

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6275 - L2 Version 4
Chandra X-Ray Center

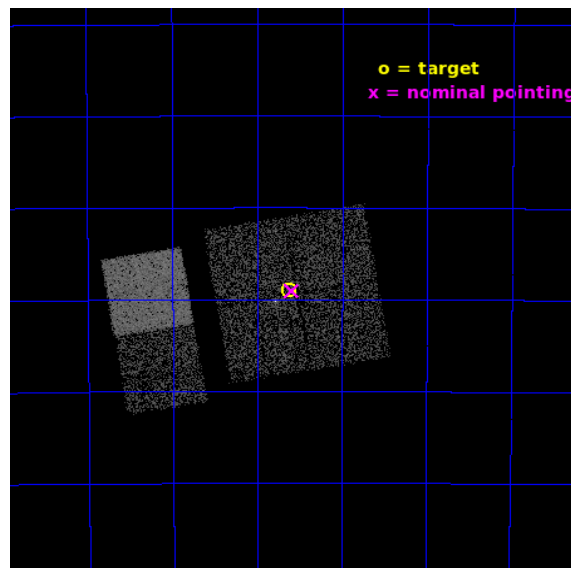
L2 Processing Date : Oct 8 2020

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1 Front

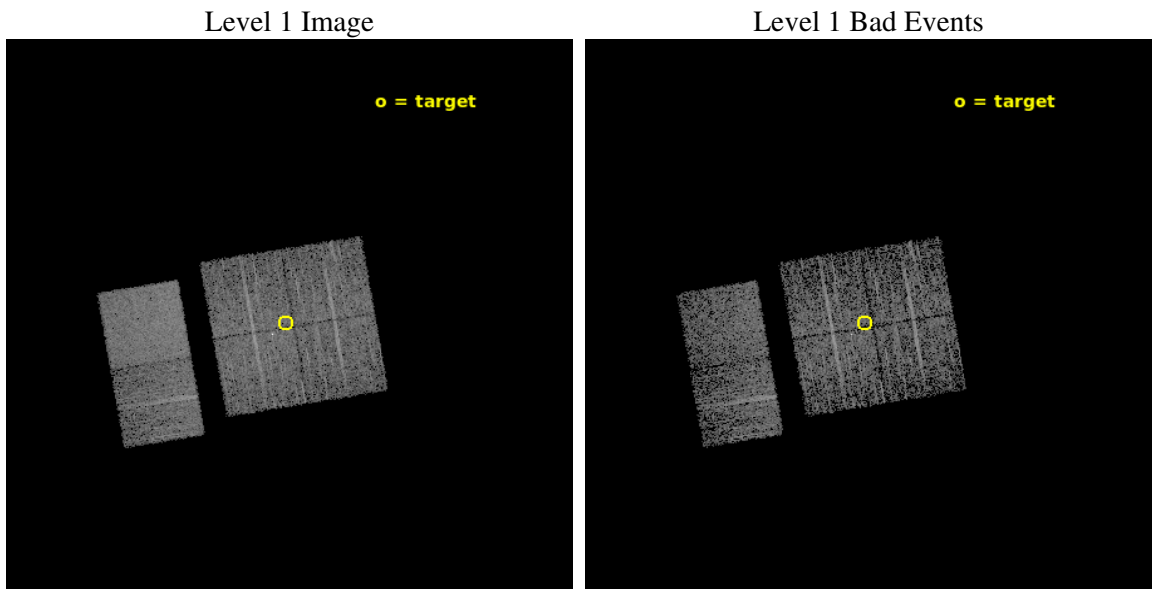
seq_num	701177	Sequence number
obs_id	6275	Observation id
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Prof. Rashid Sunyaev	Principal investigator
object	IGR J12026-5349	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	180.657083	Observer's specified target RA [deg]
dec_targ	-53.816	Observer's specified target Dec [deg]
ra_nom	180.64822993084	Nominal RA [deg]
dec_nom	-53.817572451876	Nominal Dec [deg]
roll_nom	260.46160963278	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3259.5988046825	Sum of GTIs [s]
livetime	3218.3238019228	Livetime [s]
ontime0	3259.4756847024	Sum of GTIs [s]
ontime1	3259.5167246759	Sum of GTIs [s]
ontime2	3259.5577646792	Sum of GTIs [s]
ontime3	3259.5988046825	Sum of GTIs [s]
ontime6	3259.6808846891	Sum of GTIs [s]
ontime7	3259.6398446858	Sum of GTIs [s]
l2events	27081	Number of level 2 events



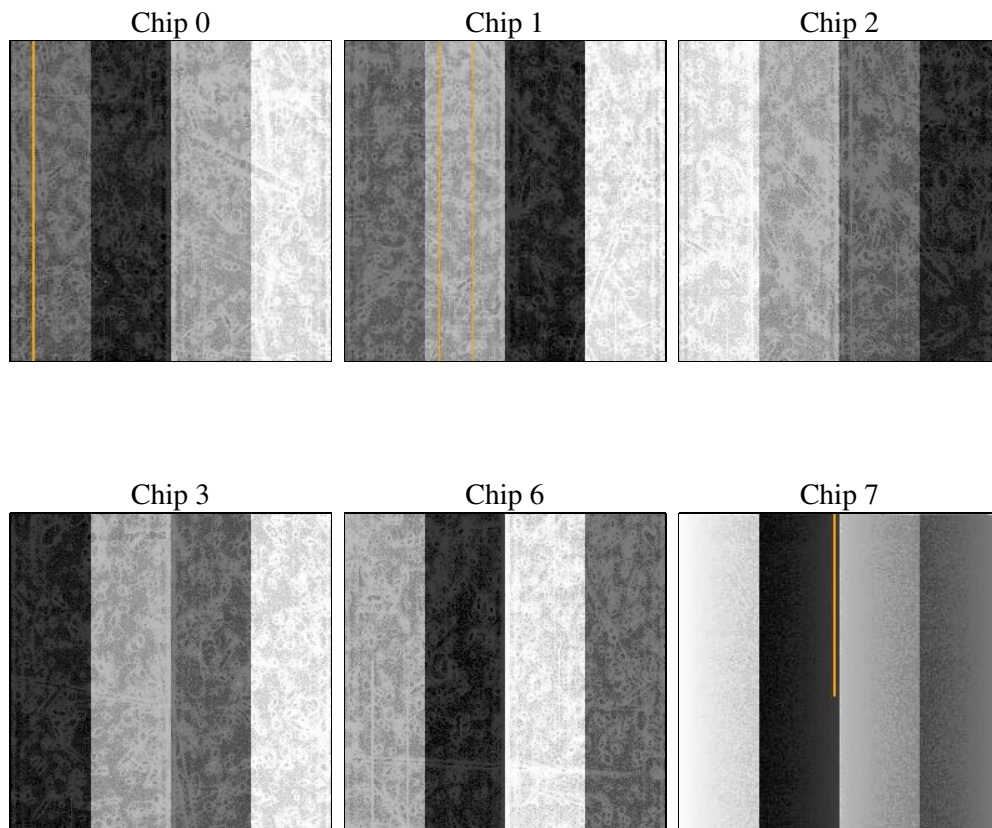
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3259.5988046825	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	3259.4756847024	Sum of GTIs [s]
date	2020-10-09T00:40:04	Date and time of file creation	ontime1	3259.5167246759	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3259.5577646792	Sum of GTIs [s]
			ontime3	3259.5988046825	Sum of GTIs [s]
			ontime6	3259.6808846891	Sum of GTIs [s]
			ontime7	3259.6398446858	Sum of GTIs [s]
			l1events	149137	Number of level 1 events

