

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7134 - L2 Version 3
Chandra X-Ray Center

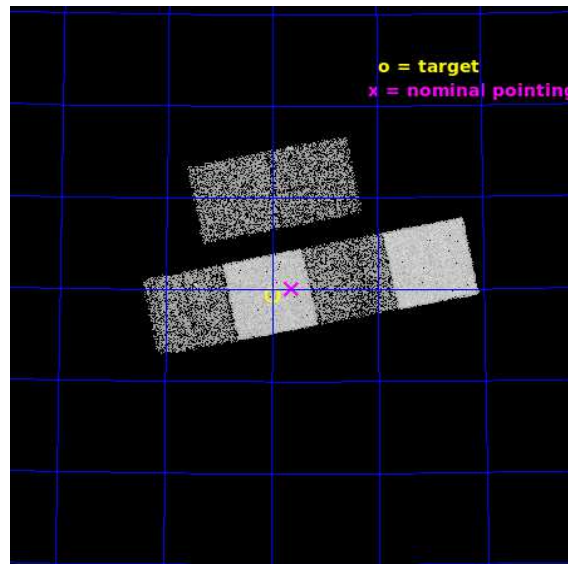
L2 Processing Date : Oct 11 2020

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1 Front

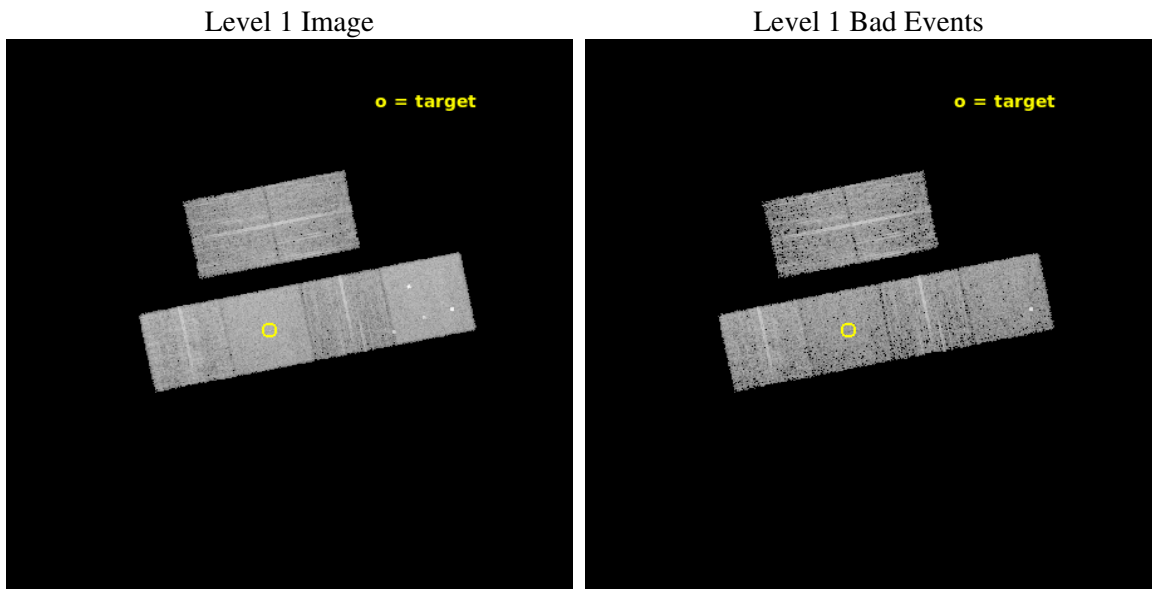
seq_num	600572	Sequence number
obs_id	7134	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	IC 0396	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	74.49625	Observer's specified target RA [deg]
dec_targ	68.323611	Observer's specified target Dec [deg]
ra_nom	74.405711854145	Nominal RA [deg]
dec_nom	68.335330047979	Nominal Dec [deg]
roll_nom	168.5146342419	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4931.1999816298	Sum of GTIs [s]
livetime	4868.7581582503	Livetime [s]
ontime2	4931.1999816298	Sum of GTIs [s]
ontime3	4931.1999816298	Sum of GTIs [s]
ontime5	4931.1999816298	Sum of GTIs [s]
ontime6	4931.1999816298	Sum of GTIs [s]
ontime7	4931.1999816298	Sum of GTIs [s]
ontime8	4931.1999816298	Sum of GTIs [s]
l2events	63765	Number of level 2 events



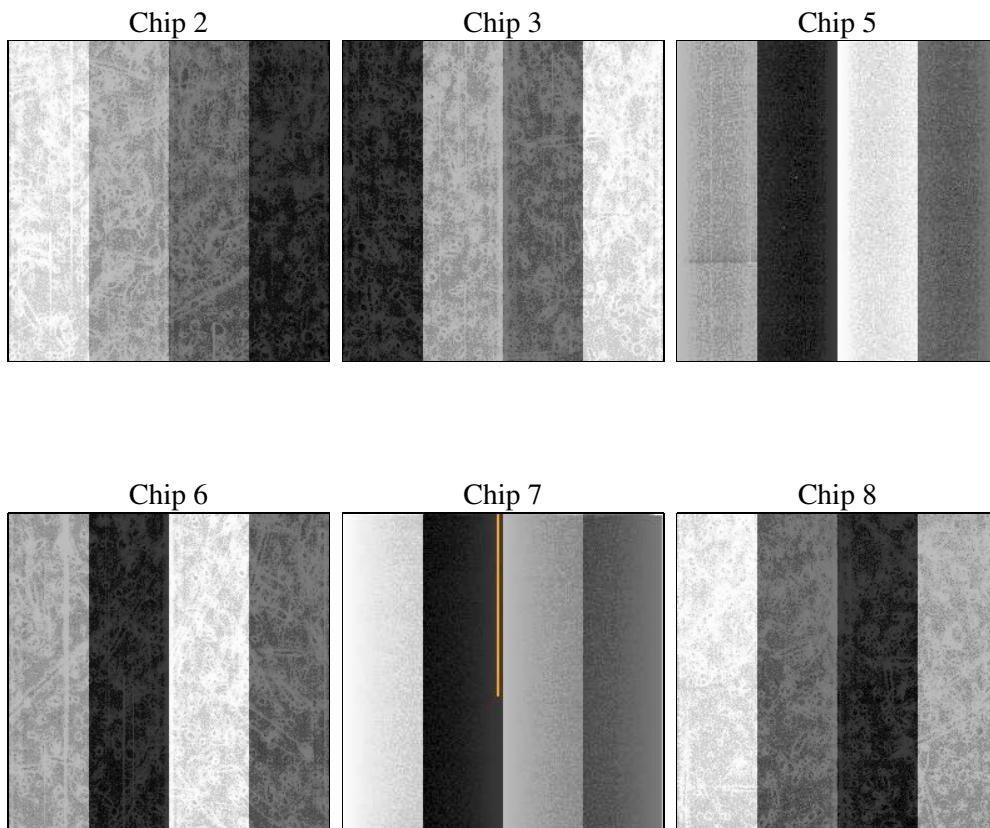
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4980.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4931.1999816298	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4931.1999816298	Sum of GTIs [s]
date	2020-10-11T17:41:30	Date and time of file creation	ontime3	4931.1999816298	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4931.1999816298	Sum of GTIs [s]
			ontime6	4931.1999816298	Sum of GTIs [s]
			ontime7	4931.1999816298	Sum of GTIs [s]
			ontime8	4931.1999816298	Sum of GTIs [s]
			l1events	285440	Number of level 1 events

