

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7133 - L2 Version 3
Chandra X-Ray Center

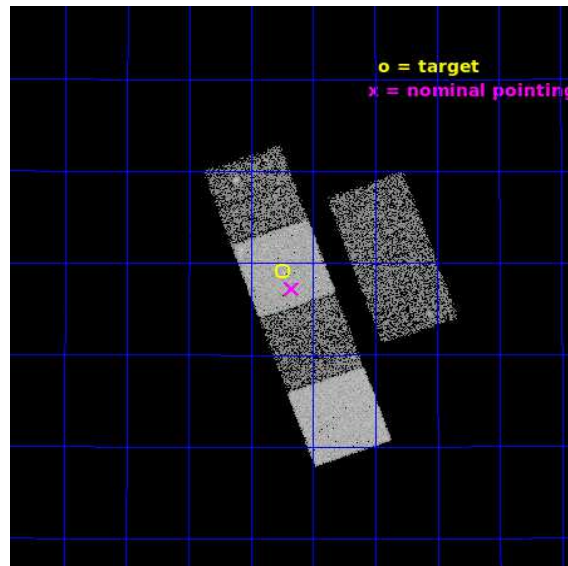
L2 Processing Date : Oct 11 2020

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1 Front

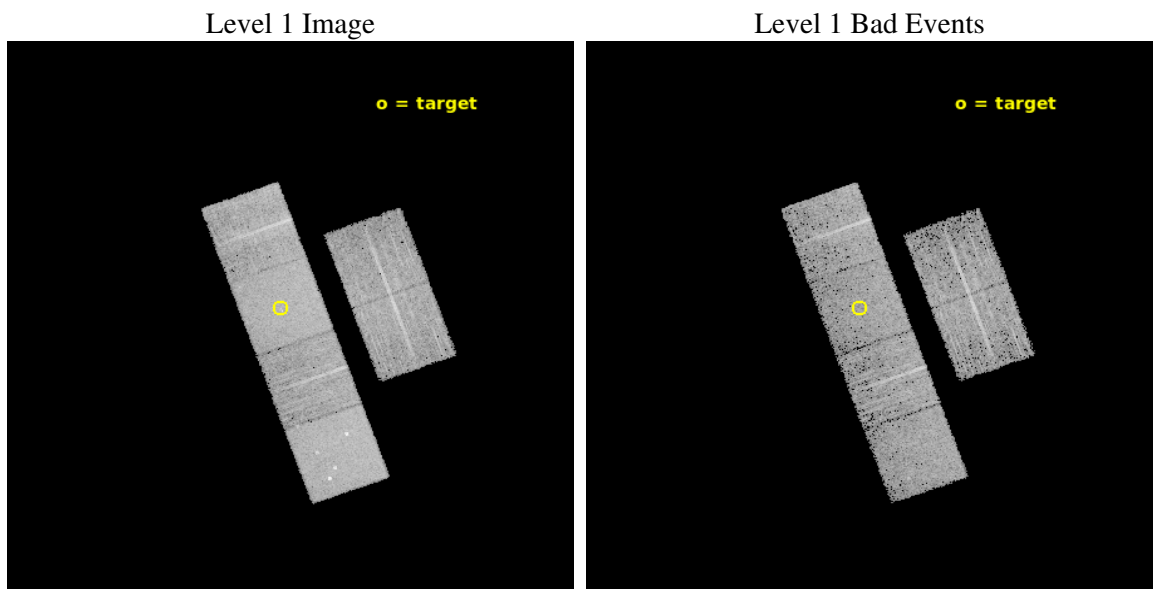
seq_num	600571	Sequence number
obs_id	7133	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 1012	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	39.812083	Observer's specified target RA [deg]
dec_targ	30.151694	Observer's specified target Dec [deg]
ra_nom	39.792621510748	Nominal RA [deg]
dec_nom	30.120306465051	Nominal Dec [deg]
roll_nom	250.04631724802	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5119.9999809265	Sum of GTIs [s]
livetime	5055.1674582742	Livetime [s]
ontime2	5119.9999809265	Sum of GTIs [s]
ontime3	5119.9999809265	Sum of GTIs [s]
ontime5	5119.9999809265	Sum of GTIs [s]
ontime6	5119.9999809265	Sum of GTIs [s]
ontime7	5119.9999809265	Sum of GTIs [s]
ontime8	5119.9999809265	Sum of GTIs [s]
l2events	67413	Number of level 2 events



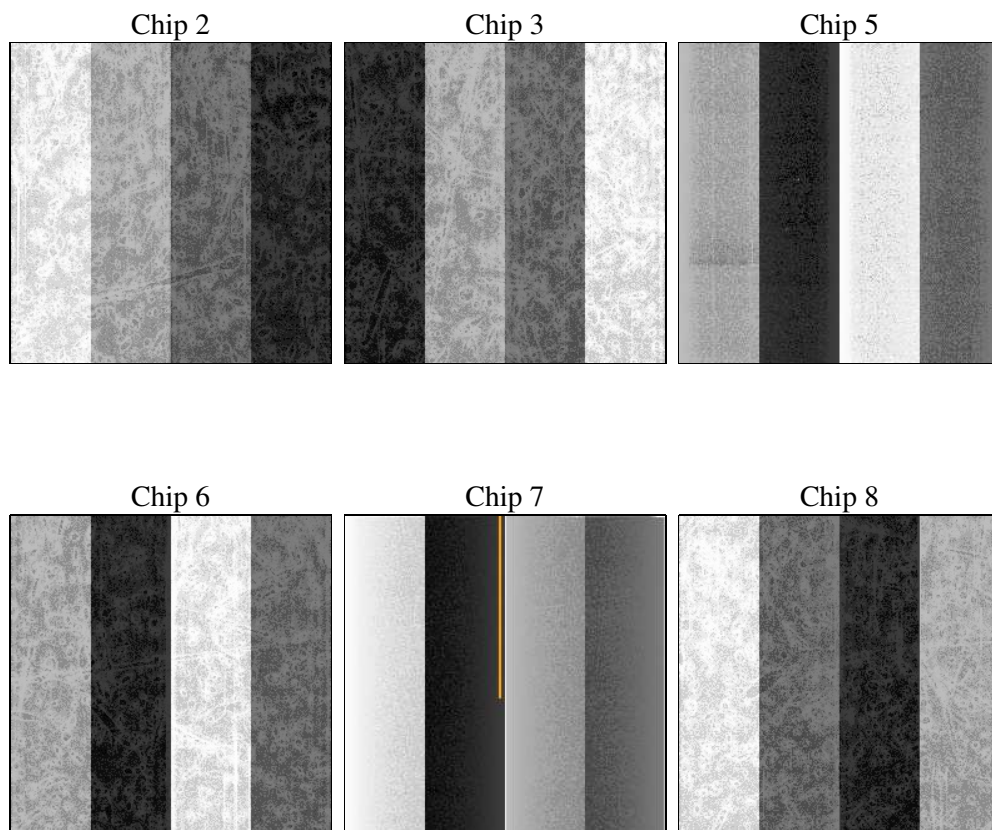
2 OBI

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	5119.9999809265	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	5119.9999809265	Sum of GTIs [s]
date	2020-10-11T16:28:59	Date and time of file creation	ontime3	5119.9999809265	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5119.9999809265	Sum of GTIs [s]
			ontime6	5119.9999809265	Sum of GTIs [s]
			ontime7	5119.9999809265	Sum of GTIs [s]
			ontime8	5119.9999809265	Sum of GTIs [s]
			l1events	319454	Number of level 1 events

