05Q1m3_casu_deliverables.xls

	05Q1m3_cas	su_delivera	IDIES.XIS		
WP CASU WP name /sub_task / 05Q1m3 deliverable	VIF name	date	end of month report	%sub	% V3- V5 tasl
#					re luo
1 Management and definition of project responsibilities	3.0				
1.1 report to VISTA, UKIDSS, JAC, ATC, GSC					
provide fornightly meeting minutes, monthly reports on progress + quarterly review reports and planning, attend VDUC meetings, have regular telecons with 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	28-Feb-05	held 3 telecons with JAC (2 with Simon Dye) and a CASU meeting	50	,
	STH + MJI	31-Mar-05	2 more JAC telecons n March and a group meeting	100	,
prepare for and attend grant review	STH + MJI	31-Jan-05	no progress	0	J
		28-Feb-05		100	
1.2 interface control document between CASU and JAC			completed		1
1.3 interface control document between CASU and WFAU			completed for WFCAM		
liaise with WFAU for design of VISTA + WFCAM ICDs	MJI	28 Eab 05	no progress	0	-
	MJI			-	
	MJI	31-Mar-05	no progress on VISTA, lots of discussion re WFCAM	100	
1.4a define WFCAM data structures and FITS headers			completed bar minor changes		
update			made many small changes to FITS header in light of real data	100	
1.4b update proposed VISTA FITS headers as necessary					
update as a result of FDR			proposed headers updated	100	
1.5a define WFCAM observing protocols					
monitor and help update MSB guidelines	MJI + STH	31-Jan-05	discussed MSB guidelines at last JAC telecon	10	/
	MJI + STH	28-Jan-05	no further progress	10	,
			MSB guidelines completed pending revision following SV	100	
check first pass survey MSBs	STH	31-Jan-05	nothing to report	10	,
	STH	28-Feb-05	NCH has progressed GCS MSBs. STH in discussion with Phil Lucas over GPS MSBs	50	,
	STH	31-Mar-05	All SV MSBs written and checked. Now awaiting testing during SV	100	
1.5b define VISTA observing protocols					
help finish defining science and user requirements	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)
	MJI + PSB	31-Mar-05	requirements defined. Next plan to redefine observing templates	100	
1.6a liaise with UKIDSS&JAC on WFCAM obs strategy, surveys planning					
liaise and monitor progress	DWE	31-Jan-05	liaising via JAC telecons	10	
	DWE		more discussion during JAC telecons	50	1
	STH	31-Mar-05		100	
1.6b liaise with Project Scientist on VISTA observing strategy & survey planning				.00	<u> </u>
	PSB	21 107 05	discussions of observing strategy and survey planning took place at FDR		
liaise and monitor progress	FOB	3 I-Jan-05	uscussions of observing strategy and survey planning took place at FDR	10	