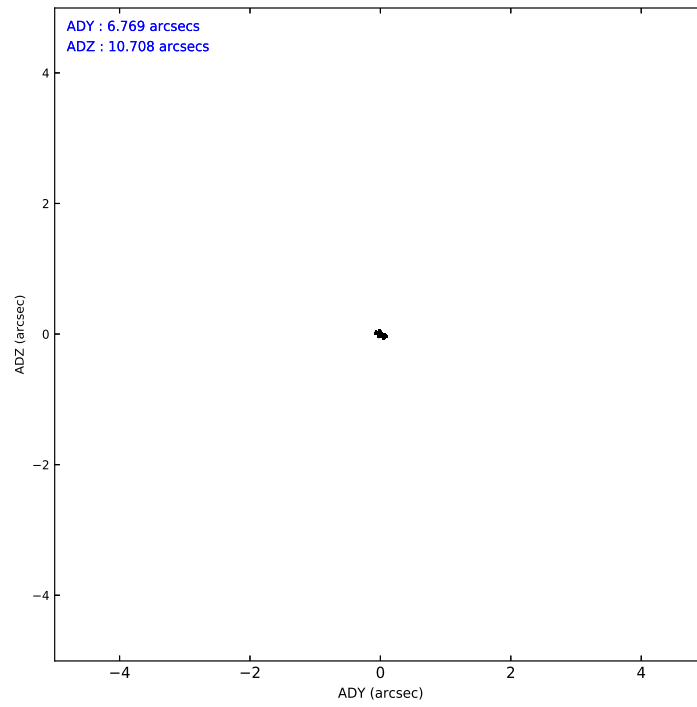
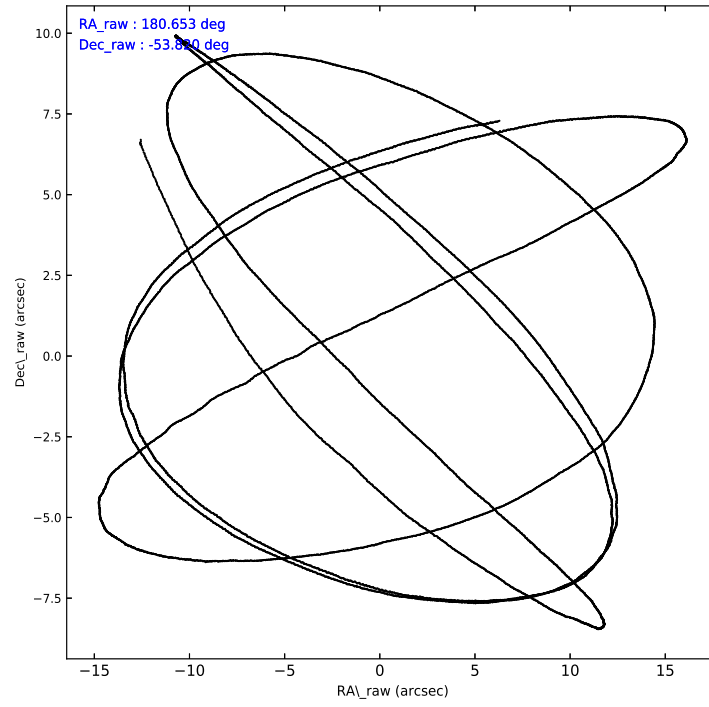
2.1.4 Events

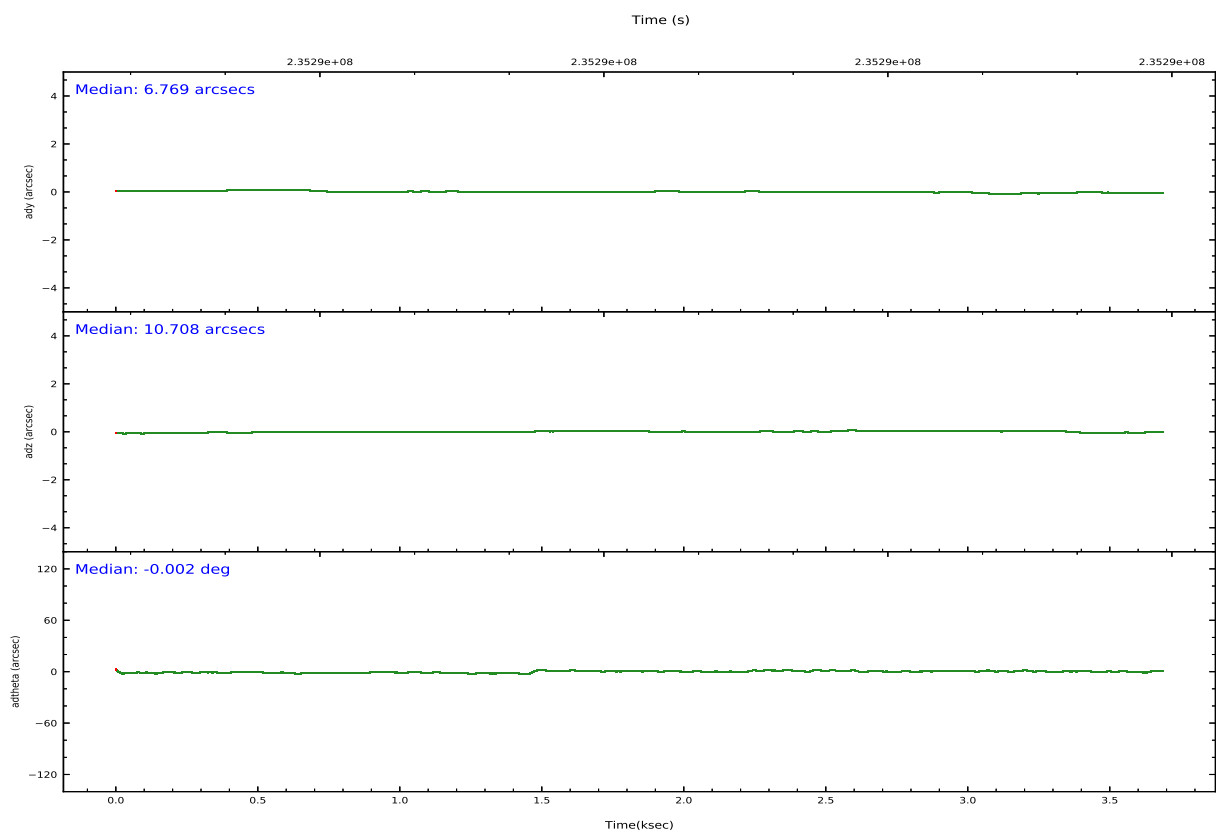
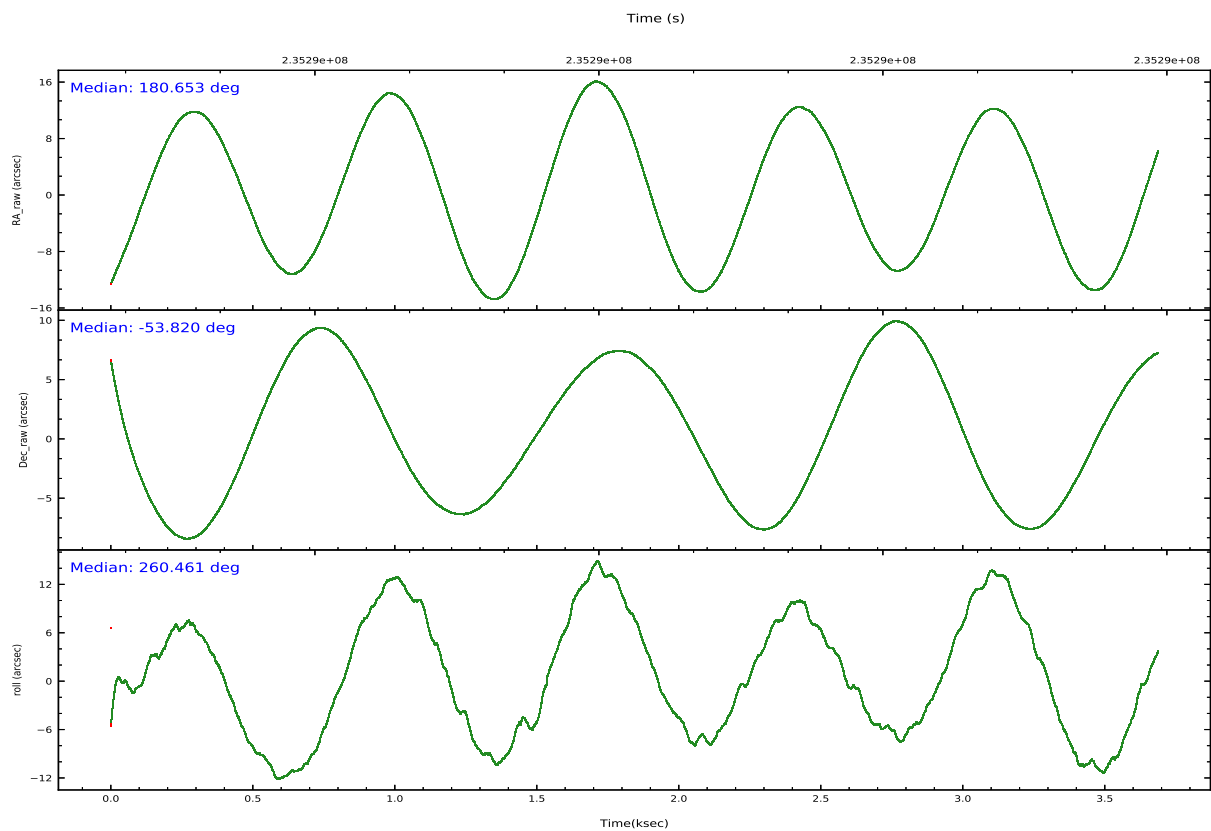
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21506	22215	25827	22728	23514	33347	grade 0 events	1298	1239	1852	1296	1135	1191
rejected events	18517	19033	21892	19767	20698	19554		6%	5%	7%	5%	4%	3%
rejected %	86%	85%	84%	86%	88%	58%	grade 1 events	18	11	112	27	12	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	633	719	800	602	582	2887
								2%	3%	3%	2%	2%	8%
							grade 3 events	311	287	350	284	289	1205
								1%	1%	1%	1%	1%	3%
							grade 4 events	279	293	355	269	257	1206
								1%	1%	1%	1%	1%	3%
							grade 5 events	963	1073	1080	1048	1085	3211
								4%	4%	4%	4%	4%	9%
							grade 6 events	472	648	579	514	555	7319
								2%	2%	2%	2%	2%	21%
							grade 7 events	17532	17945	20699	18688	19599	16300
								81%	80%	80%	82%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	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	180.636486	180.64822993084	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.794299	-53.817572451876	Alternating exposures requested	N	N
[deg] Pointing Roll	260.242841	260.46160963278	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	235289470.184000	235288605.96374			
Observation start date	2005-06-16T06:10:06	2005-06-16T05:56:45			
[s] Observation end time (MET)	235292970.184000	235293608.98897			
Observation end date	2005-06-16T07:08:26	2005-06-16T07:20:08			
Read mode	TIMED	TIMED			

