

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5895 - L2 Version 4
Chandra X-Ray Center

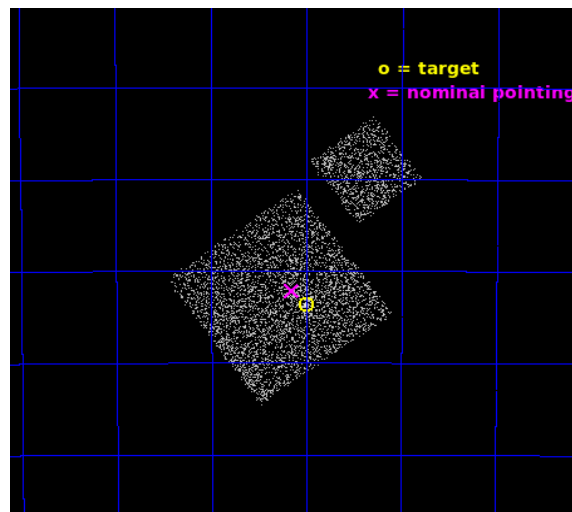
L2 Processing Date : Oct 9 2020

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1 Front

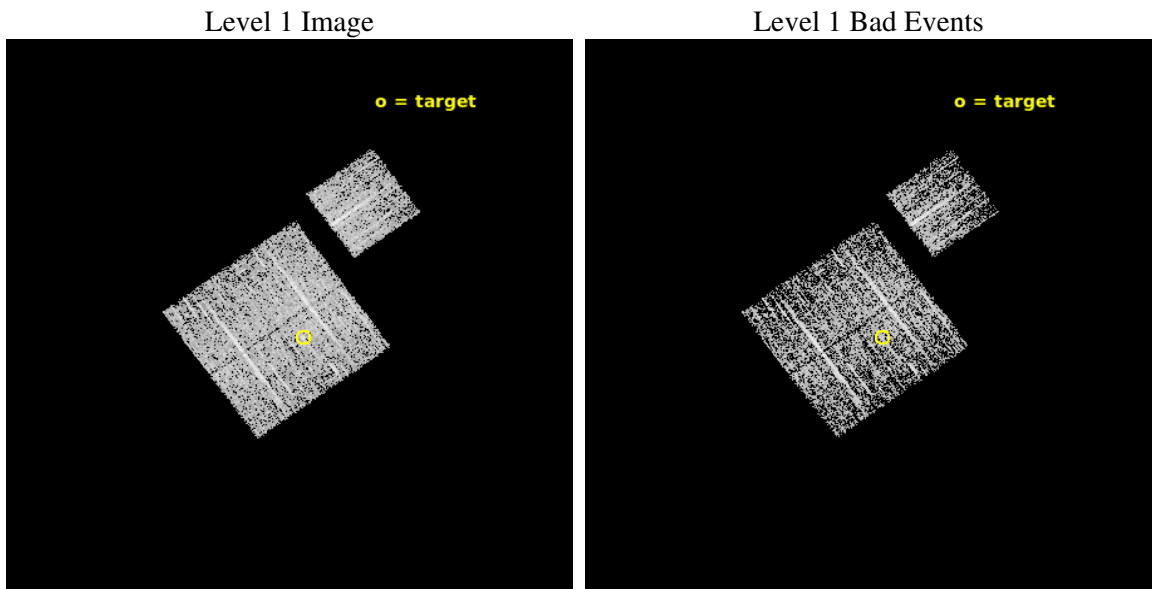
seq_num	600414	Sequence number
obs_id	5895	Observation id
title	Testing Formation Models and Heating and Feedback Mechanisms In Galaxy Groups	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	NGC7049	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	319.750833	Observer's specified target RA [deg]
dec_targ	-48.561944	Observer's specified target Dec [deg]
ra_nom	319.78822564649	Nominal RA [deg]
dec_nom	-48.535788398945	Nominal Dec [deg]
roll_nom	54.1570927947	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2176.199995786	Sum of GTIs [s]
livetime	2147.7663407459	Livetime [s]
ontime0	2176.199995786	Sum of GTIs [s]
ontime1	2176.199995786	Sum of GTIs [s]
ontime2	2176.199995786	Sum of GTIs [s]
ontime3	2176.199995786	Sum of GTIs [s]
ontime6	2176.199995786	Sum of GTIs [s]
l2events	6187	Number of level 2 events



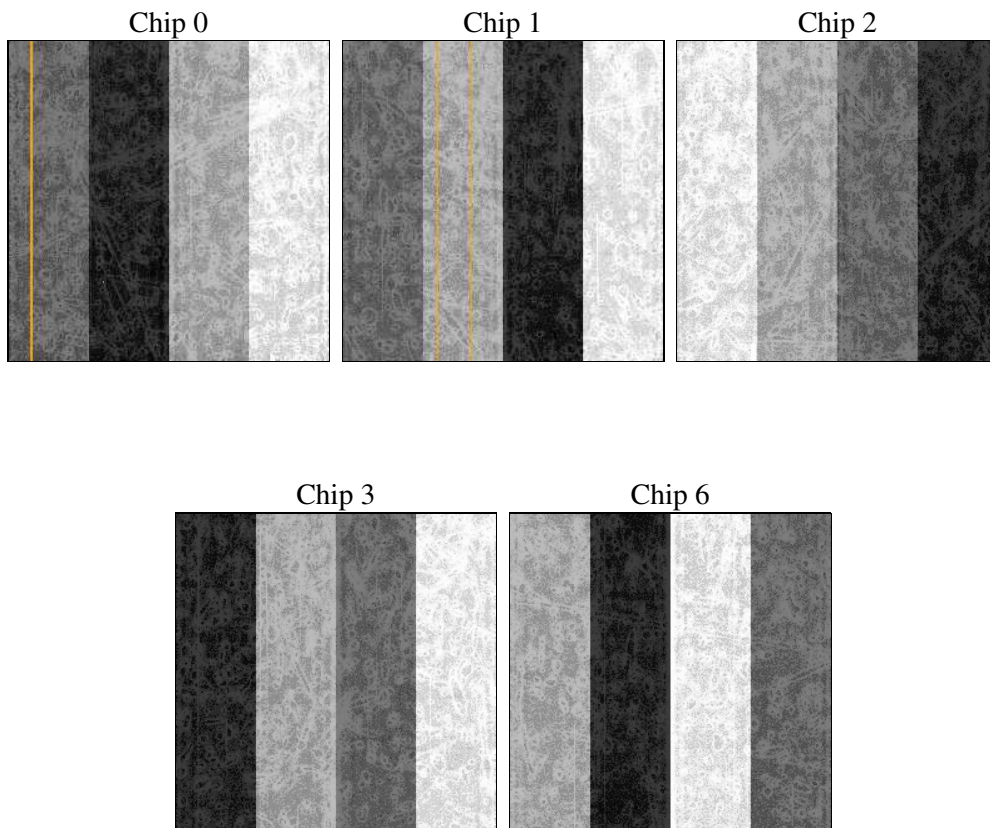
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2176.199995786	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	2176.199995786	Sum of GTIs [s]
date	2020-10-09T07:22:09	Date and time of file creation	ontime1	2176.199995786	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2176.199995786	Sum of GTIs [s]
			ontime3	2176.199995786	Sum of GTIs [s]
			ontime6	2176.199995786	Sum of GTIs [s]
			l1events	81360	Number of level 1 events

