

ACS Cycle 25 Calibration Plan

ACS Cycle 27 Calibration plan											
ID	PI	Proposal Title	Frequency	External	Internal	Scheduling requirements	Resources required (FTE)	Products	Accuracy required	Notes	
Non-routine programs											
16008	Desjardins	ACS/WFC Polarizer Calibration			2		none	0.1	Pol Coefficients	<2%	POLV and F775W
16007	Ryon	Monitor and Improve the Pixel-Based CTE				4	anytime, within a week	0.2	Model parameters	~10%	Darks w/postflash at different intensities. To be done again for next 2-3 cycles
Routine programs											
15764	Hathi	ACS CCD Stability monitor	4x / cycle		6		Nov/Feb19- May/Jul20	0.1	Ref. files	1%	L-flats, Distortion, Photometry. 47Tuc + OmegaCen (new)
15761	Ryon	ACS Internal CTE monitor	2x / cycle			12	Nov 19 May 20	0.1	Webpage, CTE ref files	10%	CTE EPER Test, uses LED (new)
15757-58-59	Desjardins	ACS CCD Daily monitor	3x/week			628	Periodic	0.5	Ref. files		Dark, bias creation
15760	Chiaberge	ACS External CTE monitor	Yearly		8		Summer 2020	0.5	Correction formula	~2% abs	Monitoring of CTE losses to calibrate formula
15762	Desjardins	ACS CCD hot pixel annealing	4 weeks			156	Periodic	0.25	Ref. files, ISR		
15763	Avila	ACS UV Contamination monitor	Yearly		2			0.1	Ref. files	1%	SBC Sensitivity
15765	Hoffmann	ACS Internal Flat Fields	2x / cycle			16	Dec 19 Jun 20	0.1	Ref. files, ISR	<1%	Track P-flats changes, uses lamps.
15766	Avila	ACS SBC Darks	Yearly			4	Mar 2020	0.1		10%	
15767	Bohlin	ACS Photometric Calibration	Yearly		4		By end of cycle	0.15	ISR, Zeropoints, Ref files	<-1%	
15768	Wheeler	ACS SBC MAMA Recovery	as needed			4		0.004			After irregular safing
15769	Miles	Postflash Calibration	yearly			6	Nov-19	0.1	Postflash calibration file, ISR	1%	Performed since Cycle25
15770	Desjardins	ACS/WFC Gain monitor	yearly			1	None	0.05	Gain	<5%	Performed in Cycle25 for first time since SM4
		Total request for routine programs			20	827		1.854			
		Total request for Cycle 27			22	831		2.354			