2.3 Aspect



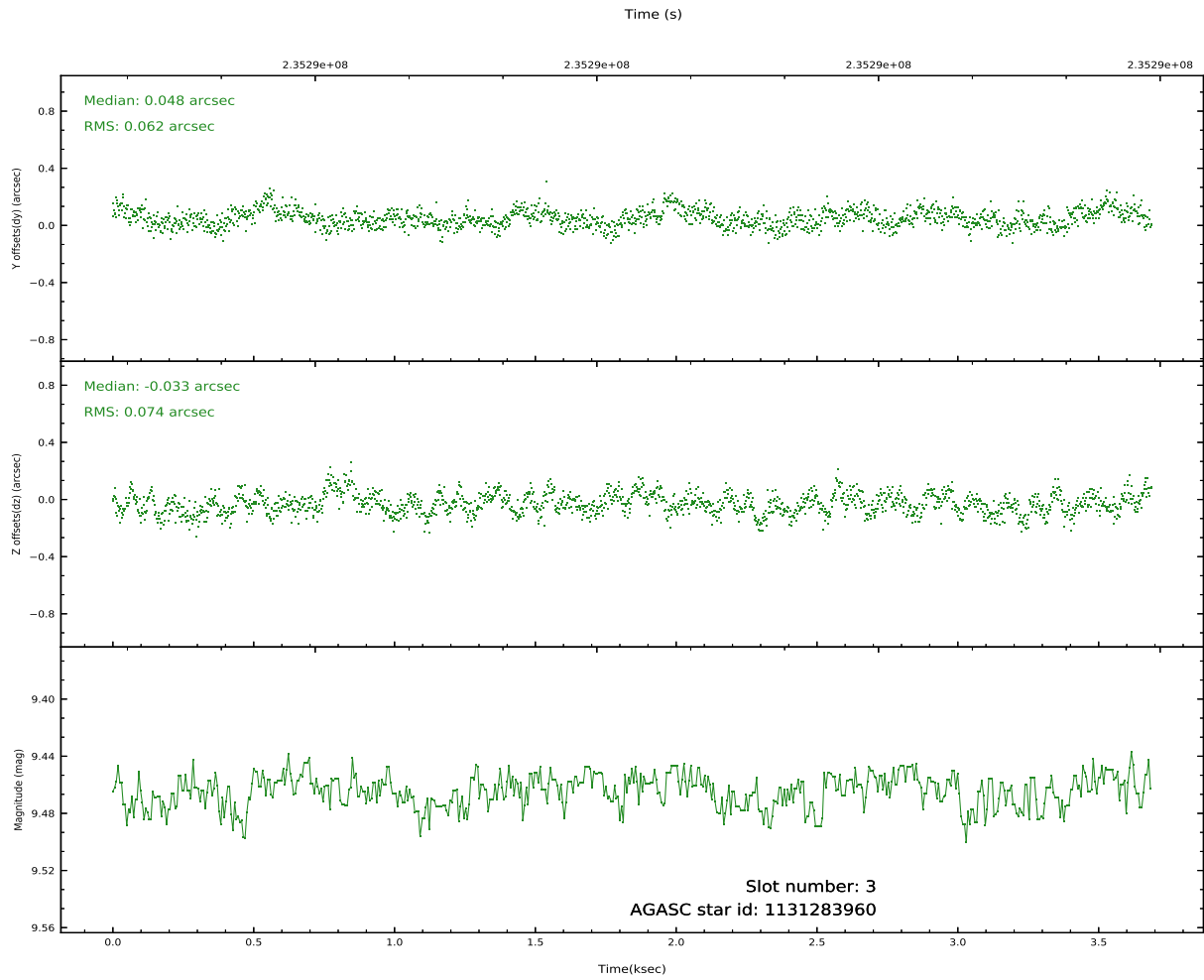
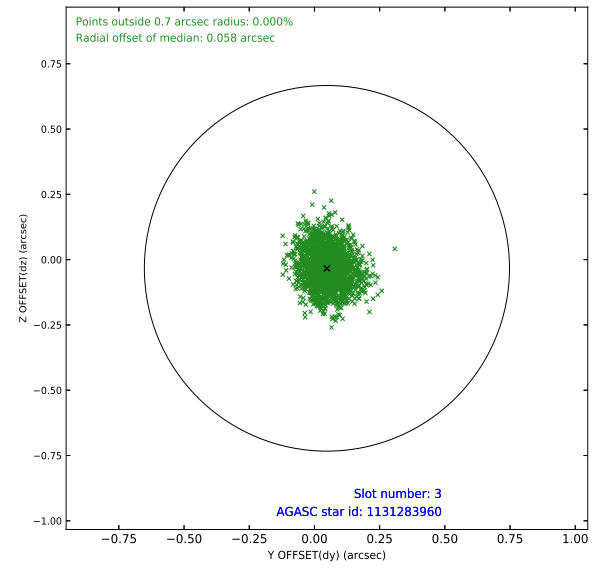
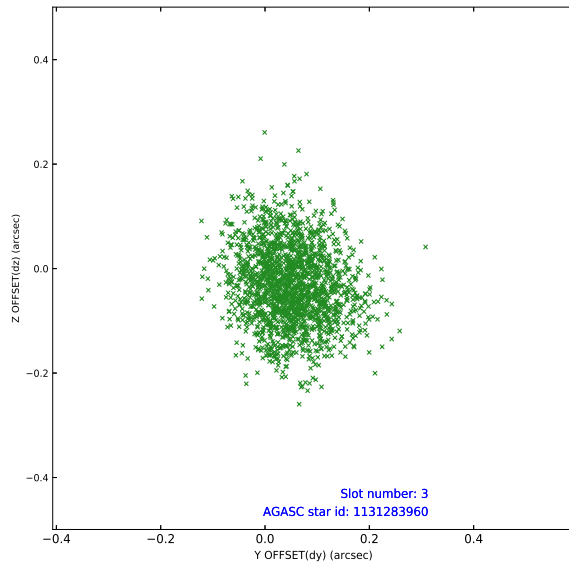


