04Q3 casu deliverables.xls

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WP	CASU WP name /sub_task / 04Q3 deliverable	V.I. F.	name	date	end of month report	%sut	b task
#						7,000	
1	Management and definition of project responsibilities	3.0					
1.1	report to VISTA, UKIDSS, JAC, ATC, GSC						75
	provide fornightly meeting minutes, monthly reports on progress + quarterly		STH, MJI				
	review reports and planning prepare for and present paper at ADASS meeting		JRL				
	prepare for and present paper at ADASS meeting		JKL				+
1.2	interface control document between CASU and JAC				completed		100
- '	micriado control accament betracir extec ana exte				Completed		+
1.3	interface control document between CASU and WFAU				completed		100
					·		
1.4	define WFCAM data structures and FITS headers				completed		100
1.5a	define WFCAM observing protocols						75
	check OT generated MSBs and create diagrams		MJI + STH				
1.5b	define VISTA observing protocols						
	help define science and user requirements		MJI + PSB				
1 60	liaise with UKIDSS&JAC on WFCAM obs strategy, surveys planning						75
1.0a	monitor progress		DWE				+ 13
	investigate MKO sky brightness		STH				+
	investigate wiko sky brightness		3111				-
1 6h	liaise with Project Scientist on VISTA observing strategy & survey planning						+
1.05	nuise with Froject colonies on Fro A observing strategy & survey planning						
	monitor progress		PSB				
1.7a	liaise with VDUC on VDFS products for WFCAM						75
	monitor progress + attend meetings as necessary		STH + MJI				
1.7b	liaise with VDUC on VDFS products for VISTA		MAIL OTH				
	monitor progress + attend meetings as necessary		MJI + STH				
4.0-	li-i		IDI		d		75
1.8a	liaise with UKIDSS and JAC on survey progress DB		JRL		paused		15
19	system documentation						75
- 1.0	update and maintain web pages of system docs		DWE				+
	apade and maintain was pages of dystem does		D.1.2				
2	ESO VISTA software interface deliverables and documentation	4.0					
2.1	VDFS user requirements document						70
	agree RIXs		PSB				
	update docs		PSB				
							
2.2	data reduction specification document		DOD				70
	agree RIXs		PSB				+
	update docs		PSB				_
22	calibration plan document						70
	agree RIXs		PSB				+ "
	update docs		PSB				+
							-
2.5	ICD ESO/VPO						60
	update DID and write first draft of DID doc for FDR		PSB				
	Delivery software modules for exposure time calculator						0
	develop mathematical description for ETC		PSB				

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8.2a	liaison with WFCAM development team					75
	continue discussion on reset anomaly, crosstalk and linearity		JRL			
	assess engineering test data for above problems and report		JRL			
8 2h	liaison with Project Scientist & VISTA development team					
0.25	assess detector engineering test data		MJI		-	
-	assess detector engineering test data		IVIJI		-	
-	()		-		\rightarrow	
8.3a	partake in planning WFCAM commissioning observations					80
	continue liaising with ATC/JAC		STH			
8.3b	partake in planning VISTA comissioning observations					
	liaise and discuss with VISTA PS		STH			
8.5	Tuning pipeline during commissioning and after				-	
0.0	optimize and stress-test pipeline using IPHAS data		JMI	 	-	
	optimize and stress-test pipeline using IFFIAS data		JIVII		-+	
		_			\longrightarrow	
8.6	documentation for 2D processing software					50
	updates docs as necessary and as a result of feedback		JRL			
8.7	Comparison between automated and manual data products					75
	compare FIRES with published results and write report		STH			
	discuss results with CSV		STH			
	allocator results with 66 v		0111		-	
_	Development and testing of standard estalegue and dusts	4.0			_	
	Development and testing of standard catalogue products	4.0	<u> </u>			
9.1	add in new measures requested				\longrightarrow	60
	finish testing and debugging new catalogue parameter measures		MJI			
9.2	refine astrometric calibration model		MJI	paused		85
9.3	generate model simulations of expected data		STH, JMI	paused		80
J 3.0	generate moder simulations of expected data		OTTI, OWII	pauseu	-	
					-	70
9.4	assess catalogue parameter reliability				\rightarrow	
	refine parameter error estimates and check for systematics in new params		MJI			
					\longrightarrow	
9.5	intercomparison of catalogue products with other packages		JMI	paused		60
9.6	Completeness and error estimates			stopped - subsumed into 9.4		
	- P					
L	de comentation of catalogue a oftonore and musilinets				-	55
9.7	documentation of catalogue software and products	_			\rightarrow	
	update catalogue products documentation		MJI			
			1			
	Setup trial and run further processing pipeline	3.0)			
10.2	development and assessment of PSF options 1,2					50
	produce robust version of code for PSF level 1		MJI			
	produce prototype for PSF level 2		MJI			
	produce prototype to 1 or to a		11101			
10.3	develop 1D/2D PSF-deconvolved Sersic profile fits			1		
10.3			NA II		-	
	produce prototype code for sersic profile fits		MJI		\longrightarrow	
	Photometric standards and calibration	3.0)			
11.1	agree on primary standards					90
	complete narrow band filter calibration plan and update document		STH			
11 2	choose secondary standard fields				-	80
-	finish updates to photom doc and circulate		STH		-+	
 	Innien apaates to priotoin doc and oncolate	+	3111		-+	
44-		_			$-\!+$	
11.7	assess extinction monitoring methods and develop measures		1		\longrightarrow	50
	complete investigation of UKIRT archive and write report	\perp	STH		\longrightarrow	
<u></u>	simulate from night(s) data and estimate expected accuracy		STH			