	05Q1m3_cas			
	PSB	28-Feb-05	no further progress	10
	PSB	31-Mar-05	Advised Martin Folger on FDR board disposition format. Discussed	100
			technicalities of pointing coodinates wrt SDT	100
.7a liaise with VDUC on VDFS products for WFCAM				
liaise and monitor progress	STH + M.II	31-Jan-05	nothing to report	10
			VDUC meeting held in Edinburgh. Discussion included: status of the	10
		2010000	WFCAM pipelines, science archive and commissioning data analysis	50
	STH + MJI	31-Mar-05	discussed data releases for WFCAM with TN	100
prepare report on results from WFCAM comissioning	JRL	31-Jan-05	version 0.5 of report on WFCAM commisioning -I released -II in preparation	
prepare report on results non which which controllering	UIL			10
	JRL	28-Feb-05	WFCAM early commissioning report -I updates. reports -II and -III released	
			and presented to VDUC	
	JRL	31-Mar-05	report on galaxy number counts and colours prepared and released	100
involve Simon Dye with commissioning analysis progress	JRL	31-Jan-05	SD spent 1 day with CASU and took WFCAM data home with him. Also	10
	JRL	28-Feb-05	involved SD in JAC telecons. SD's involvement continued via JAC telecons and VDUC	50
			plans for analysis of SV data discussed with Simon Dye and UKIDSS	100
	JIL	51-101-05		
.7b liaise with VDUC on VDFS products for VISTA				
liaise and monitor progress	MJI + STH	31-Jan-05	nothing to report	10
			attended VDUC	50
			nothing to report	100
			······································	
assess and prioritise work required for extra UK VDFS products	MJI + STH	31-Jan-05	no progress	0
	MII + STH	28-Feb-05	no progress	0
			no progress	0
				Ū
prepare functional specification for UK review (see VDMT A0501-05)	MJI + STH	31-Jan-05	no progress	0
			no progress	0
	MII + STH	31-Mar-05	no progress	0
			···· • • • • • • • • • • • • • • • • •	
.8a liaise with UKIDSS and JAC on survey progress DB				
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
	JRL	31-Mar-05	maintained	100
.8b liaise with VDUC and ESO on survey progress database				
1.9 system documentation	D14/5	04 1 07		10
update and maintain web pages of system docs			documentation updated as necessary	10 50
			documents and www pages updated as necessary	100
	DWE	51-IVIAF-05	documents and www pages updated as necessary	100
		1		[
2 ESO VISTA software interface deliverables, and documentation	40			
2 ESO VISTA software interface deliverables and documentation	4.0			
2.1 VDFS user requirements document		31-Jan-05	responded to RIXs and submitted to FDR	
	PSB		responded to RIXs and submitted to FDR now renamed to VDFS Impact Document, FDR rix's drafted	50
2.1 VDFS user requirements document	PSB PSB	28-Feb-05	now renamed to VDFS Impact Document. FDR rix's drafted	50 50
2.1 VDFS user requirements document	PSB PSB	28-Feb-05		50
2.1 VDFS user requirements document respond to RIXs, update documents as appropriate	PSB PSB	28-Feb-05	now renamed to VDFS Impact Document. FDR rix's drafted	50 50
2.1 VDFS user requirements document respond to RIXs, update documents as appropriate	PSB PSB PSB	28-Feb-05 31-Mar-05	now renamed to VDFS Impact Document. FDR rix's drafted	50 50 50
2.1 VDFS user requirements document respond to RIXs, update documents as appropriate 2.2 data reduction specification document	PSB PSB PSB PSB	28-Feb-05 31-Mar-05 31-Jan-05	now renamed to VDFS Impact Document. FDR rix's drafted updated as far as possible, awaiting official board disposition	50 50 50

05Q1m3 casu deliverables.xls

	05	Q1m3_cas	u_delivera	DIES.XIS		
2.3 calibration plan document						
respond to RIXs, update documents as appropriate		PSB		responded to RIXs and submitted to FDR	50	
		PSB		some RIX's drafted	50	
		PSB	31-Mar-05	drafted response to all RIXs, awaiting official board disposition	50	
2.4 Specification of calibration procedures for ESO				subsumed into 2.3		
2.5 ICD ESO/VPO						
update FITS header docs and DID/DIC and submit data dictionary files for FDR,		PSB	31-Jan-05	data dictionary files updated and submitted for FDR		
update as necessarv					50	
		PSB	28-Feb-05	examined and tested IRACE output files from RAL. reported FITS header	- 0	
				and data-type problems	50	
		PSB	31-Mar-05	update data dictionary as a result of FDR doc changes, awaiting feedback	50	
					50	
2.6 Instrument specification and interface documents						
Setup ESO software on Linux PC for integration tests in CPL and QFITS		PSB	31-Mar-05	all set up and functioning	100	
environment					100	
2.7 Delivery software modules for exposure time calculator	L	0711			400	
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	
		STH	31-Mar-05	minor document updates drafted	50	
debug and update ETC software modules		MJI	31-Jan-05	ETC updated and debugged. Modules will be converted to C	50	
		MJI	31-Mar-05	debugged and updated	100	
2.8 liaise with VISTA IR camera development team						
continue liaising with VISTA IR camera development team		PSB	31-Jan-05	very useful liaison at FDR	10	
		PSB		see 1.5b and 2.5	50	
		PSB		Fedback VIRCAM/TCS ICD doc. Fedback VIRCAM simulator tests	100	
		1.05				
2.9 Development of DQC measures						
respond to RIXs, update QC measures as required	1	PSB	31- Jan-05	responded to RIXs and submitted to FDR	50	
Tespond to MAS, update QC measures as required		PSB		no progress	50	
		PSB		rationalised QC measure descriptions and updated FDR docs	50	
		FOD	51-10181-05		50	
2.10 Development of DQC measures						
		-				
3 Pipeline infrastructure and pipeline progress monitoring tools	3.5)	1			
3.1 interactive tools for running pipeline						
develop tools and document		JRL	31-Jan-05	continuing development in response to results of Phase I commissioning	10	
				data	10	
		JRL	28-Feb-05	continuing development in response to results of November commissioning	50	
		וסו	21 Mar 05	development continues in the light of running ninglines	50	
	-	JRL	51-ivial-05	development continues in the light of running pipelines	50	
3.2 high level scripts to interrogate headers		STH, JMI		paused		
3.3 automatic progression of results to web pages		STH, JMI		paused		
3.4 automatic checks to spot failure of pipeline		JMI, STH		paused		
.5a Tools for fixing problem datasets		JRL, JMI				
develop tools to handle problems in comm-I data		JRL		routines for shuffling headers written	10	
		MJI		assorted scripts written to get around foibles of comm-I data	50	
				· · ·	Γ	
.5b Tools for fixing VISTA problem datasets				V4		
	1	1	1			

