

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5802 - L2 Version 4
Chandra X-Ray Center

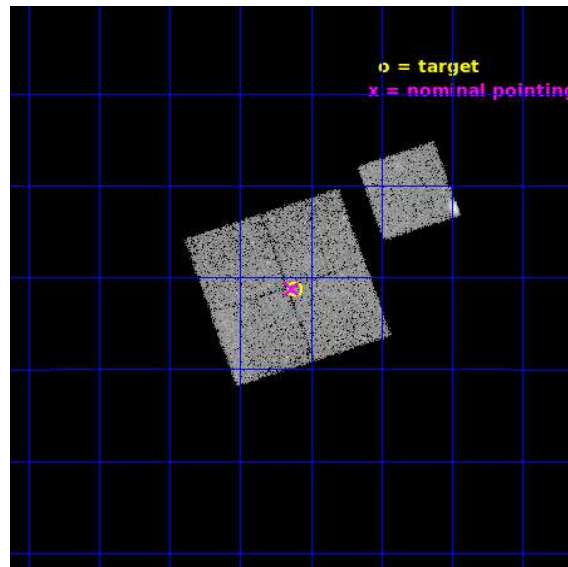
L2 Processing Date : Oct 7 2020

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1 Front

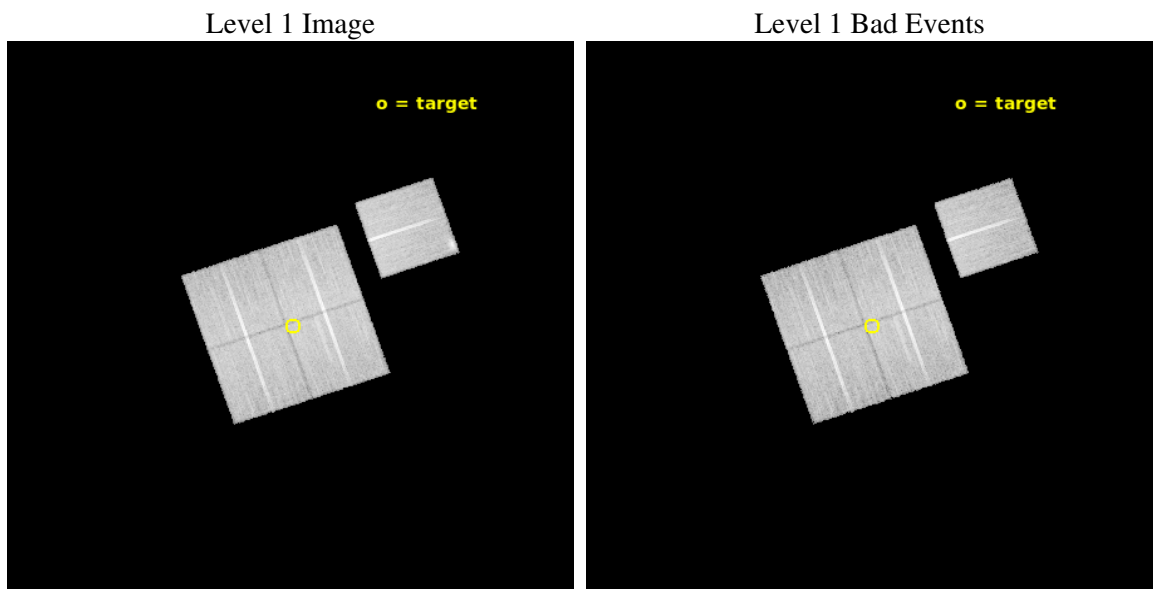
seq_num	800515	Sequence number
obs_id	5802	Observation id
title	Chandra Observations of the DLS Shear-Selected Cluster Survey	Prop
observer	John P. Hughes	Principal investigator
object	LEDA 972607	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.028333	Observer's specified target RA [deg]
dec_targ	-10.854444	Observer's specified target Dec [deg]
ra_nom	209.03351999683	Nominal RA [deg]
dec_nom	-10.853816552473	Nominal Dec [deg]
roll_nom	71.041023476012	Nominal Roll [deg]
revision	4	Processing version of data
ontime	21069.561045557	Sum of GTIs [s]
livetime	20794.271719312	Livetime [s]
ontime0	21069.437945455	Sum of GTIs [s]
ontime1	21066.337995201	Sum of GTIs [s]
ontime2	21072.661005706	Sum of GTIs [s]
ontime3	21069.561045557	Sum of GTIs [s]
ontime6	21072.537905574	Sum of GTIs [s]
l2events	58536	Number of level 2 events



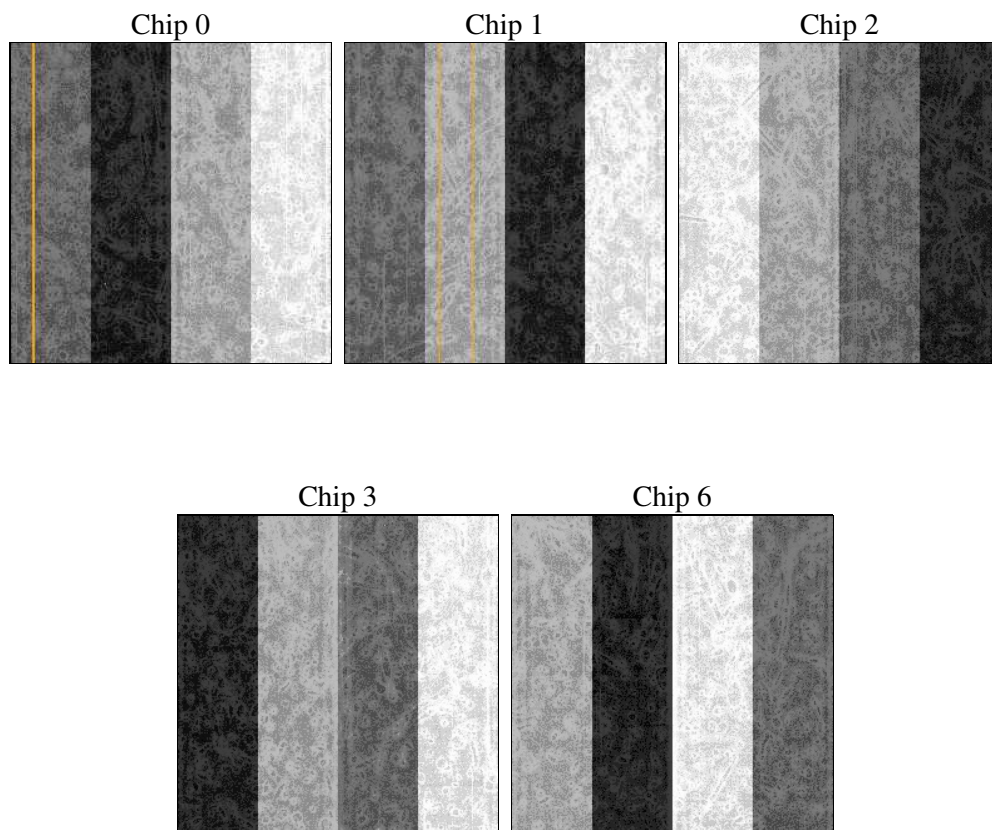
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21300.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	21069.561045557	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	21069.437945455	Sum of GTIs [s]
date	2020-10-07T05:32:43	Date and time of file creation	ontime1	21066.337995201	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	21072.661005706	Sum of GTIs [s]
			ontime3	21069.561045557	Sum of GTIs [s]
			ontime6	21072.537905574	Sum of GTIs [s]
			l1events	652804	Number of level 1 events