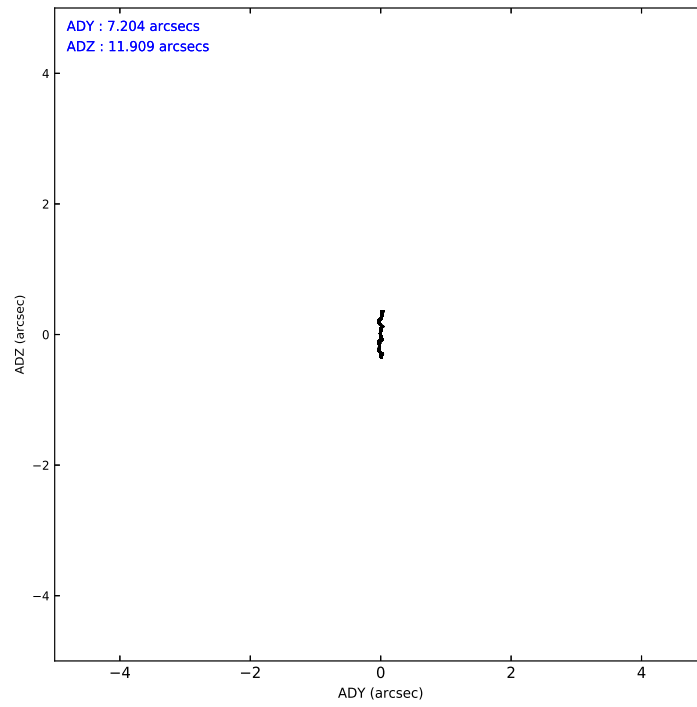
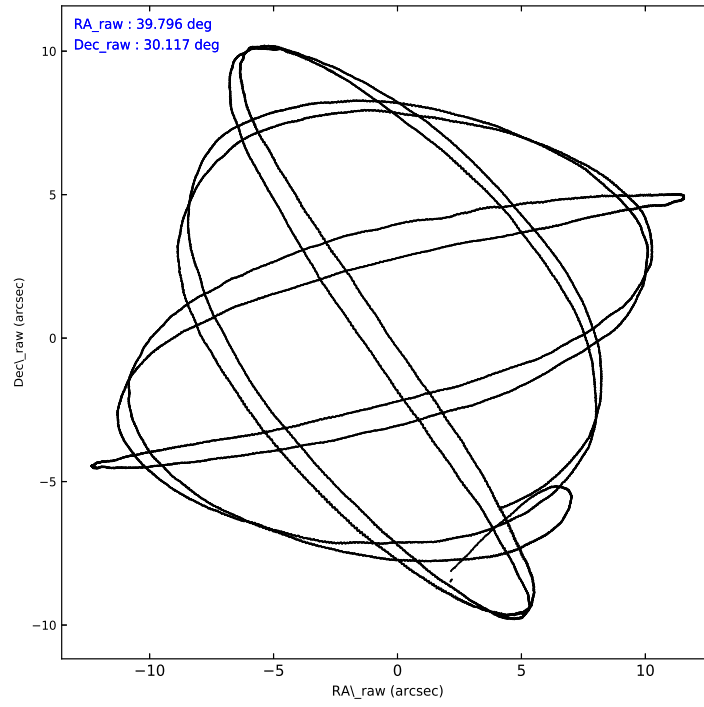
2.1.4 Events

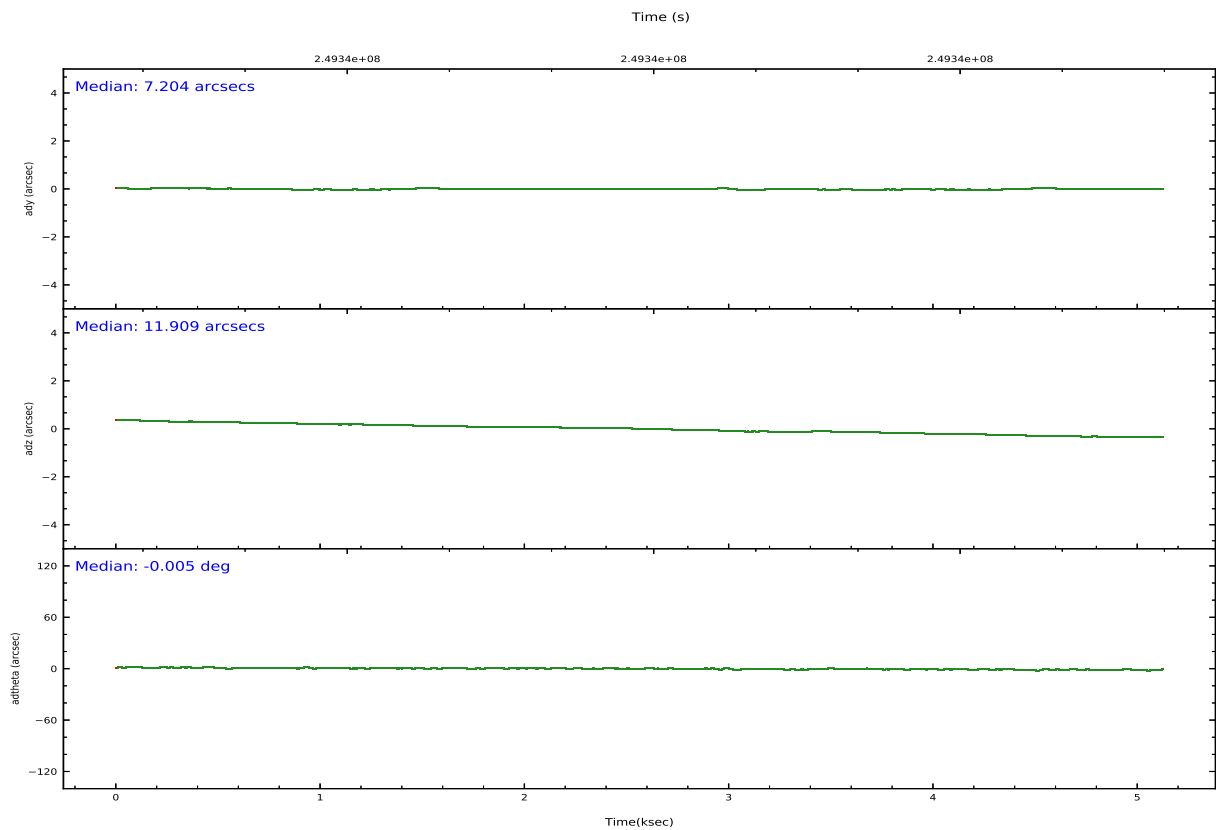
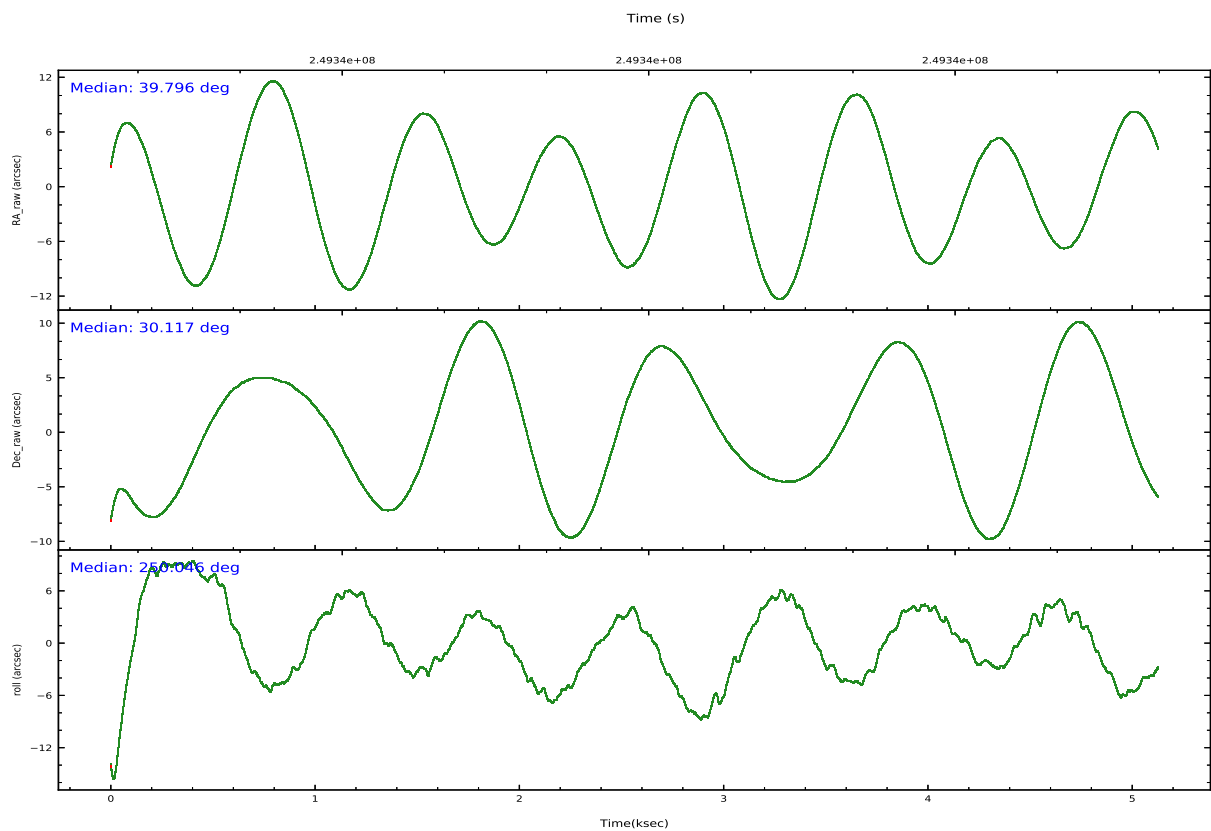
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46180	42322	68982	45226	61241	55503	grade 0 events	2480	2228	3820	2117	2303	3943
rejected events	41212	37511	39066	40308	37753	44557		5%	5%	5%	4%	3%	7%
rejected %	89%	88%	56%	89%	61%	80%	grade 1 events	21	22	107	24	56	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	1044	1026	9728	1084	5206	2614
								2%	2%	14%	2%	8%	4%
							grade 3 events	516	553	1236	547	2277	1309
								1%	1%	1%	1%	3%	2%
							grade 4 events	503	502	1146	504	2179	1198
								1%	1%	1%	1%	3%	2%
							grade 5 events	1833	2020	4982	2108	5863	2660
								3%	4%	7%	4%	9%	4%
							grade 6 events	840	909	16569	1094	13491	3032
								1%	2%	24%	2%	22%	5%
							grade 7 events	38943	35062	31394	37748	29866	40697
								84%	82%	45%	83%	48%	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	39.789500	39.792621510748	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.143930	30.120306465051	Alternating exposures requested	N	N
[deg] Pointing Roll	249.894633	250.04631724802	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	249339014.184000	249337741.94647			
Observation start date	2005-11-25T20:49:10	2005-11-25T20:29:01			
[s] Observation end time (MET)	249343994.184000	249344428.02178			
Observation end date	2005-11-25T22:12:10	2005-11-25T22:20:28			
Read mode	TIMED	TIMED			