2.1.4 Events

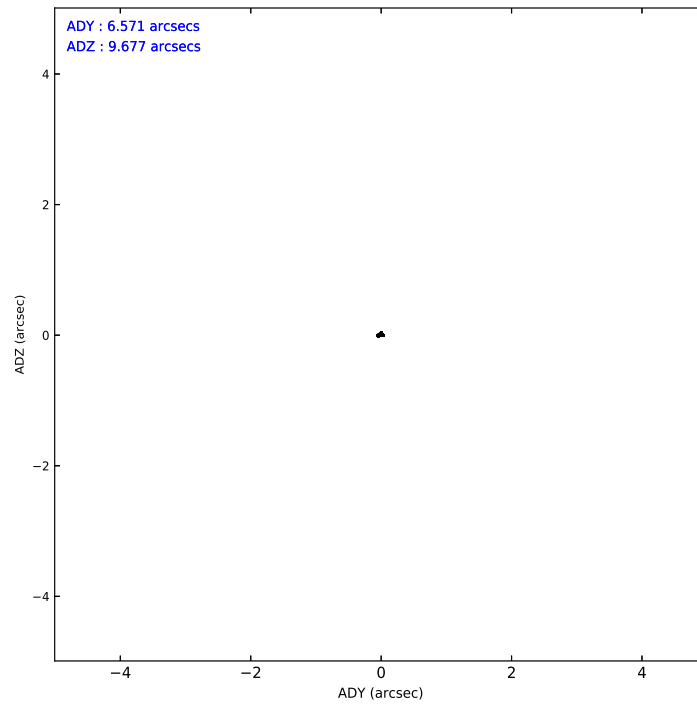
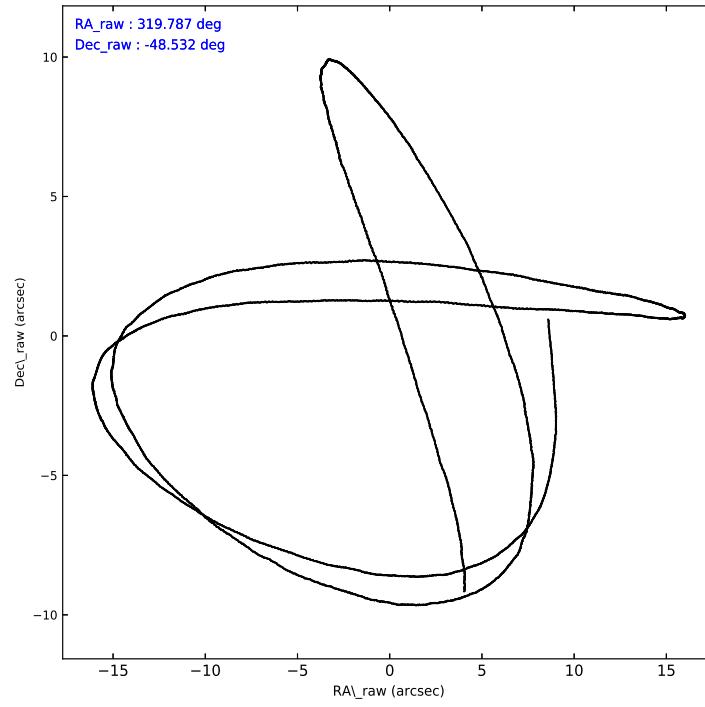
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	15862	15698	16870	16740	16190
rejected events	14444	14036	15491	15198	14779
rejected %	91%	89%	91%	90%	91%

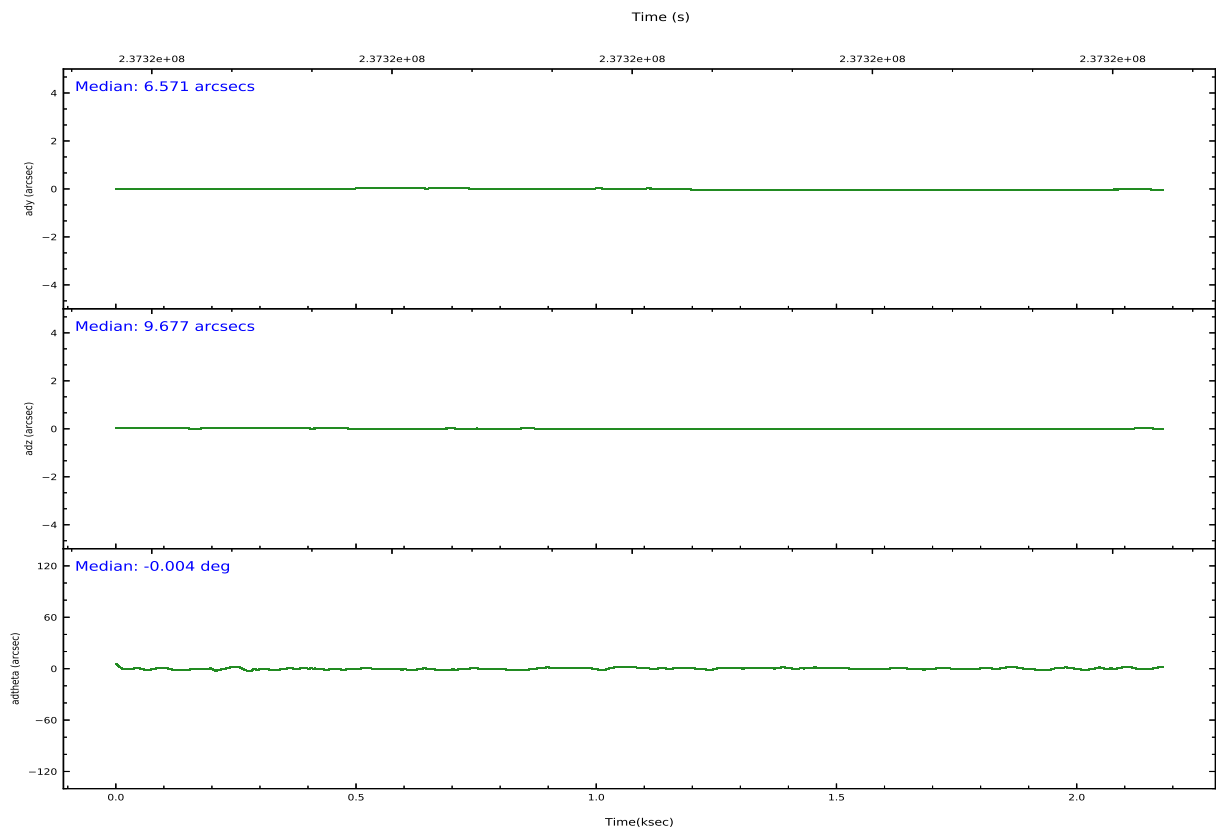
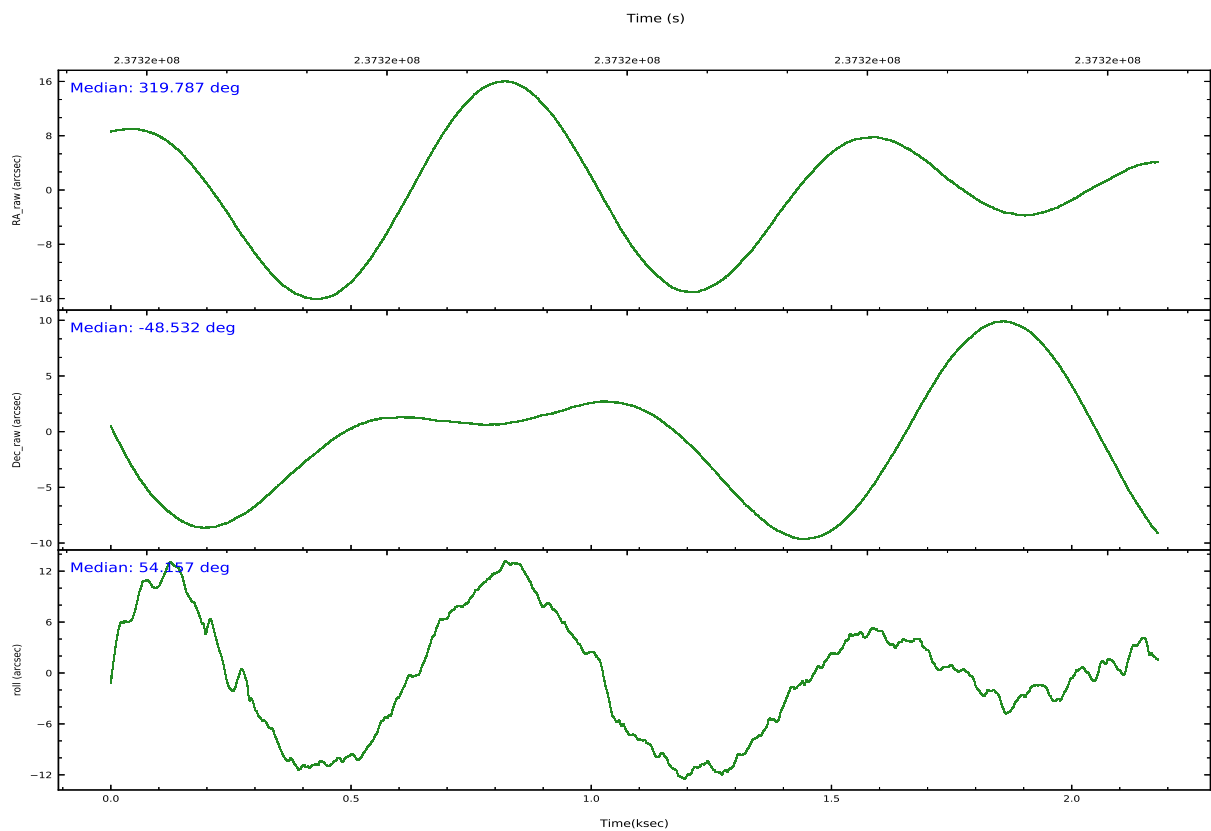
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	584	704	640	678	575
	3%	4%	3%	4%	3%
grade 1 events	11	10	8	10	6
	0%	0%	0%	0%	0%
grade 2 events	390	409	362	368	342
	2%	2%	2%	2%	2%
grade 3 events	190	201	170	199	183
	1%	1%	1%	1%	1%
grade 4 events	181	230	161	216	155
	1%	1%	0%	1%	0%
grade 5 events	668	662	558	663	645
	4%	4%	3%	3%	3%
grade 6 events	320	366	268	296	351
	2%	2%	1%	1%	2%
grade 7 events	13518	13116	14703	14310	13933
	85%	83%	87%	85%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	319.782427	319.78822564649	Subarray requested	NONE	NONE
[deg] Pointing Dec	-48.559856	-48.535788398945	Alternating exposures requested	N	N
[deg] Pointing Roll	53.949001	54.1570927947	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-230.592463	-230.5928849366707			
[mm] SIM translation stage offset	-3	-2.999568066258945			
[s] Observation start time (MET)	237319105.184000	237317955.38148			
Observation start date	2005-07-09T17:57:21	2005-07-09T17:39:15			
[s] Observation end time (MET)	237321105.184000	237322011.81917			
Observation end date	2005-07-09T18:30:41	2005-07-09T18:46:51			
Read mode	TIMED	TIMED			