2.1.4 Events

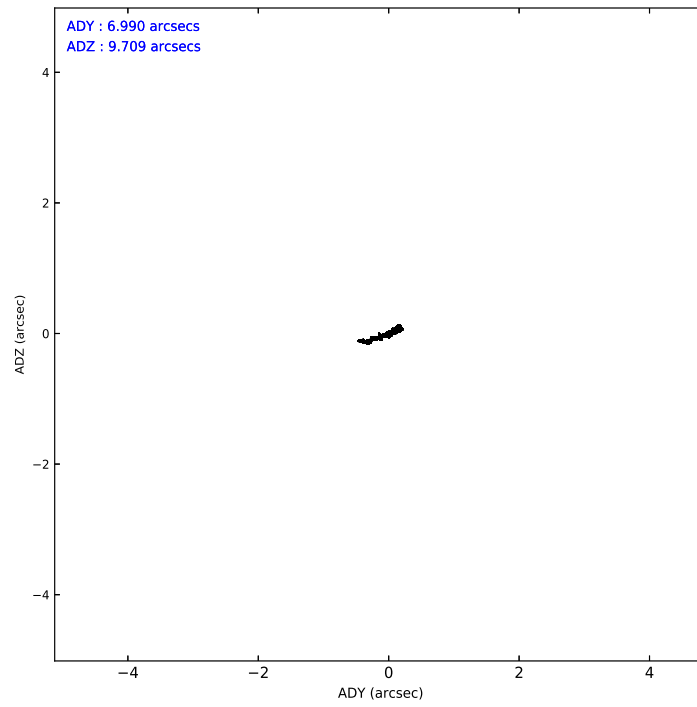
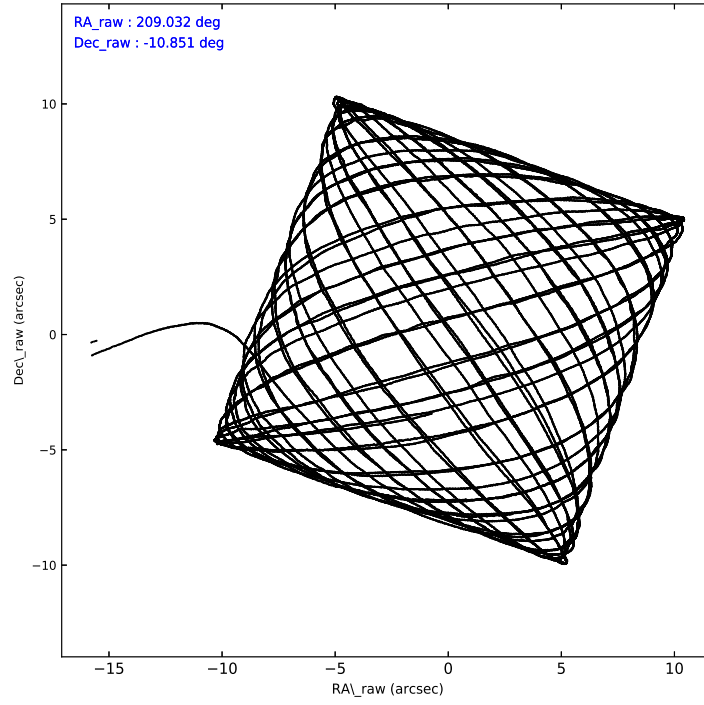
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	124308	123116	137463	132428	135489
rejected events	110951	108148	124117	119740	119520
rejected %	89%	87%	90%	90%	88%