	05	Q1m3_cas	u_delivera	bles.xls		
3.6 group documentation on pipeline infrastructure		0711 151			0	
stress test documentation and update as necessary				no progress	0	
		STH, JRL	28-Feb-05	no progress	0	
		SYJ, JRL	31-Mar-05	MR is testing documentation and generating feedback	10	
3.7a Oversee reprocessing WFCAM data after bug fixes/improvements				awaiting WFCAM science data		
3.7b Oversee reprocessing VISTA data after bug fixes/improvements				placeholder		
4 Set up and manage raw science archive	0.0					
4.1 extend UKIRT archive to cope with WFCAM data		101	04.1.05			
finish creating version 1 of WFCAM raw data archive		JRL	31-Jan-05	no progress	0	
		JRL	28-Feb-05	no progress	0	
		JRL	31-Mar-05	no progress	0	
I.2a Ingest and verify WFCAM data						
ingest and verify Phase I commissioning data		JRL		much indigestion due to problems with FITS headers. MR is recreating 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	
		JRL	31-Mar-05		100	
				been indested and verified.	100	
ingest and verify Dhase II commissioning data		JRL	21 lon 05	awaiting Phase II commissioning	0	
ingest and verify Phase II commissioning data		JRL		awaiting Phase II commissioning	0	
			20-Feb-05	awaiting Phase II commissioning (imminent)	0	
		JRL	31-Mar-05	awaiting Phase II commissioning (imminent)	0	
.2b ingest and verify VISTA data				placeholder		
5 Set up and manage data processing system hardware	2.0	1	1			
5.1 Investigate alternatives (benchmarking, reliability etc)				completed		
······································						
5.2 buy hardware and install						
purchase and install RAID disk storeage and backup LTO tape unit		PSB, JMI	31-Jan-05	no progress - awaiting new offices	0	
		PSB	28-Eeh-05	no progress - awaiting new offices	0	
		PSB	31-Mar-05	disk storeage and backup LTO unit purchased and installed	100	
		F 5D	51-Wai-05			
move all computer kit back to APM building and re-install		PSB, JMI	31 Jan 05	organised installation of new network infrastructure	10	
		PSB, JMI		purchased and installed Gigabit switch with 2G trunk to LAN, ditto APC	10	
		FSD, JIVII	20-Feb-05	intelligent switched mains supplies foor pipeline racks.	10	
		PSB	31-Mar-05	all computer kit moved back into APM building and reinstalled.	100	
		1.05				
5.3 integrating and testing			1			
integrate and test entire VDFS system		PSB. JMI	31-Jan-05	no progress - awaiting move back to APM	0	
				no progress - awaiting move back to APM	0	
		PSB		entires system integrated and tested	100	
		F 5D	51-Wai-05			
5.4 Manage day-to-day maintenance and upgrades			1			
		JMI, PSB	31 100 05	system being maintained and upgrades up-to-date	10	
continue maintenance and upgrade programme					50	
		JMI, PSB	28-Feb-05		100	
		PSB	3 1-IVIAF-05	continues apace	100	
5.5 Hardware additions for further data processing system				placeholder		
		1	1			
6 Run standard pipeline	2.5					
6 Run standard pipeline	2.5					