2.3 Aspect



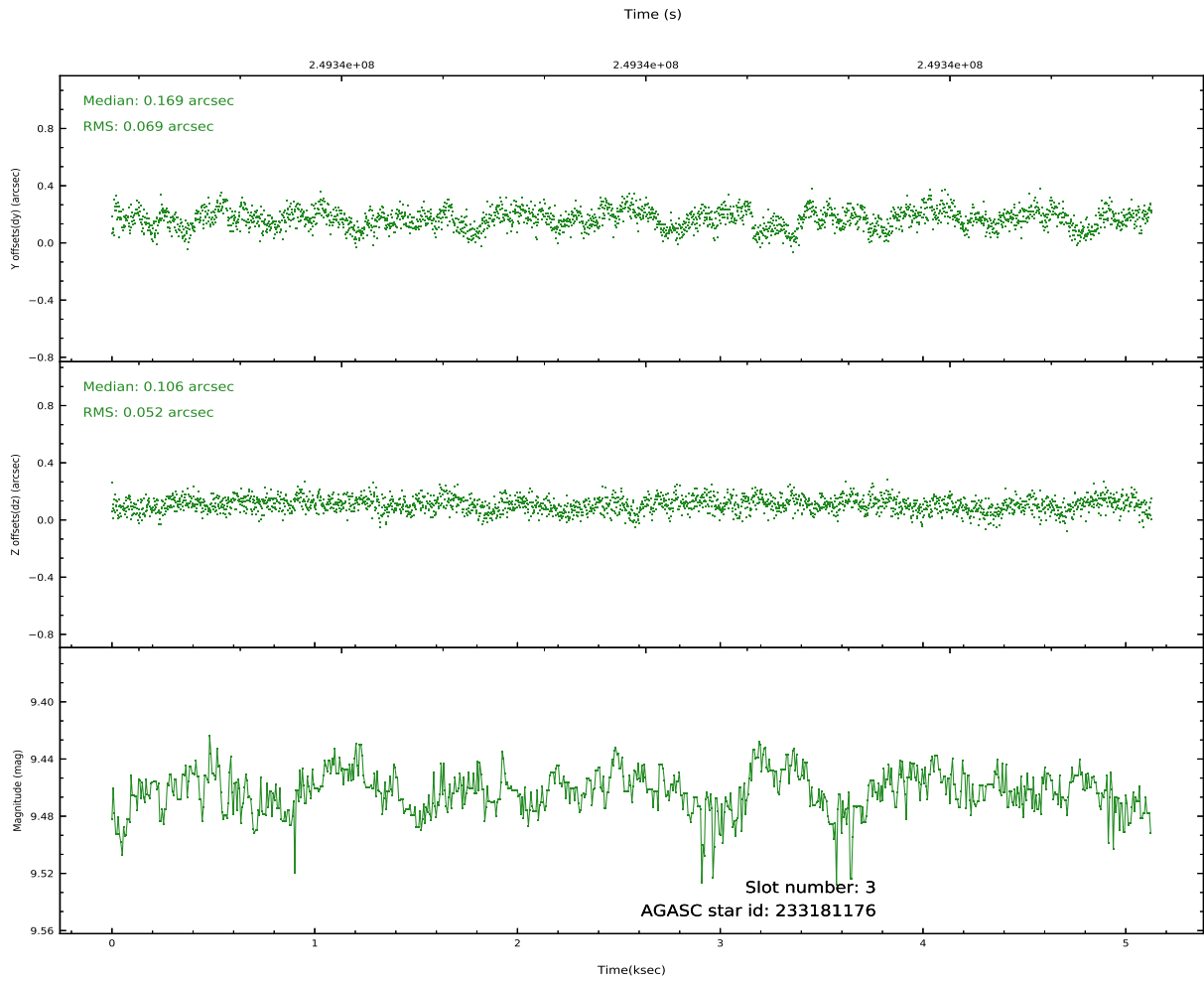
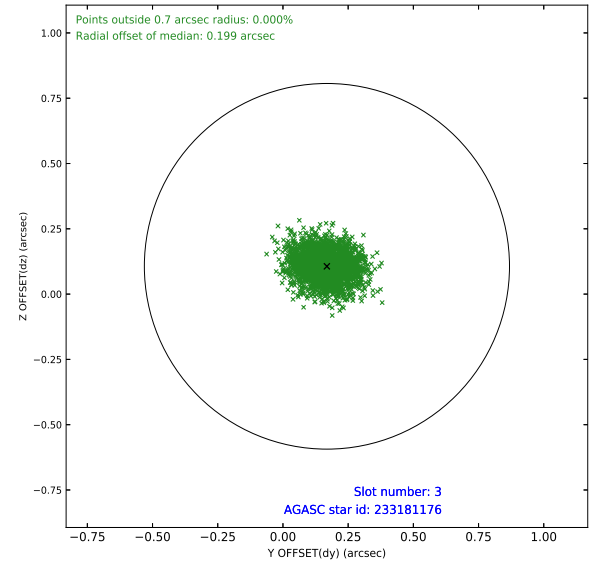
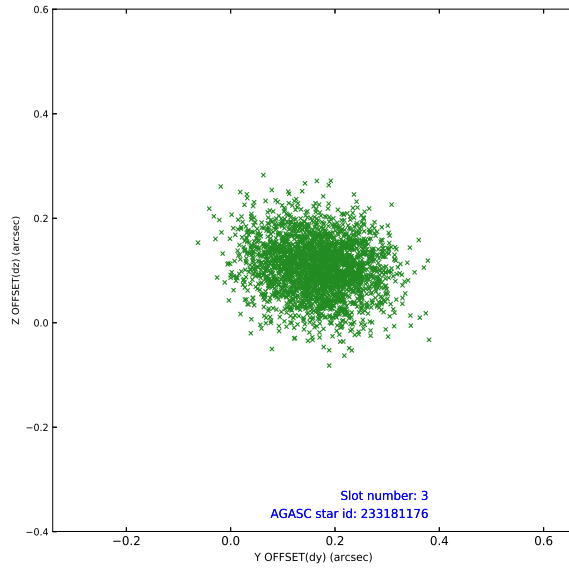