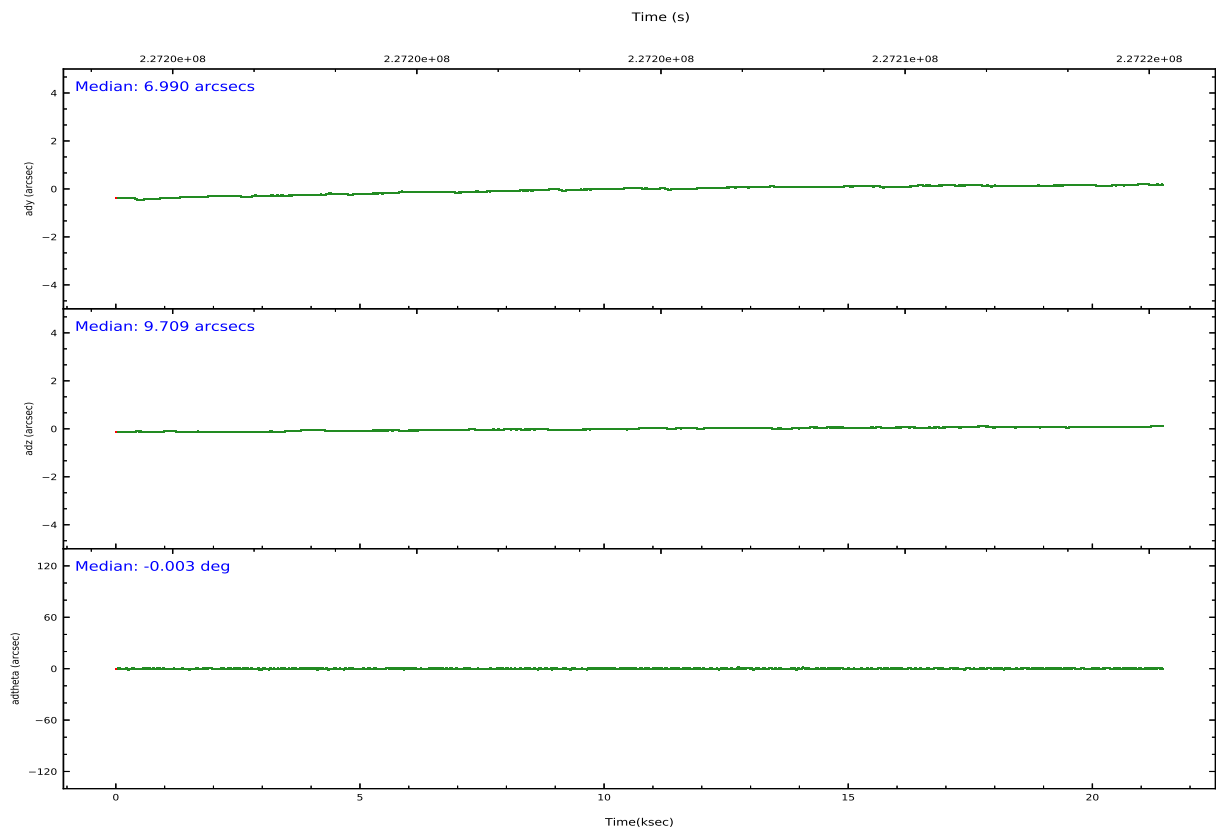
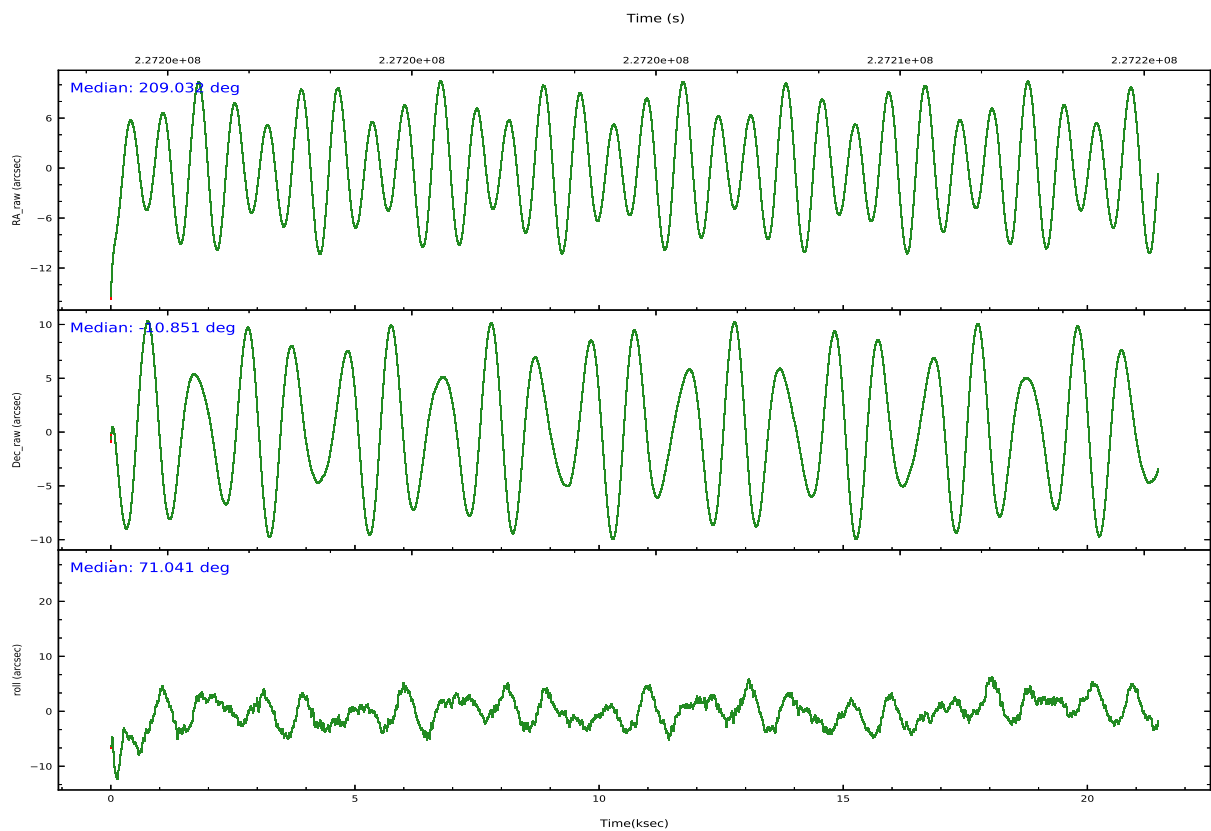
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4749	5605	4970	4541	6749
	3%	4%	3%	3%	4%
grade 1 events	63	67	67	68	70
	0%	0%	0%	0%	0%
grade 2 events	3170	3320	3196	2713	3159
	2%	2%	2%	2%	2%
grade 3 events	1536	1633	1382	1478	1606
	1%	1%	1%	1%	1%
grade 4 events	1458	1563	1415	1429	1507
	1%	1%	1%	1%	1%
grade 5 events	4723	5006	4383	5238	5293
	3%	4%	3%	3%	3%
grade 6 events	2444	2854	2383	2528	2950
	1%	2%	1%	1%	2%
grade 7 events	106165	103068	119667	114433	114155
	85%	83%	87%	86%	84%