		05Q1m3_ca	su_delivera	ibles.xls		
	ingest and verify WFCAM on-sky test data	JRL,MJI		comm-I data is being used for master calibration frame tests	10	
		JRL,MJI		verification tests progressing well	50	
		JRL,MJI	31-Mar-05	in progress, about 1/2 of WFCAM phase I comm science data has been	50	
				pipeline processed	50	
6.2	Monitor detector performance WFCAM					
	begin monitoring with commissioning data	MJI	31-Mar-05	commissioning I detector performance being monitored	100	
	Oversee standard processing WFCAM					
	oversee processing of commissioing data	MJI	31-Mar-05	being overseen	100	
-	Astrometric calibration WFCAM calibrate commissioning data	MJI	21 Mar 05	manitaring bagun with commissioning data within anon	100	
	calibrate commissioning data	IVIJI	31-10121-05	monitoring begun with commissioning data, within spec	100	
6.5	Photometric Calibration WFCAM					
	calibrate commissioning data	MJI	31-Mar-05	preliminary calibration using 2MASS is in place	50	
				p		
	Verify Science products and monitor DQC measures WFCAM					
	assess commissioning data	MJI	31-Mar-05	DQC measures being used to assess comm I on-sky data	50	-
	Monitor data product transfer to WFAU		04.11		100	
	begin transfer with commissioning data	MJI	31-Mar-05	being monitored	100	
6 0	Reprocess WFCAM data			awaiting WFCAM science data		
0.0						
7	Development work for summit pipeline	1.0				
	Interface test pipelines in ORAC-DR	JRL		completed		1
7.1b	Interface test pipelines to VISTA summit DR			placeholder		
-						
	implement WFCAM pipeline at summit		04 1 05	investigation and invitation New 2024 data	10	7
	demonstrate catalogue and non-catalogue DQCs	JRL		investigations continuing using Nov 2004 data	10 10	
		JRL JRL		investigations continuing using Nov 2004 data no progress	10	
		JILL	51-101-05		10	
	commissioning enhancements	JRL	31-Jan-05	nothing to report	0	
		JRL		nothing to report	0	
		JRL	31-Mar-05	no progress	0	
	develop recipes for dealing with crosstalk, non-linearity, reset anomalies and	JRL	31-Jan-05	making good progress with investigations into detector "features"	10	
	persistence when test data on these effects become available	JRL	28-Eeb-05	some progess made on detector anomalies - including dark behavious and	10	
		JILL	20-1 00-00	reset anomaly	50	
		JRL	31-Mar-05	dark and reset anomalies characterised in phase I and II data. non-linearity		
				measured in phase I data. persistance and cross-talk on hold until phase II	50	
				data is available	50	
7.3a	documentation for ORAC-DR interface		1		10	
	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	
	documentation for ORAC-DR interface update and deliver documentation as development proceeds	JRL	31-Jan-05 31-Mar-05	documentation added to primitives as they have been written ongoing	10_ 50	
	update and deliver documentation as development proceeds			ongoing		
7.3b	update and deliver documentation as development proceeds			ongoing		
7.3b 7.4a	update and deliver documentation as development proceeds Documentation for interface to VISTA		31-Mar-05	ongoing		
7.3b 7.4a	update and deliver documentation as development proceeds Documentation for interface to VISTA upgrade and maintain summit pipeline WFCAM	JRL	31-Mar-05 31-Jan-05 28-Feb-05	ongoing placeholder upgrades being added as data are analyzed work done to speed up some algorithms	50	
7.3b 7.4a	update and deliver documentation as development proceeds Documentation for interface to VISTA upgrade and maintain summit pipeline WFCAM	JRL JRL JRL	31-Mar-05 31-Jan-05 28-Feb-05	ongoing placeholder upgrades being added as data are analyzed	50 	