Slot Statistics

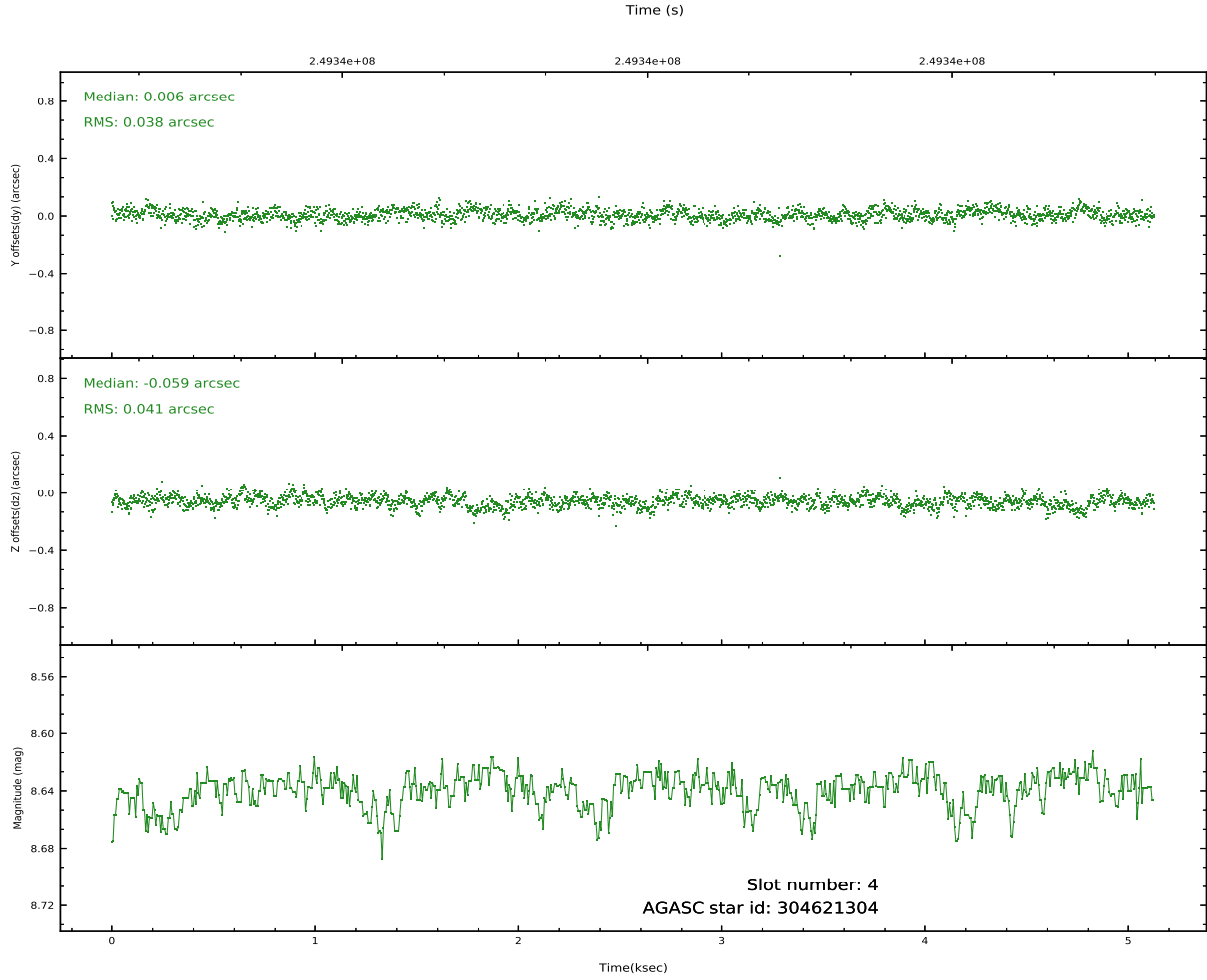
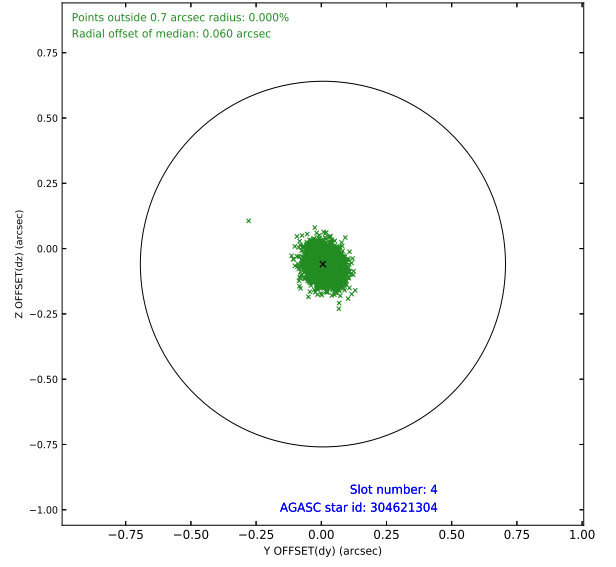
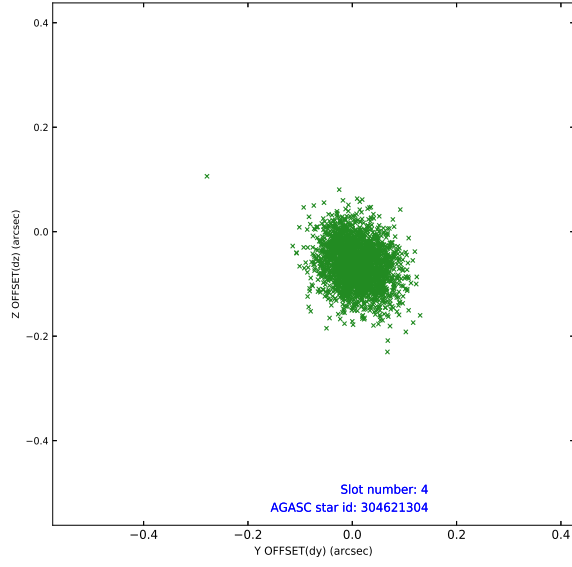
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1251	1.000	-0.061	-0.066	0.009	0.014	0.000000	0.000000	-759.98	-1733
1	FID		ACIS-S-4	7.20	1251	1.000	0.142	0.047	0.006	0.012	0.000000	0.000000	2152.92	174
2	FID		ACIS-S-5	7.23	1251	1.000	-0.112	0.028	0.008	0.013	0.000000	0.000000	-1811.39	169
3	GUIDE	used	233181176	9.46	2499	1.000	0.169	0.106	0.093	0.150	39.397096	29.752990	1741.98	-668
4	GUIDE	used	304621304	8.64	2502	1.000	0.006	-0.059	0.059	0.096	40.081648	30.372302	-1084.13	568
5	GUIDE	used	304621560	8.46	2502	1.000	-0.053	-0.042	0.066	0.104	39.224210	30.172700	503.37	-1689
6	GUIDE	used	304621632	9.03	2499	1.000	-0.076	0.007	0.088	0.144	39.221579	30.278385	148.90	-1826
7	GUIDE	used	233181144	7.48	2499	1.000	-0.047	-0.010	0.066	0.103	39.010695	29.874464	1739.50	-1953

