

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7113 - L2 Version 3
Chandra X-Ray Center

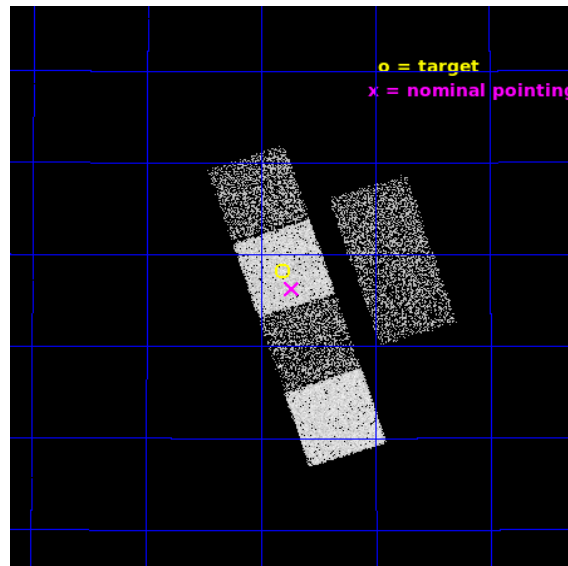
L2 Processing Date : Oct 11 2020

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1 Front

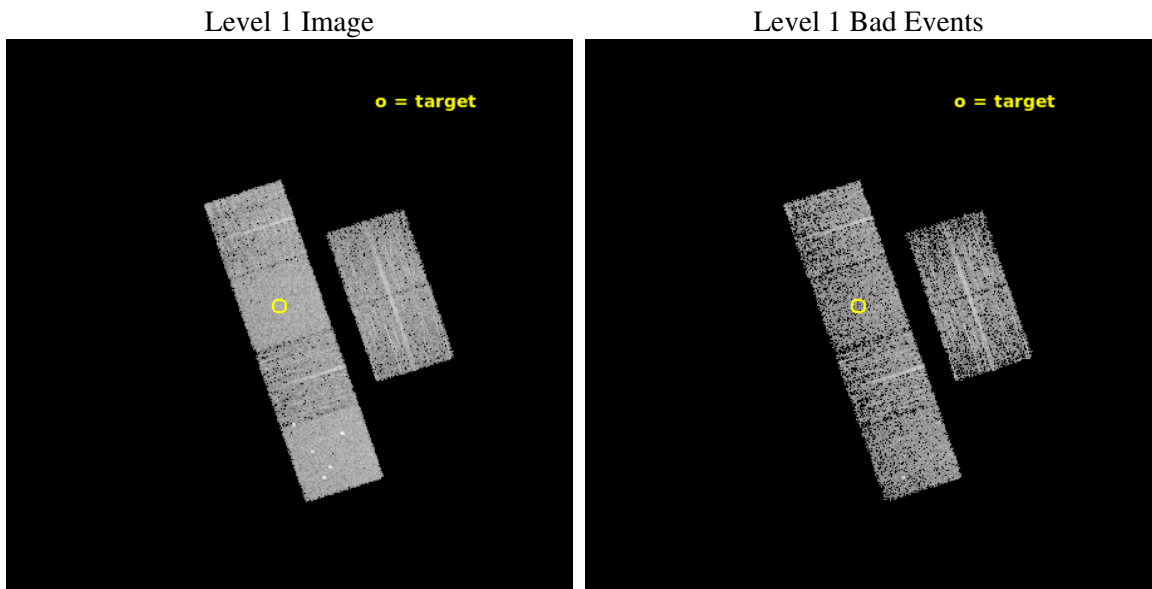
seq_num	600551	Sequence number
obs_id	7113	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 0949	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.7025	Observer's specified target RA [deg]
dec_targ	37.136694	Observer's specified target Dec [deg]
ra_nom	37.682850204741	Nominal RA [deg]
dec_nom	37.104883815926	Nominal Dec [deg]
roll_nom	251.6815374008	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2732.7999898195	Sum of GTIs [s]
livetime	2698.1956308538	Livetime [s]
ontime2	2732.7999898195	Sum of GTIs [s]
ontime3	2732.7999898195	Sum of GTIs [s]
ontime5	2732.7999898195	Sum of GTIs [s]
ontime6	2732.7999898195	Sum of GTIs [s]
ontime7	2732.7999898195	Sum of GTIs [s]
ontime8	2732.7999898195	Sum of GTIs [s]
l2events	35164	Number of level 2 events



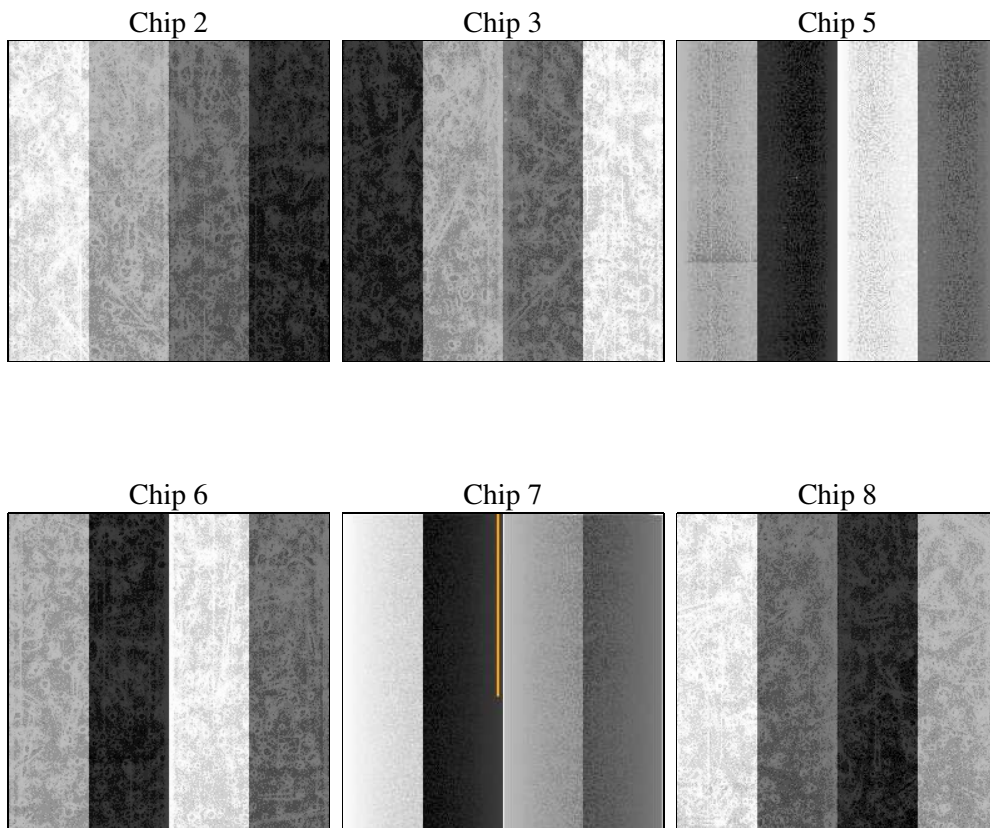
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2550.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2732.7999898195	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	2732.7999898195	Sum of GTIs [s]
date	2020-10-12T02:35:15	Date and time of file creation	ontime3	2732.7999898195	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2732.7999898195	Sum of GTIs [s]
			ontime6	2732.7999898195	Sum of GTIs [s]
			ontime7	2732.7999898195	Sum of GTIs [s]
			ontime8	2732.7999898195	Sum of GTIs [s]
			l1events	173618	Number of level 1 events