05Q1m3_casu_deliverables.xls

	05	Q1m3_cas	u_delivera	bles.xis		
7.4b upgrade and maintain summit pipeline VISTA				placeholder		
8 Development and testing of standard 2d processing 8.1a further development of standard pipeline for WFCAM	4.0					
finish implementing new version of imcore to include full param set		JRL	31 Jan 05	no further progress	0	
		JRL	28-Feb-05	80 column tables now generated. missing parameters filled with zeros	10	
		JRL		no further progress	10	
		onte				
8.1b development of VISTA specific packages						
8.2a liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity			21 100 05	have held a let of discussion of various "features" and sharestariestics using		
continue discussion on reset anomaly, crosstaik and intearity		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	
		JRL	31-Mar-05	much discussion and progress during JRLs visit to JAC for comm II	50	
assess science array test data for above problems and report		JRL	31-Jan-05	reset anomlay and linearity much better understood now. Commisioning		
				reports in preparation (see version 0.5 of Phase I)	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	
		JRL	31-Mar-05	much assesssment of science data during pipeline processing	50	
8.2b liaison with Project Scientist & VISTA development team		NA 11	21 100 05	no now data wat, but some magness on this fellowing CDD	10	
assess any new detector engineering test data		MJI MJI		no new data yet, but some progress on this following FDR no progress	10	
		MJI		no progress	10	
		IVIJI	3 T-IVIAI-05		10	
8.3a partake in planning WFCAM commissioning observations						
continue liaising with ATC/JAC		STH	31-Jan-05	planned visits to JAC by JRL and STH in March	10	
		STH		JRL has just set off for Hawaii to take part in commissioning phase 2. STH		
				will visit JAC from March 15th and will take part in science verification,		
				photometric calibration observations and will help with UKIDSS startup if		
				required.	50	
		STH	31-Mar-05	JRL and STH visited JAC for start of comm II. STH has returned follwing		
				delay due to focal plane tilt and is observing and reducing calibration and SV data	100	
8.3b partake in planning VISTA comissioning observations liaise and discuss with camera PS and VISTA PS		STH	31- Jan 05	nothing to report	0	
		STH	28-Feh-05	nothing to report	0	
		STH		nothing to report	0	
8.4a Participate directly in commissioning WFCAM						
take part in second stage of WFCAM on-sky commissioning		-		provisional arrangements made for STH and JRL to take part in WFCAM comm-II	0	
				plans firmed up	0	
		JRL, STH	31-Mar-05	JRL and STH visits to JAC to participate	50	
8.4b Participate directly in commissioning VISTA				placeholder		
8.5a Tuning pipeline during commissioning and after WFCAM						
use commissioning data to tune processing strategy		MJI	31-Jan-05	WFCAM commissioning data is yielding interesting insights for tuning		
				processina	10	
		MJI	28 Eeb 05	experiments continuing with alternate processing strategies	50	
		MJI		using pipeline processing of comm I data to fo this, e.g. stability of darks		-

