

ACS Cycle 24 Calibration Plan – Routine programs

PI	Proposal Title	Frequency	Time (orbits)		Scheduling Required	Resources Required (FTE)	Products	Accuracy Required	Notes
			External	Internal					
Golimowski 14506-17-18	ACS CCD Daily Monitor	3x/week		624	Periodic	0.5	Ref files		Dark, bias creation
Chiaberge 14507	ACS External CTE Monitor	Yearly	8		Summer 2017	0.5	correction formula	1% abs	Monitoring of CTE losses to calibrate correction formula
Chiaberge 14508	ACS Internal CTE Monitor	Twice in Cycle		12	Nov 16 May 17	0.04	Web, cte ref files	10%	CTE EPER test
Golimowski 14509	ACS CCD Hot Pixel Annealing	4 weeks		156	Periodic	0.25	Ref		
Avila 14510	ACS UV Contamination Monitor	Yearly	2			0.1	Ref, ISR	1%	SBC sensitivity
Coe 14511	ACS CCD Stability Monitor	3x in cycle	4		Nov 16 Mar/Jul 17	0.1	Ref files	1%	L-flat, Distortion, Photometry Back to original version
Borncamp 14512	ACS Internal Flat Fields	2x/cycle		16	~Dec16 ~Aug17	0.1	Ref, ISR	<1%	Track flat field changes, uses lamps. Back to original version
Avila 14513	ACS SBC darks	Yearly		4		0.04		10%	
Porterfield 14514	Post flash calibration	Yearly		1	March 17	0.02		1%	Post-flash ref file
Wheeler 14515	ACS SBC MAMA Recovery	as needed		4		0.004	-	-	After irregular safing
Total orbits			14	817					

Non-routine calibration programs

Bohlin 14863	ACS photometric calibration	Yearly	9		March 17	0.3	Zeropoints ISR	<1%	Photometric standards, new K-type star added
Anderson 14864	Repinning and reformulation of the ACS CTE model	as needed		12		0.35	Model, ISR		To be taken during the same anneal
Total orbits (routine+non-routine cals)			23	829					