2.3 Aspect



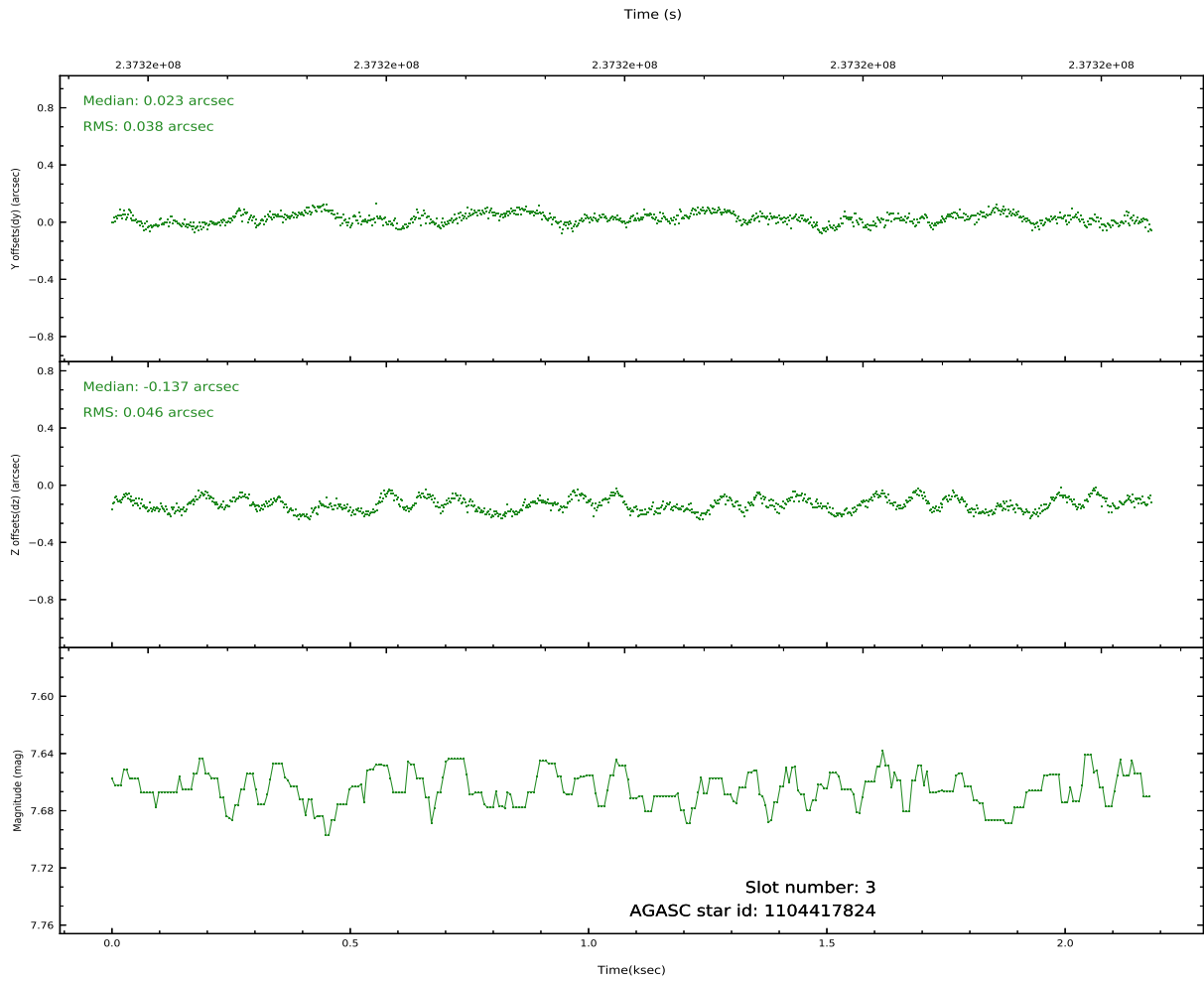
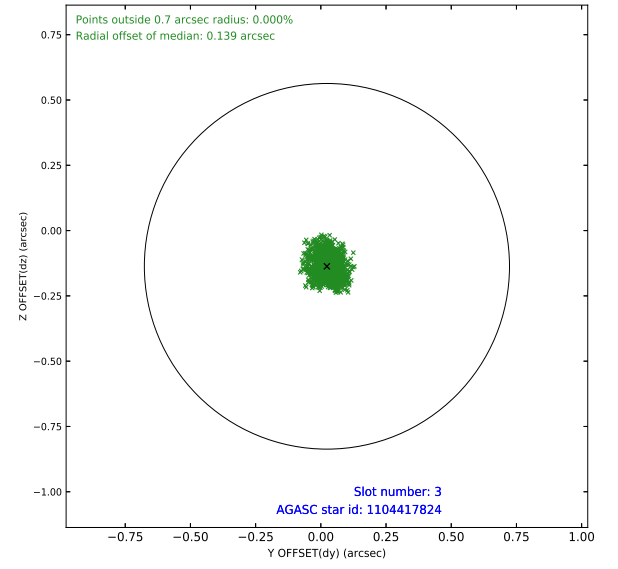
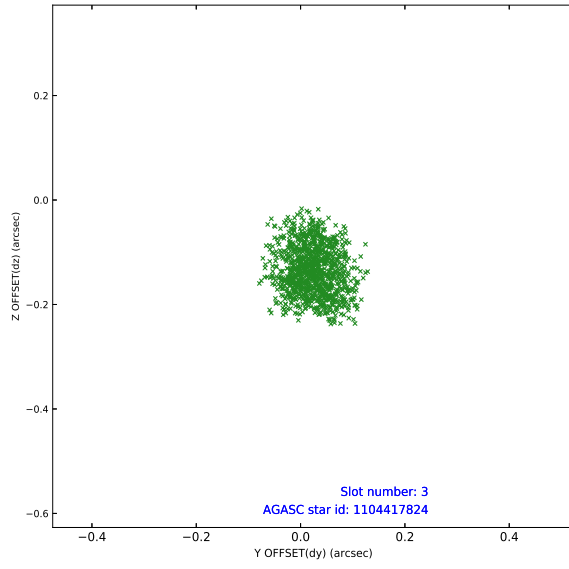