Slot Statistics

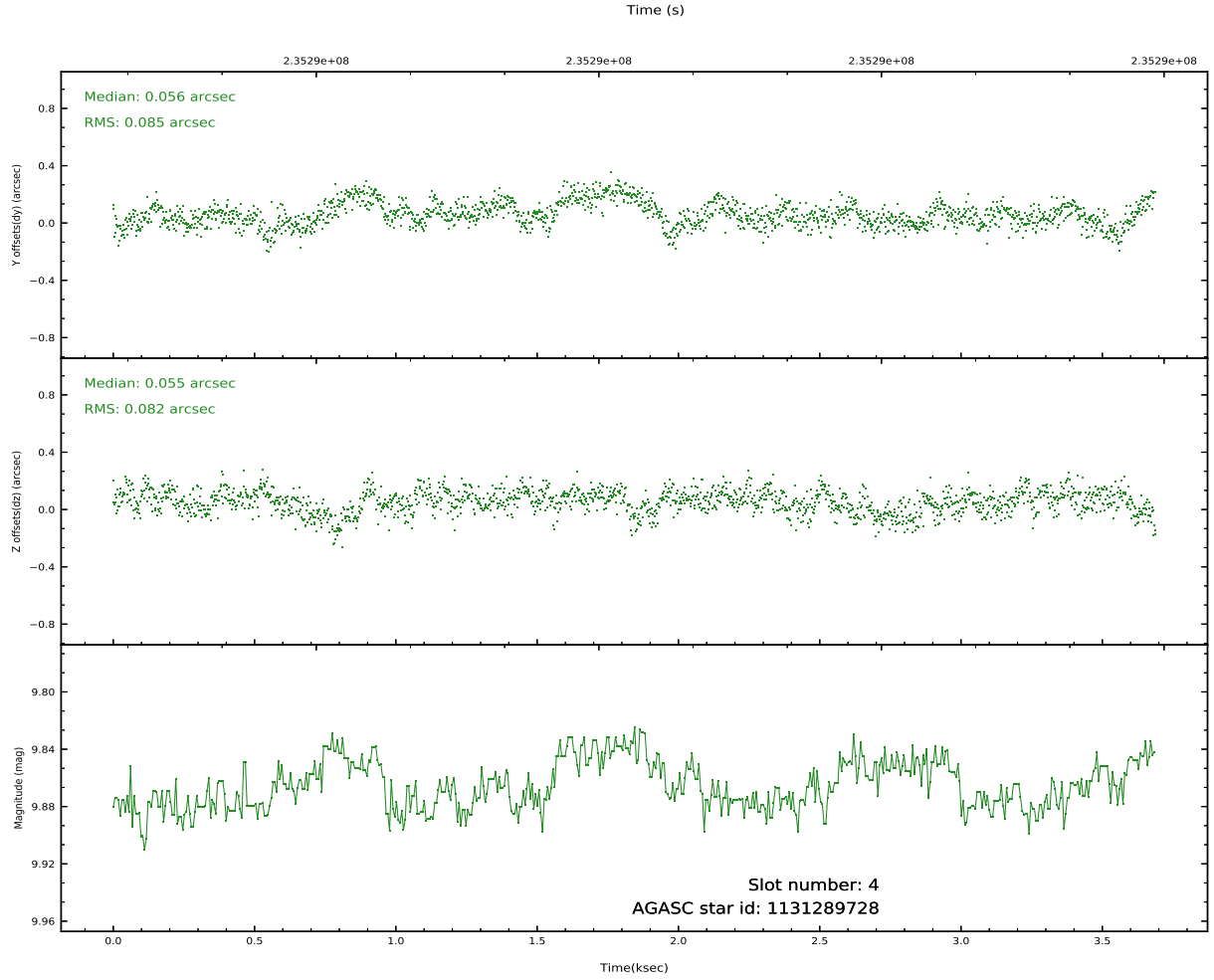
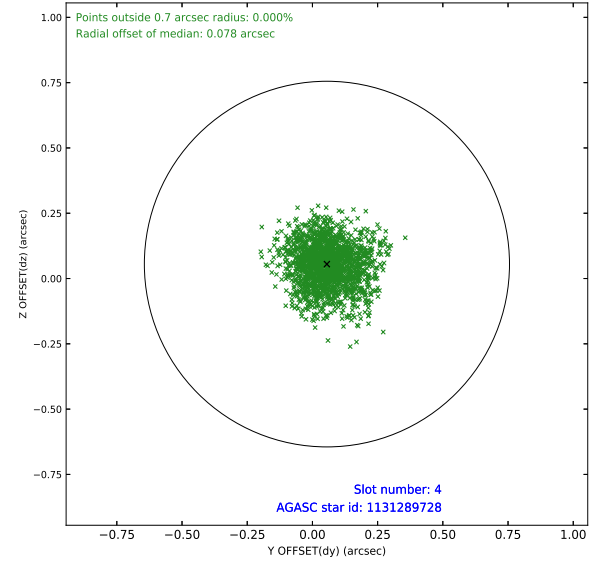
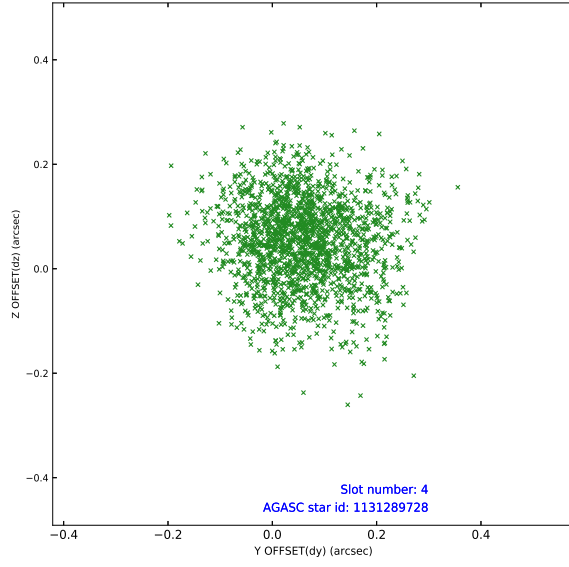
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	900	1.000	-0.016	-0.037	0.015	0.026	0.000000	0.000000	932.90	-834
1	FID		ACIS-I-4	7.18	899	1.000	0.159	0.056	0.014	0.022	0.000000	0.000000	2154.07	1064
2	FID		ACIS-I-5	7.23	900	1.000	-0.241	0.051	0.007	0.013	0.000000	0.000000	-1813.13	1064
3	GUIDE	used	1131283960	9.46	1797	1.000	0.048	-0.033	0.103	0.164	179.879225	-53.627479	-309.38	-1693
4	GUIDE	used	1131289728	9.87	1800	1.000	0.056	0.055	0.126	0.210	179.887474	-53.280026	-1543.31	-1902
5	GUIDE	used	1131418344	6.90	1800	1.000	0.059	-0.014	0.070	0.102	181.505909	-54.257762	1344.23	2085
6	GUIDE	used	1131423304	8.57	1798	1.000	-0.052	0.001	0.062	0.103	180.011927	-54.278632	1947.16	-995
7	GUIDE	used	1131430184	6.96	1799	1.000	-0.118	-0.008	0.057	0.091	180.967486	-53.498202	-1168.29	517

