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WP		V.I. F.	name	date	end of month report	%sub	% task	
#	Management and definition of project responsibilities	3.0						
	report to VISTA, UKIDSS, JAC, ATC, GSC						87	
	provide fornightly meeting minutes, monthly reports on progress + quarterly review reports and planning		STH, MJI	31-Jul-04	minutes and report produced	10		
				31-Aug-04	meetings held, minutes and report produced	50		
			STH, MJI	30-Sep-04	met, reported	100	L	
							<u> </u>	
	prepare for and present paper at ADASS meeting		JRL	31-Jul-04	abstract written and submitted	10		
					nothing further this month	10 50		
			JRL	30-Sep-04	poster text and figures drafted and now in the hands of Richard Sword	50		
	2 interface control document between CASU and JAC				completed		100	
1.4	2 Interface control document between CASU and JAC				completed		100	
1 2	3 interface control document between CASU and WFAU				completed		100	
1.5							100	
14	4 define WFCAM data structures and FITS headers				completed		100	
							100	
152	define WFCAM observing protocols						87	
1.54	check OT generated MSBs and create diagrams		MJI + STH	31 101 04	no progress	0	-	
			MJI + STH			10		
					no further progress	50		
				00-0cp-04				
1 5h	define VISTA observing protocols							
1.50	help define science and user requirements		MJI + PSB	31 101 04	example science goals collated from VDUC to be included in UKURD	10		
					sent detailed comments on UKURD to WJS	50		
	+				sent further comments to WJS	100	-	
			IVIJI + PSB	30-Sep-04		100		
162	liaise with UKIDSS&JAC on WFCAM obs strategy, surveys planning						87	
1.04	monitor progress		DWE	31-Jul-04	nothing to report	10	-	
			DWE		continued telecons	50		
			DWE		continued JAC telecons.	100		
	investigate MKO sky brightness		STH	31-Jul-04	no progress	0		
			STH	31-Aug-04	no progress	0		
			STH	30-Sep-04	Andy Adamson has completed report on MKO sky brightness	100		
1.3 1.4 1.5a 1.5b 1.6a 1.6b	liaise with Project Scientist on VISTA observing strategy & survey planning							
	monitor progress		PSB	31-Jul-04	PSB held discussions with WJS	10		
					nothing to report	50		
			PSB		incorporated WJS suggestions on failure modes into URD draft	100		
			100	00 000 04				
1.7a	liaise with VDUC on VDFS products for WFCAM						87	
	monitor progress + attend meetings as necessary		STH + MJI	31-Jul-04	up to date	10		
					nothing to report	50		
					nothing to report	100		
1.7b	liaise with VDUC on VDFS products for VISTA							
	monitor progress + attend meetings as necessary		MJI + STH		up to date	10		
					nothing to report	50		
					nothing to report	100		
1.8a	liaise with UKIDSS and JAC on survey progress DB		JRL		paused until commissioning		8	
1.9	e system documentation						8	

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update and maintain web pages of system docs		DWE	31-Jul-04	documentation updated as necessary	10	
		DWE		documentation updated as necessary	50	
		DWE	30-Sep-04	documentation updated as necessary	100	
2 ESO VISTA software interface deliverables and documentati	on 4.	0				
2.1 VDFS user requirements document						
agree RIXs		PSB	31-Jul-04	comments fed back to JPE	50	
		PSB	31-Aug-04	no progress. awaiting final issue of RIX response document.	50	1
		PSB		reviewed and agreed final RIX doc	100	
				Ŭ		1
update docs		PSB	31-Jul-04	clearcut alterations made, now awaiting agreement on RIXs	10	Ē
		PSB	31-Aug-04	still awaiting agreement on RIXs	10	1
		PSB		drafted multiple changes	50	_
		1.00				
2.2 data reduction specification document						
agree RIXs		PSB	31-Jul-04	comments fed back to JPE	50	
		PSB		no progress. awaiting final issue of RIX response document.	50	
		PSB	30-Sep-04	reviewed and agreed final RIX, reviewed new DFS deliverables spec and	00	—