Slot Statistics

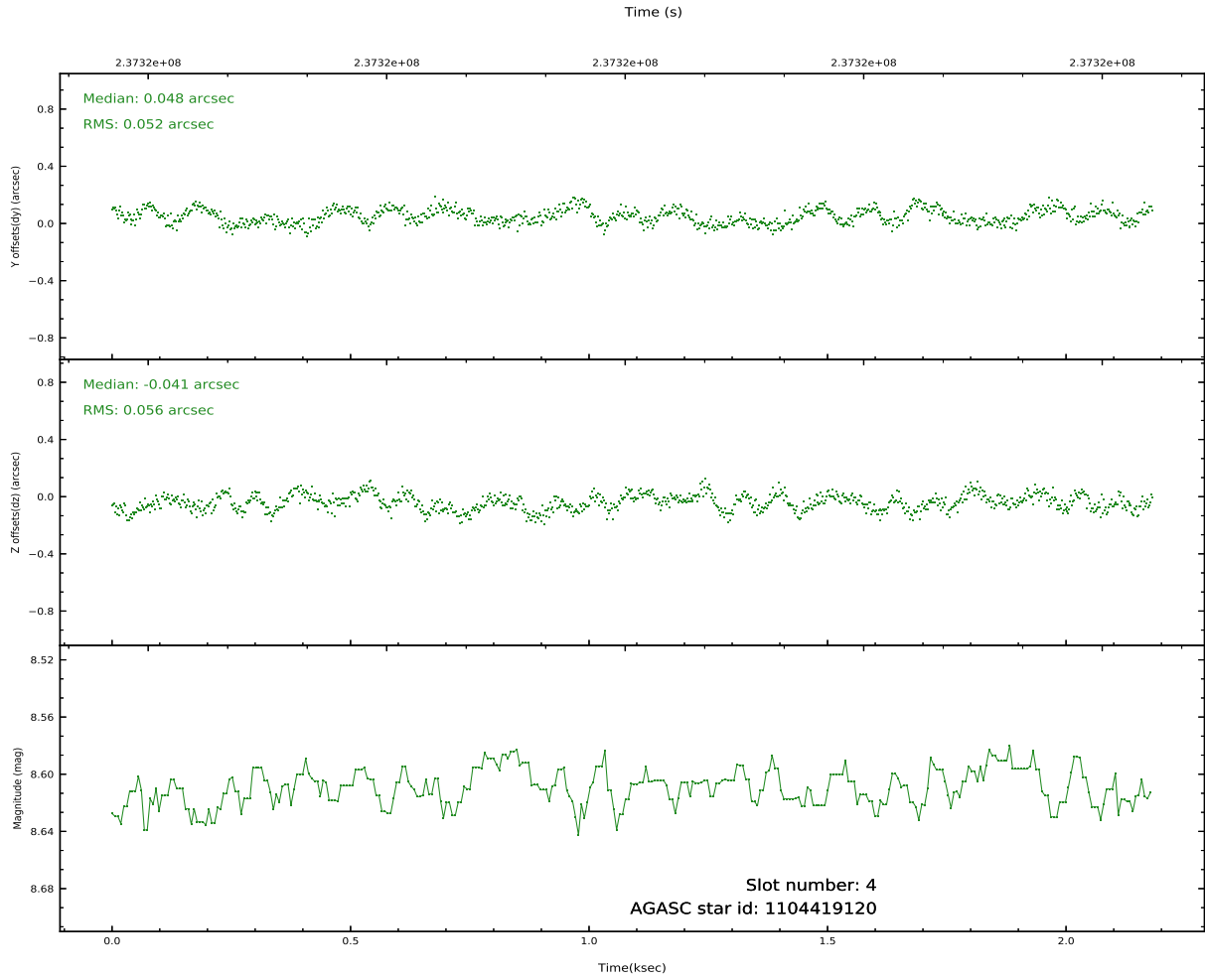
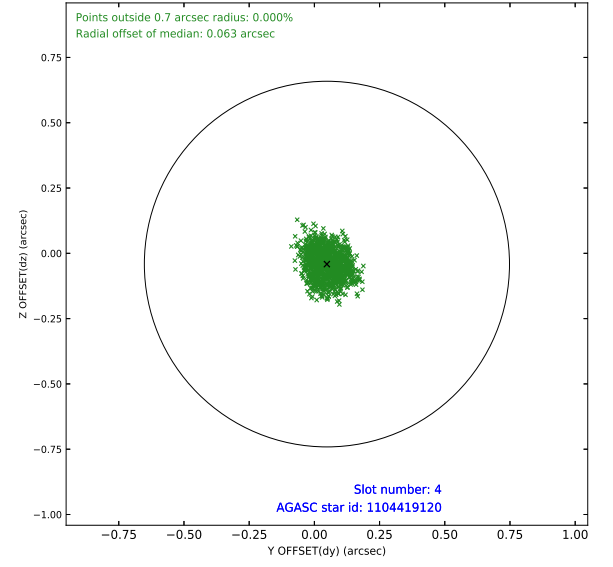
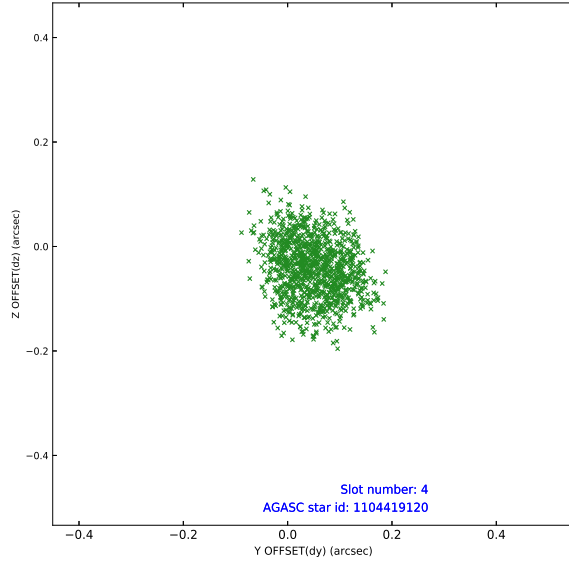
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	532	1.000	-0.000	-0.059	0.010	0.016	0.000000	0.000000	933.10	-894
1	FID		ACIS-I-2	7.17	532	1.000	-0.218	-0.046	0.008	0.013	0.000000	0.000000	-759.69	-902
2	FID		ACIS-I-4	7.16	531	1.000	0.121	0.172	0.008	0.013	0.000000	0.000000	2151.53	1004
3	GUIDE	used	1104417824	7.67	1065	1.000	0.023	-0.137	0.066	0.099	319.323736	-48.707381	-1073.24	566
4	GUIDE	used	1104419120	8.61	1065	1.000	0.048	-0.041	0.082	0.125	319.338612	-48.069057	796.77	1901
5	GUIDE	used	1104550048	6.75	1065	1.000	-0.076	0.084	0.061	0.095	320.688690	-48.457406	1561.48	-1538
6	GUIDE	used	1104939328	8.50	1065	1.000	0.031	0.073	0.106	0.166	320.456426	-48.796613	247.50	-1799
7	GUIDE	used	1104941136	7.68	1064	1.000	-0.013	0.018	0.058	0.099	319.851095	-49.398480	-2345.68	-1908