2.4 Star Slots

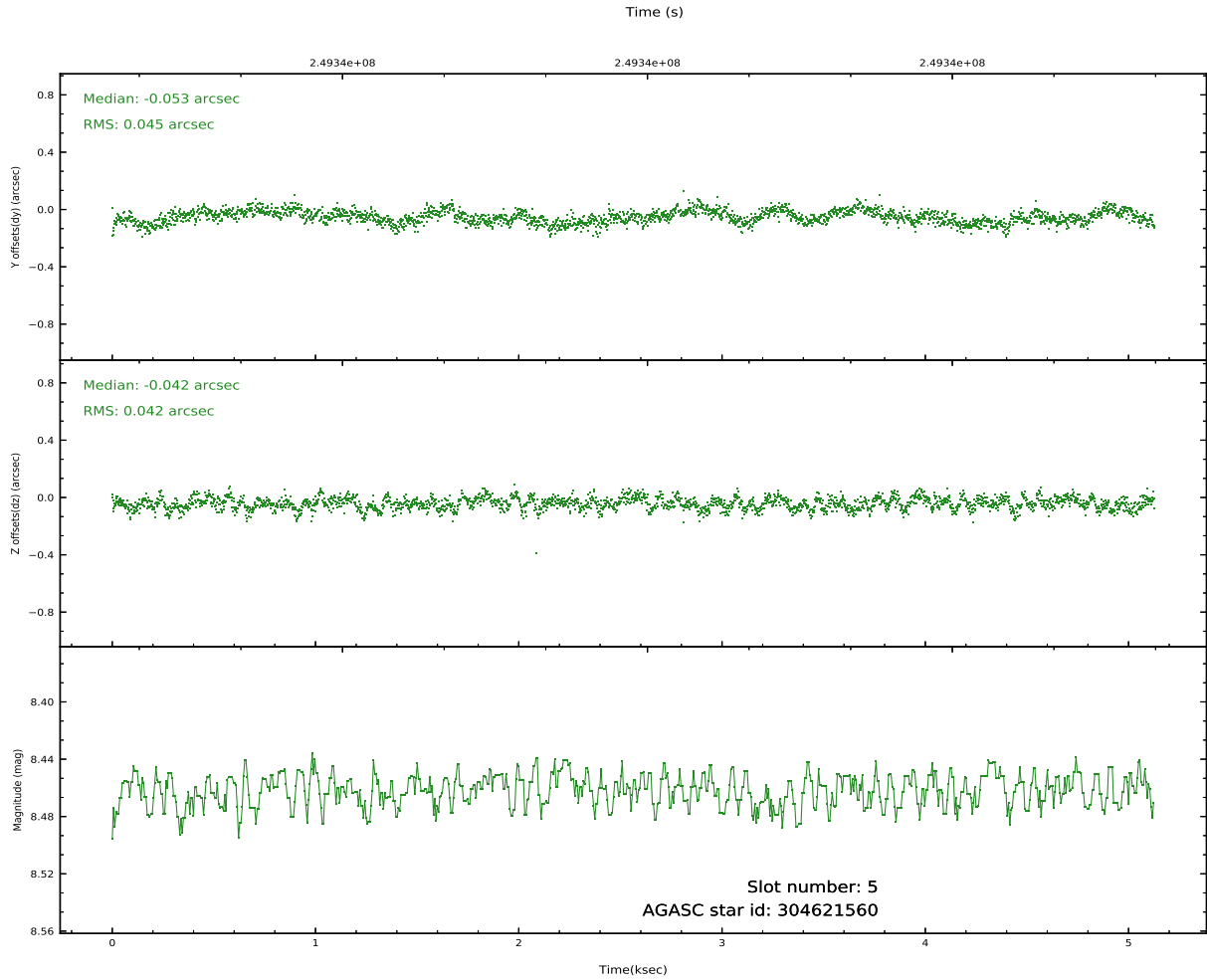
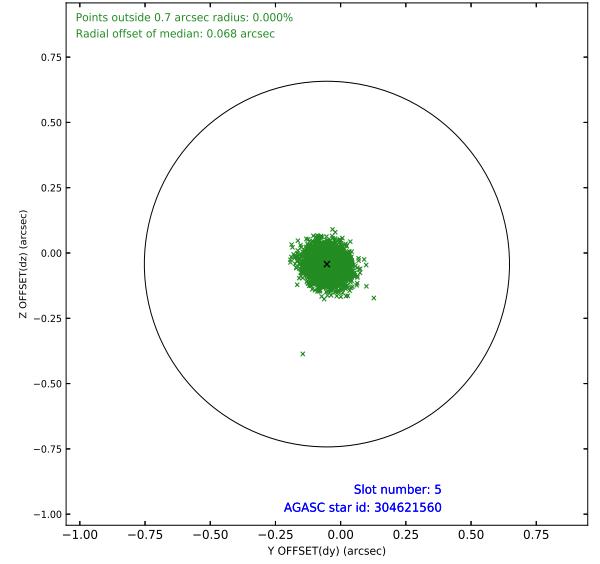
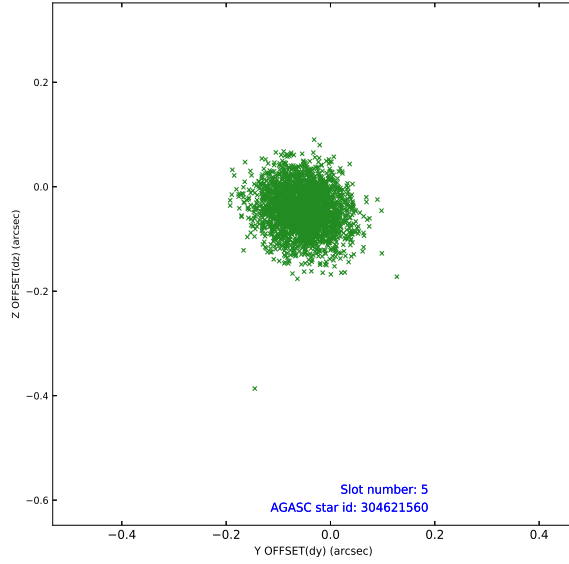
2.4.1 Slot 3



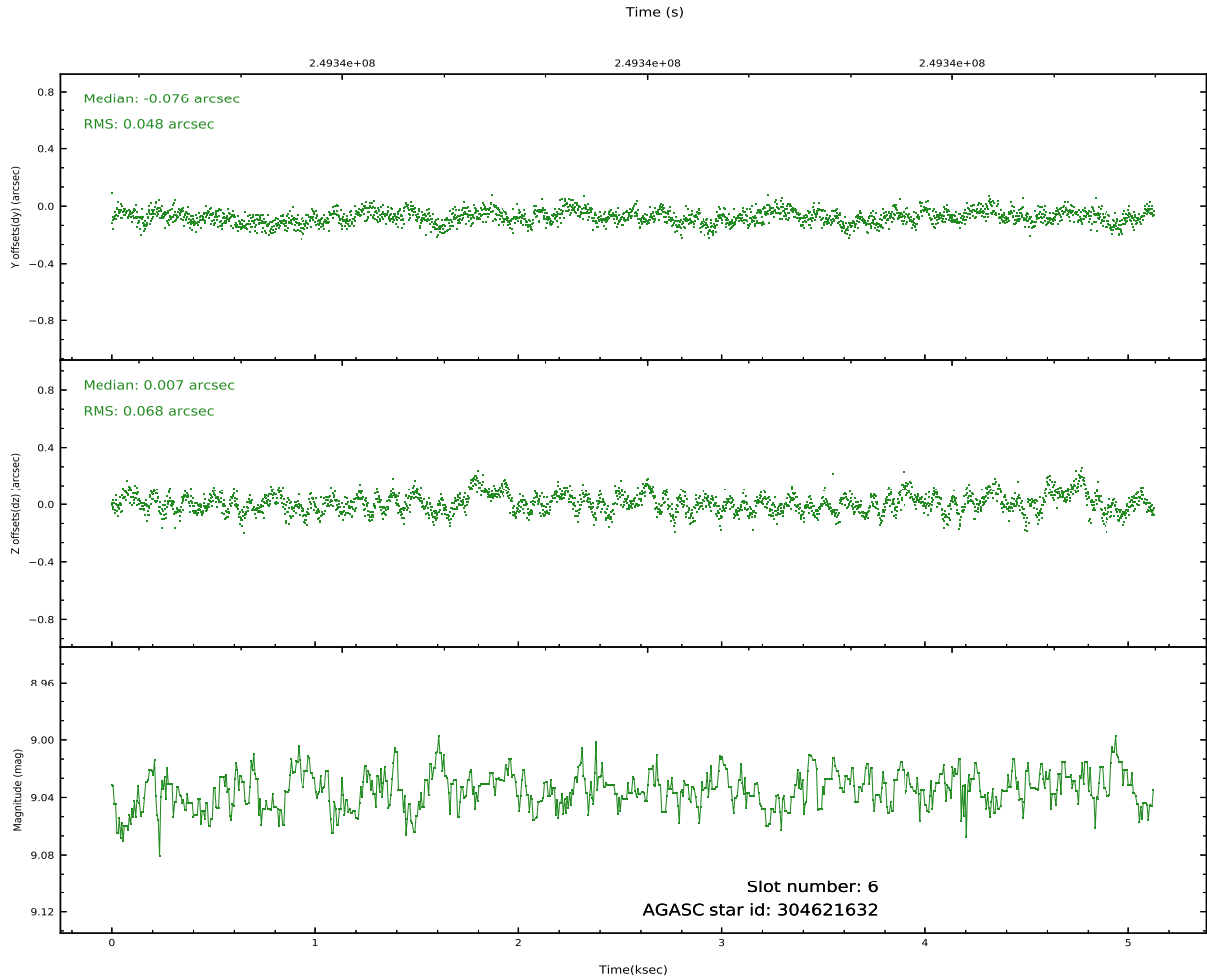
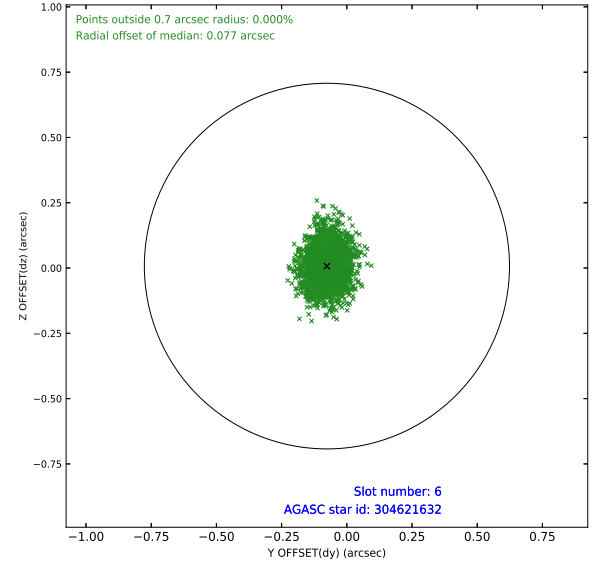
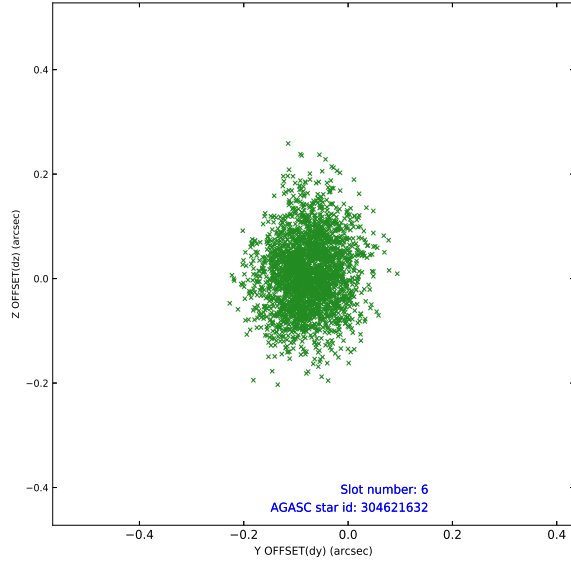
2.4.2 Slot 4