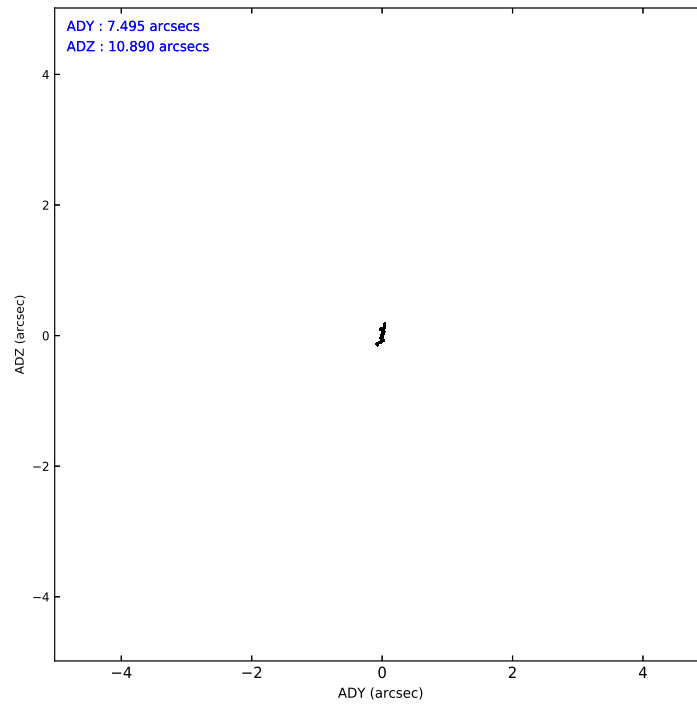
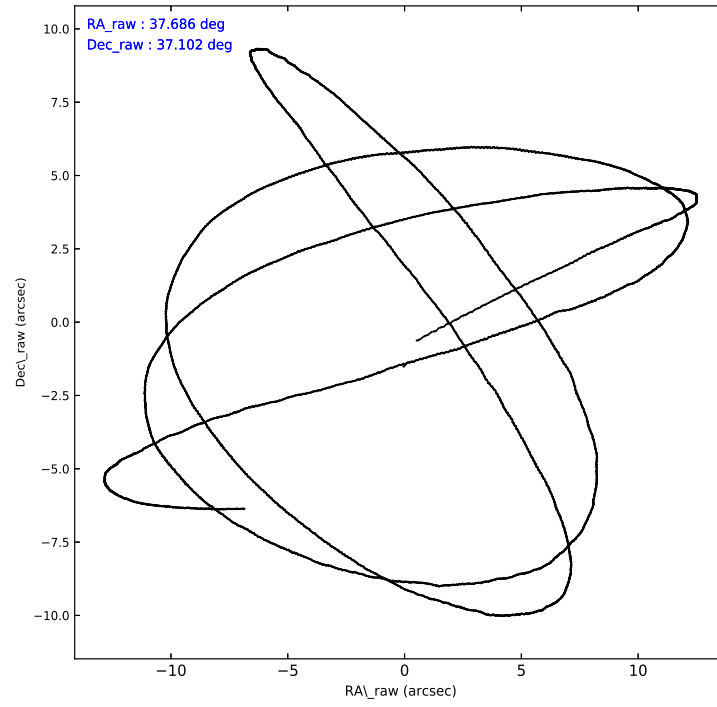
2.1.4 Events

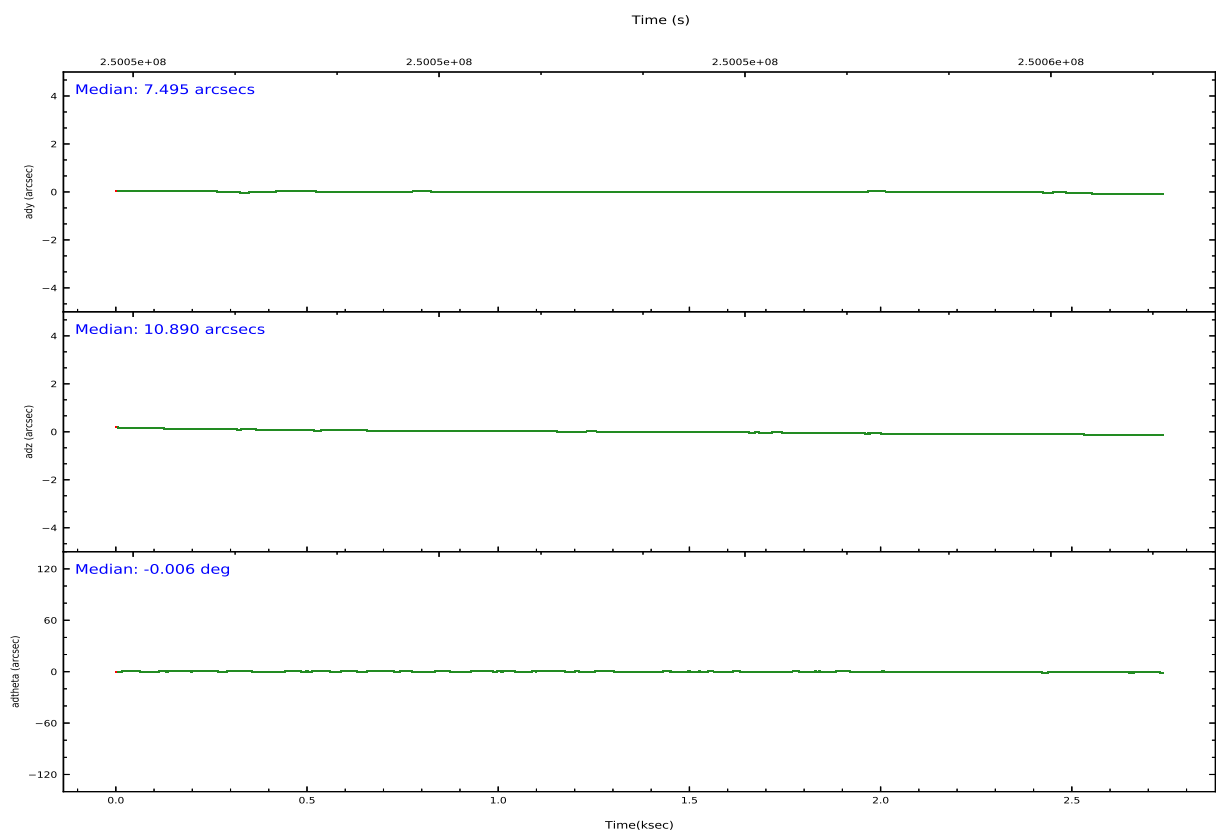
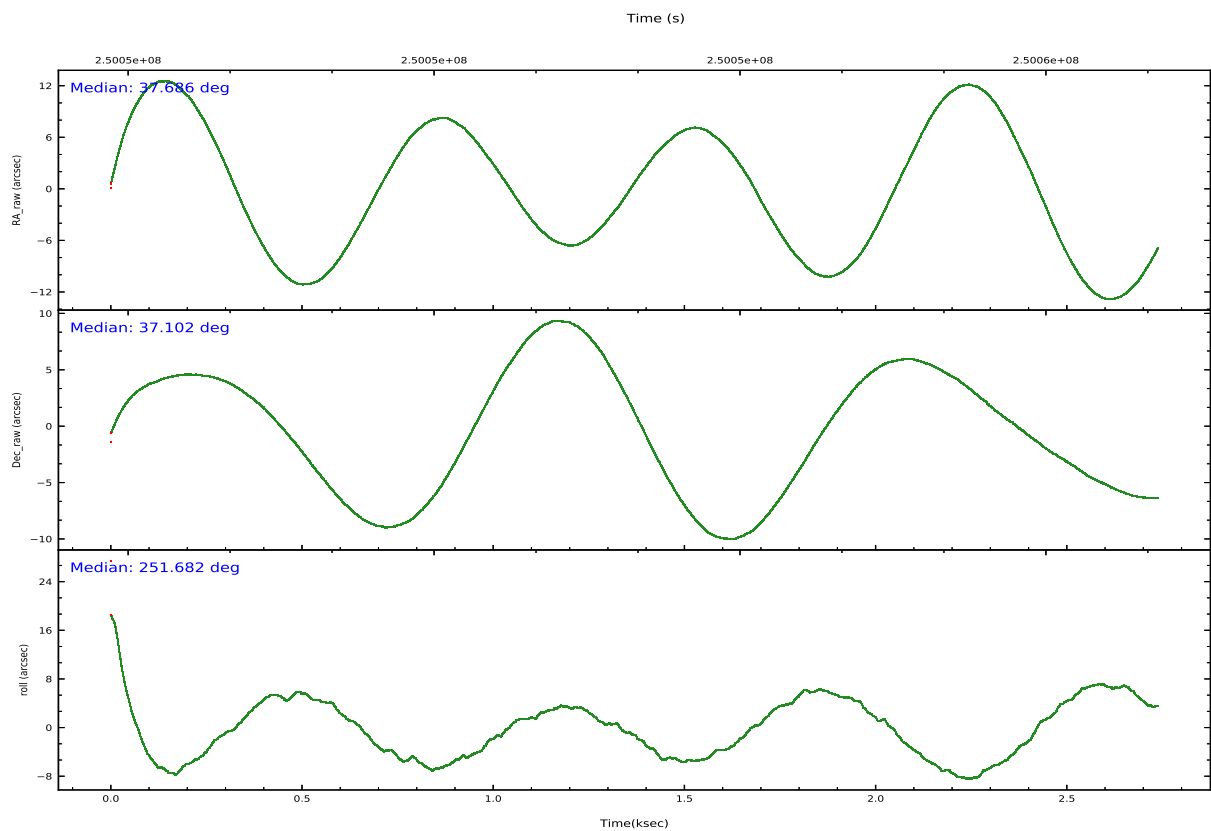
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25440	23195	38148	24465	33018	29352	grade 0 events	1290	1208	2651	1112	1179	2093
rejected events	22886	20619	21808	21912	20767	23469		5%	5%	6%	4%	3%	7%
rejected %	89%	88%	57%	89%	62%	79%	grade 1 events	14	10	62	9	37	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	571	547	5148	616	2743	1408
								2%	2%	13%	2%	8%	4%
							grade 3 events	264	292	702	255	1140	754
								1%	1%	1%	1%	3%	2%
							grade 4 events	261	306	619	271	1176	650
								1%	1%	1%	1%	3%	2%
							grade 5 events	961	1104	2766	1142	3152	1409
								3%	4%	7%	4%	9%	4%
							grade 6 events	437	502	8973	604	7293	1581
								1%	2%	23%	2%	22%	5%
							grade 7 events	21642	19226	17227	20456	16298	21441
								85%	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	37.678294	37.682850204741	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.128385	37.104883815926	Alternating exposures requested	N	N
[deg] Pointing Roll	251.530647	251.6815374008	[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)	250052945.184000	250051724.17947			
Observation start date	2005-12-04T03:08:01	2005-12-04T02:48:44			
[s] Observation end time (MET)	250055495.184000	250055696.05466			
Observation end date	2005-12-04T03:50:31	2005-12-04T03:54:56			
Read mode	TIMED	TIMED			