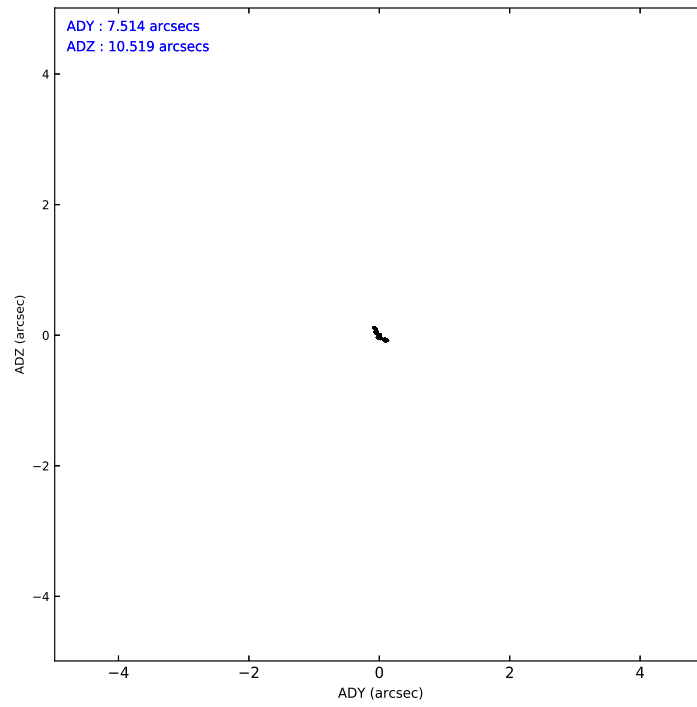
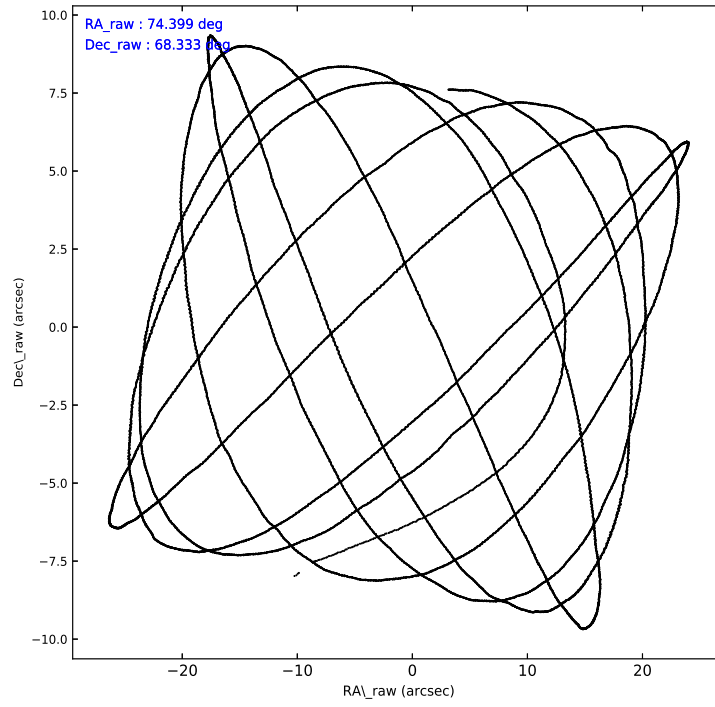
2.1.4 Events

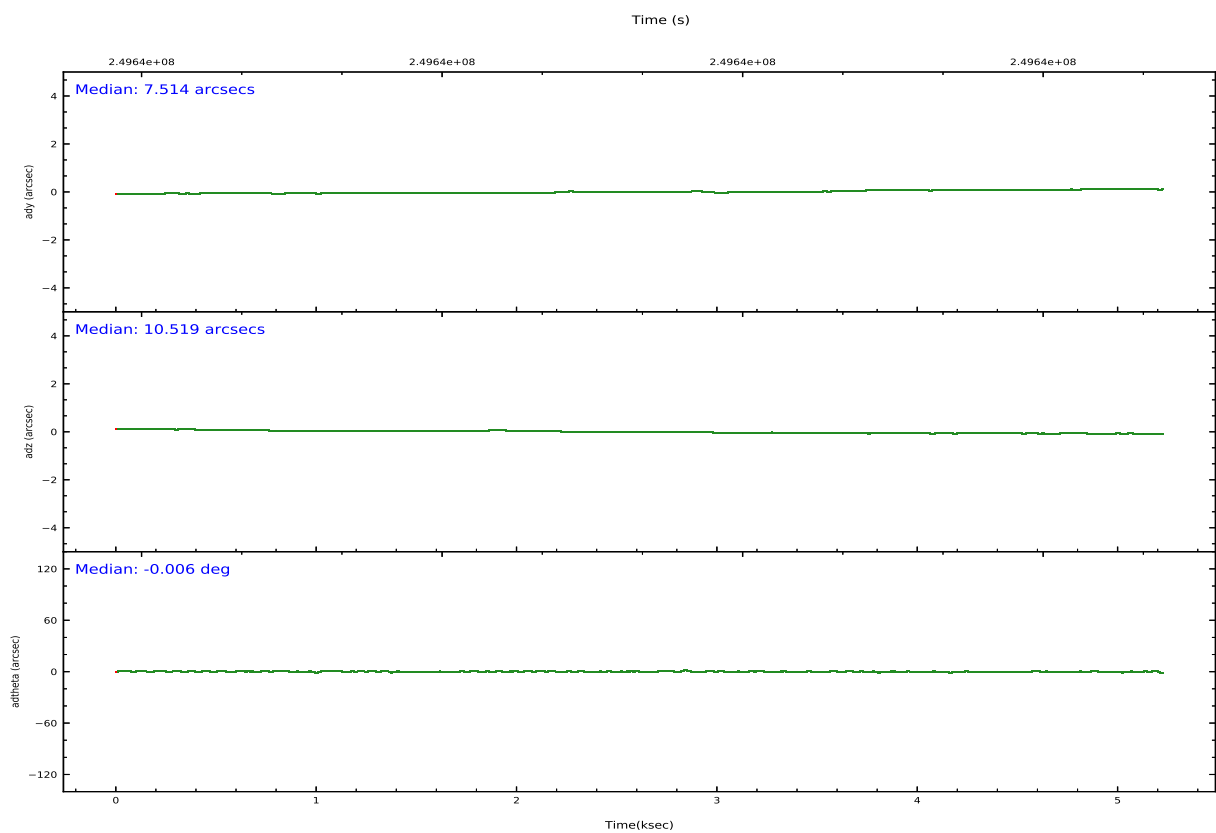
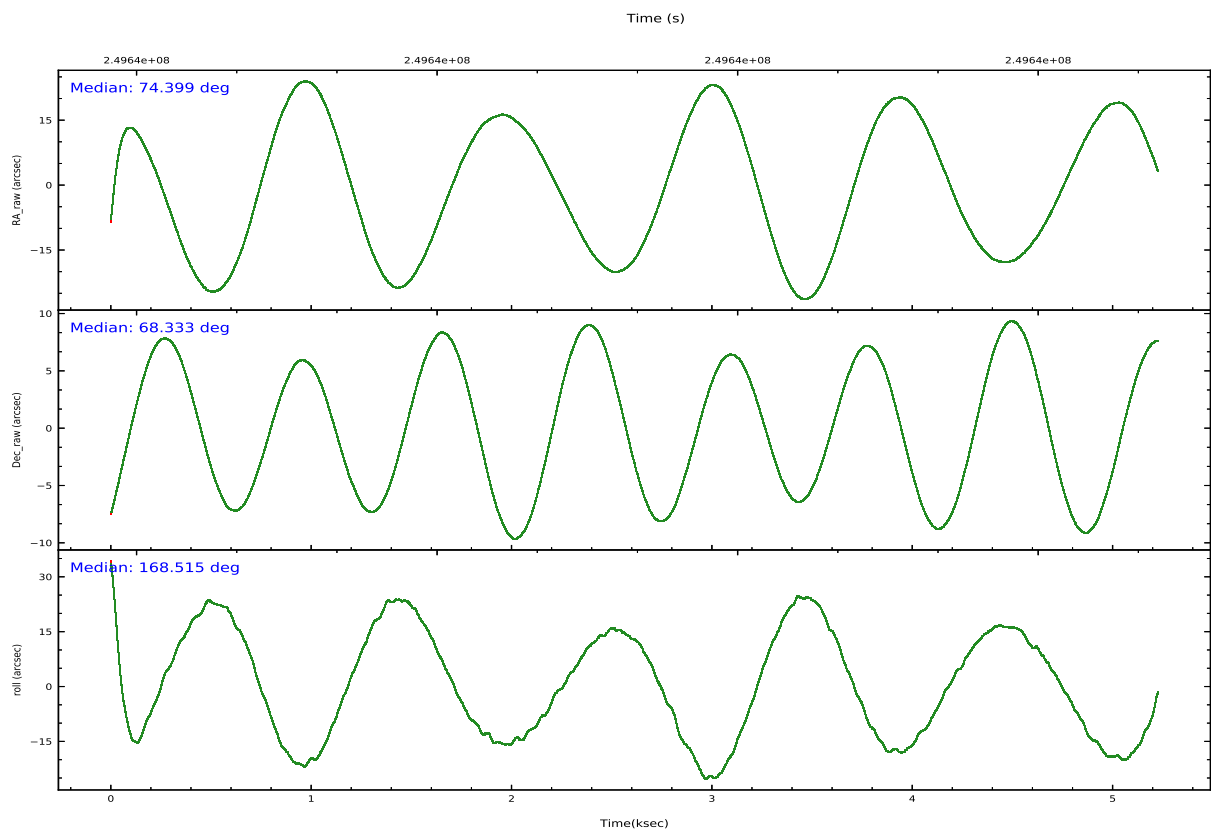
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41428	37184	62155	39822	54514	50337	grade 0 events	2074	1970	3797	1886	1891	3426
rejected events	36766	32626	33467	35012	32093	39510		5%	5%	6%	4%	3%	6%
rejected %	88%	87%	53%	87%	58%	78%	grade 1 events	20	20	926	17	51	36
								0%	0%	1%	0%	0%	0%
							grade 2 events	991	895	8291	1023	4523	2370
								2%	2%	13%	2%	8%	4%
							grade 3 events	447	456	1087	447	1996	1182
								1%	1%	1%	1%	3%	2%
							grade 4 events	407	454	1039	478	2013	1043
								0%	1%	1%	1%	3%	2%
							grade 5 events	1589	1762	4273	1859	5208	2465
								3%	4%	6%	4%	9%	4%
							grade 6 events	749	790	14522	983	12035	2819
								1%	2%	23%	2%	22%	5%
							grade 7 events	35151	30837	28220	33129	26797	36996
								84%	82%	45%	83%	49%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	74.467751	74.405711854145	Subarray requested	NONE	NONE
[deg] Pointing Dec	68.341801	68.335330047979	Alternating exposures requested	N	N
[deg] Pointing Roll	168.295516	168.5146342419	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249637119.184000	249636128.17276			
Observation start date	2005-11-29T07:37:35	2005-11-29T07:22:08			
[s] Observation end time (MET)	249642099.184000	249642969.53558			
Observation end date	2005-11-29T09:00:35	2005-11-29T09:16:09			
Read mode	TIMED	TIMED			