2.4 Star Slots

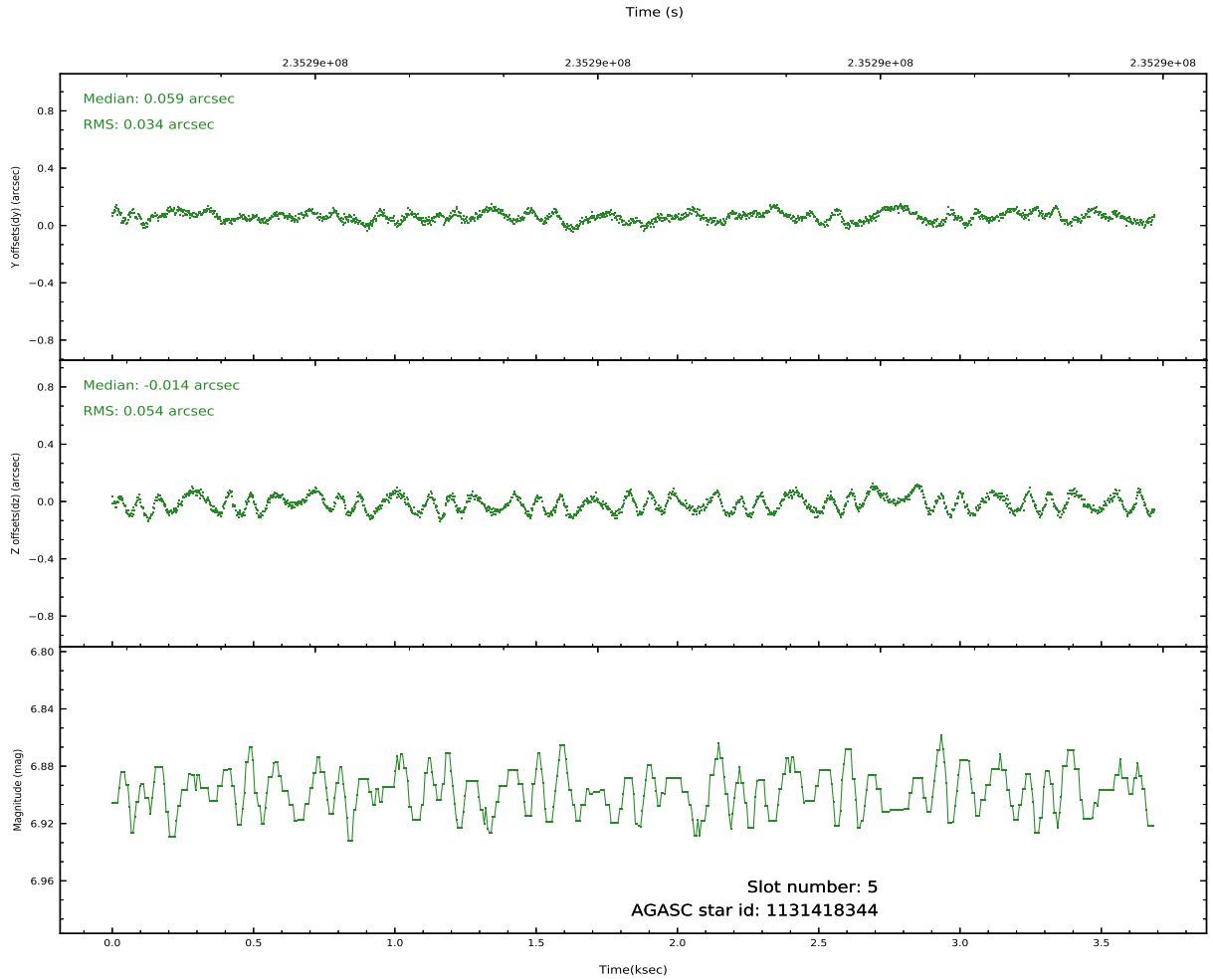
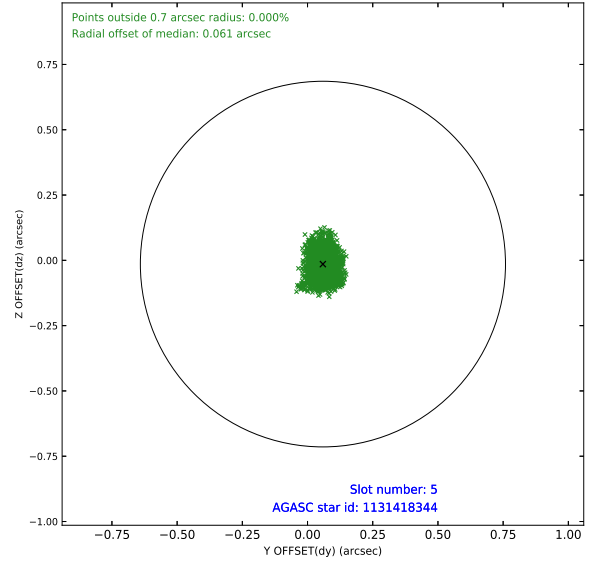
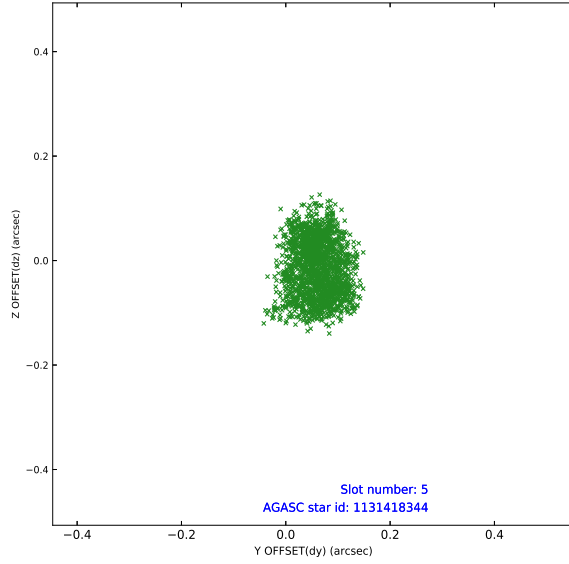
2.4.1 Slot 3



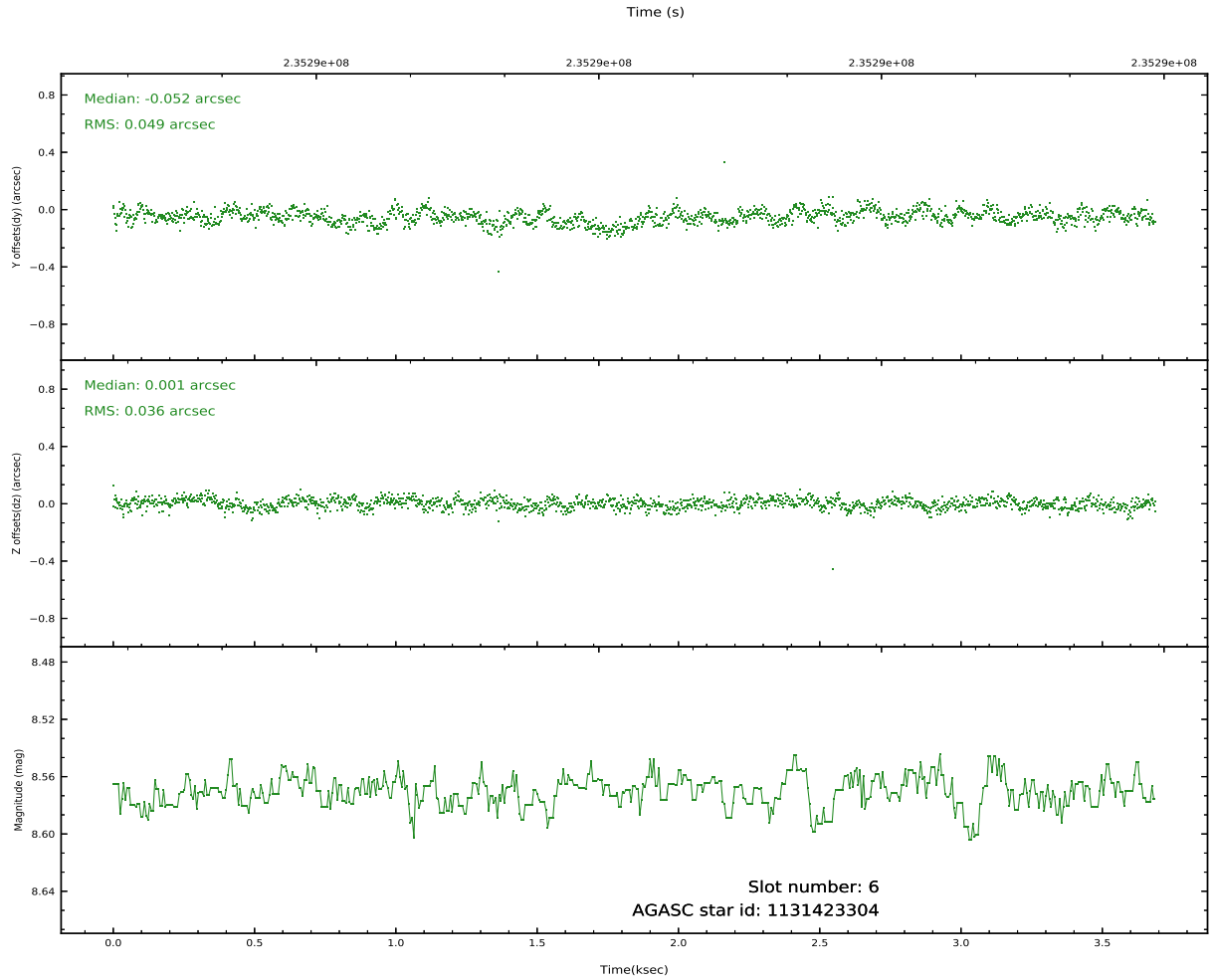
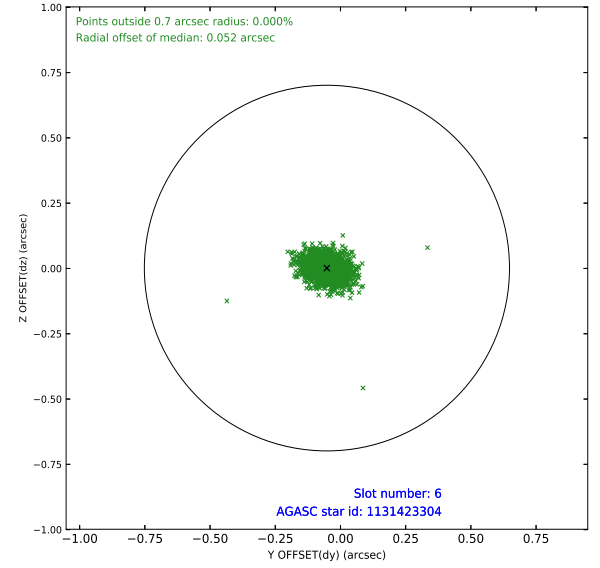
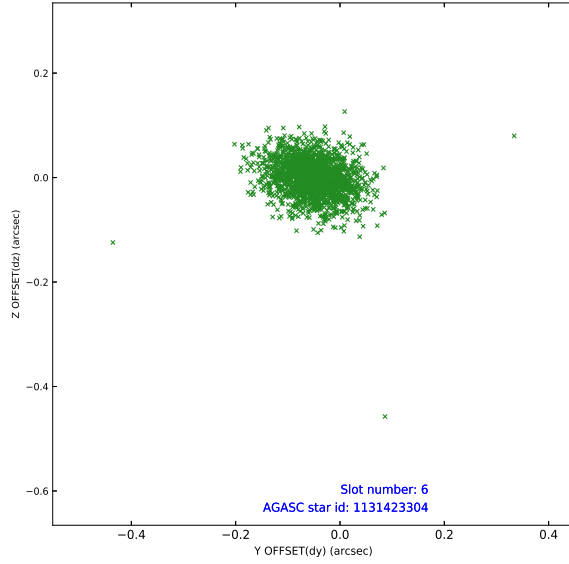
2.4.2 Slot 4



