG/nebulosity detection/parameterisation				paused		
10.4 D	ull iterative profile fitting for stellar images				paused		
10.4 D							
10.4 D 10.5 F 10.6 D	Full iterative profile fitting for stellar images Develop and optimize Bayesian image classification				paused placeholder (start in Q2)		
10.4 D 10.5 F 10.6 D	ull iterative profile fitting for stellar images				paused		
10.4 D 10.5 F 10.6 D 10.7 N	Full iterative profile fitting for stellar images Develop and optimize Bayesian image classification Modelling and simulations of further processing steps				paused placeholder (start in Q2)		
10.4 D 10.5 F 10.6 D 10.7 N 11 P	Full iterative profile fitting for stellar images Develop and optimize Bayesian image classification Modelling and simulations of further processing steps Photometric standards and calibration	3.0			paused placeholder (start in Q2)		25.5
10.4 D 10.5 F 10.6 D 10.7 N <u>11 P</u> 11.1 a	Full iterative profile fitting for stellar images Develop and optimize Bayesian image classification Modelling and simulations of further processing steps	3.0			paused placeholder (start in Q2)		<mark>25.5</mark> 9

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		STH	28-Feb-05	discussions with Phil Lucas on narrow band plans and agreement reached on strategy. No narrow band flux standards yet defined. Document not yet updated	50	
11.2 choose secondary standard fields						
refine/shorten list		STH		no progress	0	
		STH	28-Feb-05	secondary standard list revised and sent to JAC for comment. Further refinement requested and completed. Document not vet updated.	50	
11.3a take part in commissioning observations WFCAM						
phase II on-sky characterisation		JRL, STH	31-Jan-05	march	0	
		JRL, STH	28-Feb-05	STH is making detailed plan for photometric calibration observations	10	
11.3b take part in commissioning observations VISTA						
11.4a Reduce data, compute zero points and colour equations WFCAM						
compute ZPs from comissioning data		STH	31-Jan-05	2MASS used to generate first pass zeropoints	50	
		STH		no further progress	50	
measure colour terms relative to 2mass		STH		colour equations computed	50	
		STH	28-Feb-05	no furtehr progress	50	
11.4b Reduce data, compute zero points and colour equations VISTA						
11.5 Update, maintain and extend secondary standards system						
begin building secondary standard fields system		STH		no progress	0	
		STH	28-Feb-05	no progress	0	
11.6 Investigate photometric calibration field systematics WFCAM+VISTA						
investigate photometric calibration systematics - use 2MASS to check global		STH	31-Jan-05	no progress	0	
systematics		STH	28-Feb-05	no progress	0	
11.7 assess extinction monitoring methods and develop measures						
use 2MASS comparison to get first order estimate and assess expected		STH	31-Jan-05	2MASS succesfully used to monitor WFCAM extinction (See Commisioning	50	
accuracy		STH	28-Eeb-05	phase I report) no progress	50	
			2010000			
12 Further development of DQC measures at summit and Cambr	2.0					
12.1 develop extra systematic noise measures						
trial using WFCAM commissioning data		MJI	31-Jan-05	trialling begun using WFCAM commissioning data	10	
		MJI	28-Feb-05	no further progress	10	
12.2 Refine current measures for WFCAM/VISTA data						
trial using WFCAM commissioning data		JRL		trialling begun using WFCAM commissioning data	10	
		JRL	28-Feb-05	awaiting phase-2 commissioning	10	
12.3 implement 2mass for throughput measurement						
implement local access version at summit		JRL	31-Jan-05	no progress	0	
		JRL		no progress	0	
12.4 master calibration frames for detector monitoring						
assess and report using commissioning data		JRL	31-Jan-05	no progress	0	
		JRL		flatfield investigations from phase-1 commissioning completed. Now need more data from Phase-2 to investigate night-to-night and longer term trends. plans for dark monitoring proposed to JAC	10	
					10	
13 Co-located list driven photometry	3.0					88.
13.1 test methods for master catalogue generation				completed		1
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13.2	develop basic WCS-based list driven photometer						9
	extend to full 80 parameter set		MJI	31-Jan-05	no progress	0	
			MJI	28-Feb-05	no progress	0	
40.0	automatic driven WCC shatematic and define necessates act						7
13.3	externally driven WCS photometry and define parameter set extend to full 80 parameter set		NAU	21 100 05		0	
			MJI		no progress	0	
			MJI	28-Feb-05	no progress	U	
14	Stacking and mosaicing	4.0					6
14.1	develop benchmark simple stacking/mosaicing framework		MJI		completed		10
44.0	NN elsewithm with simple selection		NA II				10
14.2	NN algorithm with simple rejection		MJI		completed		10
14.3	More sophisticated rejection dealing with pixellation		MJI		completed		10
14.4	Stacking with optimum wighting and defect rejection						2
	refine and test current seeing weighting method on FIRES data		MJI		no progress	0	
			MJI	28-Feb-05	no progress	0	
14.5	Advanced stacking/image restoration for variable PSF						
14.5	TBD as part of UK design review		MJI	31- Jan-05	no progress	0	
	TDD as part of or design review		MJI		_ no progress	0	
				201.00.00			
	Continuum subtraction and basic difference imaging	4.0					72.
15.1	Simple WCS-based subtraction techniques		MJI		completed		10
							40
15.2	investigate and apply different interpolation methods		MJI		completed		10
15 3	develop adaptive kernel matching option						8
10.0	continue debugging and enhancements to adaptive kernel package		MJI	31-Jan-05	no progress	0	-
			MJI		_ no progress	0	
15.4	transit event detection					- 10	1
	continue with WASP, INT WFC and APT datasets		STH		good progress with lightcurve generation tests for a variety of systems	10 50	
			STH	28-Feb-05	lightcurve generation and systematic removals code refined	50	
16	Interpolation techniques and PSF modeling	4.0					5
16.1	investigate alternative interpolation/PSF schemes				completed		10
16.2	implications for different stacking methods				paused awaiting stage II of WFCAM commissioning		2
16.3	implications for deriving catalogues and parameters						7
10.0	finish development and testing of astrometric refinement code		DWE	31-Jan-05	Phase 2 report of PSF fitting released - see		-
	· · · · · · · · · · · · · · · · · · ·				http://www.ast.cam.ac.uk/vdfs/docs/reports/psf2/		
			DWE	28-Feb-05	awaiting Phase-2 commissioning data		
46.4	average plat DSE generation not detector				finished		10
10.4	oversampled PSF generation per detector						10
16.5	develop oversampled spatially varying PSF model						
10.0	finish development of spatially varying PSF model		DWE		awaiting Phase-2 commissioning data	0	
10.0	innen develepinent el opadanj valjingt el medel					0	
			DWE	28-Feb-05	awaiting Phase-2 commissioning data	0	
10.0	final tuning on WFCAM on-sky data		DWE		awaiting Phase-2 commissioning data awaiting Phase-2 commissioning data	0	