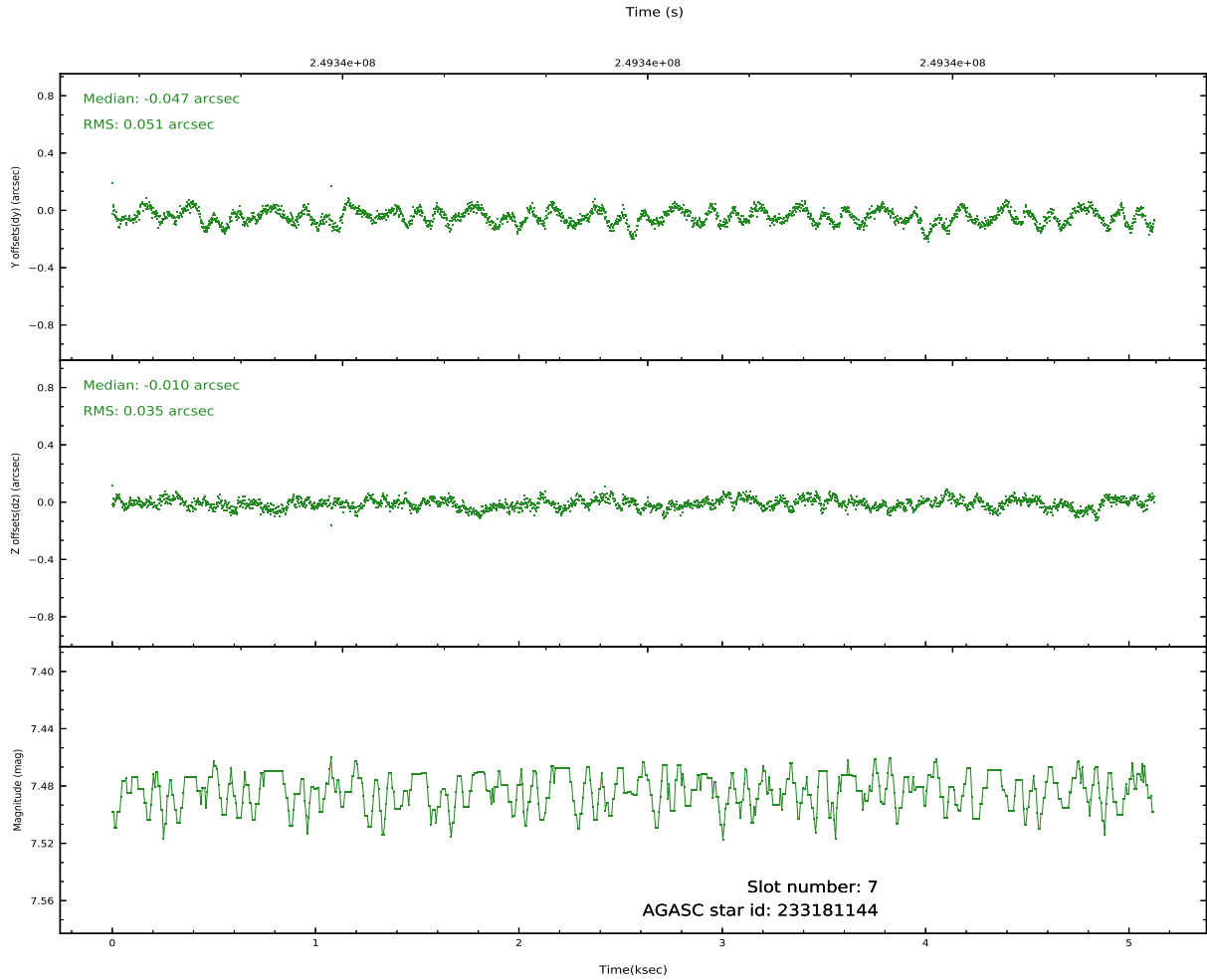
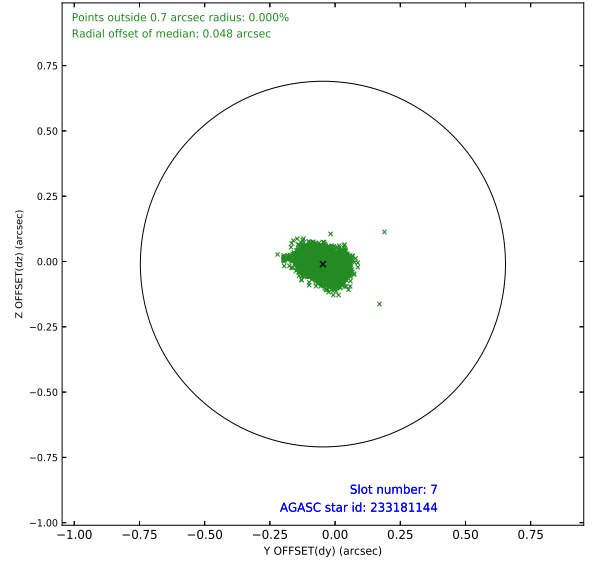
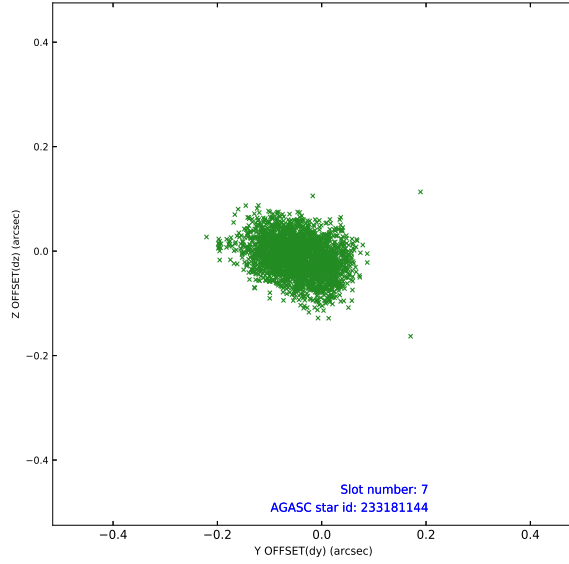
2.4.3 Slot 5