	05Q1m3_cas	u_delivera	DIES.XIS		
				10	
assess the quality and stability of the master calibration data	JRL		quality and stability assessment begun	10	
	JRL	28-Feb-05	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	
		04.14 05		10	
	JRL	31-Mar-05	began investigations of comm II data whilst at JAC. EGS working on the	50	
			pipeline products for QA	50	
			· · · ·		
8.5b Tuning during pipeline commissioning and after VISTA			placeholder		
8.6a documentation for 2D processing software					
updates docs as necessary	JRL	31-Jan-05	no progress	0	
	JRL	28-Feb-05	no progress	0	
	JRL		no progress	0	
	0.12				
8.6b documentation of additions to 2D processing software			placeholder		
0.00 documentation of additions to 20 processing software					
9.7 Comparison between outemated and manual data and used	<u> </u>				
8.7 Comparison between automated and manual data products	0711	04 1. 07			
compare FIRES with published results and write report	STH	31-Jan-05	no progress	0	
	STH		no progress	0	
	STH	31-Mar-05	no progress	0	
assess CASU processed WFCAM commissioning data in conjunction with CSV	STH	31-Jan-05	reported status of commissioning data to Simon Dye and supplied him with		
			WFCAM fits files	10	
	STH	28-Feb-05	CASU and CSV reductions of commissioning phase-1 data reported and		
			discussed at VDUC and JAC telecon	50	
	STH	31-Mar-05	awaiting comm II on-sky data and SV	50	
9 Development and testing of standard catalogue products	4.0				5
9.1 add in new measures requested					6
finish testing and debugging new catalogue parameter measures	MJI	31- Jan-05	no progress	0	-
	MJI		no progress	0	
	MJI			0	
	IVIJI	31-10121-05	no progress	0	
9.2a refine astrometric calibration model	MJI		refined using comm-I data - see report	50	8
use comm data	MJI		no further progress	50	
	MJI	31-Mar-05	checking astrometry with pipeline processed comm I data	50	
		0111101 00			
0.2h refine estremetric model VISTA escation					
3.20 reline astrometric model - VISTA Specific			placeholder		
			placeholder		
	STH JMI](1(
9.2b refine astrometric model - VISTA specific 9.3 generate model simulations of expected data	STH, JMI		placeholder		1(
9.3 generate model simulations of expected data	STH, JMI](
9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability			finished		
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish](
9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability	MJI	31-Jan-05	finished no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish 	MJI	31-Jan-05 28-Feb-05	finished no progress no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish 	MJI	31-Jan-05 28-Feb-05	finished no progress	-	
9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1	MJI MJI MJI MJI	31-Jan-05 28-Feb-05	finished no progress no progress no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish 	MJI	31-Jan-05 28-Feb-05	finished no progress no progress	0	
9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1	MJI MJI MJI MJI	31-Jan-05 28-Feb-05	finished no progress no progress no progress	0	
9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages	MJI MJI MJI MJI	31-Jan-05 28-Feb-05	finished no progress no progress no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages 9.6 Completeness 	MJI MJI MJI JMI	31-Jan-05 28-Feb-05 31-Mar-05	finished no progress no progress no progress stopped - subsumed into 9.4	0	
9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages	MJI MJI MJI JMI MJI	31-Jan-05 28-Feb-05 31-Mar-05 31-Jan-05	finished no progress no progress stopped - subsumed into 9.4 no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages 9.6 Completeness 	MJI MJI JMI JMI MJI MJI MJI	31-Jan-05 28-Feb-05 31-Mar-05 31-Jan-05 28-Feb-05	finished finished no progress no progress stopped - subsumed into 9.4 no progress no progress no progress no progress no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages 9.6 Completeness 	MJI MJI MJI JMI MJI	31-Jan-05 28-Feb-05 31-Mar-05 31-Jan-05 28-Feb-05	finished no progress no progress stopped - subsumed into 9.4 no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages 9.6 Completeness design and report on completeness model 	MJI MJI JMI JMI MJI MJI MJI	31-Jan-05 28-Feb-05 31-Mar-05 31-Jan-05 28-Feb-05	finished finished no progress no progress stopped - subsumed into 9.4 no progress no progress no progress no progress no progress	0	
 9.3 generate model simulations of expected data 9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages 9.6 Completeness 	MJI MJI JMI JMI MJI MJI MJI	31-Jan-05 28-Feb-05 31-Mar-05 31-Jan-05 28-Feb-05	finished finished no progress no progress stopped - subsumed into 9.4 no progress no progress no progress no progress no progress	0	
9.4 assess catalogue parameter reliability refine parameter error estimates and check for systematics in new params, finish in conjunction with 9.1 9.5 intercomparison of catalogue products with other packages 9.6 Completeness design and report on completeness model	MJI MJI JMI JMI MJI MJI MJI	31-Jan-05 28-Feb-05 31-Mar-05 31-Jan-05 28-Feb-05 31-Mar-05	finished finished no progress no progress stopped - subsumed into 9.4 no progress no progress no progress no progress no progress	0	<u> 10</u> 7