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	209.036940	209.03351999683	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.877844	-10.853816552473	Alternating exposures requested	N	N
[deg] Pointing Roll	70.839173	71.041023476012	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	227193984.184000	227192814.78285			
Observation start date	2005-03-14T13:25:20	2005-03-14T13:06:54			
[s] Observation end time (MET)	227215284.184000	227216127.8964			
Observation end date	2005-03-14T19:20:20	2005-03-14T19:35:27			
Read mode	TIMED	TIMED			

2.3 Aspect



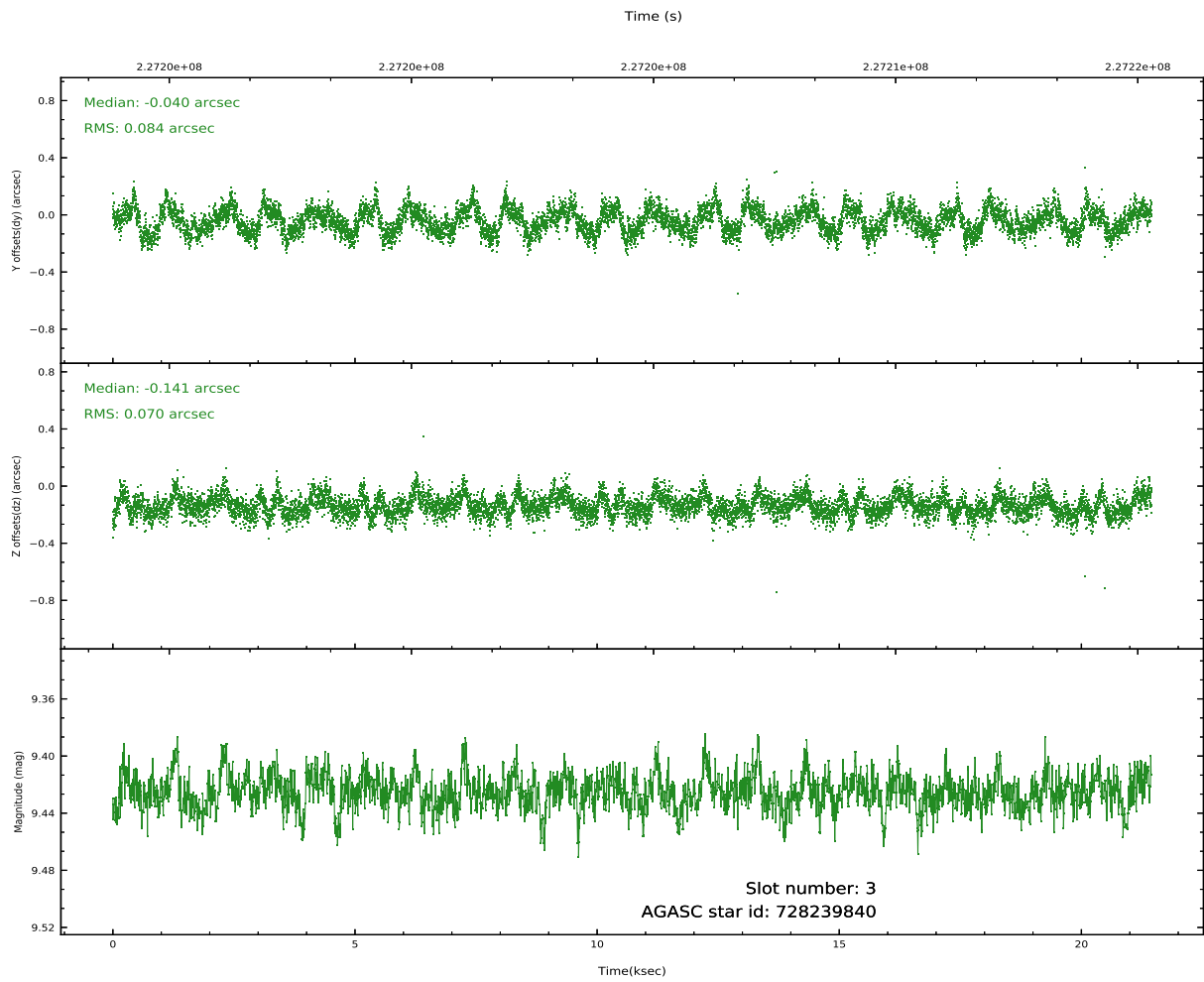
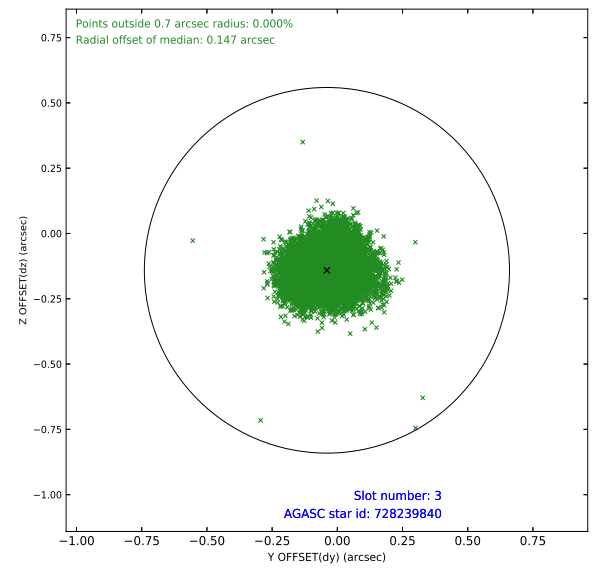
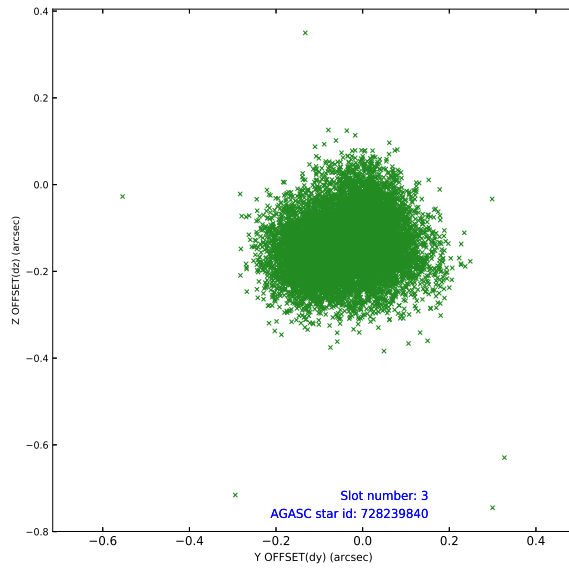