2.3 Aspect



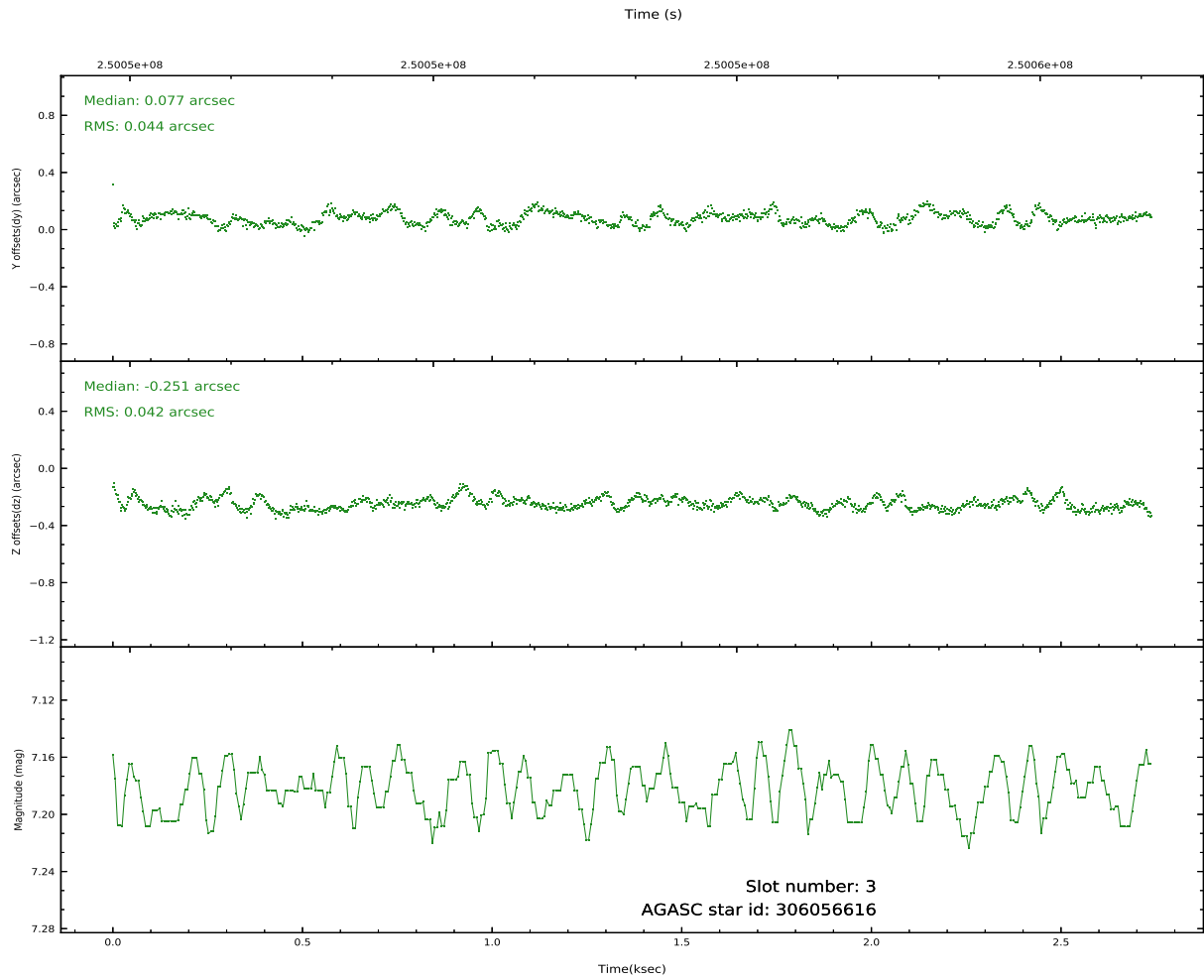
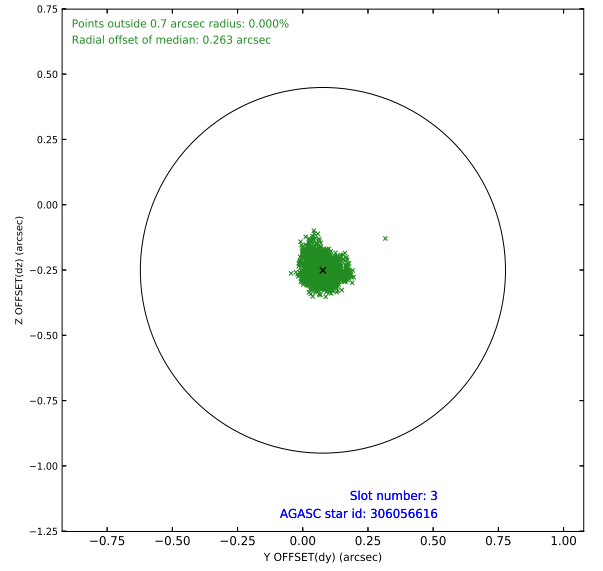
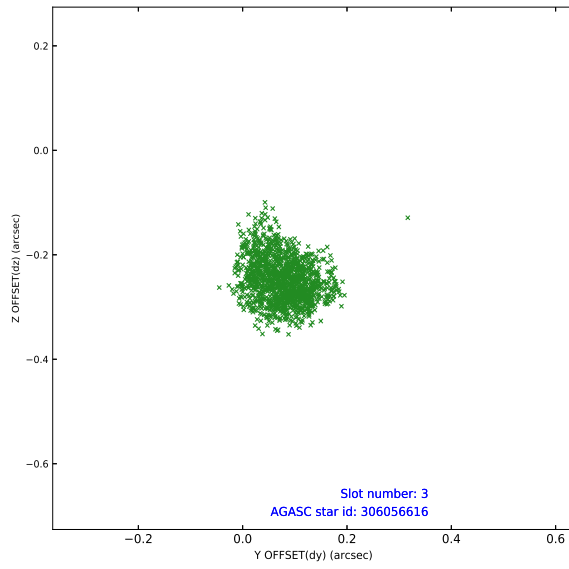