2.3 Aspect



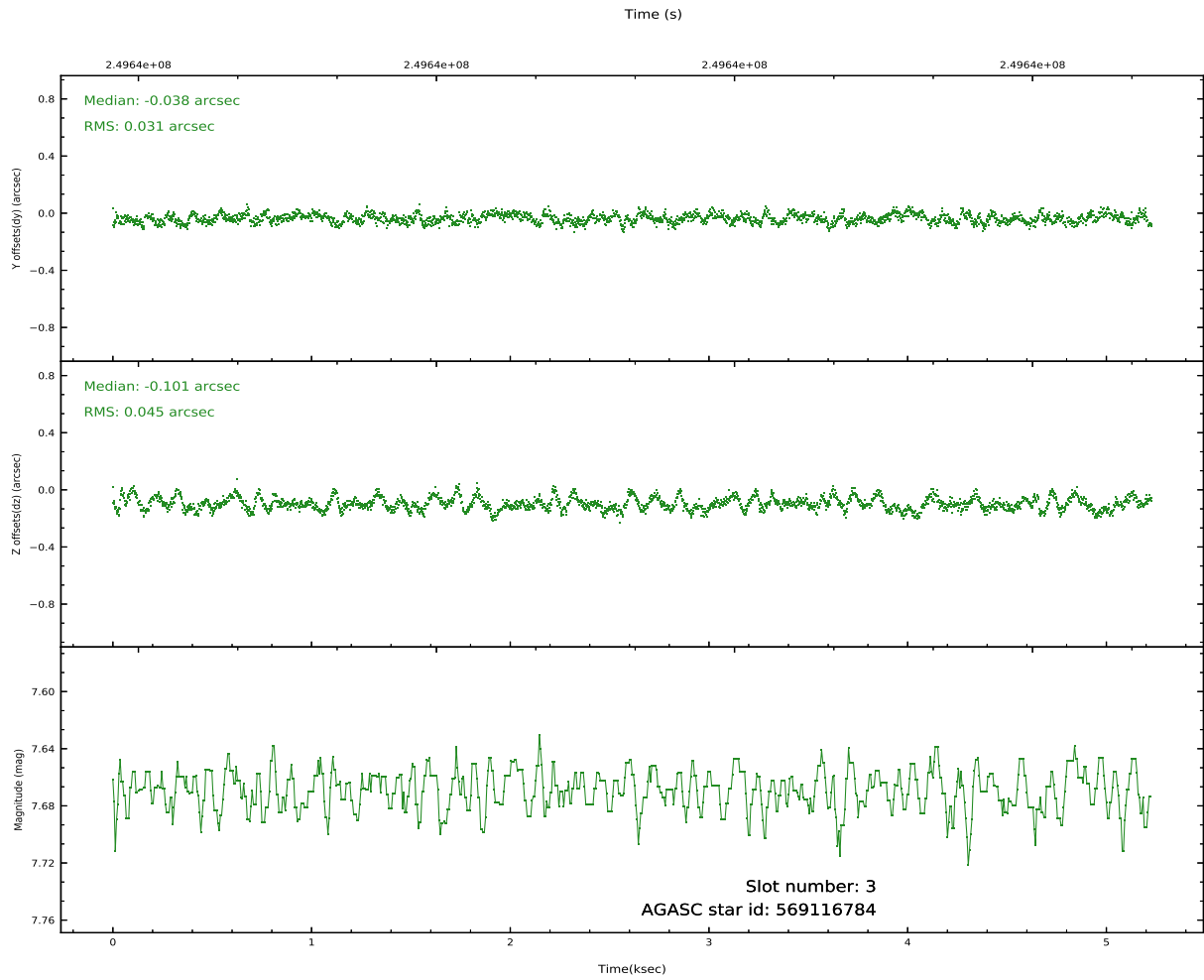
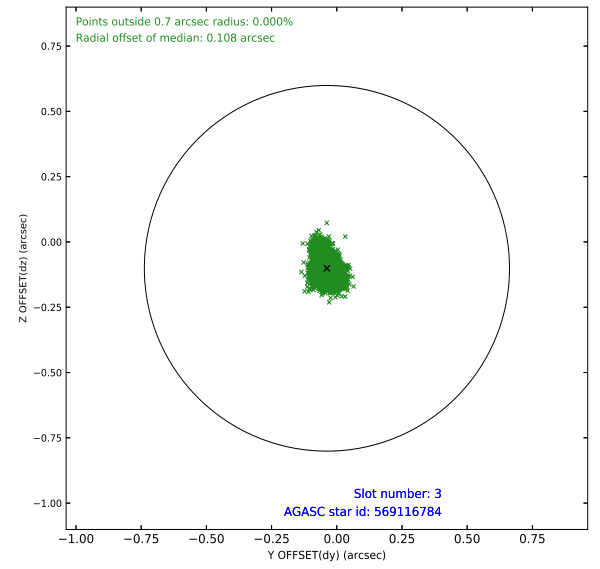
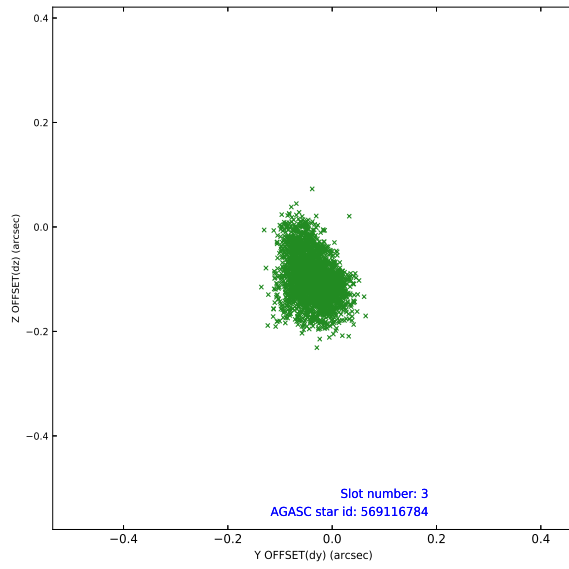