2.4 Star Slots

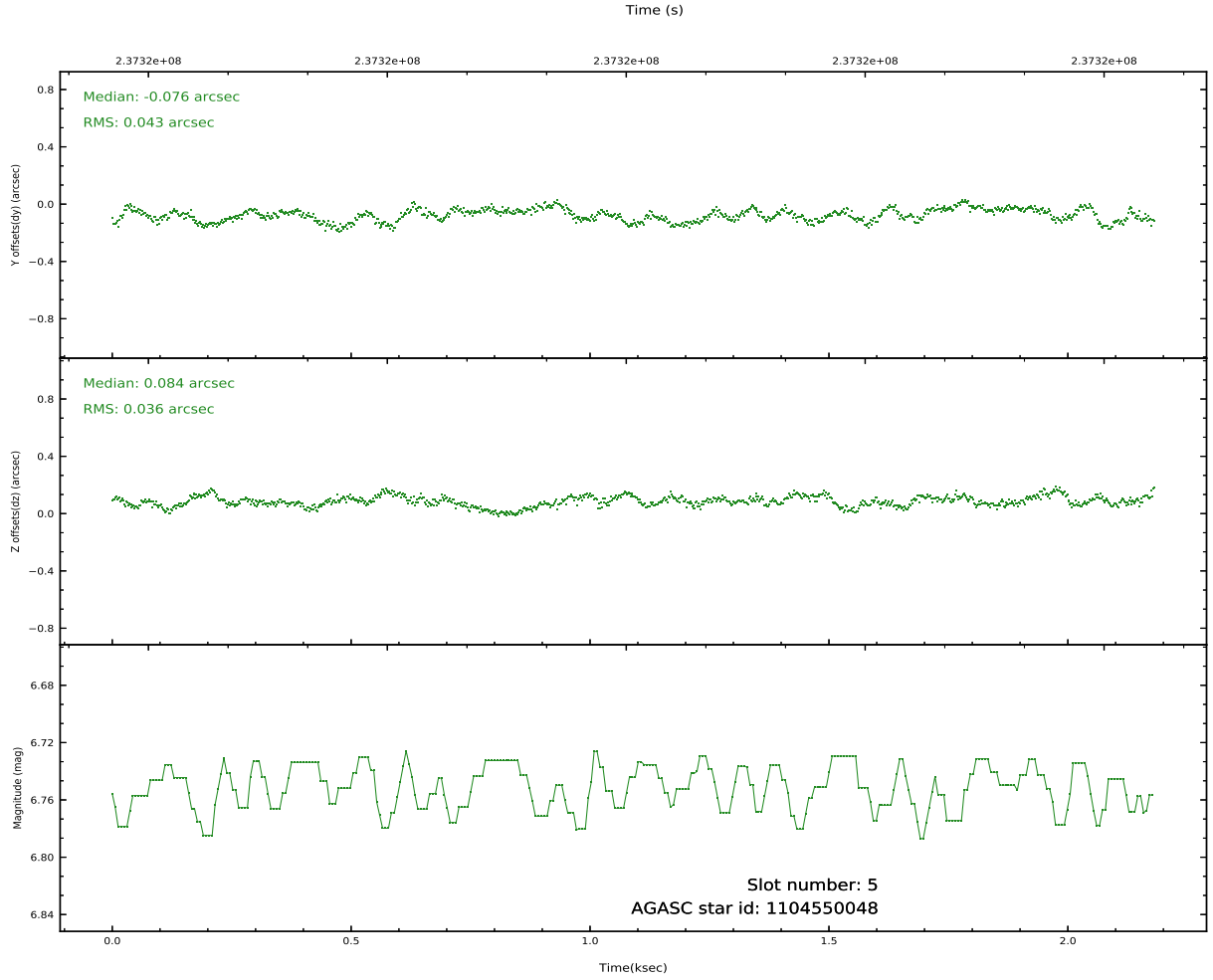
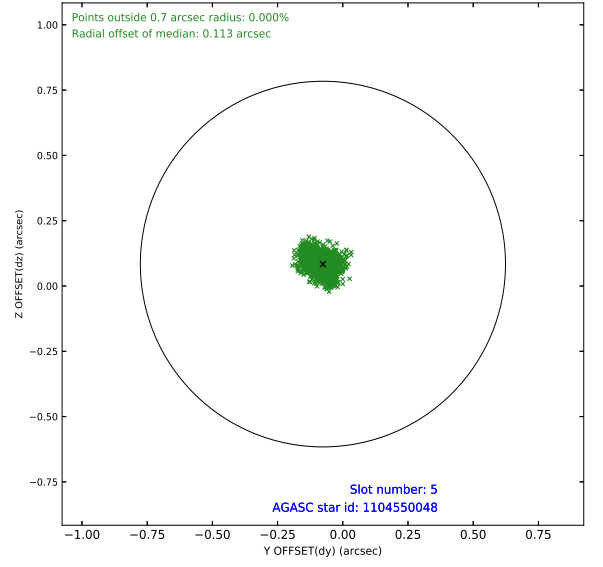
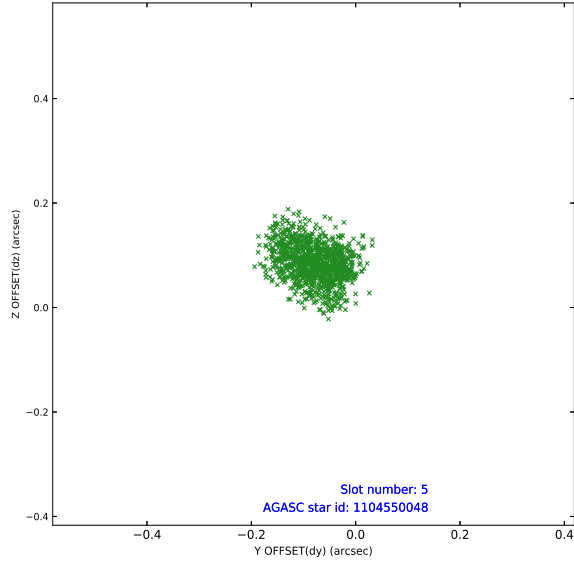
2.4.1 Slot 3



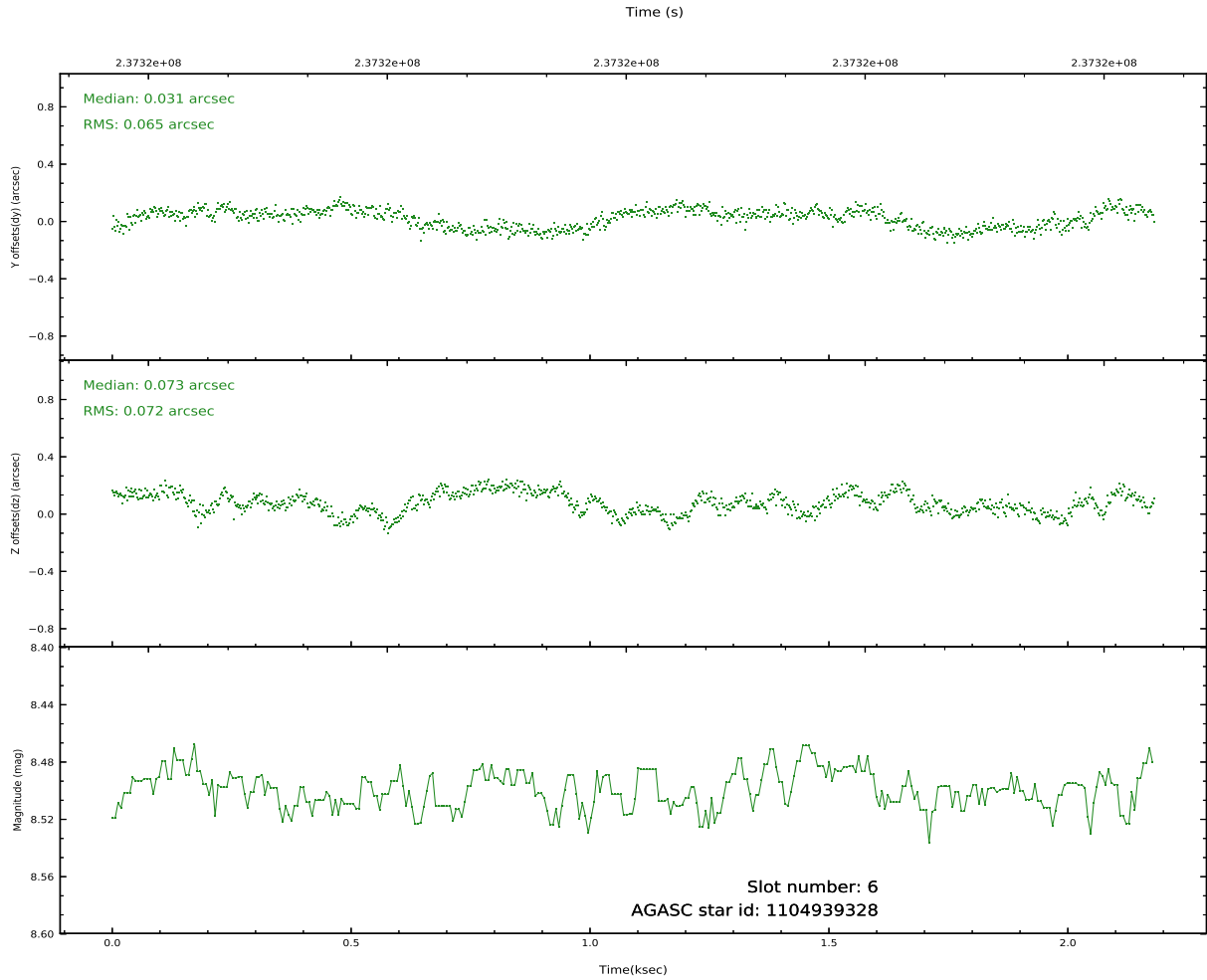
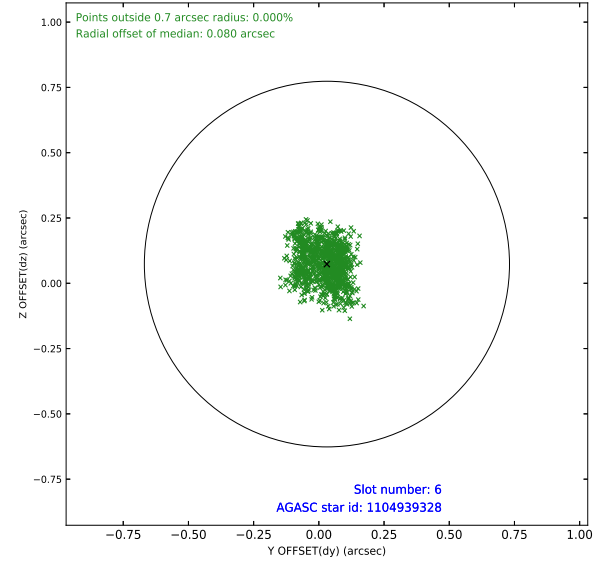
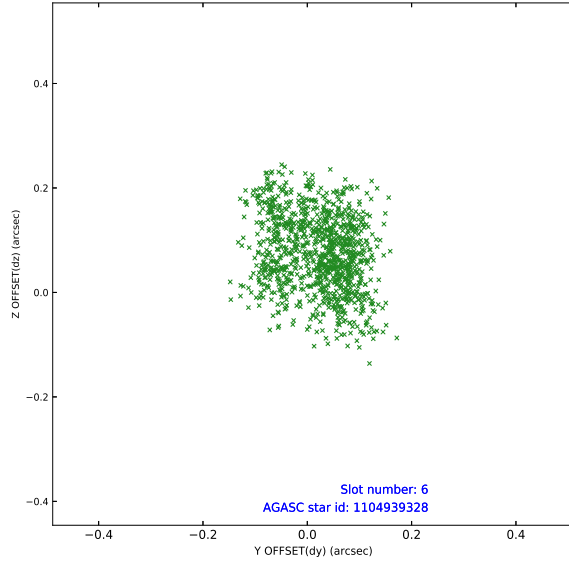
2.4.2 Slot 4