		FSD	30-3ep-04	CPL Tech Manual for impact on Data-Reduction design	100	
						<u> </u>
update docs		PSB	31-Jul-04	clearcut alterations made, now awaiting agreement on RIXs	10	<u> </u>
		PSB		no progress. awaiting final issue of RIX response document	10	
		PSB		drafted multiple changes	50	_
		FSD	30-3ep-04		50	
produce report on OEITS/CDL for ESO		PSB	21 Aug 04	report written and sent to JPE for review	50	-
produce report on QFITS/CPL for ESO		PSB			100	
		PSB	30-Sep-04	report updated and sent to ESO	100	-
						
2.3 calibration plan document						
agree RIXs		PSB		comments fed back to JPE	50	
		PSB	31-Aug-04	no progress. awaiting final issue of RIX response document.	50	
		PSB	30-Sep-04	reviewed and agreed final RIX document	100	_
						1
update docs		PSB	31-Jul-04	uncontroversial alterations made, now awaiting agreement on RIXs	10	
		PSB		no progress. awaiting final issue of RIX response document.	10	_
		PSB	30-Sep-04	drafted multiple changes	50	
2.5 ICD ESO/VPO						1
update DID and write first draft of DID doc for FDR		PSB	31-Jul-04	first draft DID almost complete barring input from JMS on TCS	10	1
		PSB	31-Aug-04	first draft DID sent to JPE for release	100	<u> </u>
						1
2.7 Delivery software modules for exposure time calculator						<u> </u>
develop mathematical description for ETC		PSB	31-Jul-04	no progress	0	1
		PSB		began investigation based on ISAAC ETC	10	
		PSB	30-Sep-04	STH has written mathematical description of ETC	100	
			00-00p-04		100	
define scope of ETC		PSB	31-Jul-04	no progress	0	
		PSB			10	
		PSB		began initial investigation	100	
		FSD	30-Sep-04	STH has defined scope of ETC based on 1618_v2	100	-
			01.1.1.0.1			-
write report		PSB	31-Jul-04	no progress	0	
		PSB	<u>v</u>	no progress	0	<u> </u>
		PSB	30-Sep-04	STH and PSB have written first draft of ETC document. Waiting to see ESO	50	
				example doc (VIMOS ETC) before circulating	50	-
						-
2.8 liaise with VISTA IR camera development team		005			40	-
continue liaising		PSB	31-Jul-04	productive interaction with SB on DID	10	
		PSB	31-Aug-04	lots of discussion with JMS	50	<u> </u>
		PSB	30-Sep-04	discussed implications of new template approach, discussed TCS DIC,		
		FSD	00-0cp-04	organised and held RIX-action telecon	100	

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3 Pipeline infrastructure and pipeline progress monitoring tools	3.5				
3.1 interactive tools for running pipeline					
develop tools and document		JRL	31-Jul-04	some more tools written and documented	10
		JRL	31-Aug-04	some more tools written and documented. Local catalogue searching	
				added.	50
		JRL	30-Sep-04	large number of basic tools added and documented, mainly for	
				commissioning tasks following discussion with JAC. Up to date as far as we can predict.	400
					100
3.2 high level scripts to interrogate headers			31-Jul-04	near and a stale with a subract status from image and actale we be done	
develop with WFC data		STH, JMI	31-Jui-04	programmes written to extract status from image and catalogue headers. needs work to speed up and optomize method. present version takes 30	
				mineds work to speed up and optomize method, present version takes so	10
		STH, JMI	31-Aug-04	some speed up achieved by using cats were poss. will need to rethink	
				method if this is too slow.	50
		STH, JMI	30-Sep-04	method works well with WFC data.	100
3.3 automatic progression of results to web pages		OT11 1041	04.1.1.04		50
develop with WFC data		STH, JMI	31-Jul-04	script reports results to www pages - by machine and by run number	50
		STH, JMI	31-Aug-04	some testing and feedback received - improvements and extra plots added, including expected parameters from WFCAM headers and value checking.	