Slot Statistics

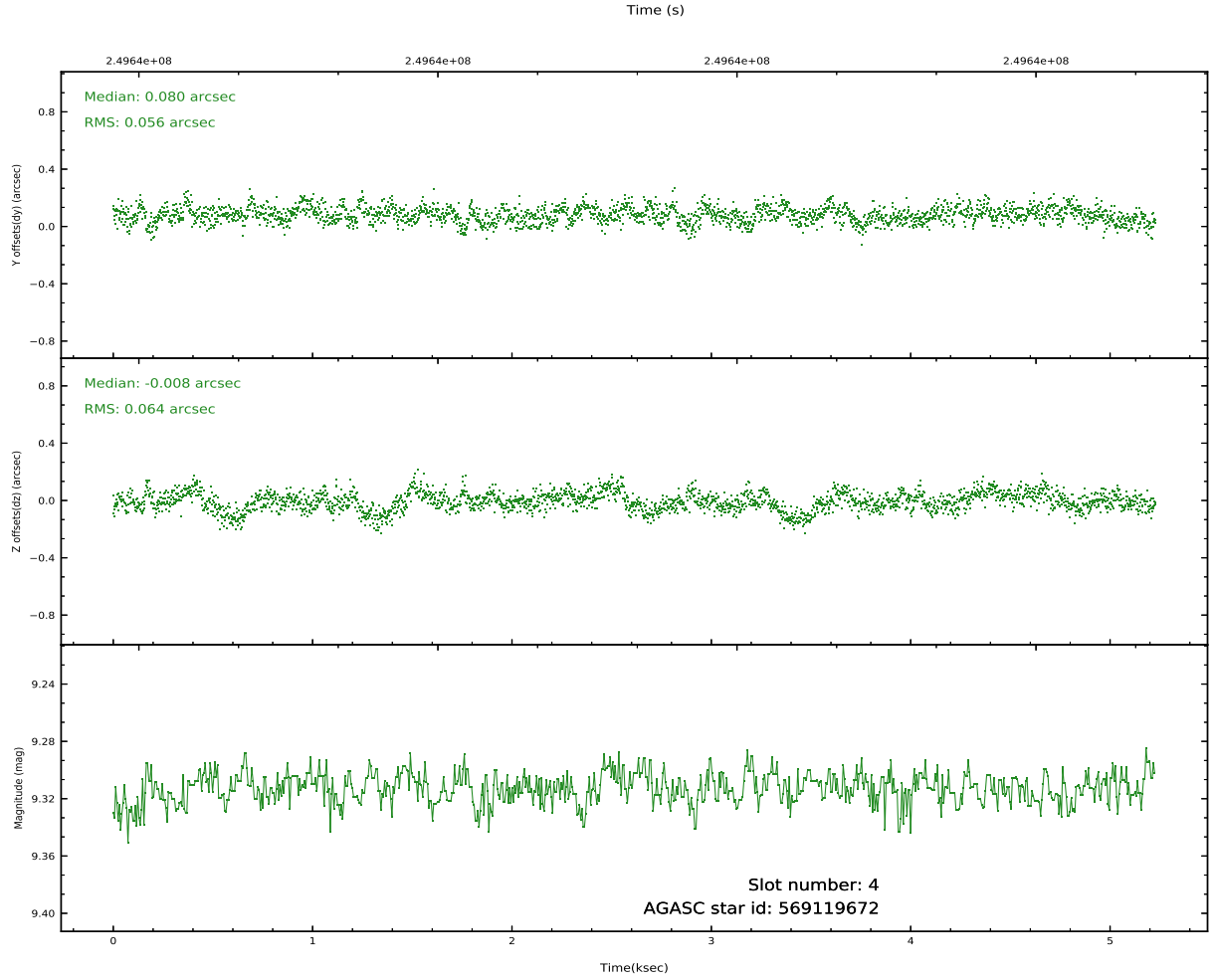
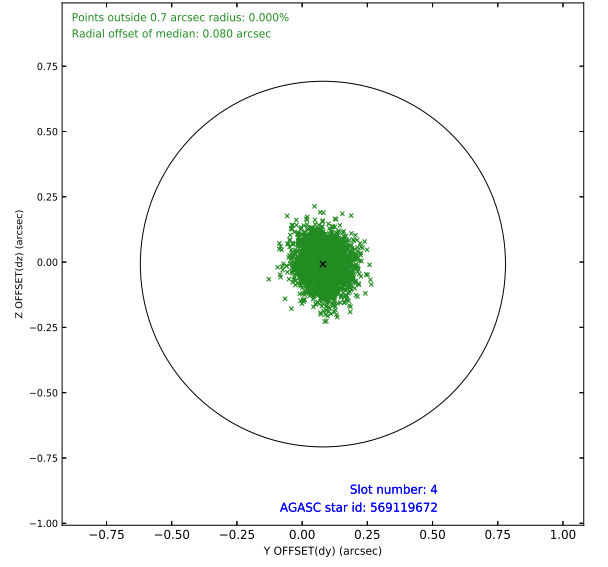
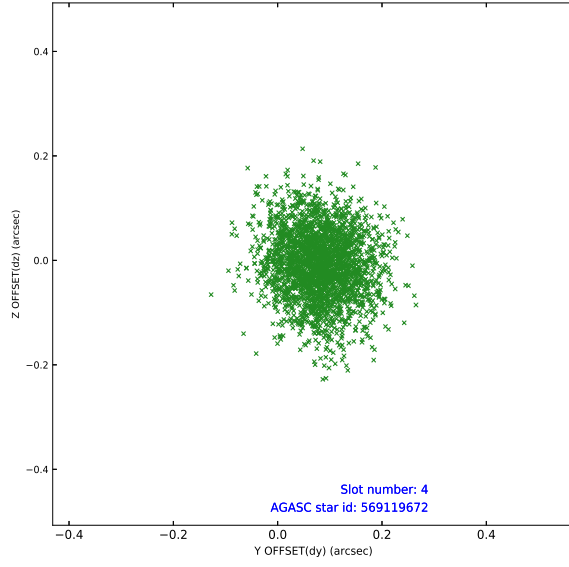
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1276	1.000	0.057	-0.097	0.007	0.014	0.000000	0.000000	935.84	-1727
1	FID		ACIS-S-5	7.24	1276	1.000	-0.118	0.021	0.007	0.012	0.000000	0.000000	-1812.72	169
2	FID		ACIS-S-6	7.35	1276	1.000	0.039	0.088	0.008	0.013	0.000000	0.000000	400.08	814
3	GUIDE	used	569116784	7.67	2551	1.000	-0.038	-0.101	0.058	0.096	74.448100	67.776092	-386.90	1999
4	GUIDE	used	569119672	9.31	2550	1.000	0.080	-0.008	0.090	0.149	73.242551	68.215689	1514.20	761
5	GUIDE	used	569119800	6.96	2551	1.000	-0.043	-0.092	0.050	0.078	73.460240	68.218866	1230.88	696
6	GUIDE	used	569120000	8.01	2551	1.000	0.101	-0.015	0.060	0.098	74.977137	68.548112	-504.34	-865
7	GUIDE	used	569123560	9.20	2547	1.000	-0.104	0.210	0.101	0.164	74.223370	68.938468	745.93	-2039