Slot Statistics

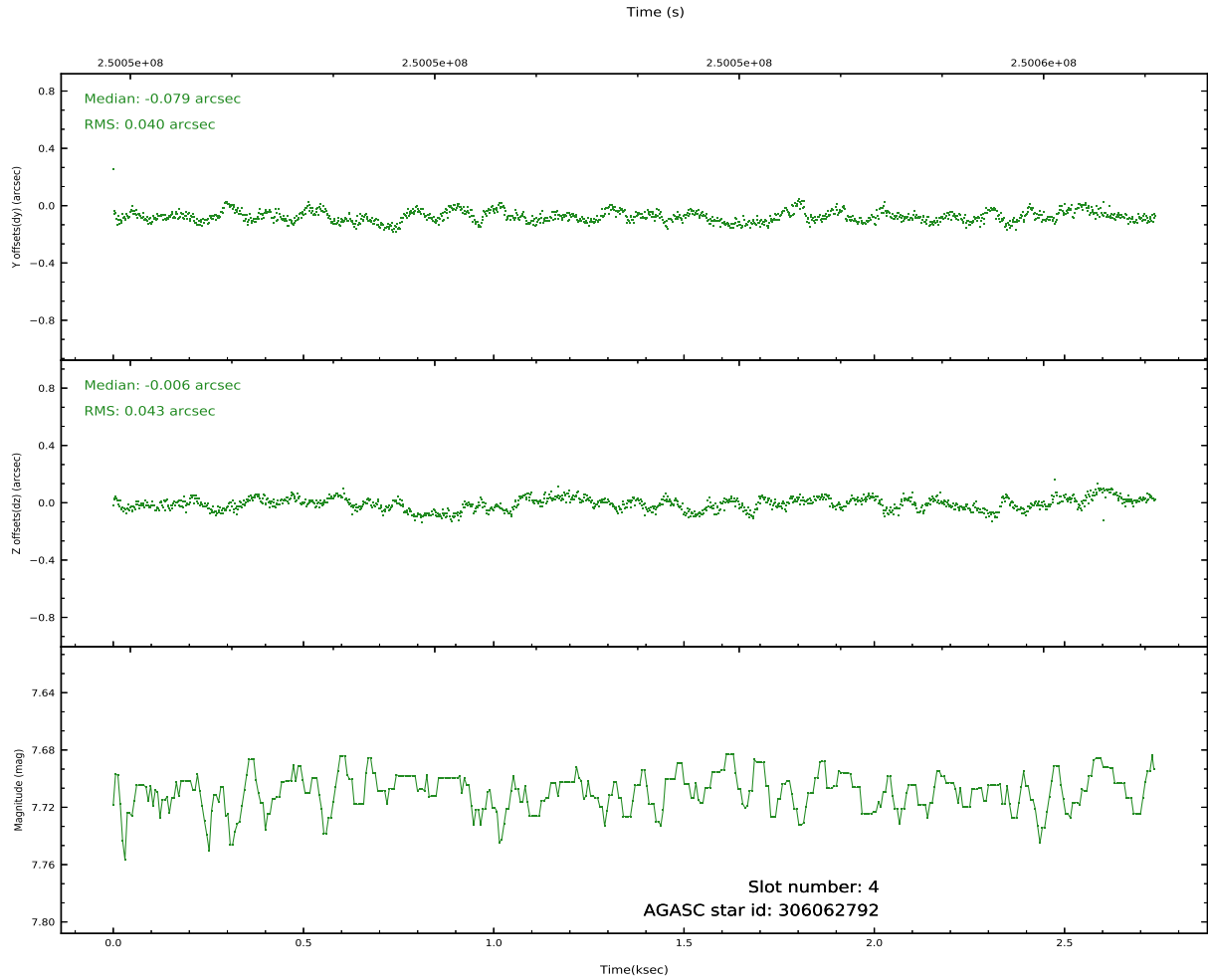
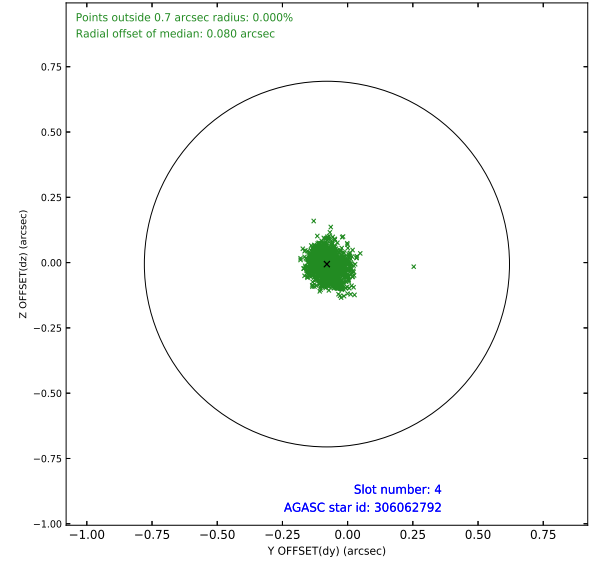
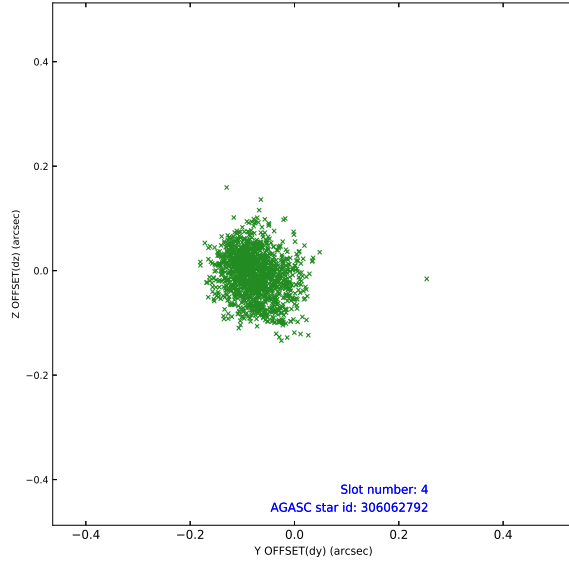
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	669	1.000	0.010	-0.106	0.008	0.013	0.000000	0.000000	935.82	-1727
1	FID		ACIS-S-4	7.21	669	1.000	0.120	0.073	0.007	0.011	0.000000	0.000000	2154.60	174
2	FID		ACIS-S-5	7.24	669	1.000	-0.157	0.045	0.006	0.010	0.000000	0.000000	-1810.24	170
3	GUIDE	used	306056616	7.18	1337	1.000	0.077	-0.251	0.065	0.101	37.281184	37.329736	-328.98	-1308
4	GUIDE	used	306062792	7.71	1337	1.000	-0.079	-0.006	0.063	0.100	38.232538	37.333625	-1207.75	1268
5	GUIDE	used	306067192	6.05	1337	1.000	-0.077	0.036	0.047	0.086	36.812013	36.967305	1328.32	-2182
6	GUIDE	used	306067960	8.93	1337	1.000	0.080	0.090	0.073	0.119	38.187538	36.521033	1604.56	2087
7	GUIDE	used	306191648	9.09	1335	1.000	0.002	0.130	0.069	0.117	38.355104	37.225519	-951.58	1728