				Investigating interactive plots/database scheme.	50
		STH, JMI	30-Sep-04	taken as far as we can with WFC data	100
		- , -			
3.4 automatic checks to spot failure of pipeline					
use WFC data to develop a scheme		JMI, STH	31-Jul-04	existing scheme allows failures to be spotted and reason diagnosed. work	
				to be done on DQC parameter checking - current version includes	- 0
				astrometry.	50
		JMI, STH	31-Aug-04	most checks now in place, and pipeline failures easy to spot - planning a more automated approach	50
		JMI, STH	30-Sep-04	no further progress	50
3.6 group documentation on pipeline infrastructure					
stress test documentation and update as necessary		JRL	31-Jul-04	JMI used pipeline to process IPHAS data and reported problems back to	
		-		JRL for incorporation	10
		JRL	31-Aug-04	problems reported by JMI fixed.	50
		JRL	30-Sep-04	fixed a few small bugs	100
4 Set up and manage raw science archive	0.0		1		
4.1 extend UKIRT archive to cope with WFCAM data					
implement interface for ESO compatibility		JRL	31-Jul-04	no progress	0
		JRL	31-Aug-04	keyword translation code finished, about to test using WFCAM frames	50
		JRL	30-Sep-04	created test data set for ESO to transfer (ESO keywords included). Liaising	
		0	00 000 01	with ESO over a few more minor requested changes.	50
5 Set up and manage data processing system hardware	2.0				
5.2 buy hardware and install					
purchase and install bulk storage devices			31-Jul-04	no progress	0
		PSB, JMI	31-Aug-04	postponed	0
	L		04.1.1.0.1		
purchase and install spare ultrium device			31-Jul-04	no progress	0
		гов, JMI	31-Aug-04	postponed	U
5.3 integrating and testing					
integrate and test bulk storage devices	L		31-Jul-04	no progress	0
Integrate and test built storage devices		PSB IMI	31-Jui-04 31-Aug-04		0
		, 3D, 3WI	01-Aug-04		
integrate and test spare ultrium device		PSB IMI	31-Jul-04	no progress	0

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5.4	Manage day-to-day maintenance and upgrades			04 1-1-04		10
	continue maintenance and upgrade programme		JMI, PSB	31-Jul-04	implemented virtual consoles for processing machines	50
			JMI, PSB		maintenance and upgrades proceeding to plan	
			JMI, PSB	30-Sep-04	apm3 raid disk failure. disk recovered and backups restored	100
	plan for APM refurbishment and move equipment		MJI, PSB	31-Jul-04	rock mounted more CASIL equipment	10
	plan for APM refurbishment and move equipment		MJI, PSB MJI, PSB	31-Jui-04 31-Aug-04	rack mounted more CASU equipment some equipment moved, much clearing out and planning achieved, rest of	10
			IVIJI, PSD	31-Aug-04	equipment scheduled to be moved late september	50
			MJI, PSB	30-Sep-04	APM building completely vacated and all equipment up and running in Obs	
			,		sweatshop.	100
6	Run standard pipeline	2.5				
	Development work for summit pipeline	1.0		1		
7.1	Interface test pipelines in ORAC-DR		JRL		completed	
20	implement MECAM nincline at cummit					
∠d	implement WFCAM pipeline at summit demonstrate catalogue and non-catalogue DQCs		JRL	31-Jul-04	continuing tests using CIRSI data with faked WFCAM headers	10
	demonstrate catalogue and non-catalogue DQCS		JRL	31-Jui-04 31-Aug-04	still no suitable test data, unlikely to see any before late september	10
			JRL	30-Sep-04	still no suitable test data	10
20	documentation for ORAC-DR interface					
Ja	update and deliver documentation as development proceeds		JRL	31-Jul-04	documentation added for commissioning recipes written this month.	10
	update and deriver documentation as development proceeds				· · ·	
			JRL	31-Aug-04 30-Sep-04	no progress this month Documentation added to primitives as they have been written and is now up	10
			JRL	30-Sep-04	to date	100
	upgrade and maintain summit pipeline WFCAM					
.4a			JRL	31-Jul-04	commissioning recipes and primitives being updated to deal with readout	
	upgrade and maintain		JRL	3 I-Jul-04	characteristics (persistance, linearity etc).	10
			JRL	31-Aug-04	continued work on sky subtraction algorithms	50
					, ,	50
			JRL	30-Sep-04	Series of primitives written for sky subtraction, linearity (pre- and post-reset corrected data) and defringing	100
	Development and testing of standard 2d processing	4.0				
2						
	further development of standard pipeline for WECAM					
	further development of standard pipeline for WFCAM finish implementing new version of imcore to include full param set		JRI	31-Jul-04	no further progress	0