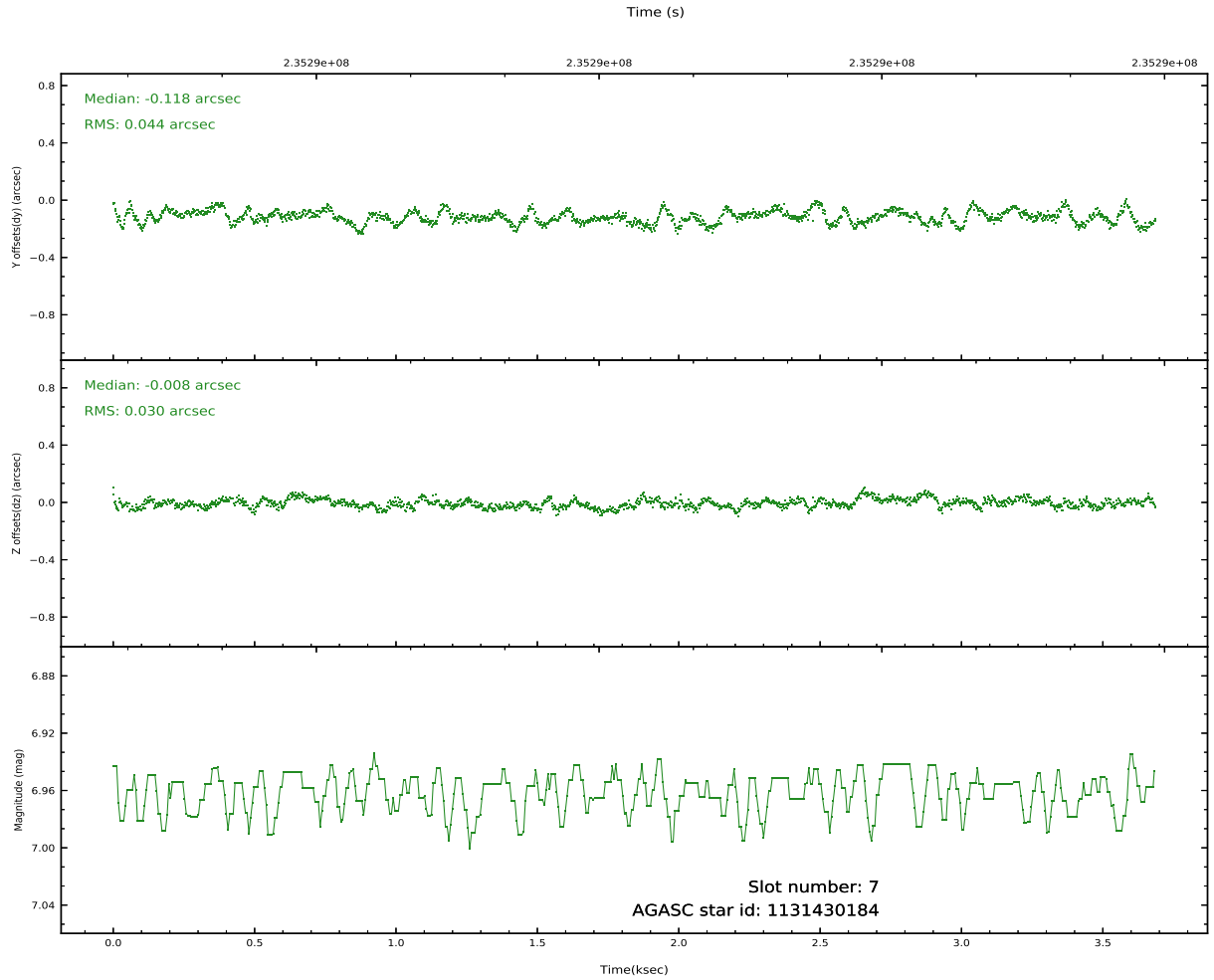
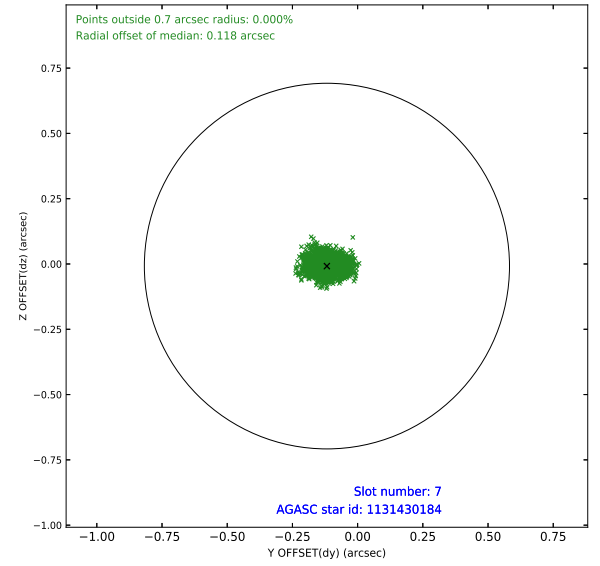
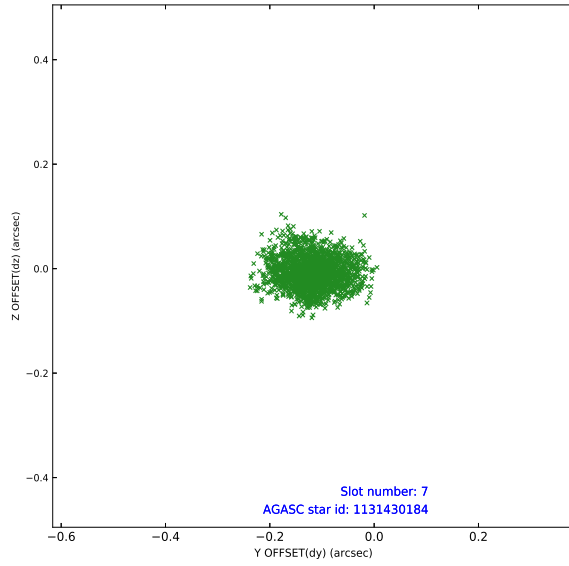
2.4.3 Slot 5