2.4 Star Slots

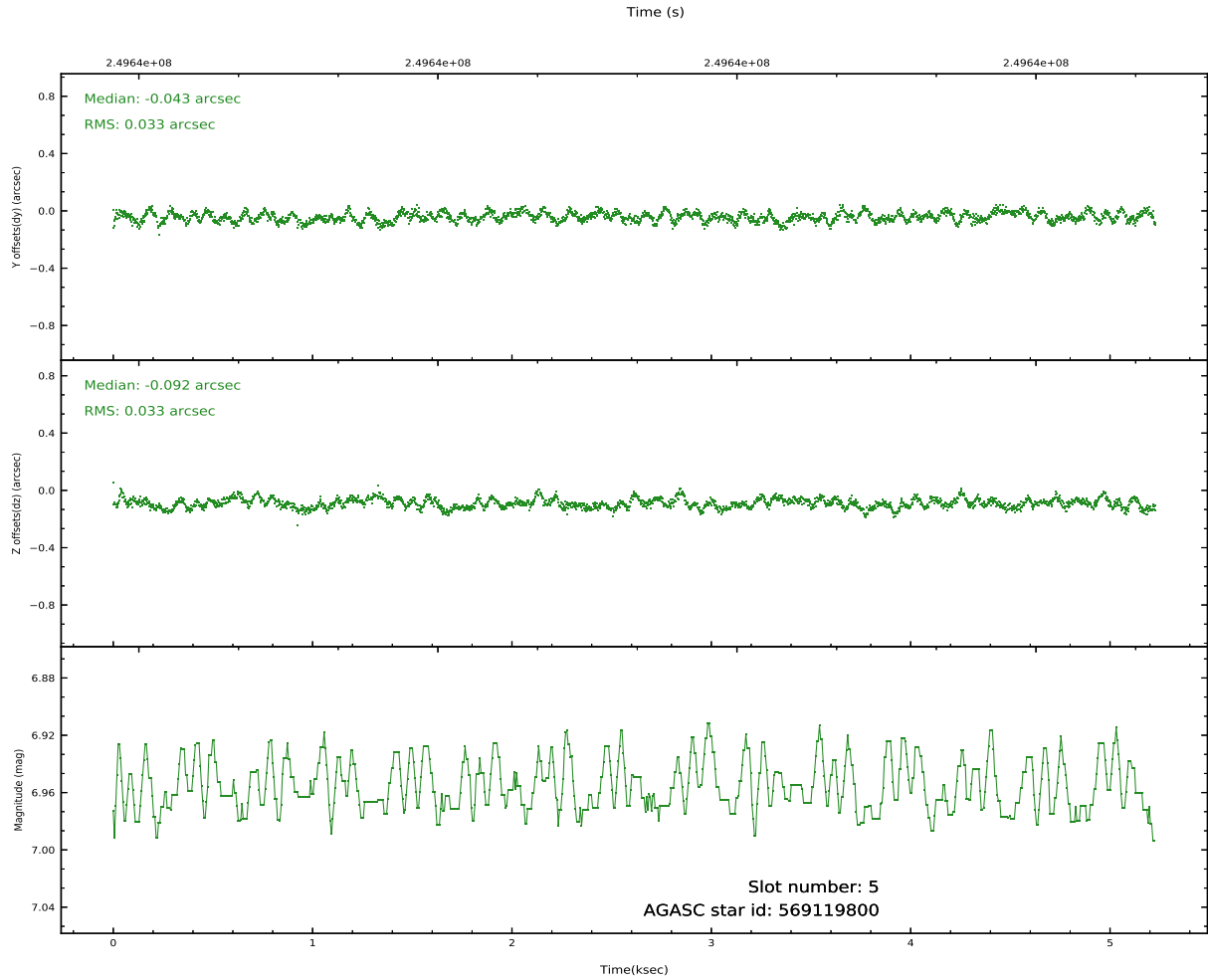
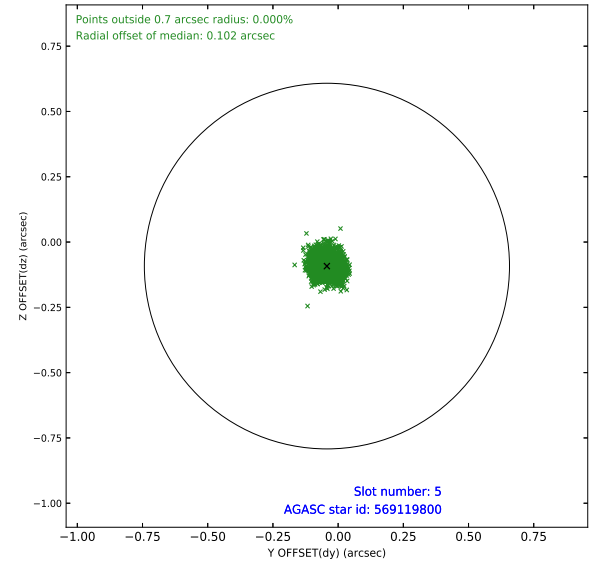
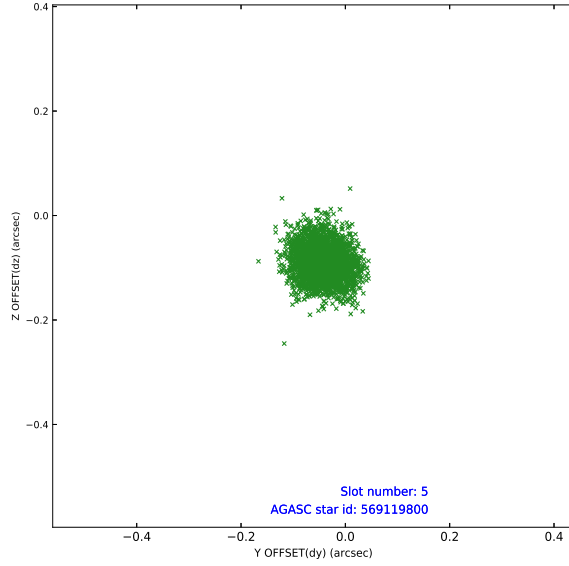
2.4.1 Slot 3



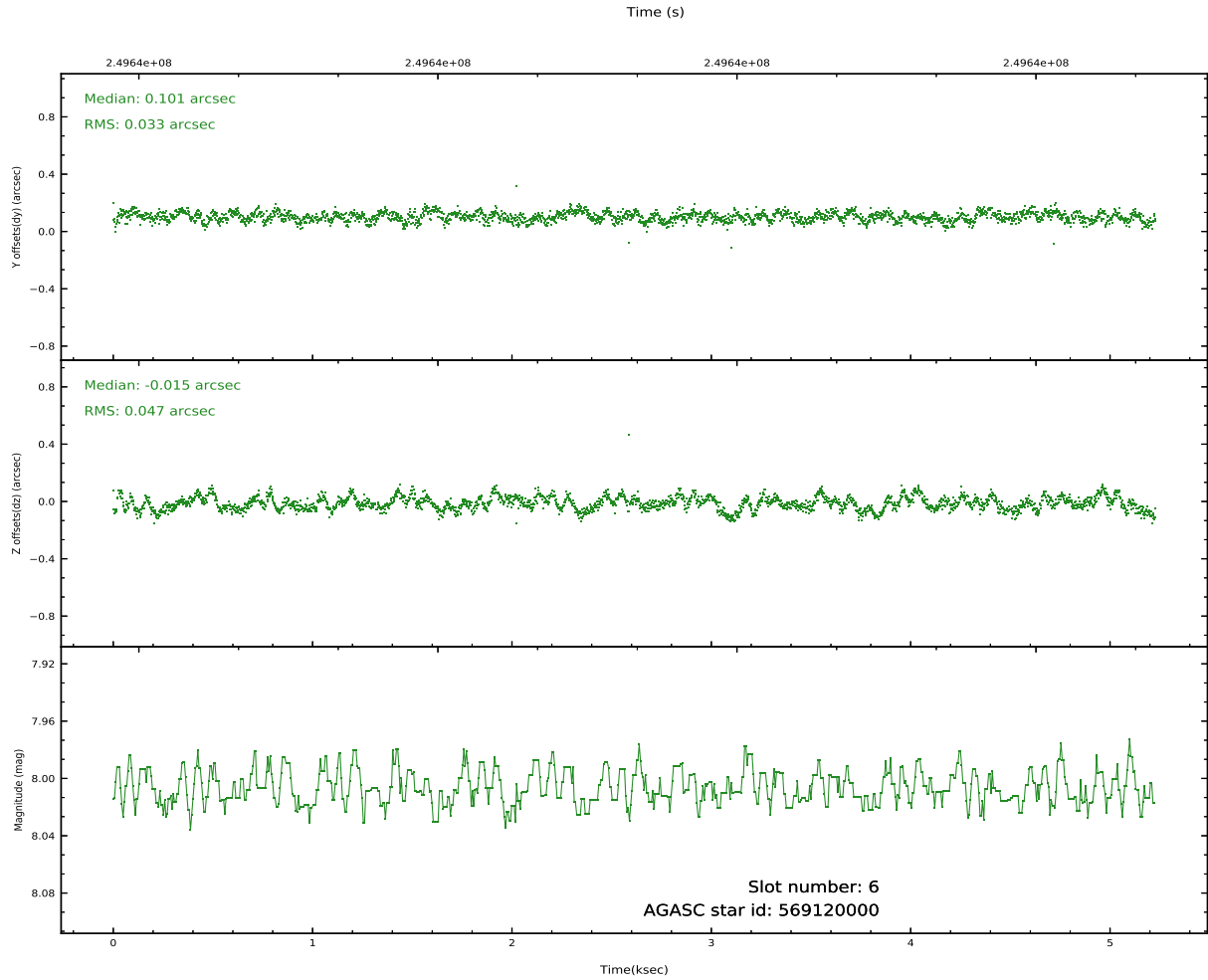
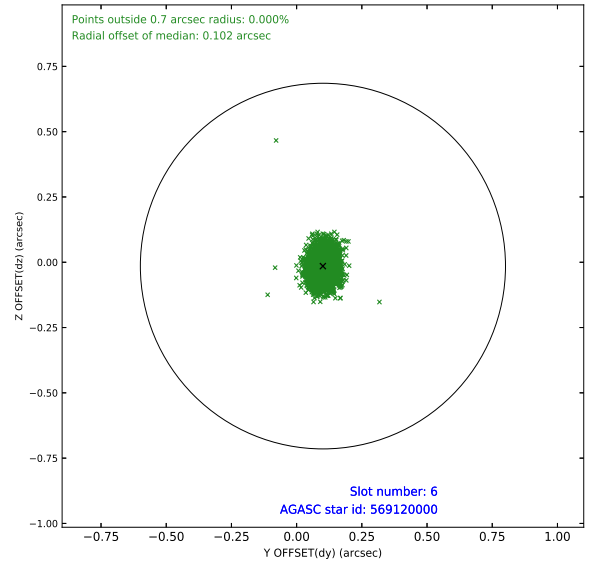
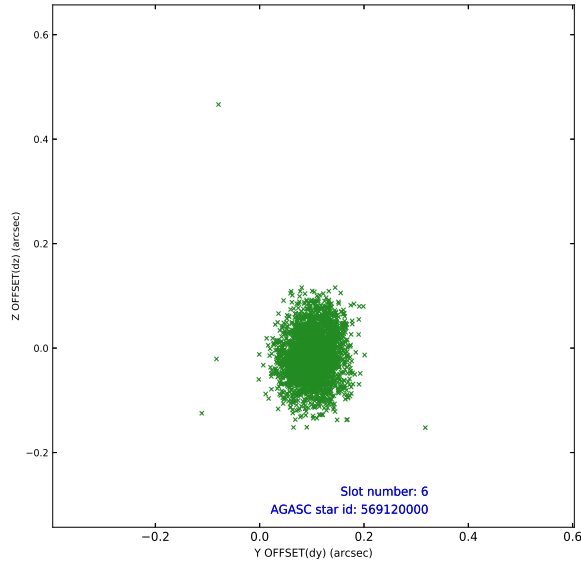
2.4.2 Slot 4