2.4 Star Slots

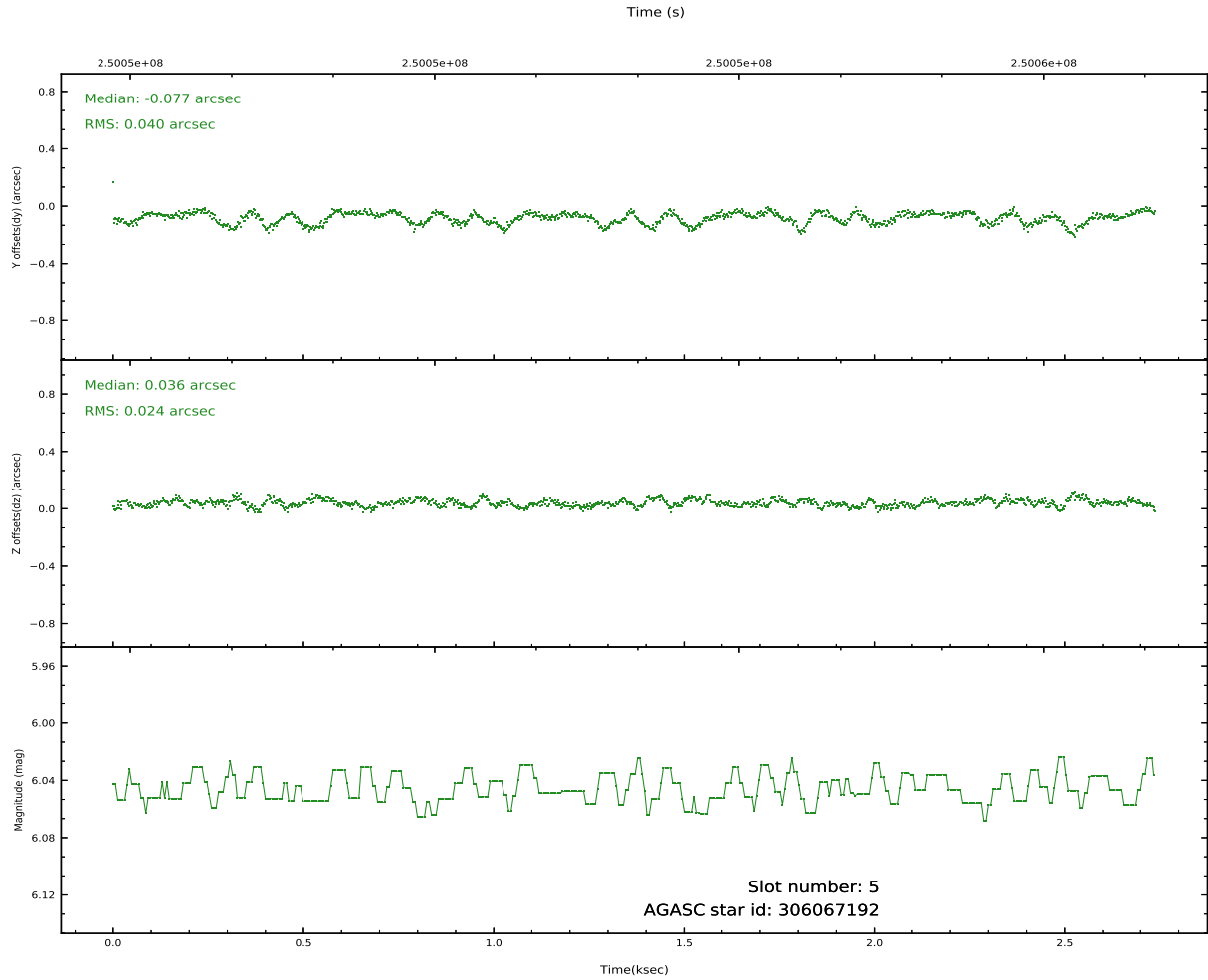
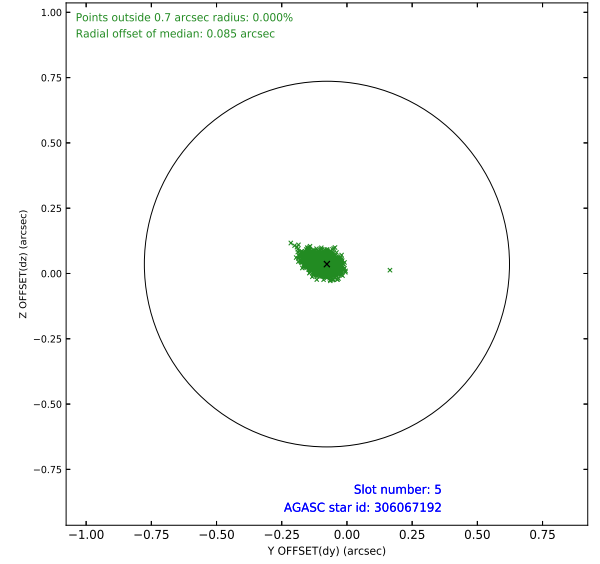
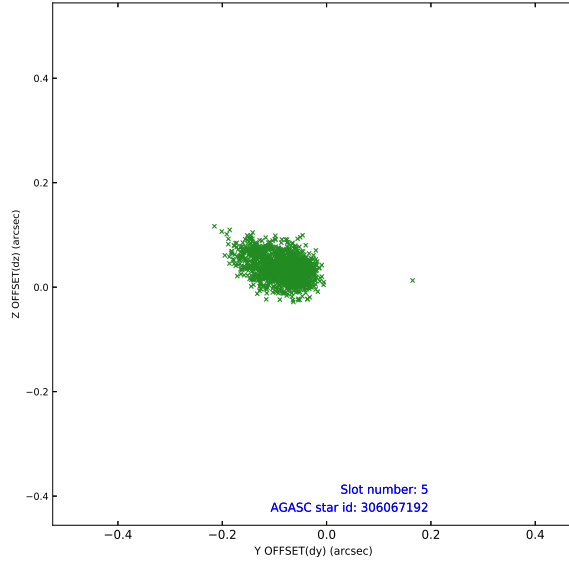
2.4.1 Slot 3



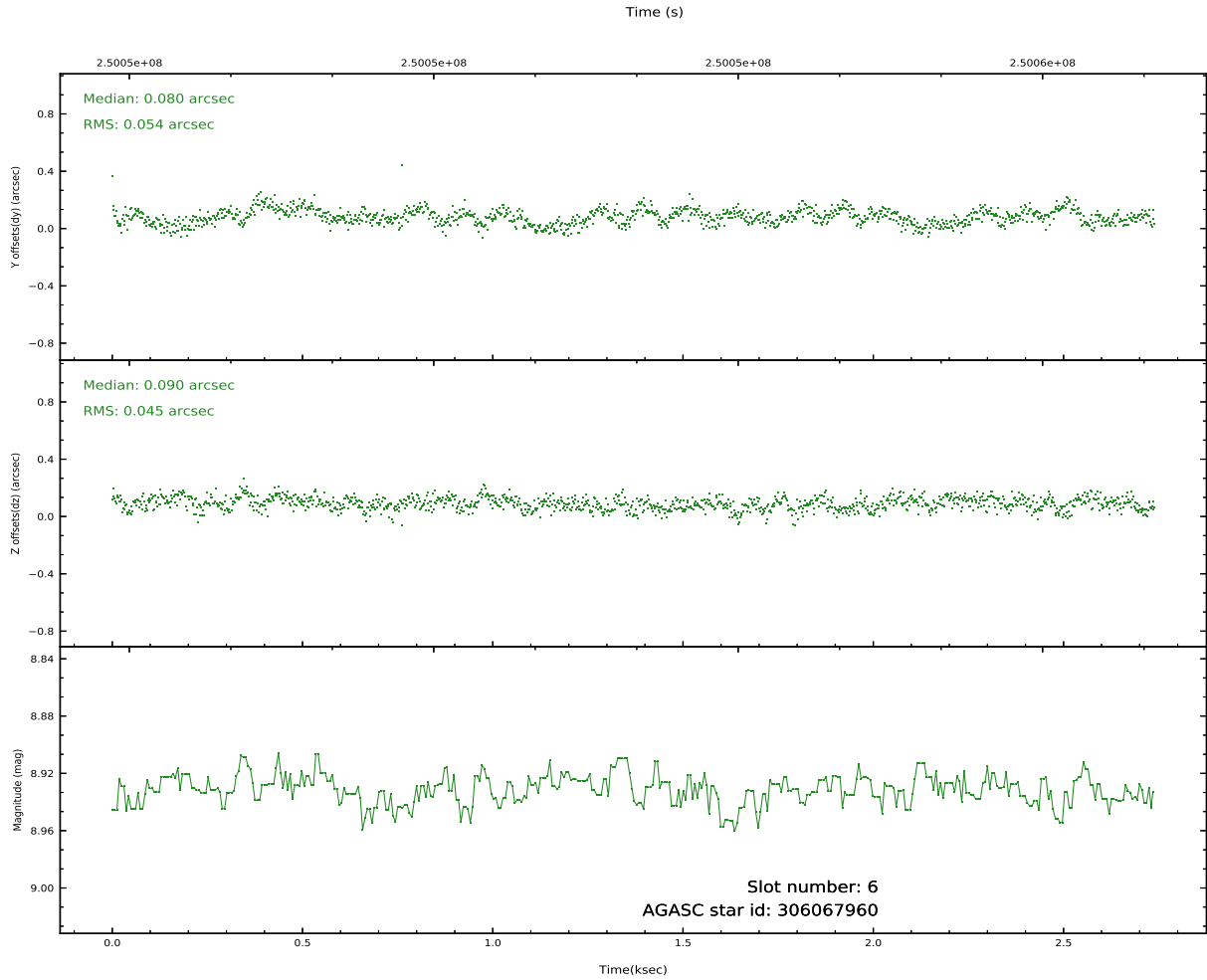
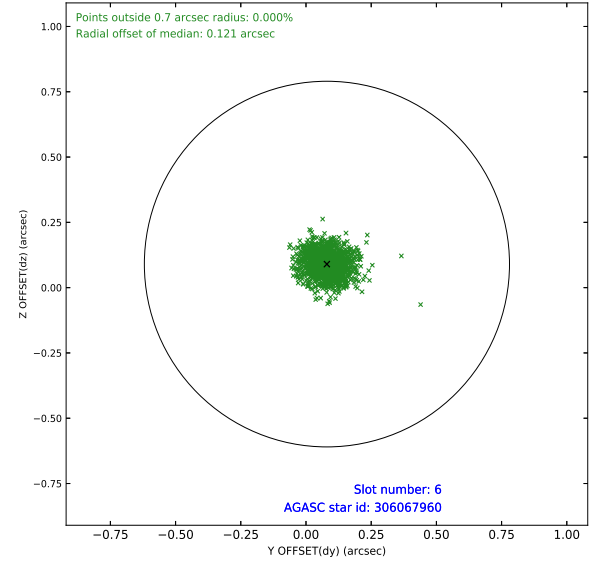
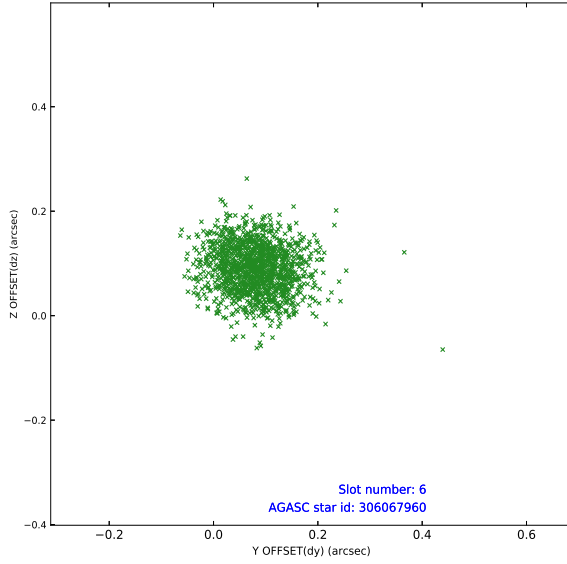
2.4.2 Slot 4