2.4.4 Slot 6

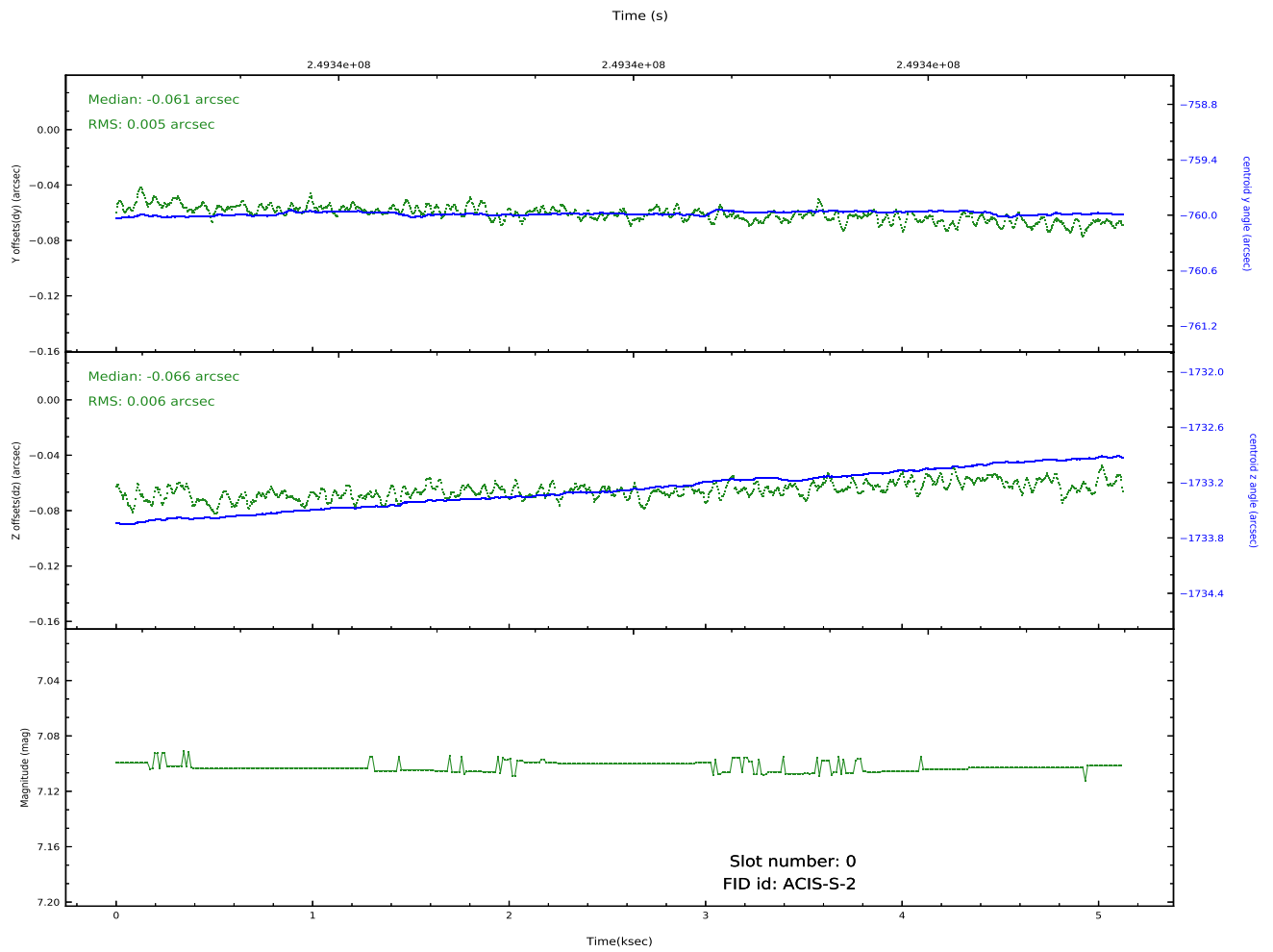
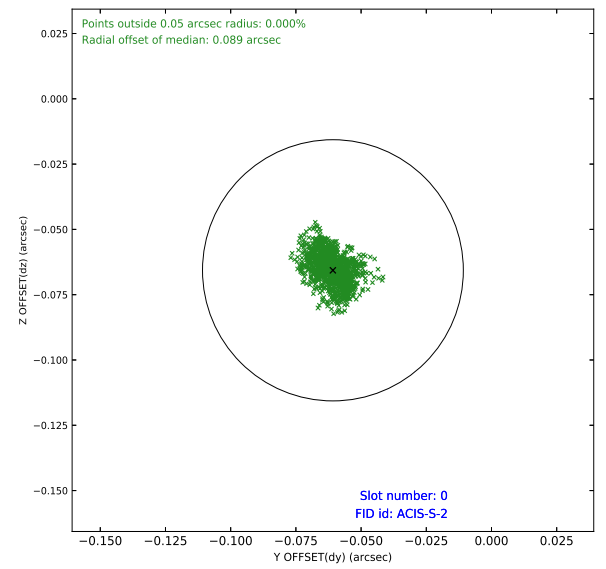
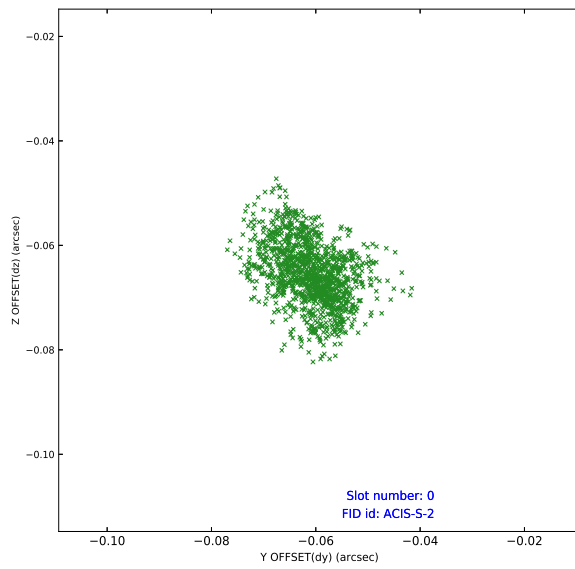


2.4.5 Slot 7

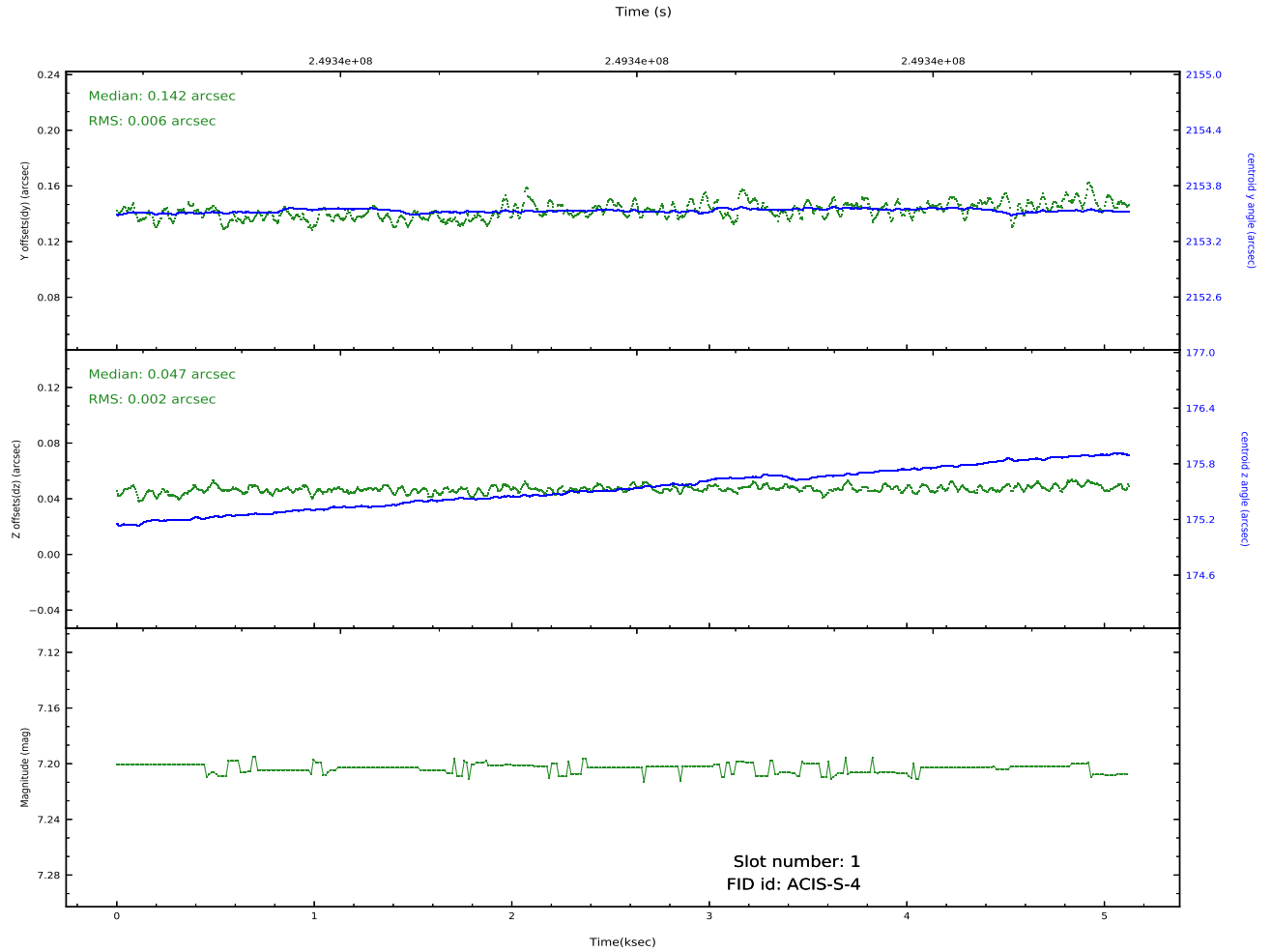
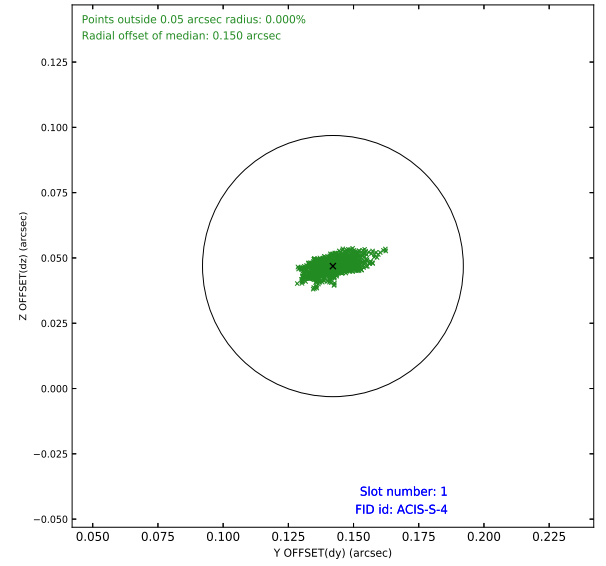
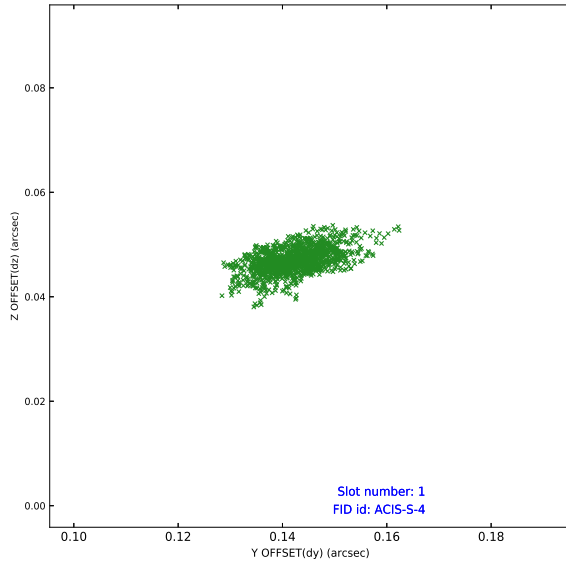