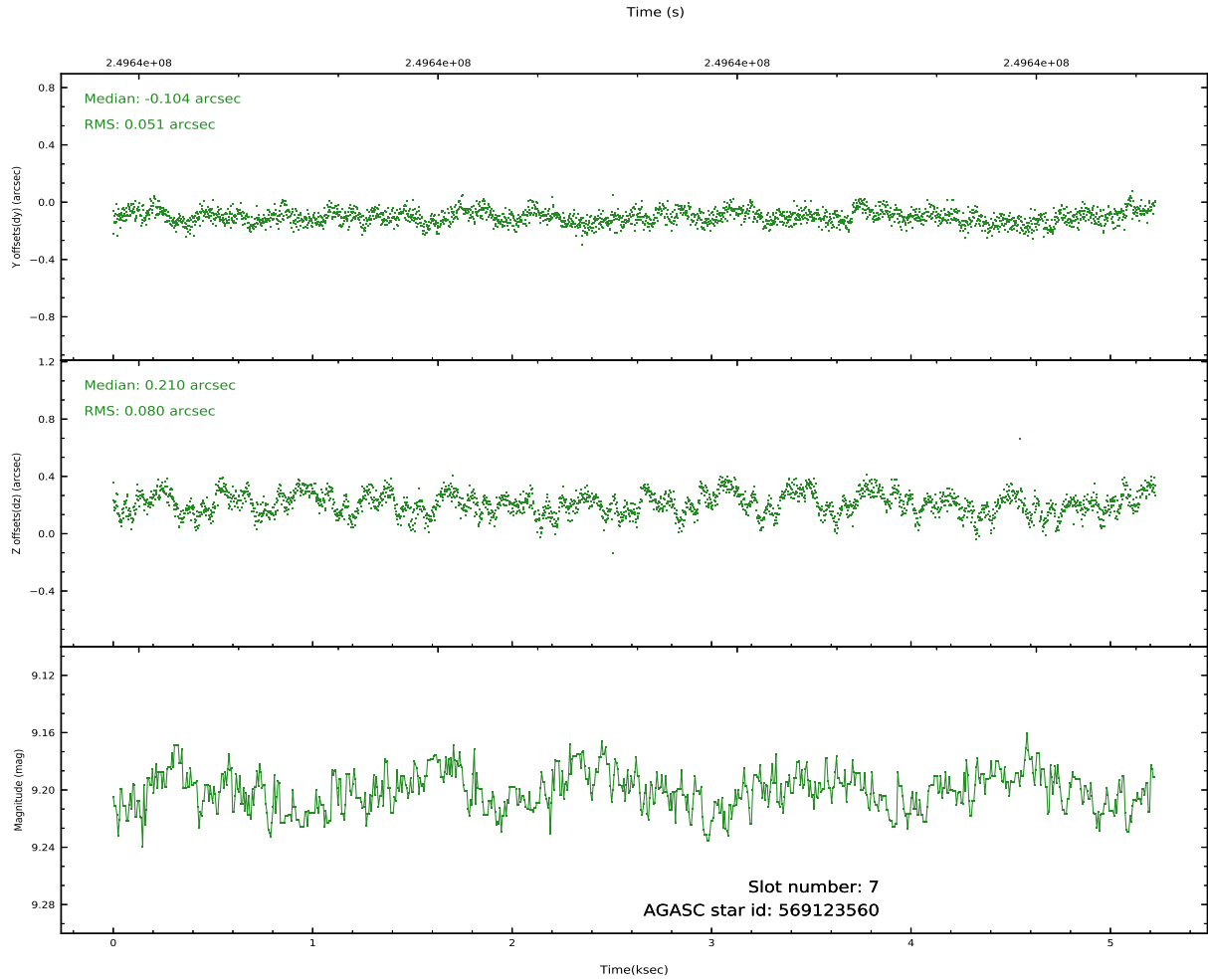
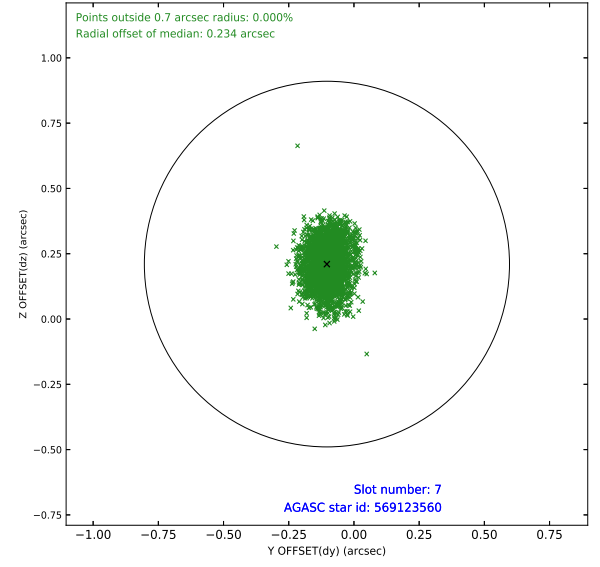
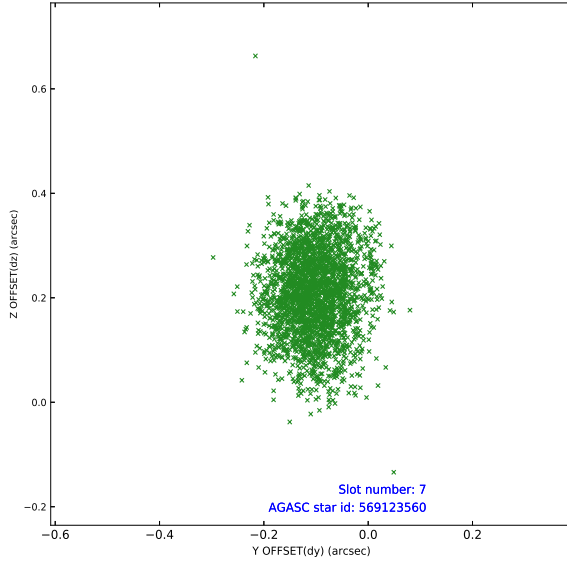
2.4.3 Slot 5