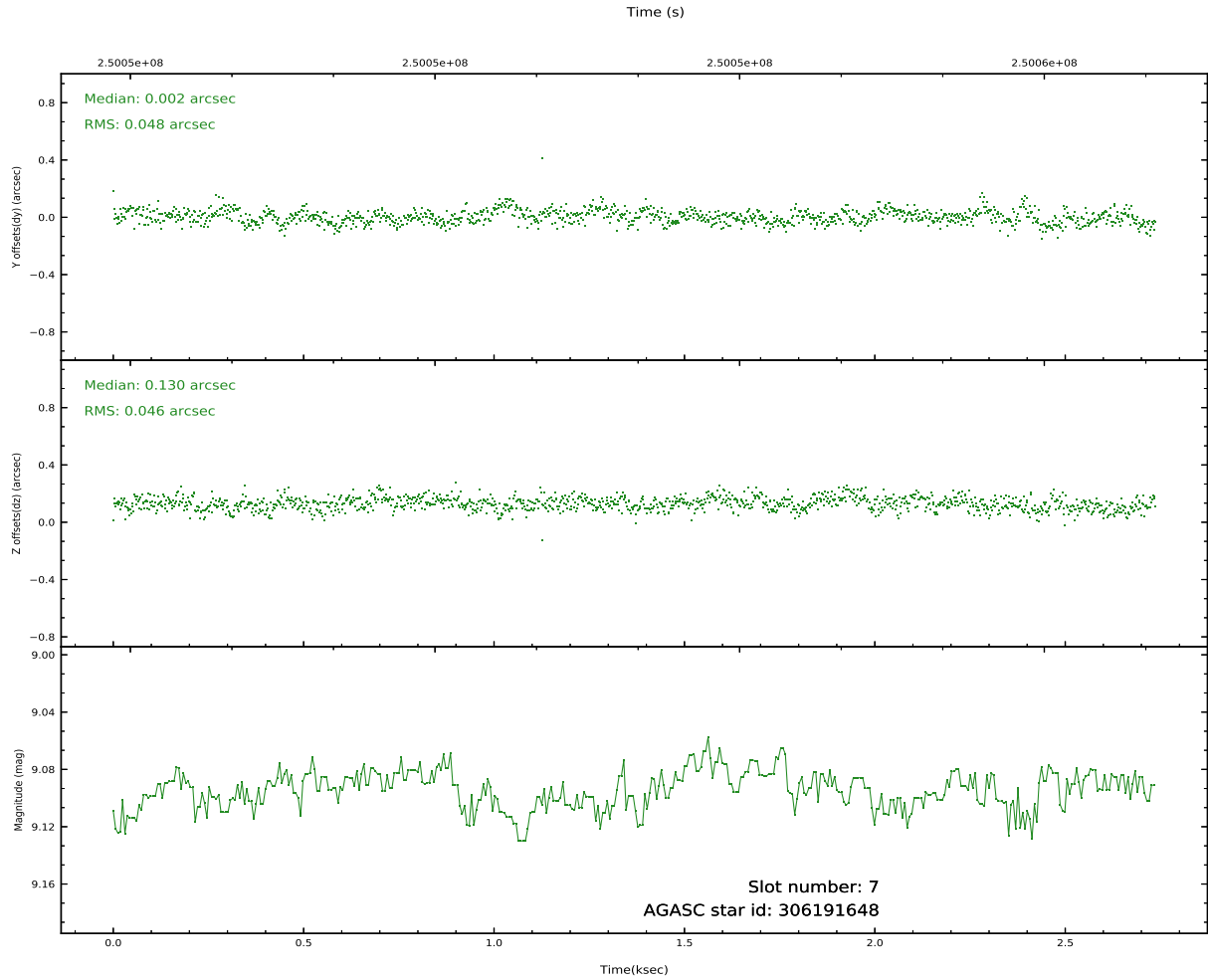
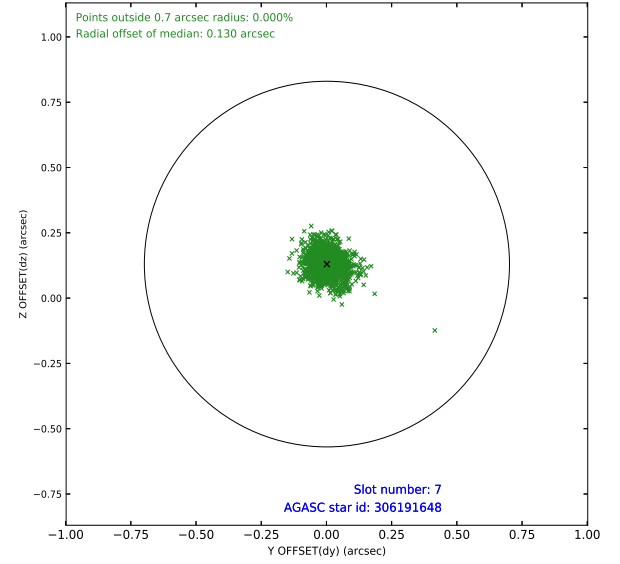
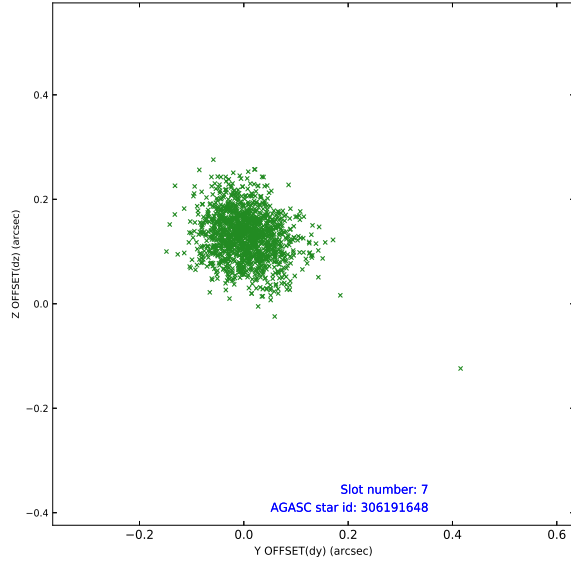
2.4.3 Slot 5