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	2 Further development of DQC measures at summit and Cambr	2.0			_
_	develop extra systematic noise measures	2.0	<u> </u>		50
12.	trial software with real & simulated data		MJI		
	that contrare with roal a cimulated data		IVIOI		
12.	2 Refine current measures for WFCAM/VISTA data		JRL	paused pending appropriate data	20
12.	3 implement 2mass for throughput measurement		JMI	paused	75
12.	4 master calibration frames for detector monitoring				35
	assess and report on lab testing of detectors		JRL		
-	2 Co. Located list driven whatevester	3.0			
	3 Co-located list driven photometry 2 develop basic WCS-based list driven photometer	3.0	<u> </u>		90
13.	investigate practicalities and implement agreed ICD for parameters		MJI		
	investigate practicalities and implement agreed 105 for parameters		IVIOI		
13.	3 externally driven WCS photometry and define parameter set				75
	refine, test and debug list-driven parameter estimator - finish		MJI		
	, , , , , , , , , , , , , , , , , , , ,				
	4 Stacking and mosaicing	4.0)		
14.	1 develop benchmark simple stacking/mosaicing framework		MJI	complete	100
14.	2 NN algorithm with simple rejection		MJI	complete	100
					400
14.	3 More sophisticated rejection dealing with pixellation		MJI	complete	100
11	4 Stacking with antimum wighting and defect rejection				25
14.	4 Stacking with optimum wighting and defect rejection refine current weighting method, test and report on alternative schemes		MJI		
	Terme current weighting method, test and report on alternative schemes	+	IVIJI		
1	5 Continuum subtraction and basic difference imaging	4.0)		
	1 Simple WCS-based subtraction techniques		MJI	completed	100
15.	2 investigate and apply different interpolation methods		MJI	completed	100
15.	3 develop adaptive kernel matching option				80
	continue debugging and enhancements to adaptive kernel package		MJI		
45	4 transit event detection				0
15.	assess difference imaging method (continuum subtraction)		STH		
	assess difference imaging method (continuum subtraction)		3111		
1	6 Interpolation techniques and PSF modeling	4.0)		
	1 investigate alternative interpolation/PSF schemes	1			70
	investigate PSF fitting algorithms and write report - finish		DWE		
16.	2 implications for different stacking methods				20
	quantify effects of interpolation on stacked image quality		MJI		
16.	3 implications for deriving catalogues and parameters				70
	test PSF photometry and astrometry using optical data and include in report		DWE		
	(16.1)	+			
16.4	oversampled PSF generation per detector				50
. 5.4	investigate modelling emprical PSF and add to report		DWE		
	and the second of the second o				
16.	5 develop oversampled spatially varying PSF model				0
	measure spatial variation in optical/IR datasets		DWE		
	design empirical model describing same		DWE		
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