2.4.4 Slot 6

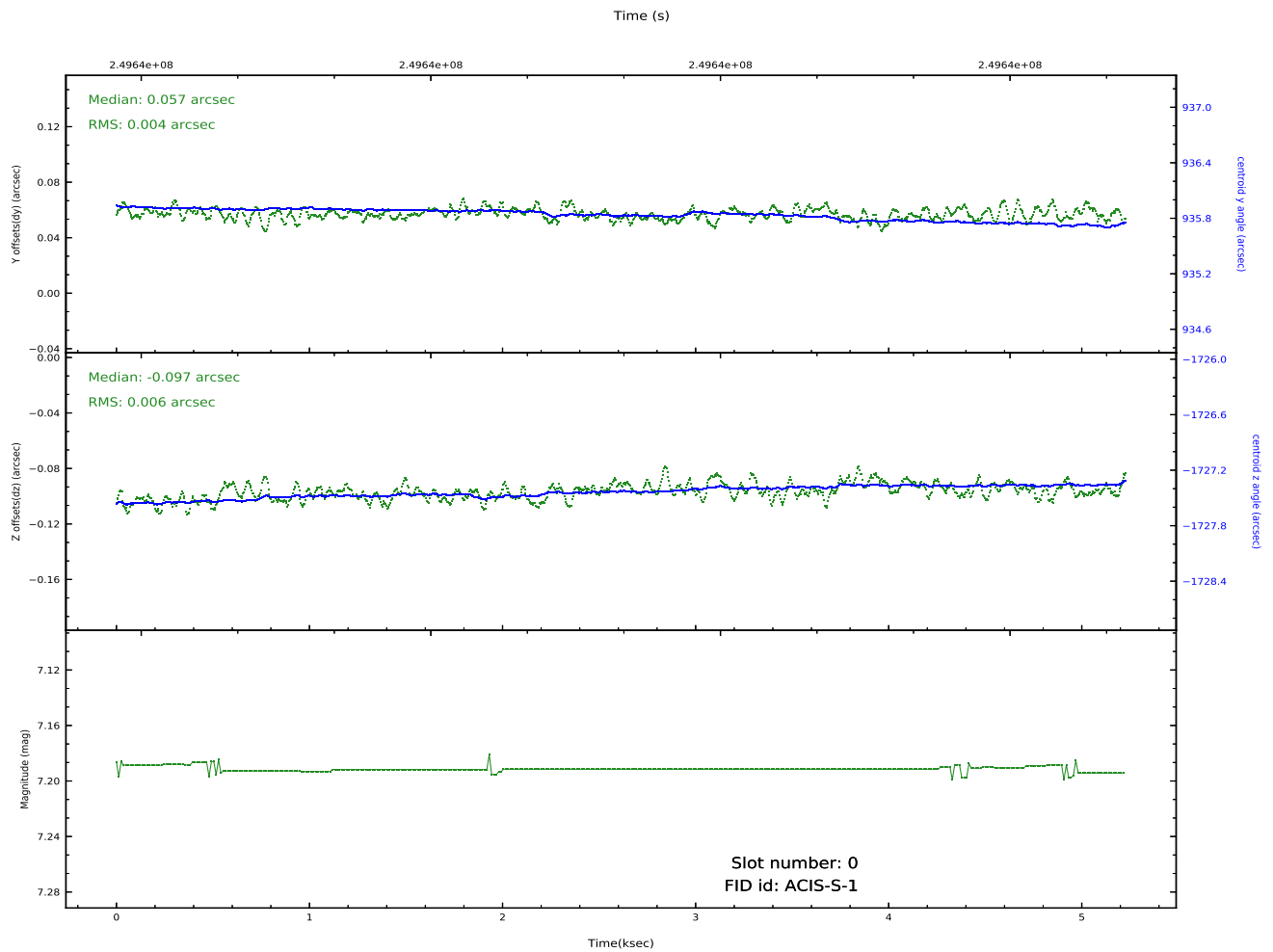
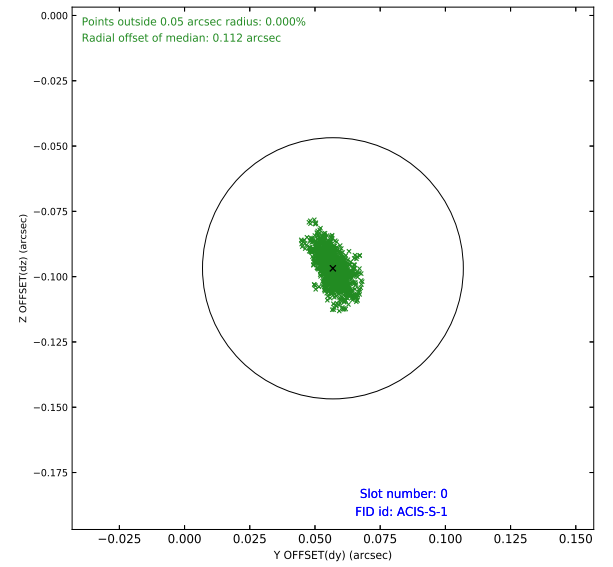
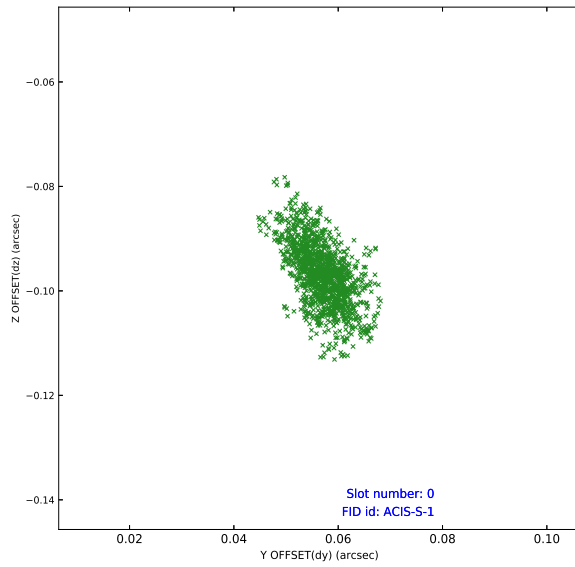


2.4.5 Slot 7

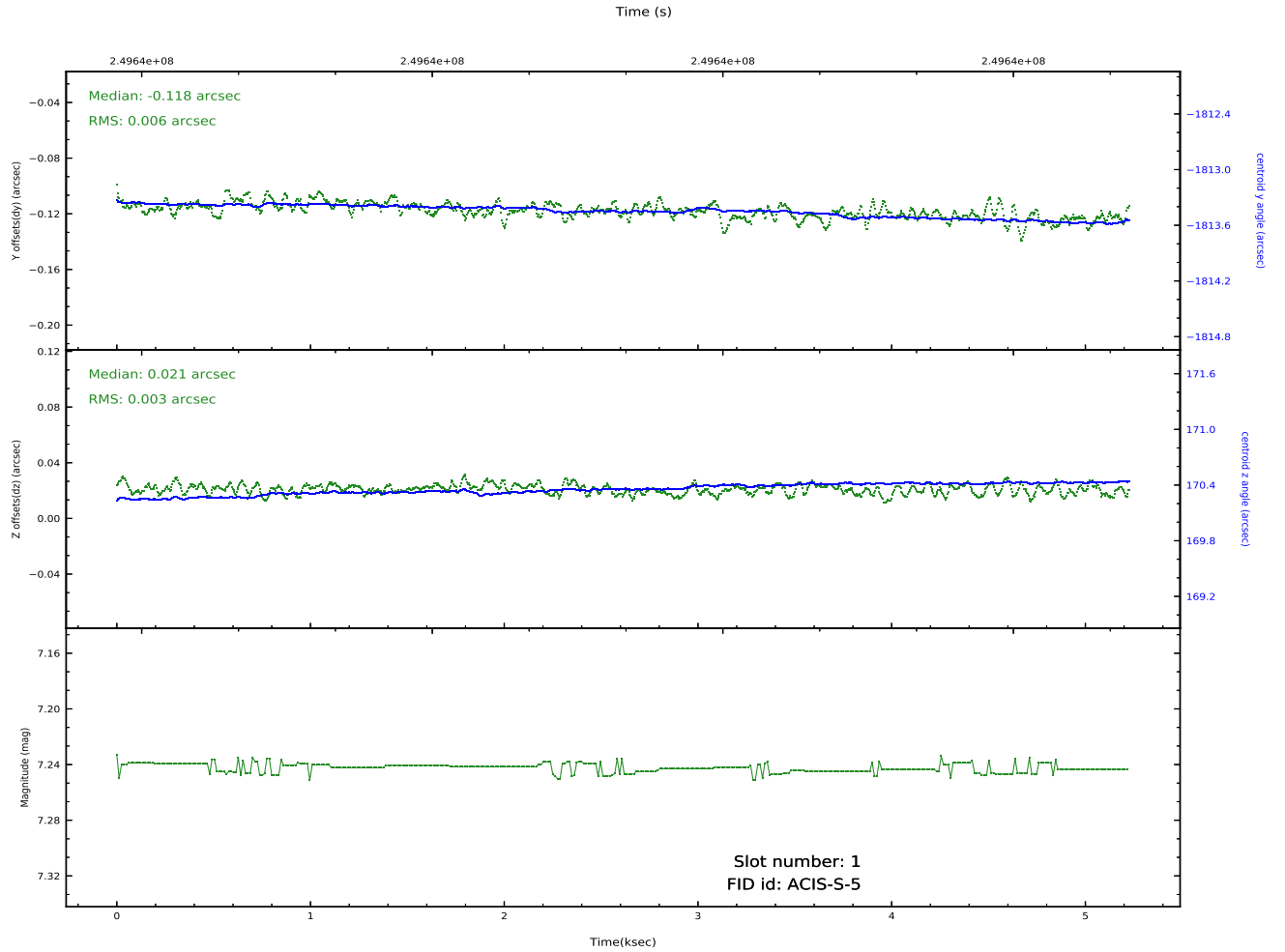
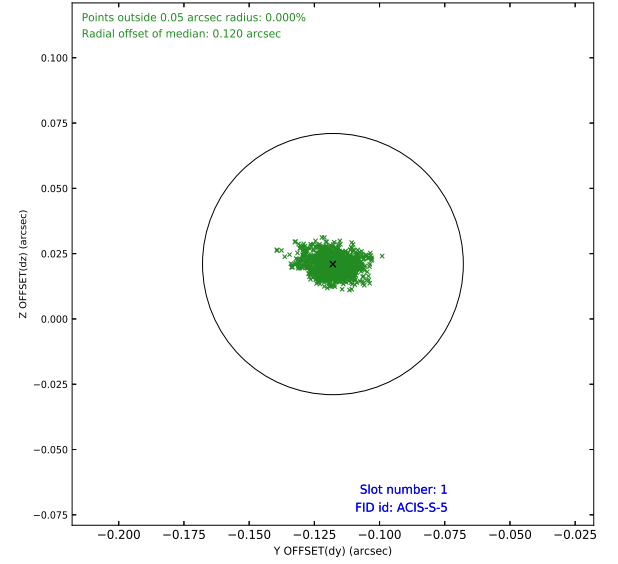
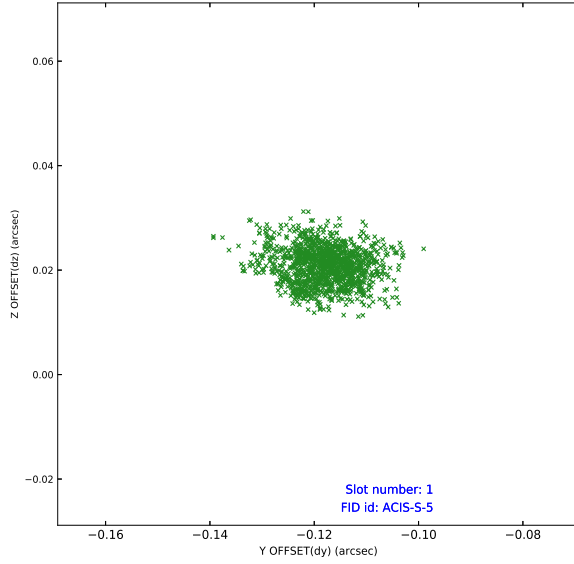