	further development of standard pipeline for WFCAM finish implementing new version of imcore to include full param set		JRL JRL	31-Jul-04 31-Aug-04	no further progress	0
			JRL	31-Aug-04	no further progress	-
			-	31-Aug-04		0
.1a			JRL	31-Aug-04	no further progress	0
.1a	finish implementing new version of imcore to include full param set		JRL	31-Aug-04	no further progress no further progress - awaiting completion of 9.1	0
.1a	finish implementing new version of imcore to include full param set		JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital.	0
.1a	finish implementing new version of imcore to include full param set		JRL JRL	31-Aug-04 30-Sep-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk	0
.1a	finish implementing new version of imcore to include full param set		JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September	0
.1a	finish implementing new version of imcore to include full param set		JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used	0
.1a	finish implementing new version of imcore to include full param set		JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September	0
.1a	finish implementing new version of imcore to include full param set		JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used	0
.1a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity		JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Jul-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity	0 0 10 10 10
.1a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity		JRL JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity no further work on linearity of existing engineering data	0 0 10 10 10 0
.1a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity		JRL JRL JRL JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity no further work on linearity of existing engineering data no progress	0 0 10 10 10 0 0
.1a .2a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity		JRL JRL JRL JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity no further work on linearity of existing engineering data no progress	0 0 10 10 10 0 0 0
.1a .2a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity assess engineering test data for above problems and report		JRL JRL JRL JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity no further work on linearity of existing engineering data no progress	0 0 10 10 0 0 0 0 0
.1a .2a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity assess engineering test data for above problems and report liaison with Project Scientist & VISTA development team		JRL JRL JRL JRL JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Aug-04 30-Sep-04 31-Jul-04 31-Jul-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in Seotember stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity no further work on linearity of existing engineering data no progress no progress	0 0 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3.1a 3.2a	finish implementing new version of imcore to include full param set liaison with WFCAM development team continue discussion on reset anomaly, crosstalk and linearity assess engineering test data for above problems and report liaison with Project Scientist & VISTA development team		JRL JRL JRL JRL JRL JRL JRL JRL JRL JRL	31-Aug-04 30-Sep-04 31-Jul-04 31-Aug-04 30-Sep-04 31-Jul-04 30-Sep-04 31-Jul-04 31-Jul-04 31-Jul-04 31-Aug-04	no further progress no further progress - awaiting completion of 9.1 progress on readout problems is being made now due to discussions with ATC staff. Real test data is still vital. some progress on dark stability using acceptance data. Expecting crosstalk data from JAC in September stil waiting for some lab data, including crosstalk measurements. Have used the existing lab data to investigate linearity no further work on linearity of existing engineering data no progress no progress no progress	0 0 10 10 0 0 0 0 0

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continue liaising wit	th ATC/JAC		STH	31-Jul-04	nothing to report	10	
			STH	31-Aug-04	responded to query from Paul Hirst, continued telecons. discussion with JAC on revised on-sky commissioning plan	50	
			STH	30-Sep-04	telecons continued and planned for JRL to visit JAC in November in line with revised commissioning schedule.	100	
iaise and discuss v	ng VISTA comissioning observations		OTU	24 101 04	nothing to you out	10	1
	WIT VISTAPS		STH STH	31-Jul-04 31-Aug-04	nothing to report nothing to report	50	
			STH		nothing to report	100	
			5111	30-3ep-04			
8.5 Tuning pipeline dr	uring commissioning and after						1