05Q1m3_casu_deliverables.xls

	1	05		u_delivera			
			MJI	31-Mar-05	no progress	0	
10	Setup trial and run further processing pipeline	3.0)				
10.1	Manage and run further processing stages				placeholder (start in Q3)		
10.2	development and assessment of PSF options 1,2						6
	produce prototype for PSF level 2		MJI		no progress	0	
			MJI		_no progress	0	
			MJI	31-Mar-05	prototype written, now awaiting "good" WFCAM data	100	
						[
10.3	develop 1D/2D PSF-deconvolved Sersic profile fits				paused awaiting real WFCAM data (start in Q2)		
40.4	Develop I CDC/pobulacity dataction/poremetariaction				placebolder (start in OO)		
10.4	Develop LSBG/nebulosity detection/parameterisation				placeholder (start in Q2)		
10.5	Full iterative profile fitting for stellar images				paused		
	<u> </u>						
10.6	Develop and optimize Bayesian image classification				placeholder (start in Q2)		
40.7							
10.7	Modelling and simulations of further processing steps				placeholder (start in Q2)		
11	Photometric standards and calibration	3.0)				2
	agree on primary standards	0.0	,				9
	complete narrow band filter calibration plan and update document		STH	31-Jan-05	no progress	0	
			STH		discussions with Phil Lucas on narrow band plans and agreement reached		
			0111	2010500	on strategy. No narrow band flux standards yet defined. Document not yet		
					updated	50	
			STH	31-Mar-05	narrow band filter cal plan agreed and document updated. primary		
					standards now defined	100	
44.0	ahaana aaaandaw, atandayd fialda						8
11.2	choose secondary standard fields refine/shorten list		STH	21 100 05	no progress	0	0
						0	
			STH	28-Feb-05	secondary standard list revised and sent to JAC for comment. Further	50	
			STH	31-Mar-05	refinement requested and completed. Document not vet updated. seoncdary standard list now agreed and included in doc	100	
) í	
11.3a	take part in commissioning observations WFCAM						1
	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	
			JRL,STH		sth participating in comm II	50	
] [
11.3b	take part in commissioning observations VISTA				placeholder		
11.4a	Reduce data, compute zero points and colour equations WFCAM		OTU	04 1 05		50	1
	compute ZPs from comissioning data		STH		2MASS used to generate first pass zeropoints		
			STH		no further progress	50	
			STH	31-Mar-05	no further progress	50	
			STH	31 Jan 05	colour equations computed	50	
	measure colour terms relative to 2mass				no further progress	50	
	measure colour terms relative to 2mass		стц				
	measure colour terms relative to 2mass		STH STH			50	
	measure colour terms relative to 2mass		STH STH		colour equations for z-band added	50	
11.4b	measure colour terms relative to 2mass Reduce data, compute zero points and colour equations VISTA					50	
	Reduce data, compute zero points and colour equations VISTA				colour equations for z-band added	50	
	Reduce data, compute zero points and colour equations VISTA Update, maintain and extend secondary standards system		STH	31-Mar-05	colour equations for z-band added placeholder		
	Reduce data, compute zero points and colour equations VISTA		STH STH	31-Mar-05	colour equations for z-band added placeholder no progress	0	
	Reduce data, compute zero points and colour equations VISTA Update, maintain and extend secondary standards system		STH	31-Mar-05 31-Jan-05 28-Feb-05	colour equations for z-band added placeholder		