2.5 FID Slots

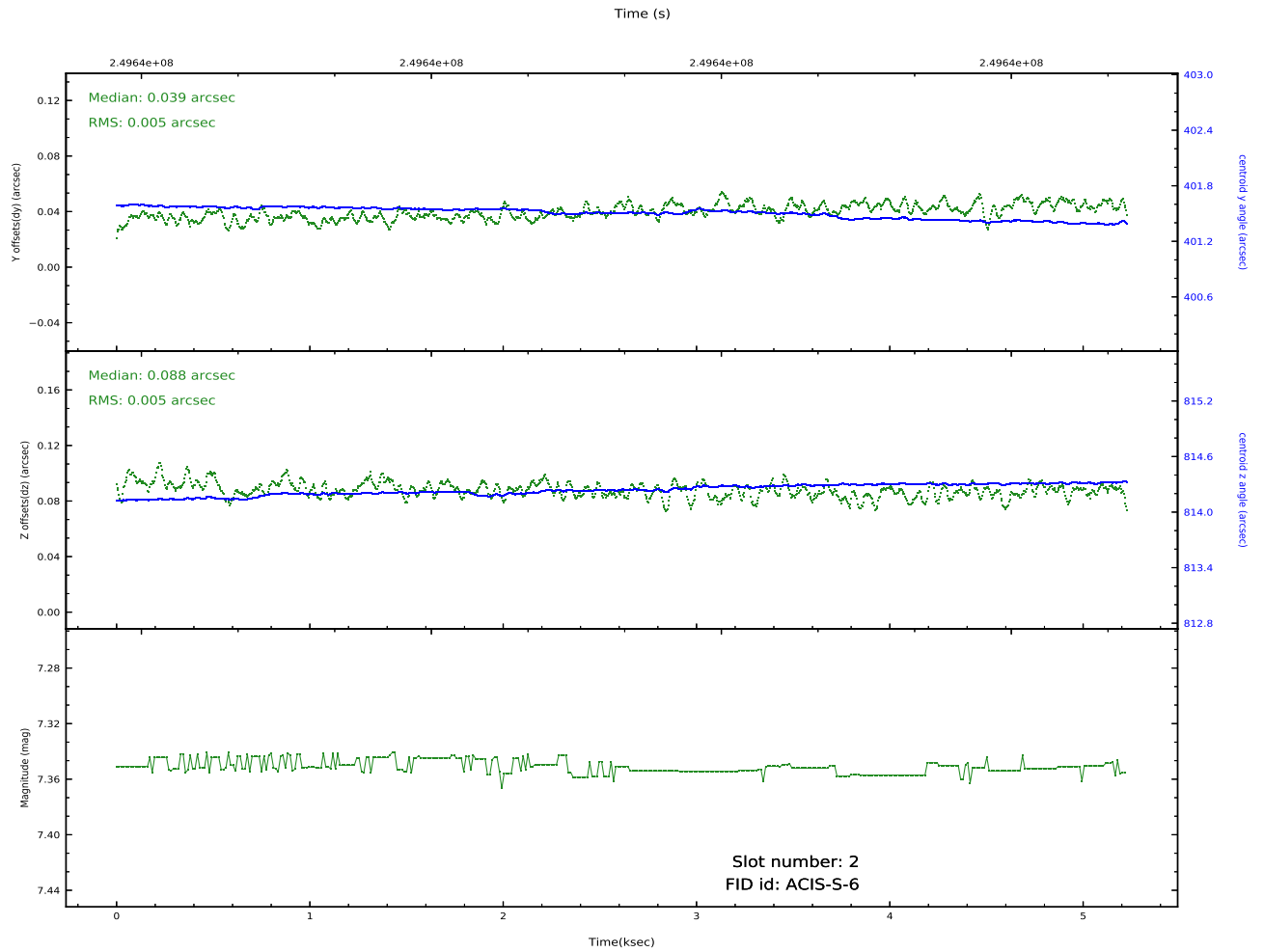
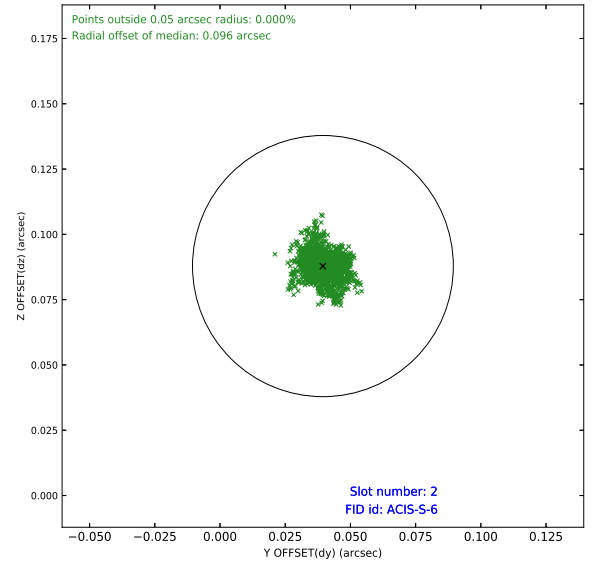
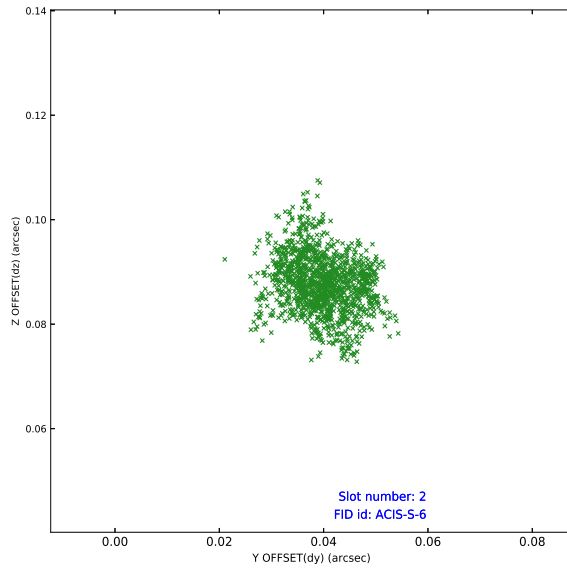
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.931199

A.2 Comments