Slot Statistics

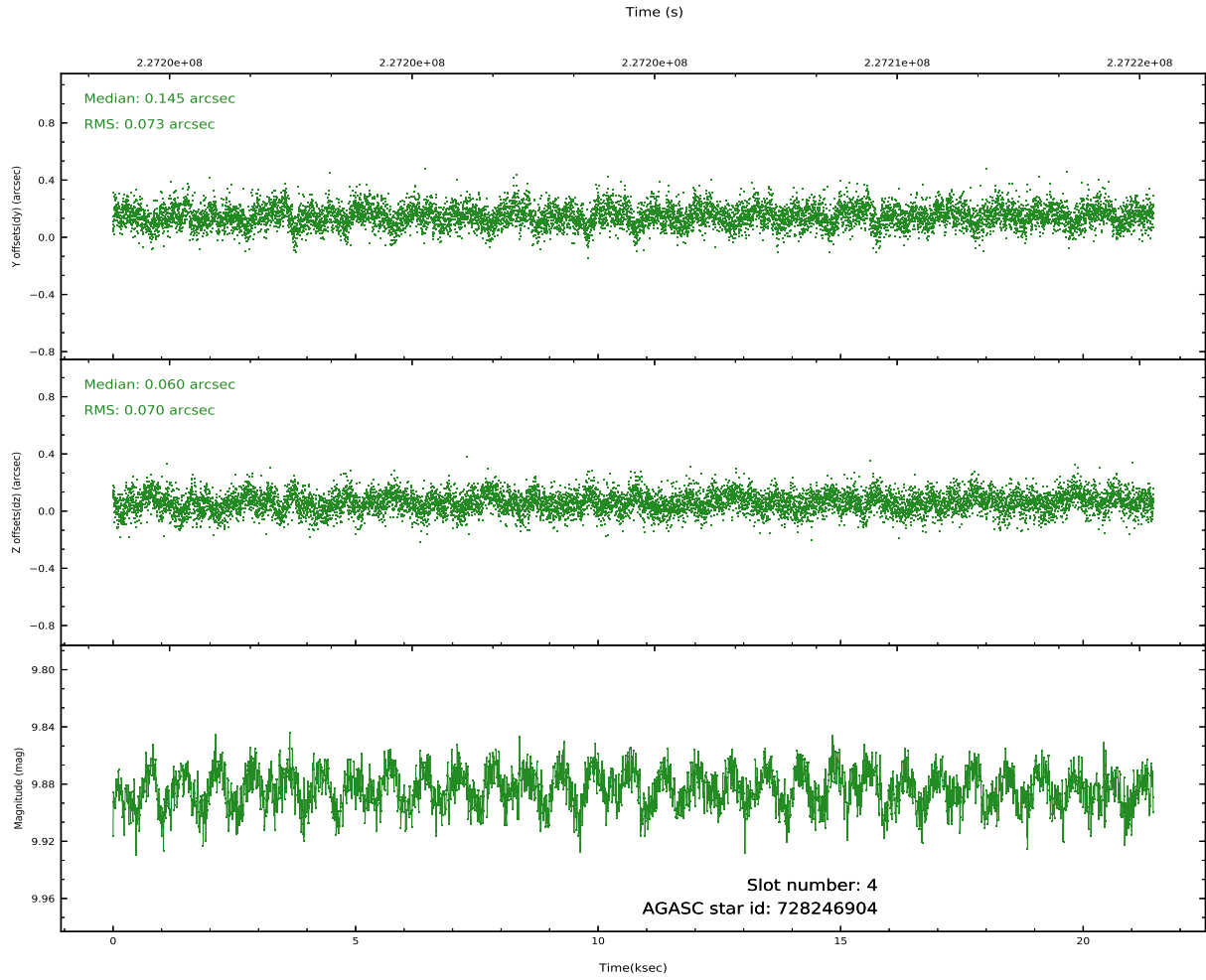
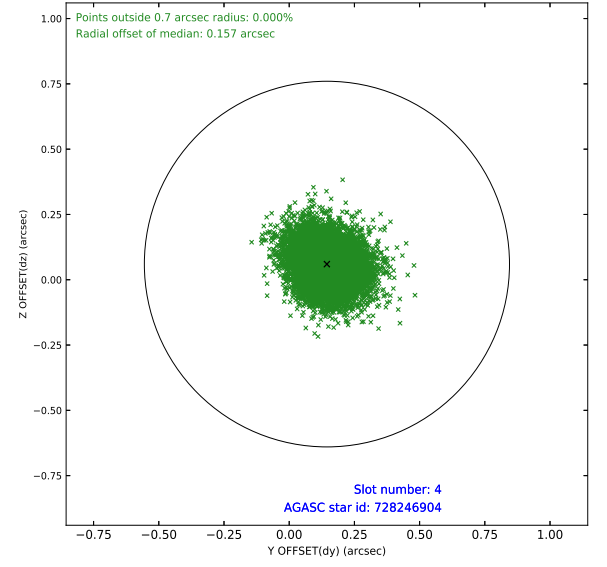
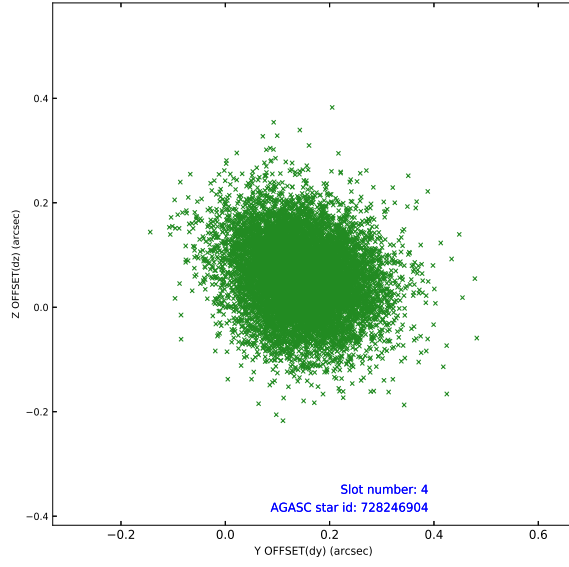
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	5232	1.000	0.010	0.004	0.006	0.011	0.000000	0.000000	932.76	-833
1	FID		ACIS-I-5	7.23	5232	1.000	-0.196	0.018	0.006	0.011	0.000000	0.000000	-1815.49	1064
2	FID		ACIS-I-6	7.26	5231	1.000	0.095	0.049	0.007	0.011	0.000000	0.000000	398.18	1708
3	GUIDE	used	728239840	9.43	10461	1.000	-0.040	-0.141	0.118	0.183	208.570433	-10.891623	-589.39	1541
4	GUIDE	used	728246904	9.88	10452	1.000	0.145	0.060	0.106	0.176	208.922180	-11.454653	-2094.13	-299
5	GUIDE	used	728370040	8.49	10448	1.000	-0.047	-0.014	0.078	0.122	209.435918	-10.924599	303.15	-1387
6	GUIDE	used	728372688	9.67	10458	1.000	-0.167	0.070	0.129	0.203	209.641052	-10.631360	1538.10	-1728
7	GUIDE	used	728378760	8.44	10459	1.000	0.104	0.022	0.082	0.130	209.447556	-11.536817	-1765.79	-2147