2.4.4 Slot 6

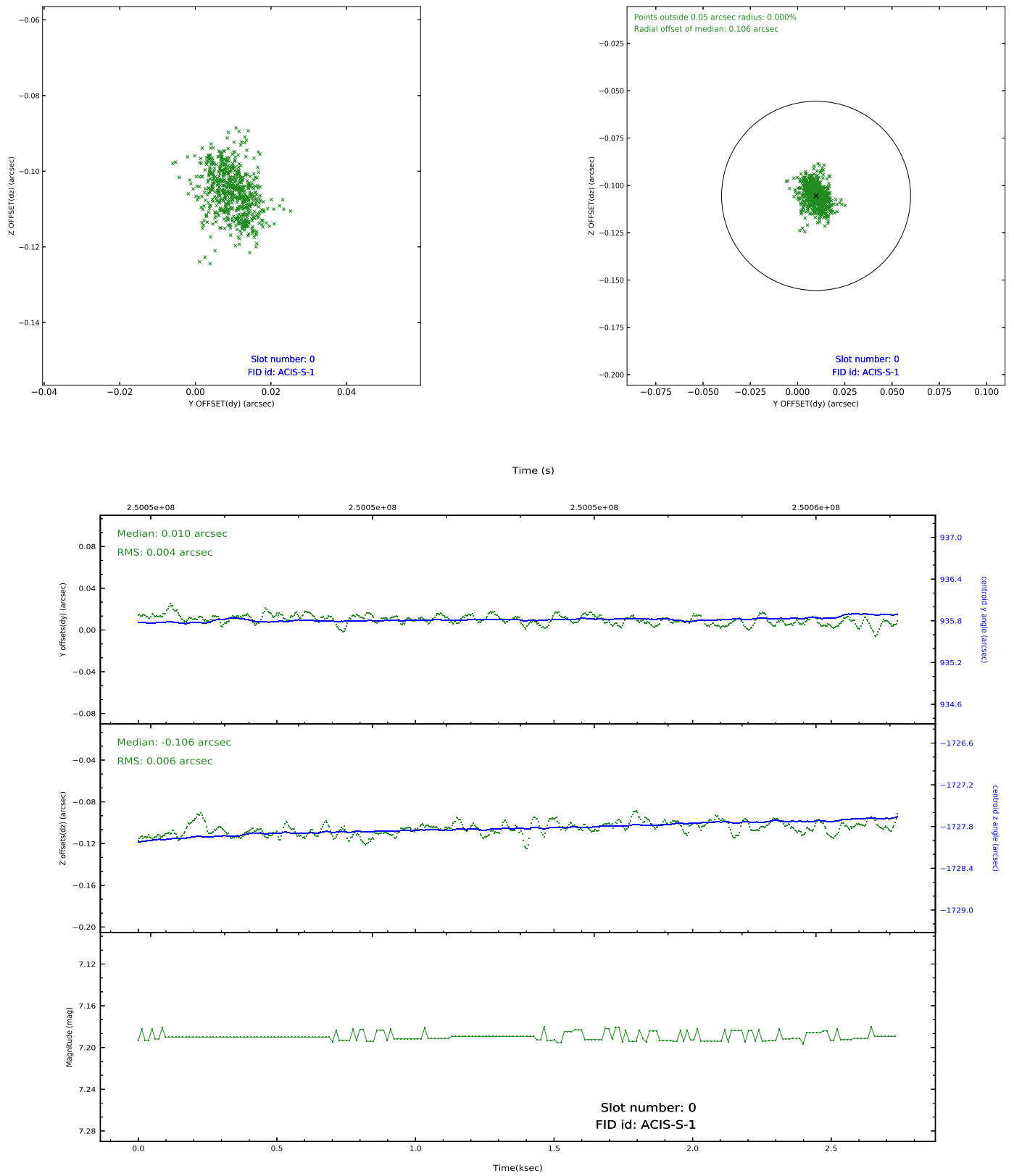


2.4.5 Slot 7

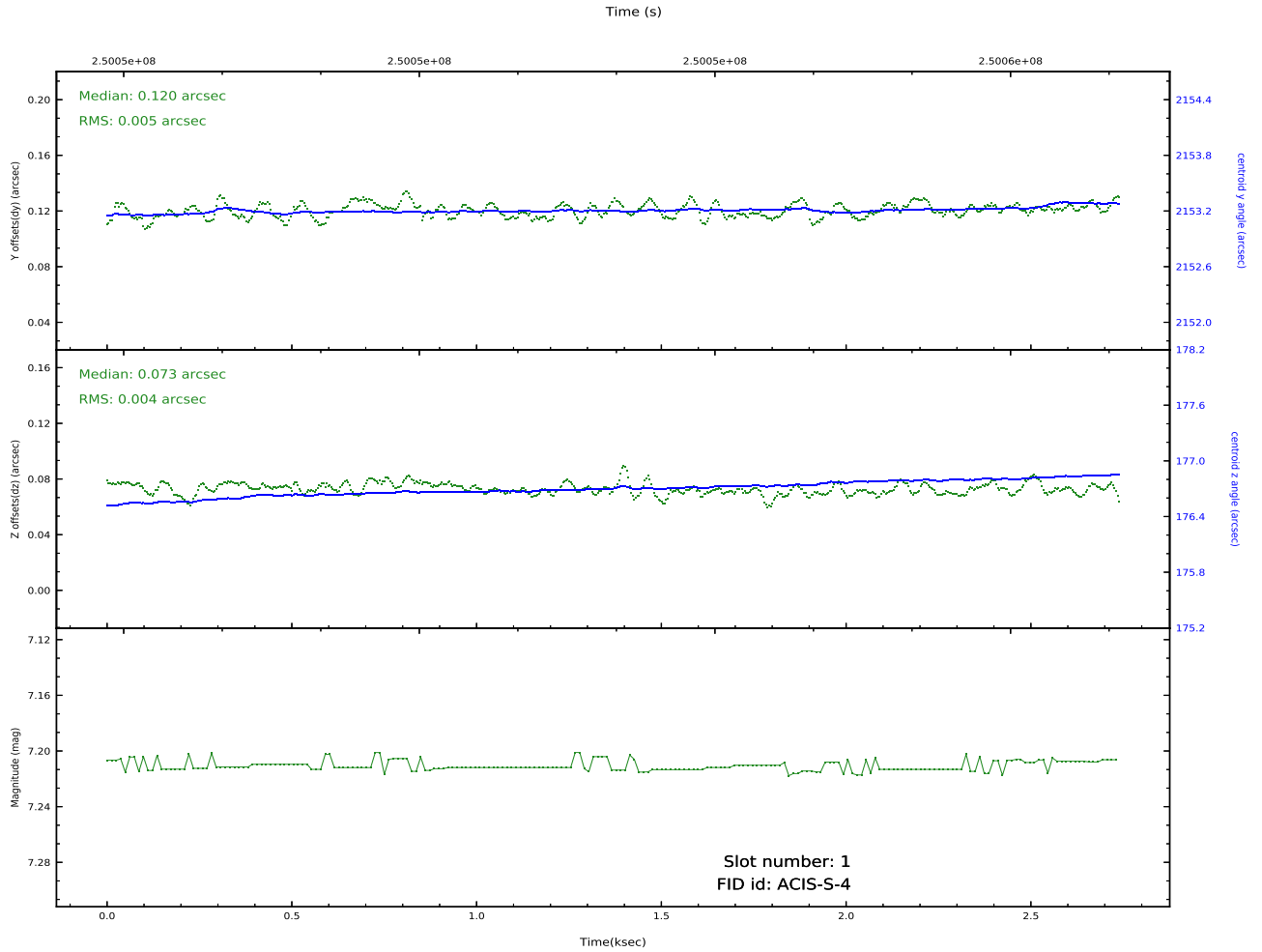
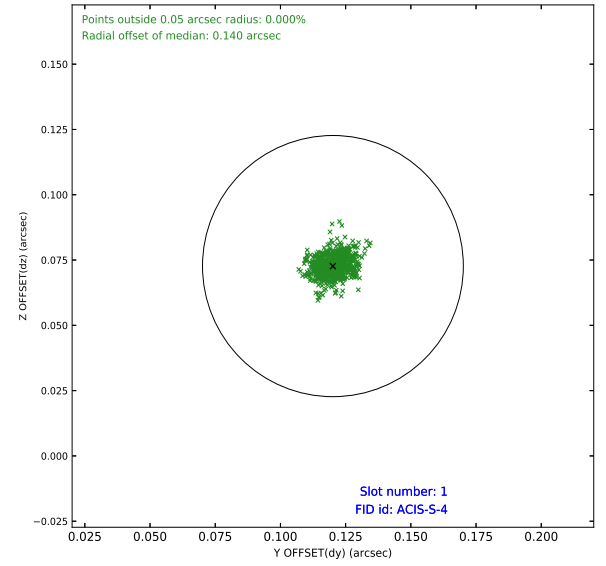
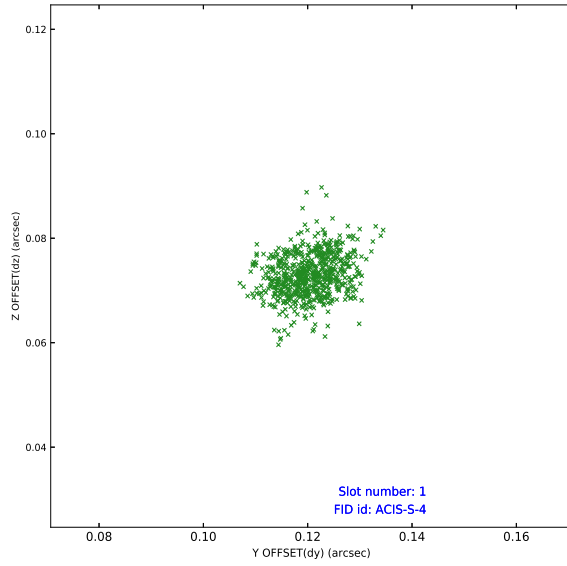