2.4.4 Slot 6

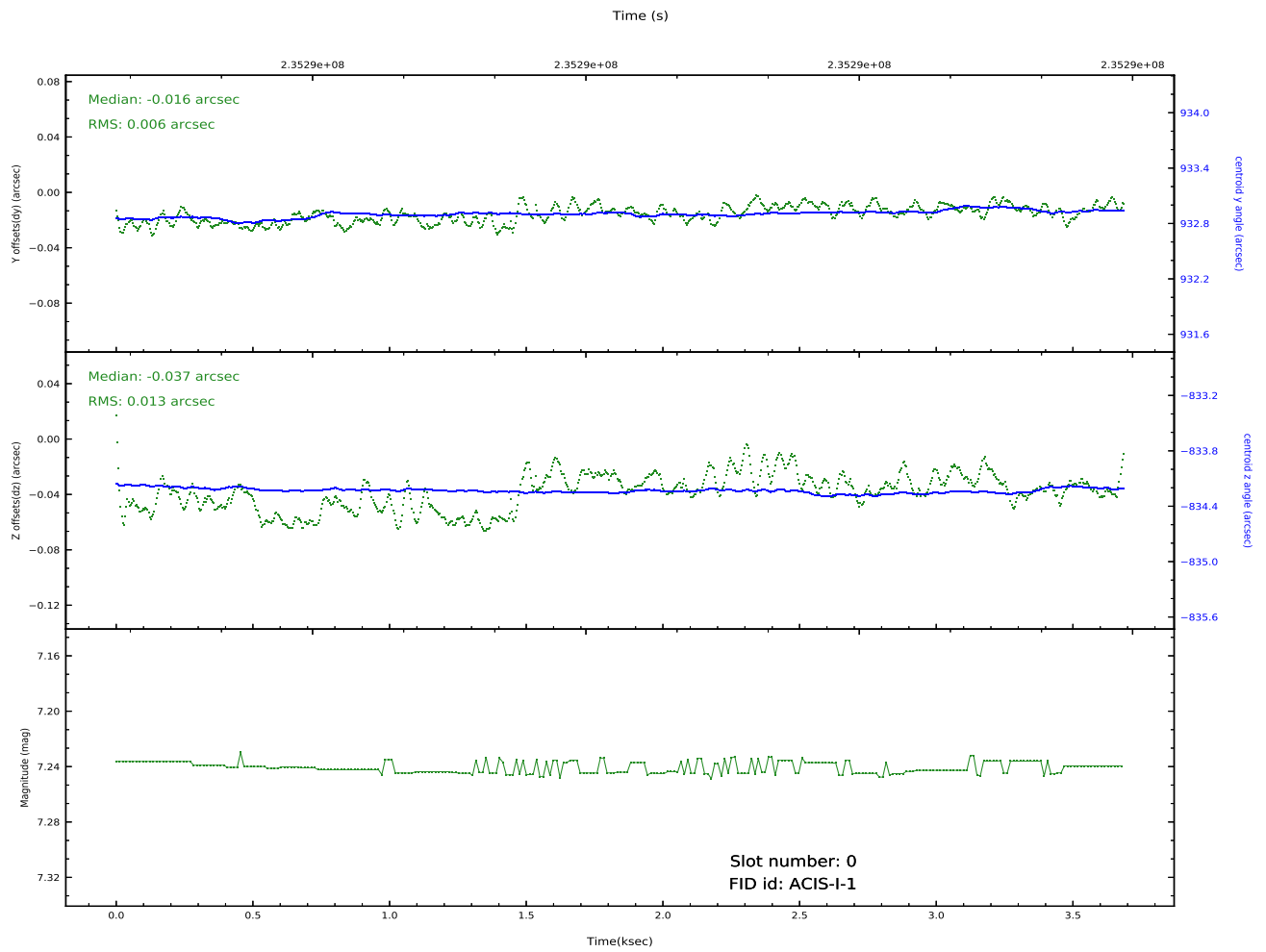
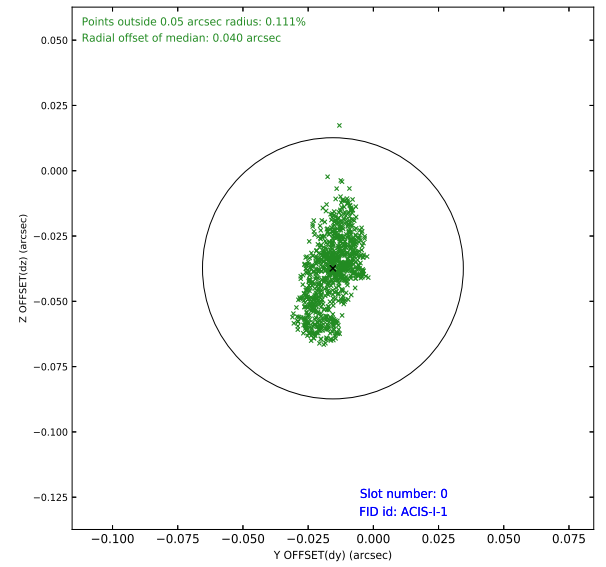
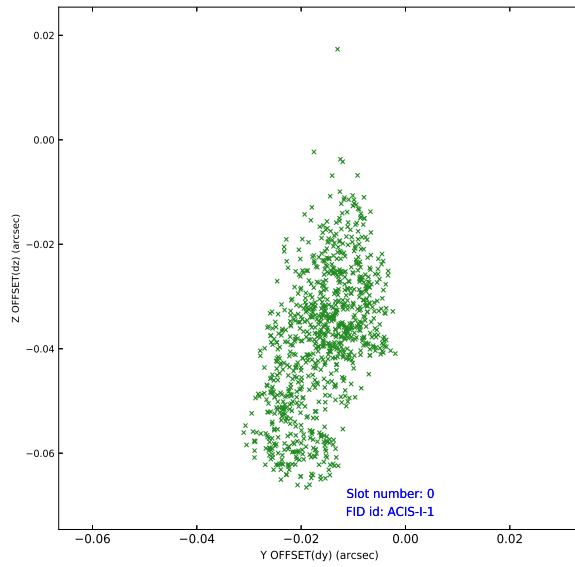


2.4.5 Slot 7

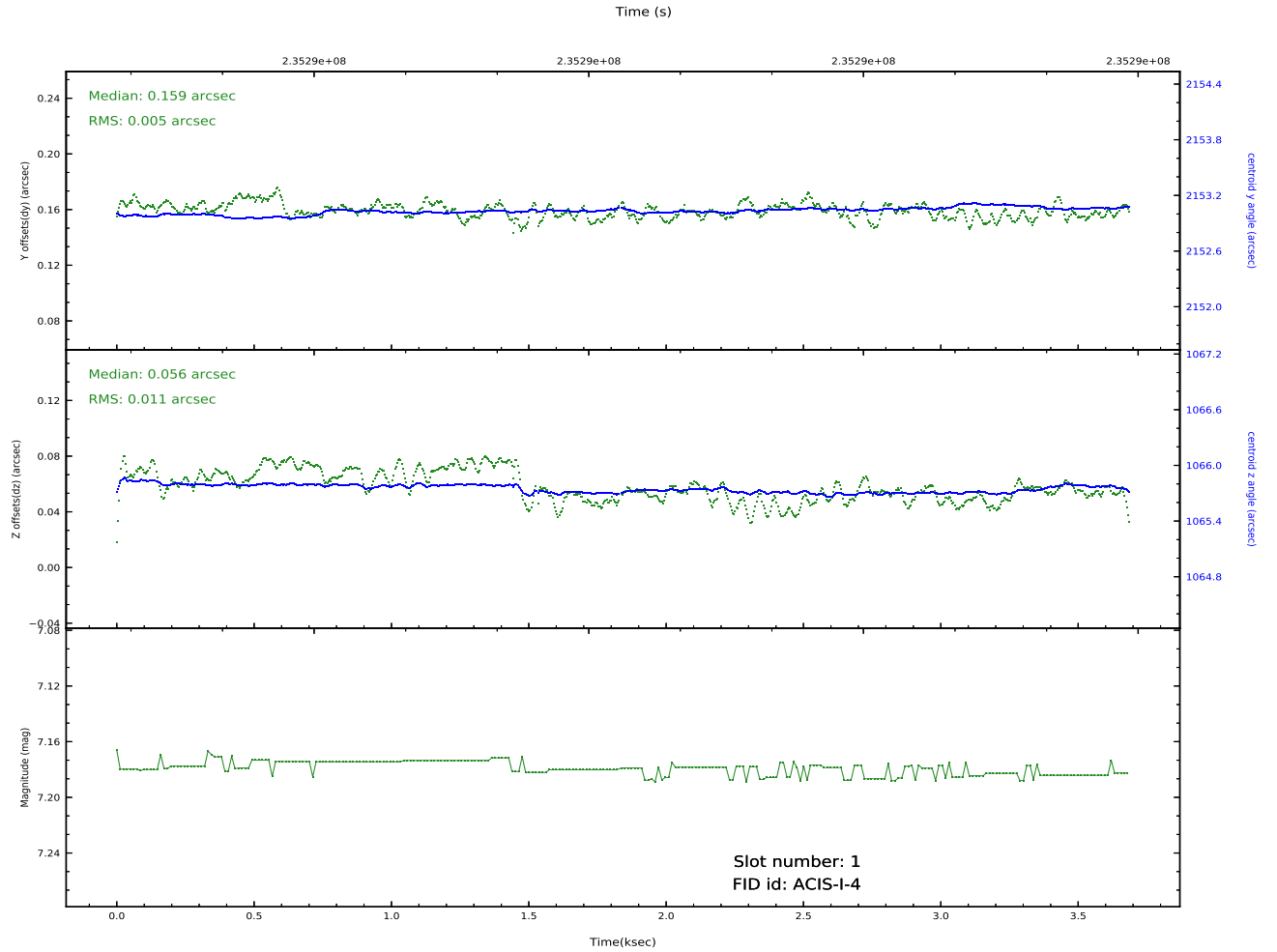
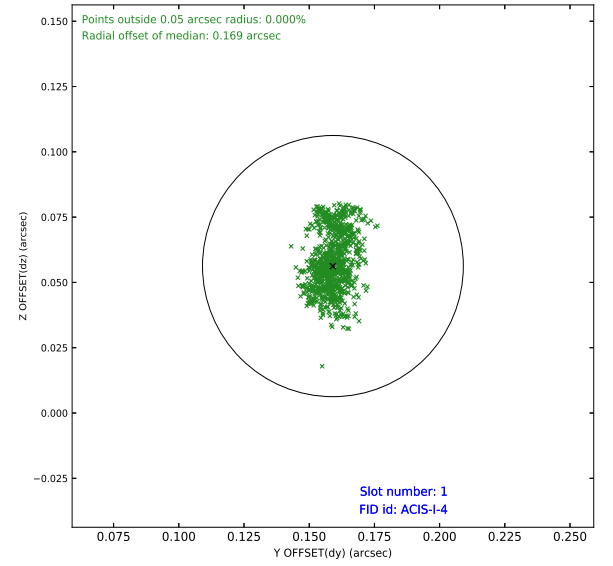
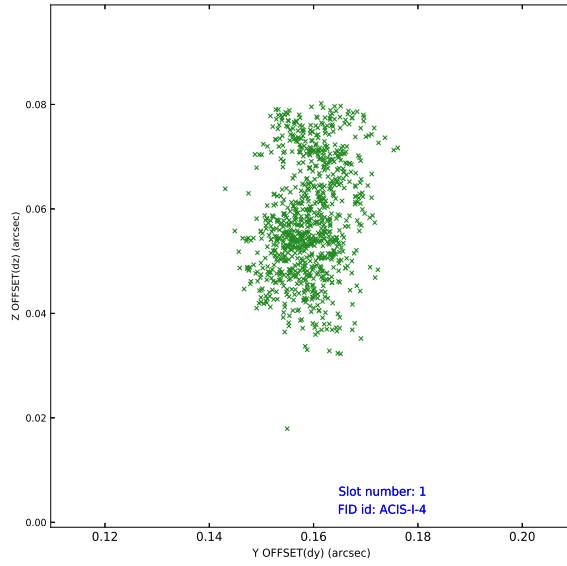