2.4 Star Slots

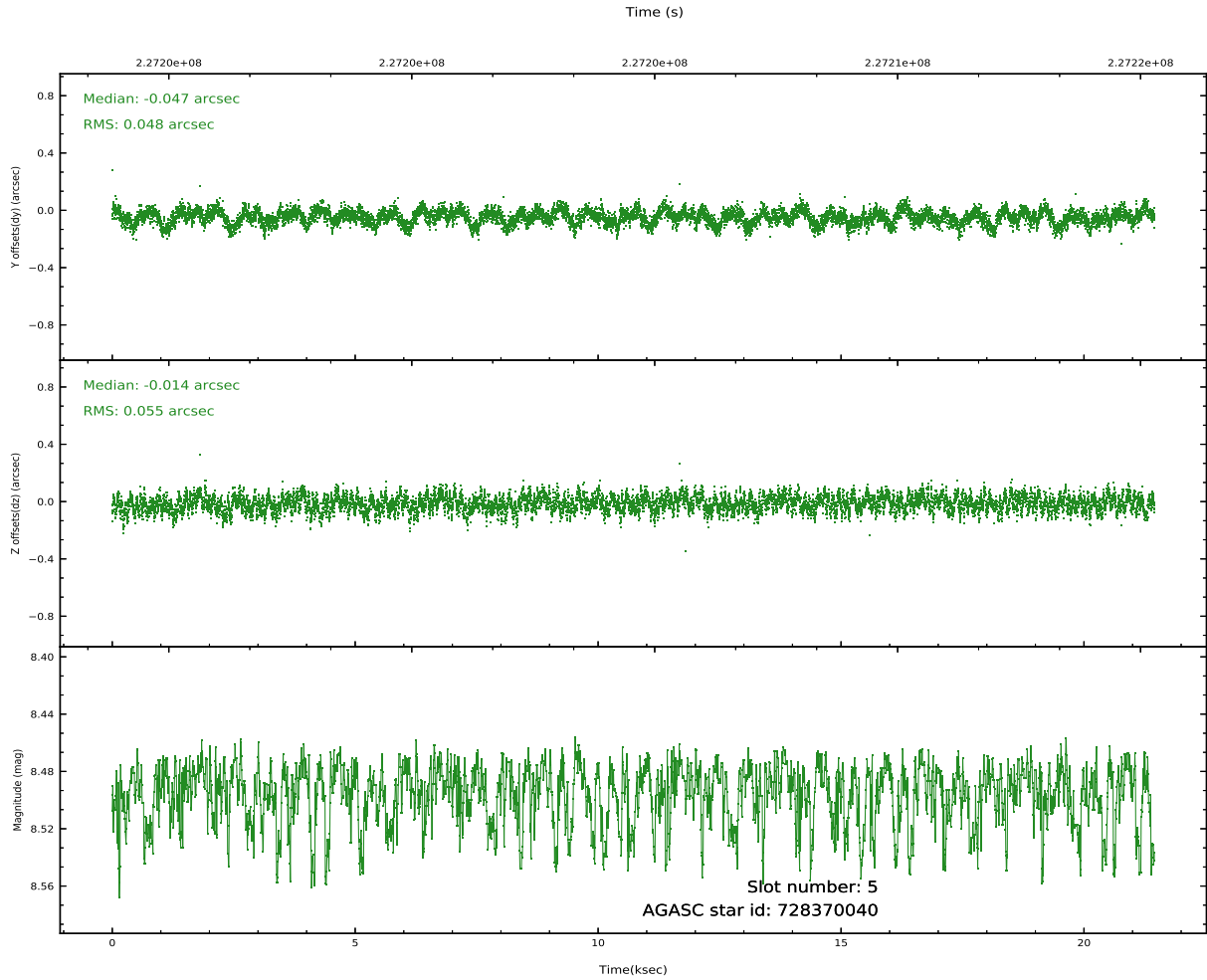
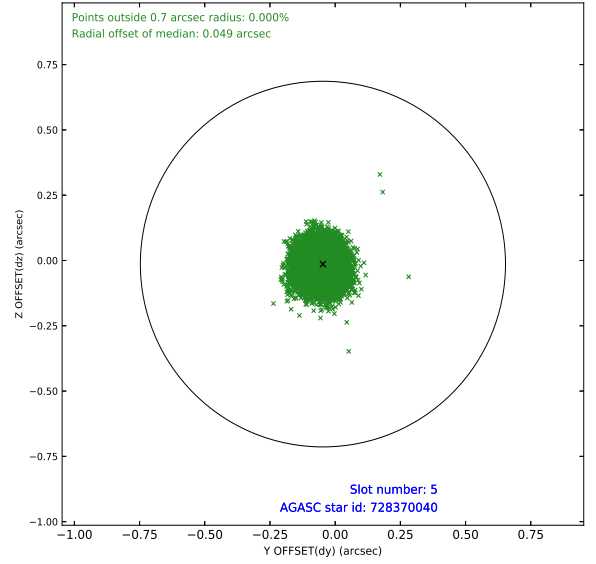
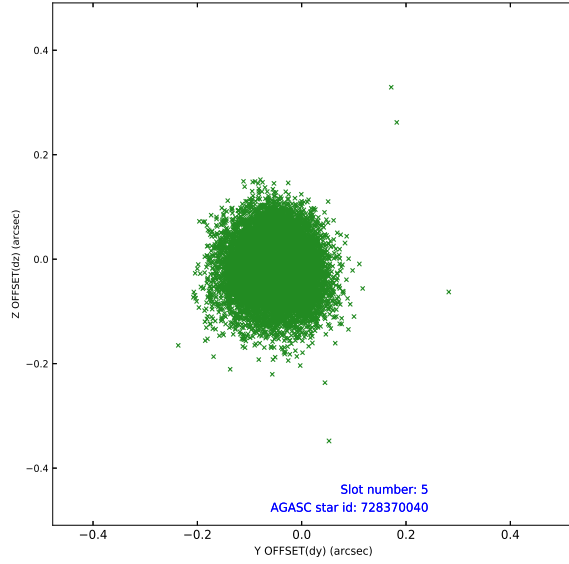
2.4.1 Slot 3