2.5 FID Slots

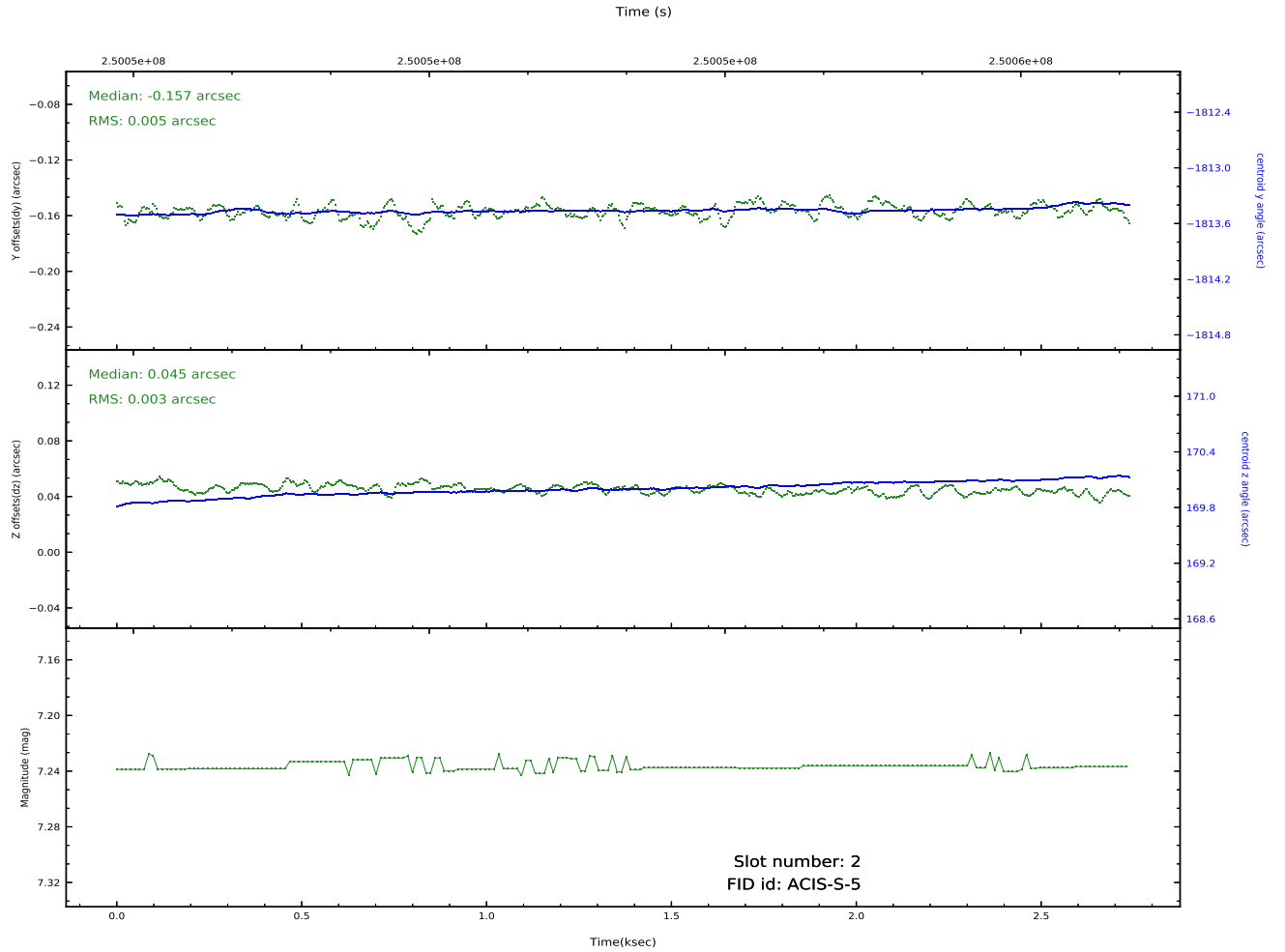
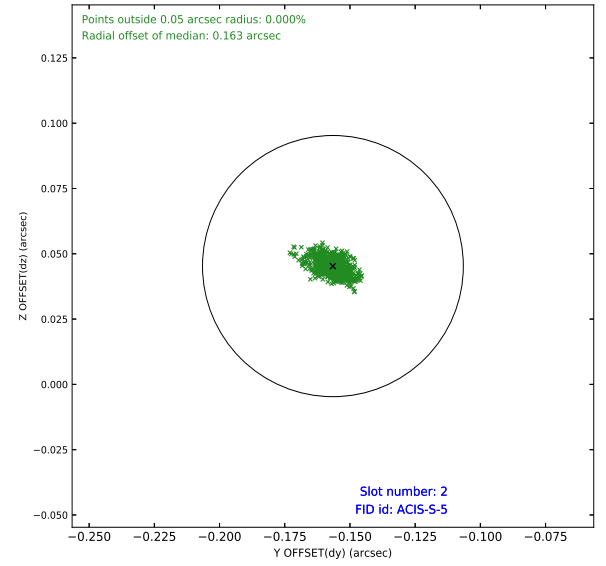
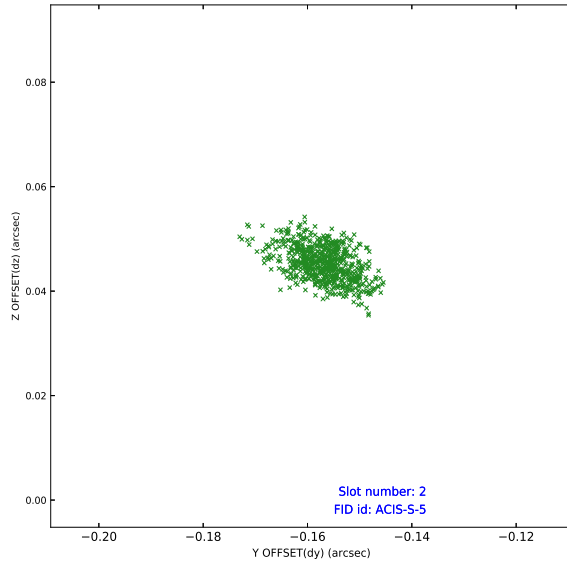
2.5.1 Slot 0



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	2.732799

A.2 Comments