2.5 FID Slots

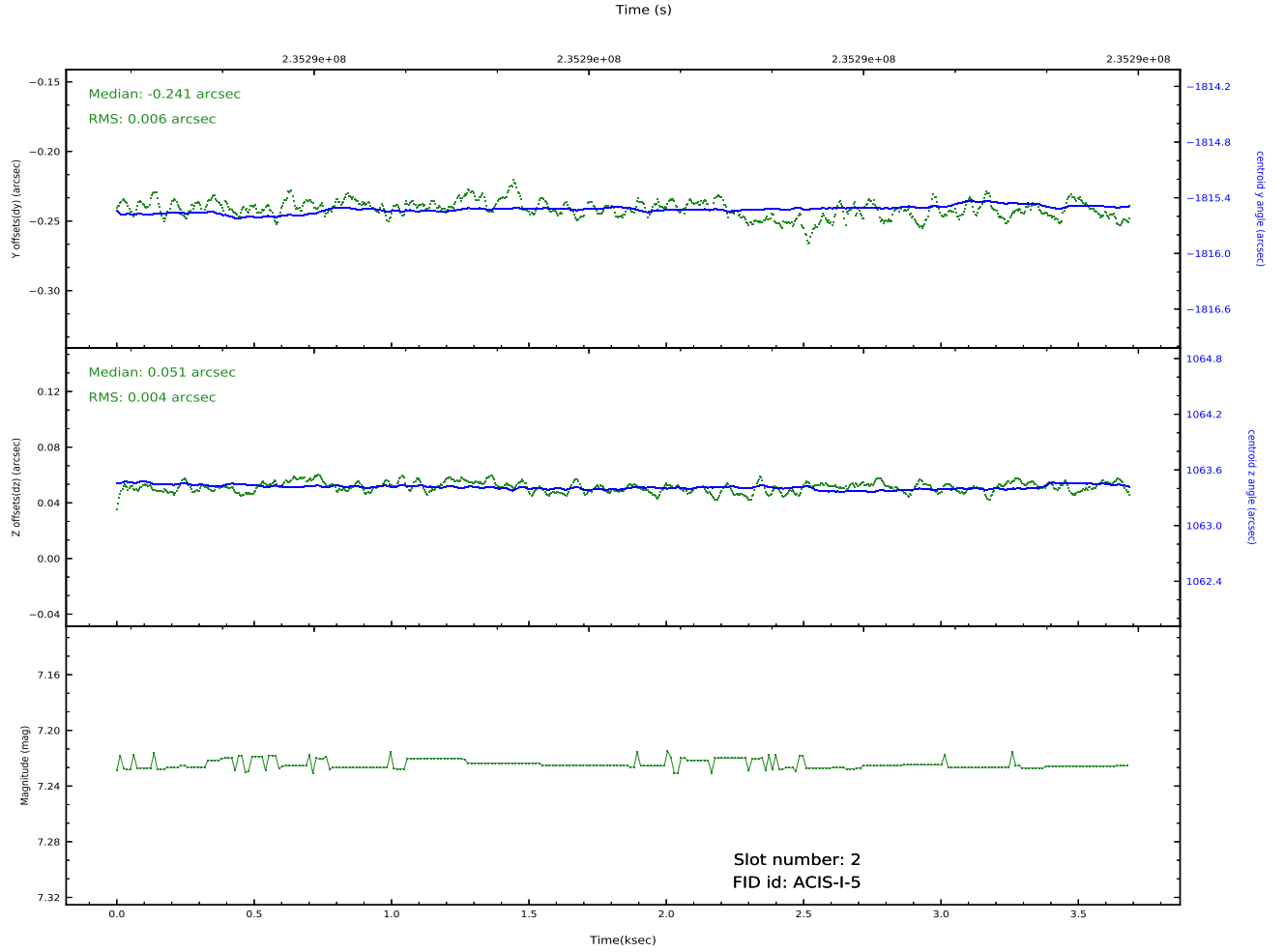
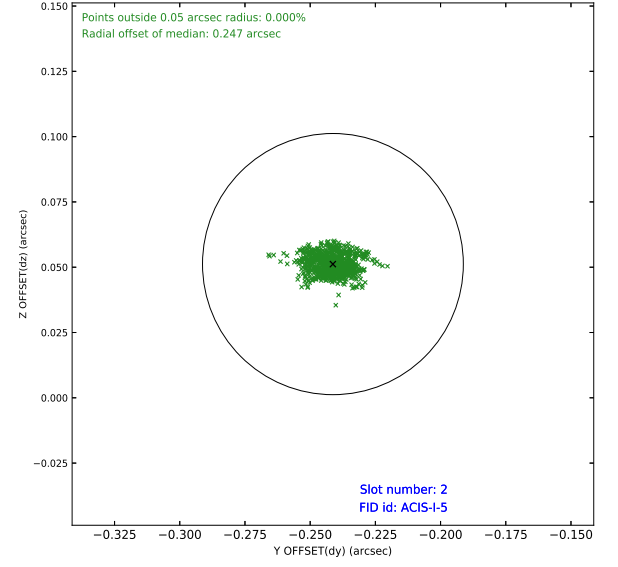
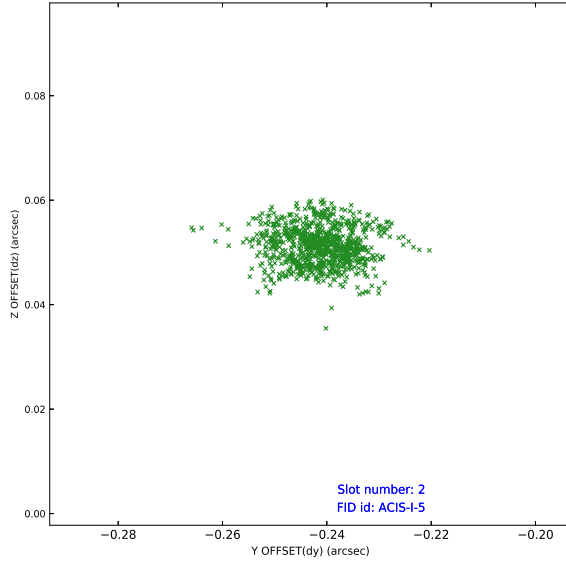
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.260799

A.2 Comments