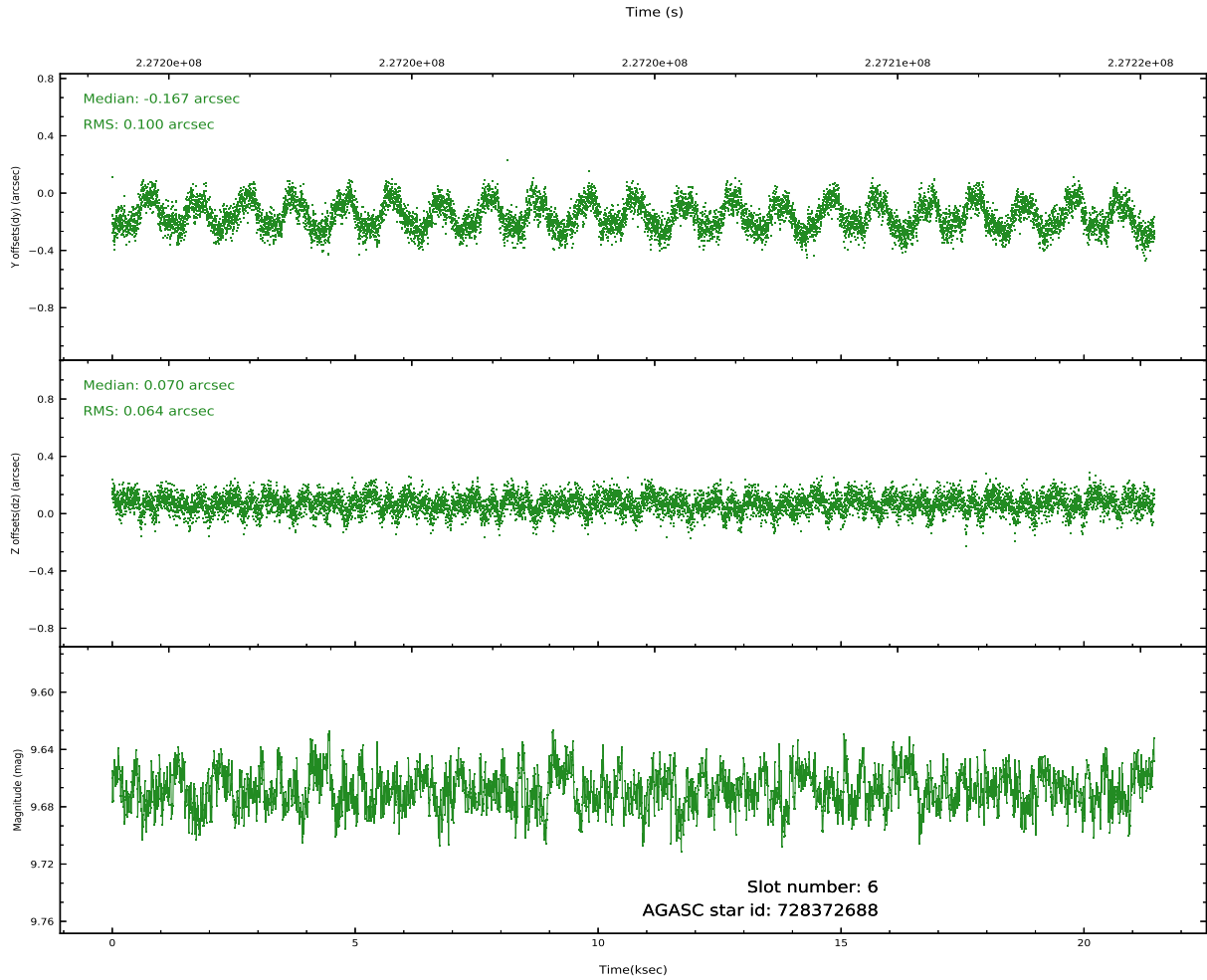
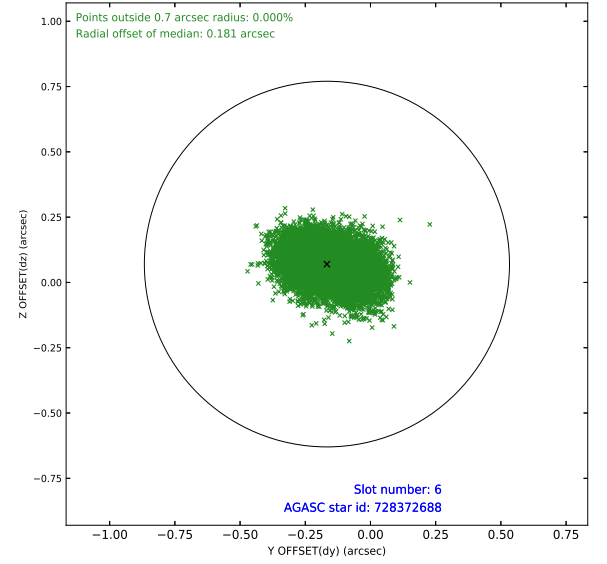
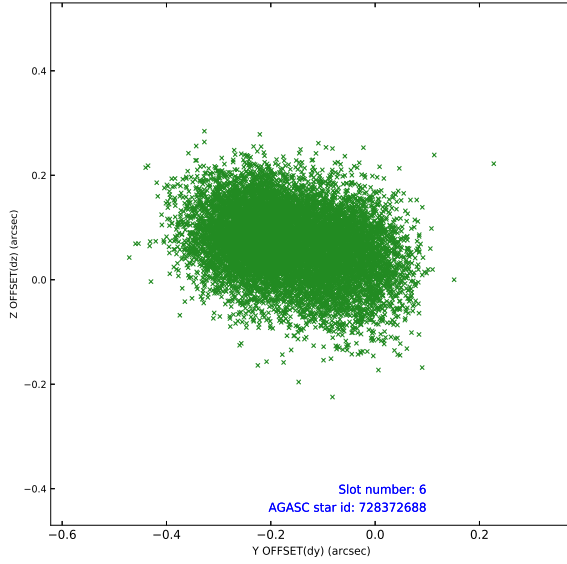
2.4.2 Slot 4