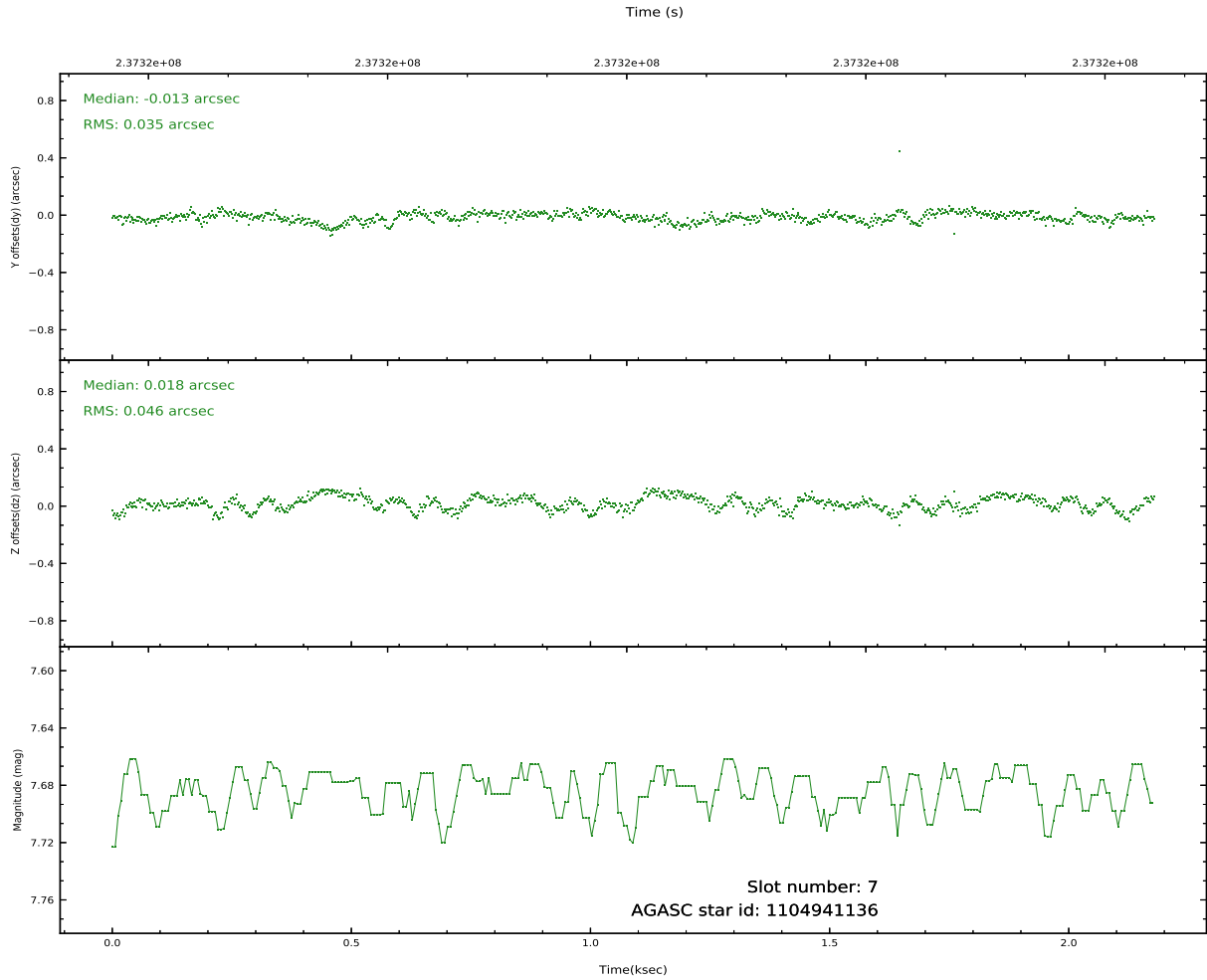
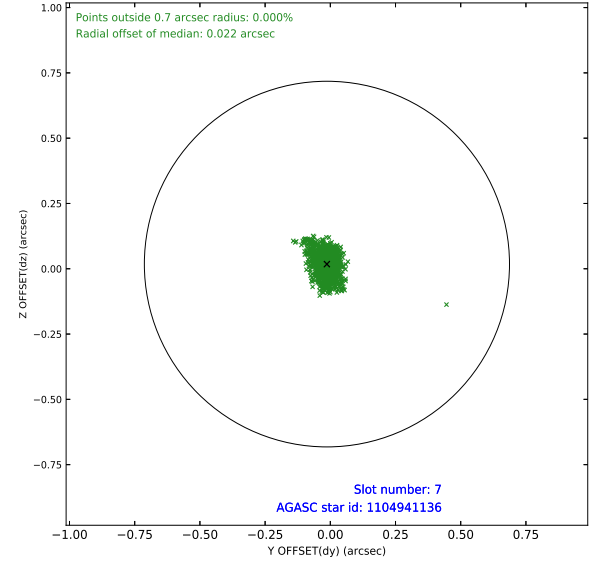
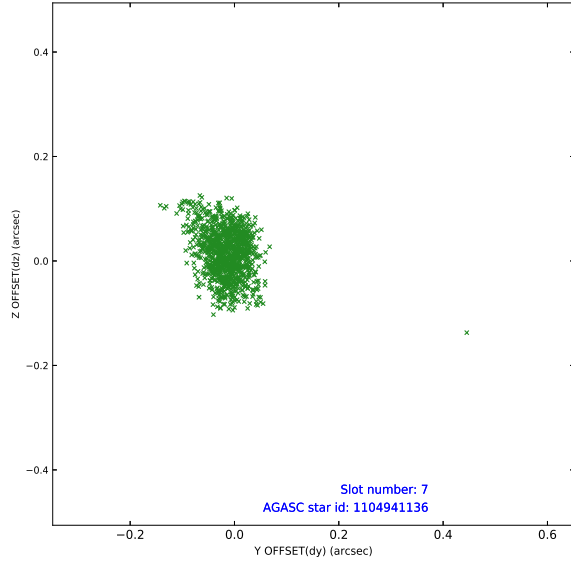
2.4.3 Slot 5