	s-test pipeline using IPHAS data		JMI	31-Jul-04	good progress with IPHAS data shows that splitting by filter works well. have identified problems with using networked catalogues for crowded regions and planned to implement local versions.	50	
			JMI	31-Aug-04	continued processing and reprocessing has helped tune and stress test the pipeline. Local catalogue access implemented.	100	
8.6 documentation fo	r 2D processing software						5
	ecessary and as a result of feedback		JRL	31-Jul-04	no progress	0	
			JRL	31-Aug-04		0	
			JRL	30-Sep-04	no progress	0	
	een automated and manual data products						7
compare FIRES wit	th published results and write report		STH	31-Jul-04	no progress	0	
			STH	31-Aug-04	MJI implementing alternative seeing-weighted image stacking algorithm to give better comparison with published FIRES dataset.	10	
			STH + MJI	30-Sep-04	no further progress	10	
discuss results with	2 CSV		STH	31-Jul-04	no progress	0	
	1031		STH	31-Aug-04		0	
			STH	30-Sep-04		0	
9 Development and	testing of standard catalogue products	4.0					
9.1 add in new measu	ures requested						6
finish testing and de	ebugging new catalogue parameter measures		MJI	31-Jul-04	no progress	0	
			MJI	31-Aug-04	more tests and progress on assorted flux measures and errors. As expected NIR data needs a different specification c.f. to optical	50	
			MJI	30-Sep-04	work on refining error estimation still in progress	50	
0.0 mofilmo potreo motrio	a alibratian madal		MJI		have a second		8
9.2 refine astrometric			IVIJI		paused		C
9.3 generate model si	imulations of expected data		STH, JMI		paused		8
			,				
9.4 assess catalogue							7
refine parameter er	rror estimates and check for systematics in new params		MJI	31-Jul-04	no progress	0	
			MJI	31-Aug-04	some further progress on error estimates and systematics for new parameters	10	
			MJI	30-Sep-04	more tests completed	50	
9.5 intercomparison (of catalogue products with other packages		JMI		paused		6
9.5 Intercomparison c							
9.6 Completeness and					stopped - subsumed into 9.4		
9.6 Completeness and	d error estimates				stopped - subsumed into 9.4		5
9.6 Completeness and 9.7 documentation of			MJI	31-Jul-04	stopped - subsumed into 9.4 updated PODs	10	5
9.6 Completeness and 9.7 documentation of	d error estimates		MJI	31-Jul-04 31-Aug-04	updated PODs	10 10	5
9.6 Completeness and 9.7 documentation of	d error estimates				updated PODs more software added to documentation set		5

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10.2 development and assessment of PSF options 1,2						(
produce robust version of code for PSF level 1		MJI		awaiting results from 16	0	\square
		MJI	31-Aug-04	robust versions of PSF generation code developed and good progress on level 1 PSF estimation code	50	
		MJI	30-Sep-04	trial software completed	100	
produce prototype for PSF level 2		MJI	31-Jul-04	awaiting results from 16	0	<u> </u>
		MJI		good progress on level 2 PSF estimation code	50	
		MJI		no further progress	50	
0.3 develop 1D/2D PSF-deconvolved Sersic profile fits						<u> </u>
produce prototype code for sersic profile fits		MJI	31-Jul-04	no progress	0	
		MJI		no progress this month	0	
		MJI	30-Sep-04	made assessment of existing software: found to be of no use	10	-
11 Photometric standards and calibration	3.0					
11.1 agree on primary standards		OTU	04 1-1 04		0	
complete narrow band filter calibration plan and update document		STH STH	31-Jul-04	no progress	0	
		STH		no progress		
		310	30-Sep-04			
11.2 choose secondary standard fields						
finish updates to photom doc and circulate		STH	31-Jul-04	no progress	0	
		STH		no progress	0	
		STH			50	
11.7 assess extinction monitoring methods and develop measures						-
complete investigation of UKIRT archive and write report		STH	31-Jul-04	no progress	0	
		STH	31-Aug-04	no progress	0	
		STH	30-Sep-04	no progress	0	
						<u> </u>
simulate from night(s) data and estimate expected accuracy		STH		no progress	0	
		STH		no progress	0	
		STH	30-Sep-04	no progress		-
12 Further development of DQC measures at summit and Cambr	2.0					-
2.1 develop extra systematic noise measures						
trial software with real & simulated data		MJI		using INT WFC data to test measures	10	
		MJI		no progress this month	10	
		MJI	30-Sep-04	awaiting real data	10	-
2.2 Refine current measures for WFCAM/VISTA data		JRL		paused pending appropriate data		
2.3 implement 2mass for throughput measurement		JMI		paused		<u> </u>