05Q1m3_casu_deliverables.xls

	05Q1m3_c	asu_delivera	bles.xls		
11.6 Investigate photometric calibration field systematics WFCAM+VISTA					
investigate photometric calibration systematics - use 2MASS to check global systematics	STH		no progress	0	
	STH	28-Feb-05	no progress	0	
	STH	31-Mar-05	no progress	0	
1.7 assess extinction monitoring methods and develop measures					5
use 2MASS comparison to get first order estimate and assess expected	STH	31-Jan-05	2MASS succesfully used to monitor WFCAM extinction (See Commisioning		
accuracy			phase I report)	50	
	STH	28-Feb-05	no progress	50	
	STH	31-Mar-05	tests on comm I data continue	50	
12 Further development of DQC measures at summit and Cambr	2.0				4
2.1 develop extra systematic noise measures					5
trial using WFCAM commissioning data	MJI	31-Jan-05	trialling begun using WFCAM commissioning data	10	
	MJI		no further progress	10	
	MJI		too much systematic noise in comm I data to be useful (e.g. curtaining on		
	-		everv frame). svstematic noise remover written instead	50	
12.2 Refine current measures for WFCAM/VISTA data					2
trial using WFCAM commissioning data	JRL		trialling begun using WFCAM commissioning data	10	
	JRL	28-Feb-05	paused - awaiting phase-2 commissioning	10	
2.3 implement 2mass for throughput measurement				-	7
implement local access version at summit	JRL		no progress	0	
	JRL	28-Feb-05	no progress	0	
	JRL	31-Mar-05	implemented	100	
12.4 master calibration frames for detector monitoring				-	3
assess and report using commissioning data	JRL		no progress	0	
	JRL	28-Feb-05	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	
	JRL	31-Mar-05	flatfields appear stable over week periods as do darks, other systematics notwithstanding	50	
13 Co-located list driven photometry	3.0				88
13.1 test methods for master catalogue generation			completed		10
40.0 develop basis WOO based list driver abots mater					9
13.2 develop basic WCS-based list driven photometer	N.4.11	04 1 05		0	9
extend to full 80 parameter set	MJI		no progress	0	
	MJI		_no progress	0	
	MJI	31-Mar-05	no progress	U	
13.3 externally driven WCS photometry and define parameter set					7
extend to full 80 parameter set	MJI	21 Jan 05	no progress	0	
	MJI		no progress	0	
	MJI		no progress	0	
		31-Iviai-03			
					6
14. Stacking and mosaicing					
14 Stacking and mosaicing	4.0		completed		
14 Stacking and mosaicing 4.1 develop benchmark simple stacking/mosaicing framework			completed		
4.1 develop benchmark simple stacking/mosaicing framework	4.0 MJI				10
4.1 develop benchmark simple stacking/mosaicing framework	4.0		completed completed		10
I4.1 develop benchmark simple stacking/mosaicing framework I4.2 NN algorithm with simple rejection	4.0 MJI MJI		completed		10 10
I4.1 develop benchmark simple stacking/mosaicing framework I4.2 NN algorithm with simple rejection	4.0 MJI				10 10
14.1 develop benchmark simple stacking/mosaicing framework 14.2 NN algorithm with simple rejection 14.3 More sophisticated rejection dealing with pixellation	4.0 MJI MJI		completed		10 10 10
14 Stacking and mosaicing 14.1 develop benchmark simple stacking/mosaicing framework 14.2 NN algorithm with simple rejection 14.3 More sophisticated rejection dealing with pixellation 14.4 Stacking with optimum wighting and defect rejection refine and test current seeing weighting method on FIRES data	4.0 MJI MJI	31-Jan-05	completed		100 100 100 28

05Q1m3_casu_deliverables.xls

	05Q1	m3_casu_dell	verables.xis		
	M	JI 31-Ma	-05 no progress	0	
14.5 Advanced stacking/image restoration for variable PSF					
TBD as part of UK design review	M	II 21 Ion	-05 no progress	0	
	M.		-05 no progress	0	
	M			0	
	IVI	JI 31-IVIA	-05 no progress	0	
15 Continuum subtraction and basic difference imaging	4.0				75
15.1 Simple WCS-based subtraction techniques	M	JI	completed		100
15.2 investigate and apply different interpolation methods	M	JI	completed		10
15.3 develop adaptive kernel matching option					8
continue debugging and enhancements to adaptive kernel package	M	II 21 lor	-05 no progress	0	
	M		-05 no progress	0	
	M		-05 lots of use and minor bugfixes. works well	100	
	IVI			100	
15.4 transit event detection					2
continue with WASP, INT WFC and APT datasets	ST	TH 31-Jar	-05 good progress with lightcurve generation tests for a variety of systems	10	
	ST		-05 lightcurve generation and systematic removals code refined	50	
	ST	ГН 31-Ма	-05 transit event detection methodology proven to work well	50	
16 Interpolation techniques and PSF modeling	4.0				58
16.1 investigate alternative interpolation/PSF schemes			completed		100
16.2 implications for different stacking methods			paused awaiting stage II of WFCAM commissioning		20
16.3 implications for deriving catalogues and parameters					70
finish development and testing of astrometric refinement code	D\	WE 31-Jar	-05 Phase 2 report of PSF fitting released - see		
			http://www.ast.cam.ac.uk/vdfs/docs/reports/psf2/		
	D۱	WE 28-Feb	-05 paused - awaiting Phase-2 commissioning data	0	
16.4 oversampled PSF generation per detector			finished		100
16.5 develop oversampled spatially varying PSF model					(
finish development of spatially varying PSF model			-05 awaiting Phase-2 commissioning data	0	
	D١	WE 28-Feb	-05 awaiting Phase-2 commissioning data	0	
final tuning on WFCAM on-sky data	וח	WE 31-Jar	-05 awaiting Phase-2 commissioning data	0	
			-05 awaiting Phase-2 commissioning data	0	