2.4.4 Slot 6

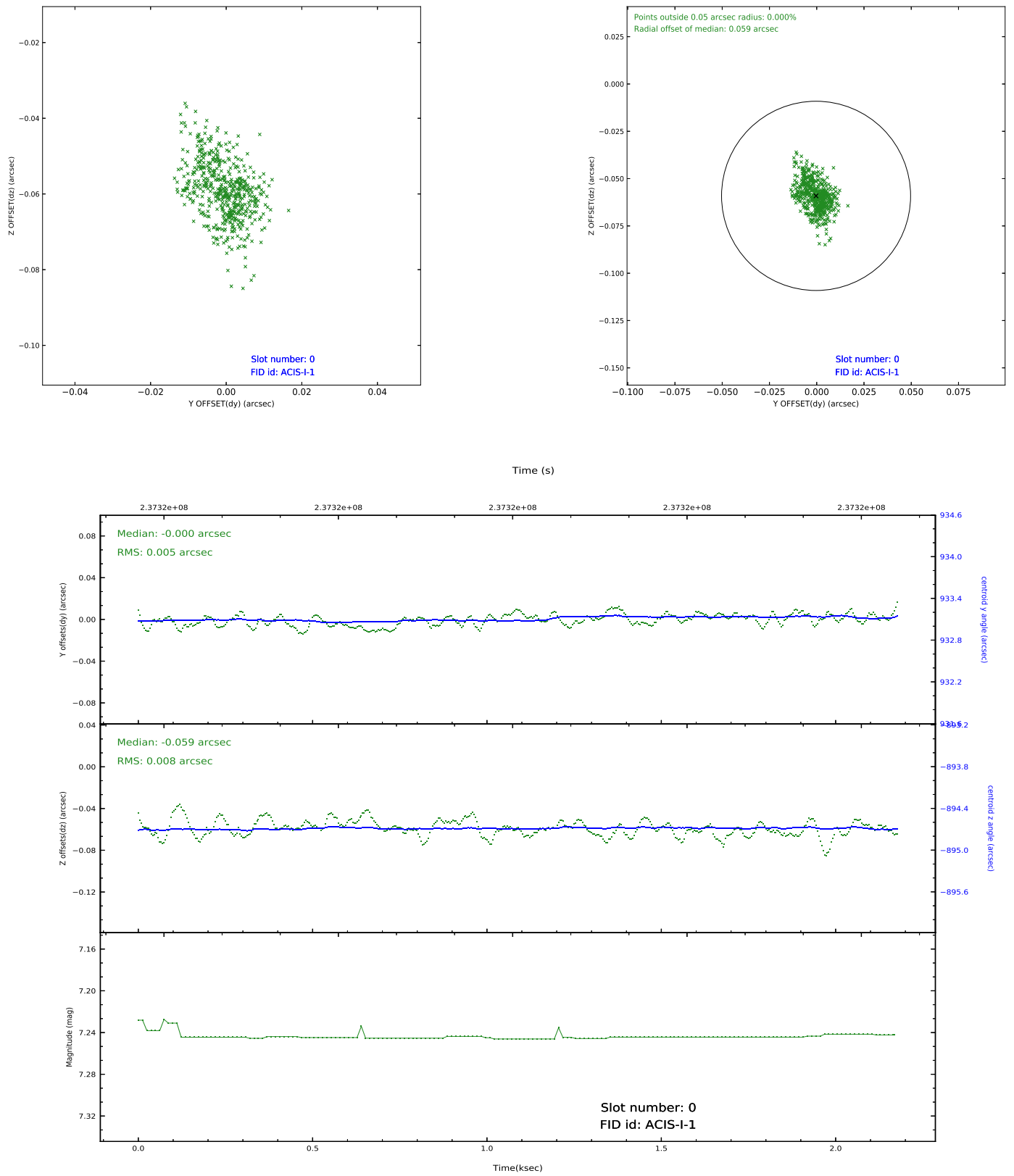


2.4.5 Slot 7

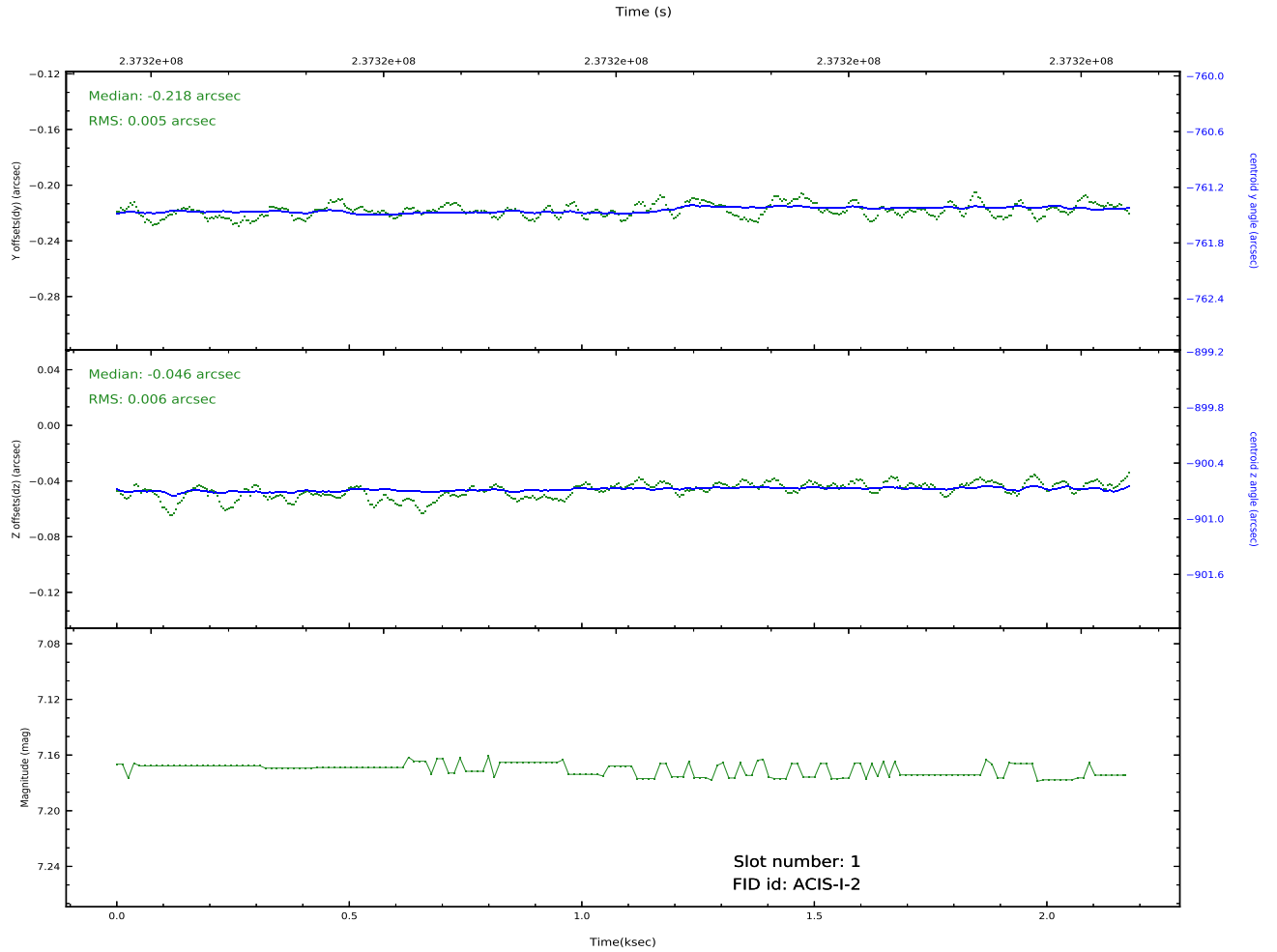
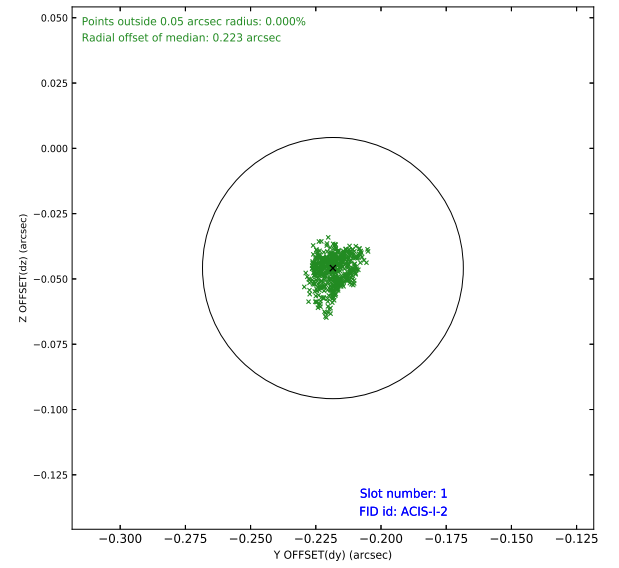
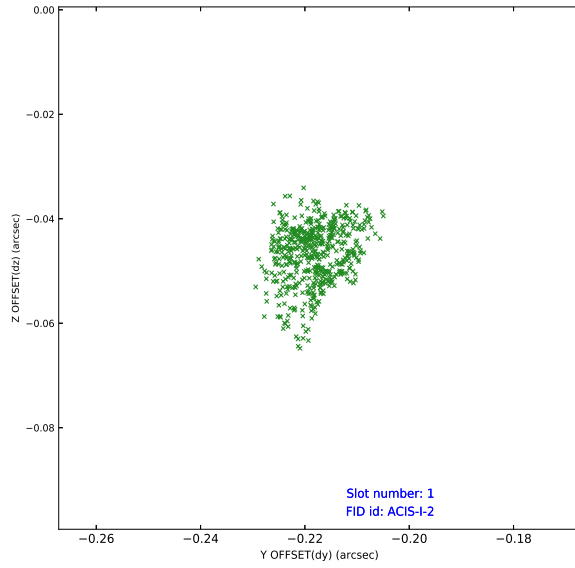