2.4 master calibration frames for detector monitoring		וסו	04 1-1-04		0	-
assess and report on lab testing of detectors		JRL	31-Jul-04	no data = no progress some progress on dark stability using acceptance data	~	
		JRL JRL		unable to make further progress	10 10	
40. On the state of the definition of the state of the			·			
13 Co-located list driven photometry	3.0					
I3.2 develop basic WCS-based list driven photometer investigate practicalities and implement agreed ICD for parameters		MJI	31-Jul-04		0	<u> </u>
		MJI	31-Jul-04 31-Aug-04	no progress completed to level of earlier 32 parameter catalogue set, paused waiting for final version of 9.1	50	
		MJI	30-Sep-04	no further progress	50	
13.3 externally driven WCS photometry and define parameter set						-

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	refine, test and debug list-driven parameter estimator - finish		MJI	31-Jul-04	no progress	0	
			MJI	31-Aug-04	completed to level of earlier 32 parameter catalogue set, paused waiting for final version of 9.1	50	
			MJI	30-Sep-04	no further progress	50	
4	Checking and magnining						
	Stacking and mosaicing develop benchmark simple stacking/mosaicing framework	4.0	MJI		complete		1(
1-7.1			IVIOI				
14.2	NN algorithm with simple rejection		MJI		complete		10
14.3	More sophisticated rejection dealing with pixellation		MJI		complete		10
14.4	Stacking with optimum wighting and defect rejection						2
	refine current weighting method, test and report on alternative schemes		MJI	31-Jul-04	no progress	0	
			MJI	31-Aug-04	trialling seeing-weighted scheme for optimum point source detection and parameterisation	50	
			MJI	30-Sep-04		50	
4	Continuum subtraction and basis difference imaging		0				
	Continuum subtraction and basic difference imaging	4.(MJI		completed		10
15.2	investigate and apply different interpolation methods		MJI		completed		10
15.3	develop adaptive kernel matching option						8
	continue debugging and enhancements to adaptive kernel package		MJI	31-Jul-04	no more bugs this month	10	
			MJI	31-Aug-04	on track, no new bugs found, now trialling on 15.4	50	
			MJI	30-Sep-04	up to date	100	
45 /	transit sucht detection						
15.4	I transit event detection assess difference imaging method (continuum subtraction)		STH	31-Jul-04	no progress	0	
			STH	31-Aug-04	MJI investigating undersampled time series data for variability/transit event	10	
			STH	30-Sep-04	detection trials on SuperWASP data progressing well	50	
16	Interpolation techniques and PSF modeling	4.0	0				
	investigate alternative interpolation/PSF schemes						10
	investigate PSF fitting algorithms and write report - finish		DWE	31-Jul-04	report released	100	
					http://www.ast.cam.ac.uk/~wfcam/docs/reports/psf/		
16.2	implications for different stacking methods					10	2
	quantify effects of interpolation on stacked image quality		MJI MJI	31-Jul-04	doing tests in conjunction with 14.4 tried various schemes and found have little impact for well sampled images	10	
			IVIJI	31-Aug-04	the various schemes and found have little impact for well sampled images	50	
			MJI	30-Sep-04	no further progress	50	
16 3	implications for deriving catalogues and parameters						7
10.0	test PSF photom and astrom using optical data and include in report (16.1)		DWE	31-Jul-04	no progress	0	
			DWE		update of astrometry being added to PSF fitting code	10	
			DWE	30-Sep-04	Astrometry estimation in PSF fitting programme (using elliptical Moffat profiles) produces more accurate positions than standard pipeline		
					astrometry, but is very slow. More tests are ongoing.	50	
		_					
6.4	oversampled PSF generation per detector						(
	investigate modelling emprical PSF and add to report		DWE	31-Jul-04	elliptical moffat profile fitting as part of PSF generator tested	50	
			DWE	31-Aug-04	elliptical moffat profile fitting added to PSF fitting and formulation added to report	100	
40.7	develop everyompled enotielly verying PCF model						1
10.5	develop oversampled spatially varying PSF model measure spatial variation in optical/IR datasets		DWE	31-Jul-04	no progress	0	
				101-0 u-04		5	

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	DWE	31-Aug-04	no progress	0	
	DWE	30-Sep-04	no progress	0	
design empirical model describing same	DWE	31-Jul-04	no progress	0	
	DWE		MJI devised elegant scheme based on adaptive kernal matching to incoporate spatial variation in PSF, if needed.	10	
	DWE		Alternate scheme involves Moffat and bilinear interpolation across frame (cf Anderson and King)	50	