

ACS Cycle 28 Calibration plan

ID	PI	Proposal Title	Frequency	Orbits		Scheduling requirements	Resources required (FTE)	Products	Accuracy goal	Notes	
				External	Internal						
16391	Ryon	Monitor the parameters of the Pixel- CTE			4	anytime,within a week	0.1	Model parameters	~10%	Darks w/postflash at different intensities.	
16384	Cohen**	ACS CCD Stability monitor	4x / cycle	6		~Nov, Feb, May, Jul	0.15	Flat field ref. files, geom. dist	1% for FF	L-flats, Distortion, Photometry. 47Tuc + OmegaCen	
16381	Ryon	ACS Internal CTE monitor*	2x / cycle		12	Nov 20, May 21	0.1	CTE webpage updates	10%	CTE EPER Test, uses LED	
16377, 16378, 16379	McDonald**	ACS CCD Daily monitor	3x/week		628	Periodic	0.5	Ref. files		Superdark, superbias creation, sink pixels	
16380	Chiaberge	ACS External CTE monitor	Yearly	8		Summer 2021	0.3	Correction formula	~2% abs	Monitoring of CTE losses to calibrate phot. corr.	
16382	McDonald**	ACS CCD hot pixel annealing	4 weeks		156	Periodic	0.25	Ref. files, ISR			
16383	Avila	ACS UV Contamination monitor	Yearly	2			0.1	Ref. files, zeropoints	1%	SBC Sensitivity	
16385	Hathi**	ACS Internal Flat Fields	2x / cycle		16	Dec 20 Jun 21	0.1	Ref. files, ISR	<1%	Track P-flats changes, uses lamps.	
16386	Avila	ACS SBC Darks*	2x / cycle		8	Fall 20, Mar 21	0.1		10%		
16387	Bohlin	ACS Photometric Calibration	Yearly	4		By end of cycle	0.15	Improved flux calibration	<~1%		
16388	Wheeler	ACS SBC MAMA Recovery	as needed		4	N/A	0.004			After irregular safing	
16389	Olaes**	Postflash Calibration	yearly		6	Nov-20	0.1	Postflash calibration file	1%	Performed since Cycle25	
16390	Hoffmann**	ACS/WFC Gain monitor	yearly		1	None	0.05	Gain	<5%	Performed in Cycle25 for first time since SM4	
		Total orbits for Cycle 28 routine programs		20	835		2.004				
				Non-routine programs							
16419	Ryon	ACS/WFC darks with reduced exposure time and pf	Non-routine		48		0.05			supplemental cal	
16473	Kozhurina-Platais	Astrometric Verification of changes in ACS/WFC	Non-routine	3			0.1			supplemental cal	
16474	Hines	Enabling Spectropolarimetry for the ACS	Non-routine	5			0.15			supplemental cal	
		Total orbits for Cycle 28		28	883		2.304				
	Notes	* Programs with minor differences compared to Cycle 27									
		**New PI									