2.5 FID Slots

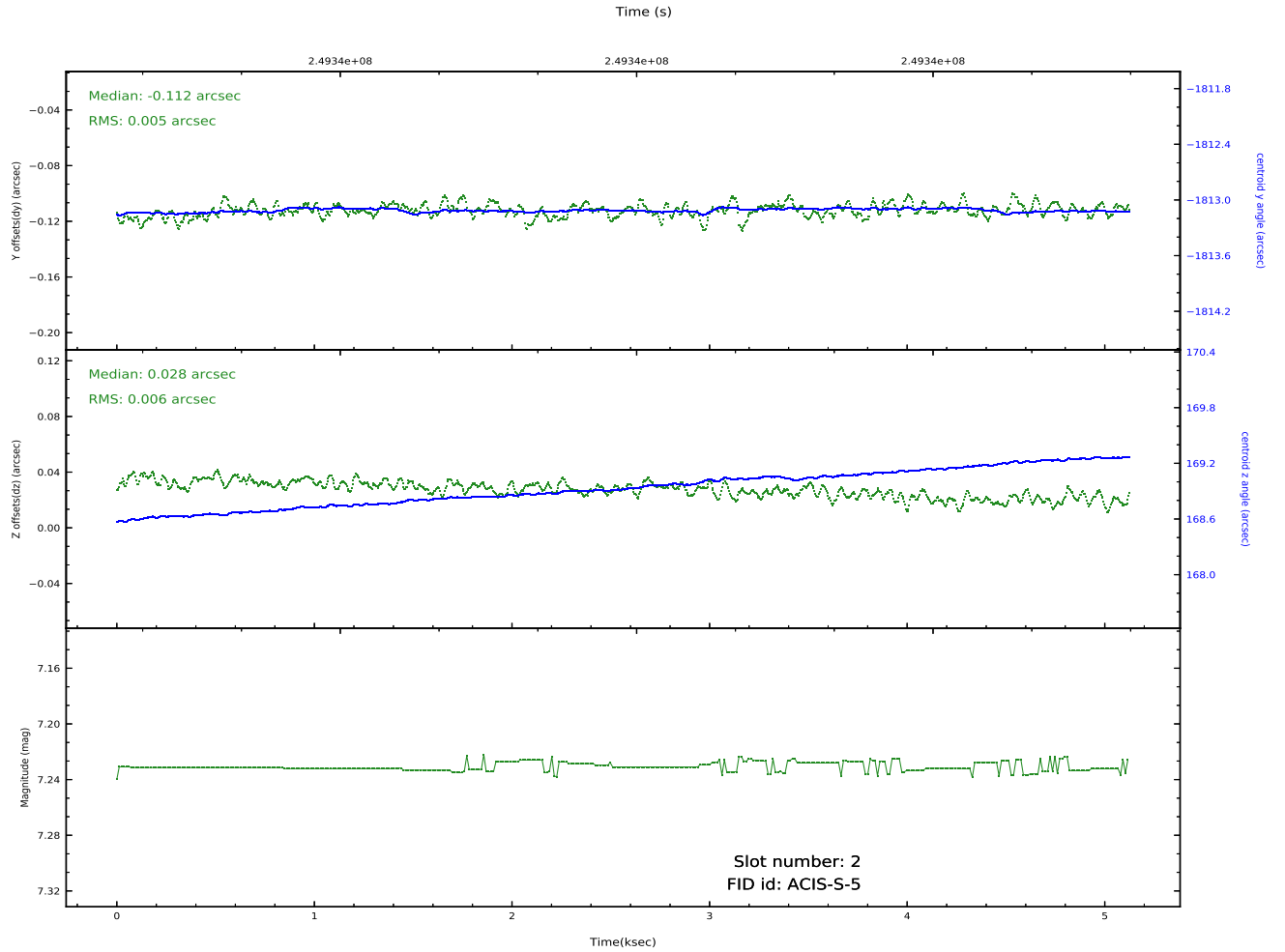
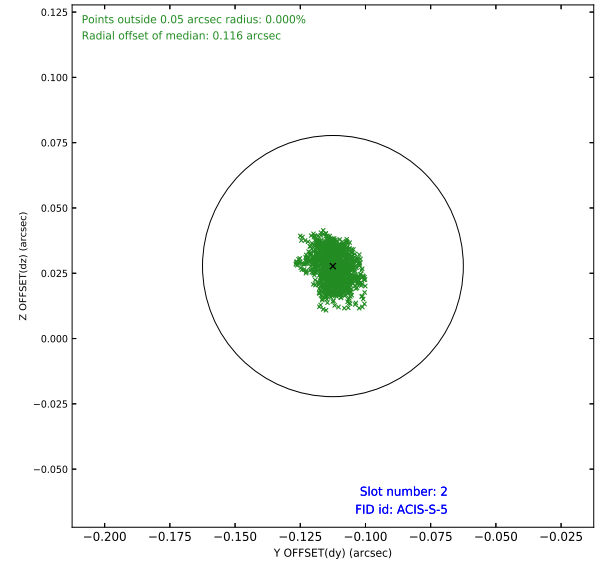
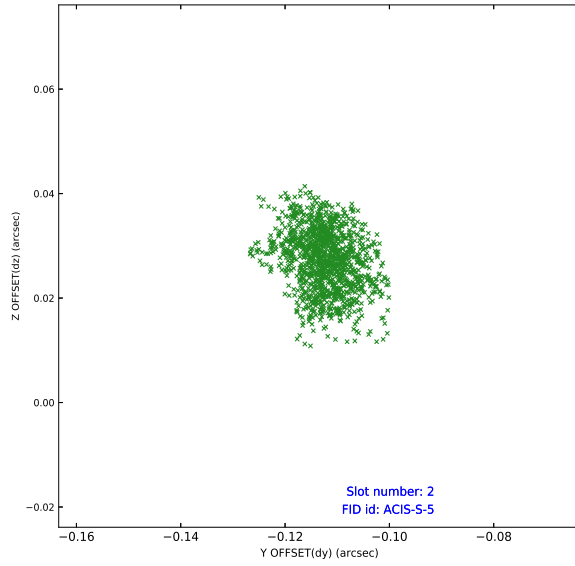
2.5.1 Slot 0



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	5.119999

A.2 Comments