2.5 FID Slots

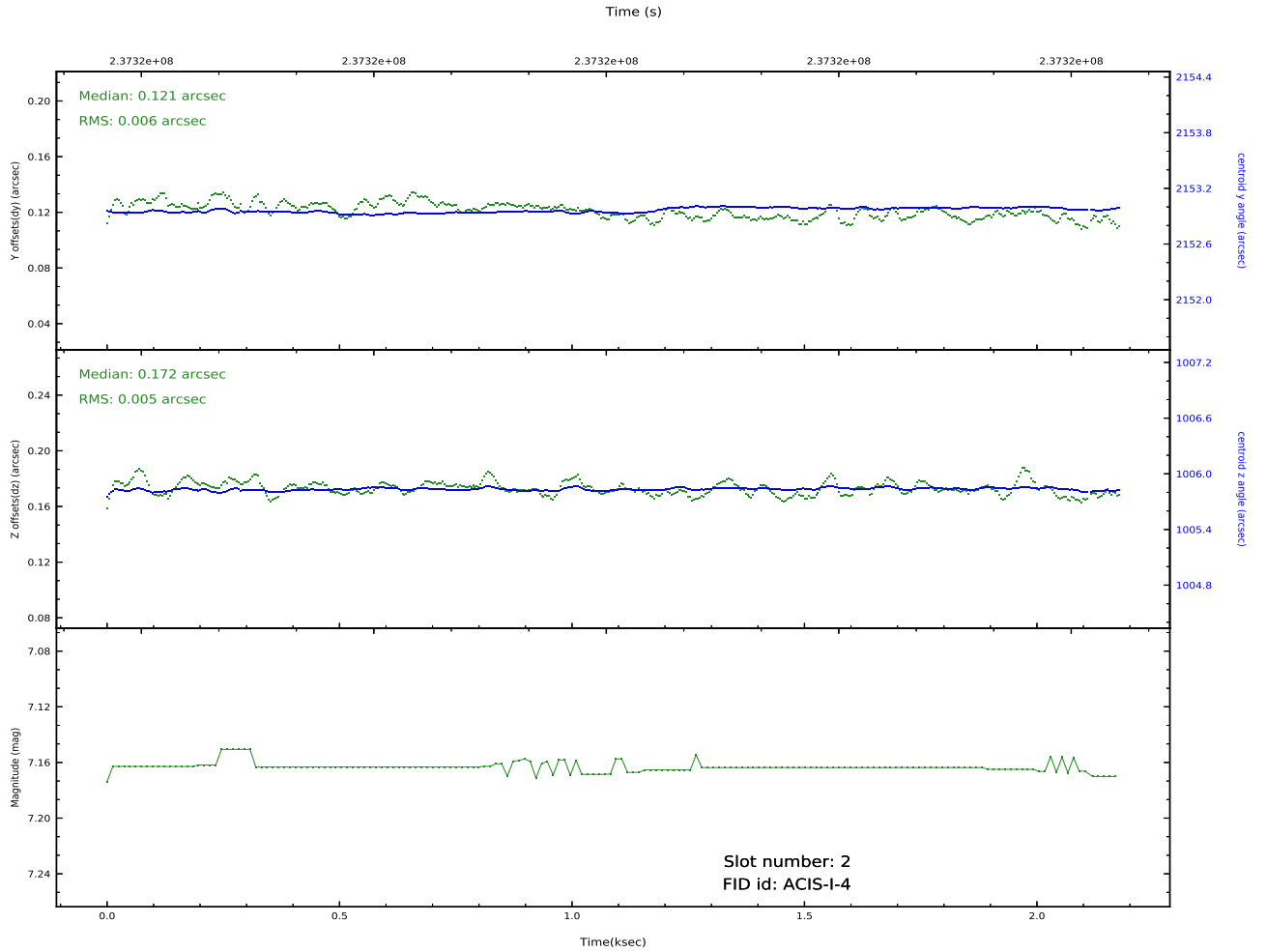
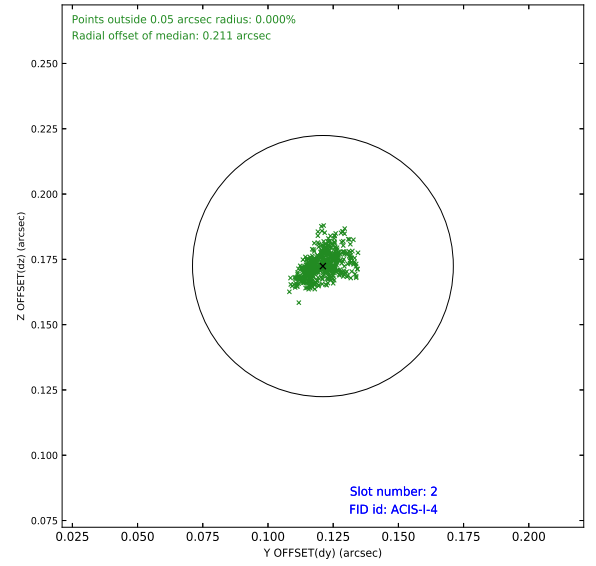
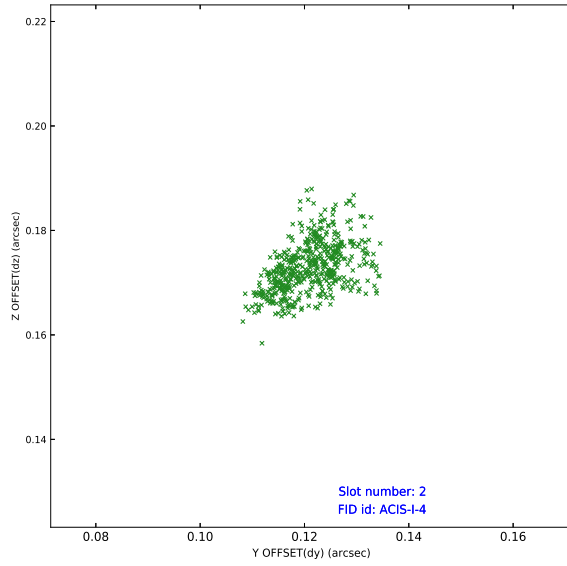
2.5.1 Slot 0



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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.176199

A.2 Comments