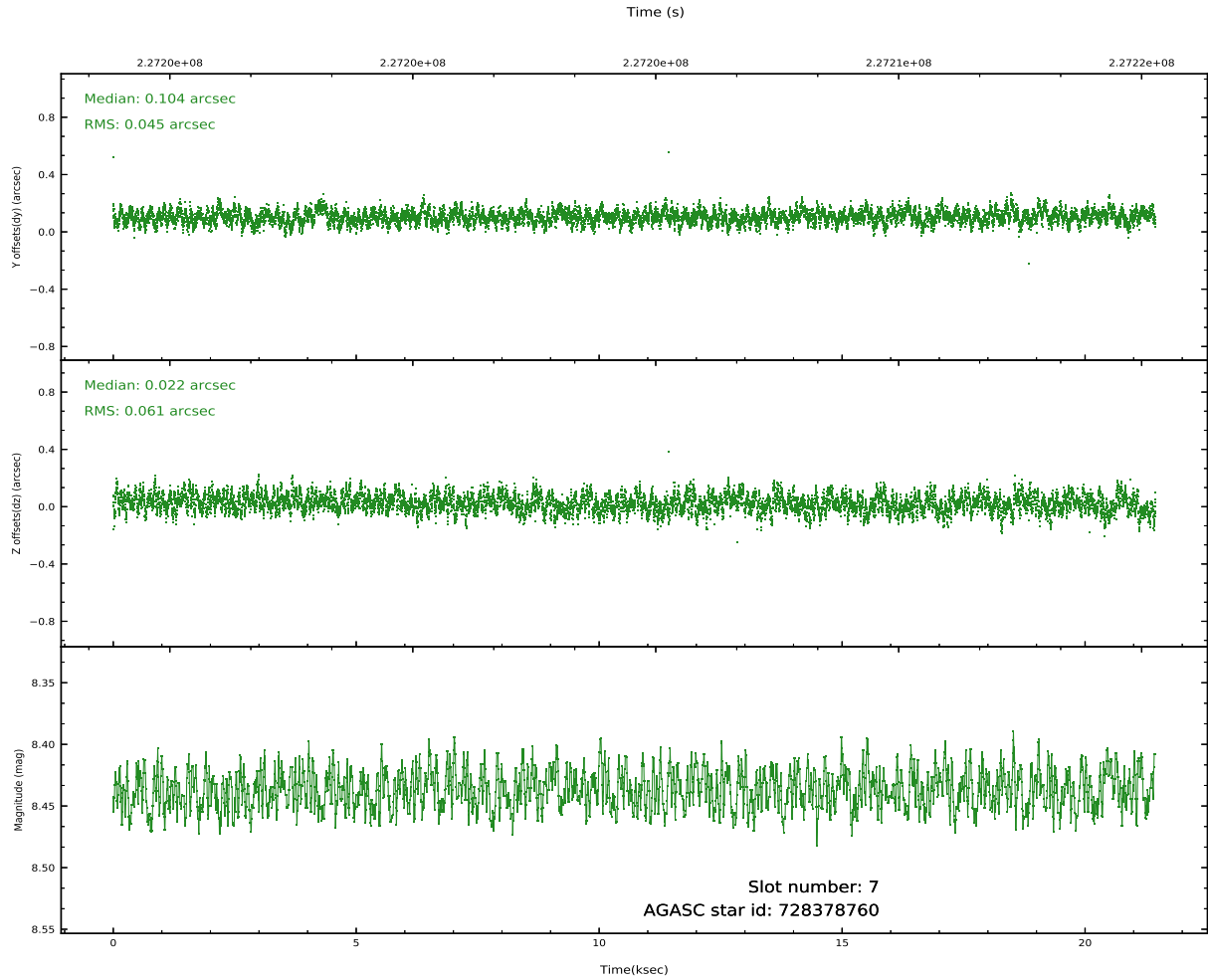
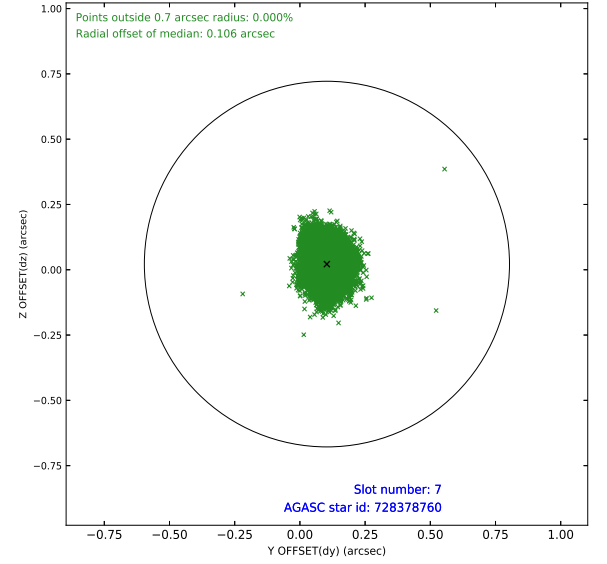
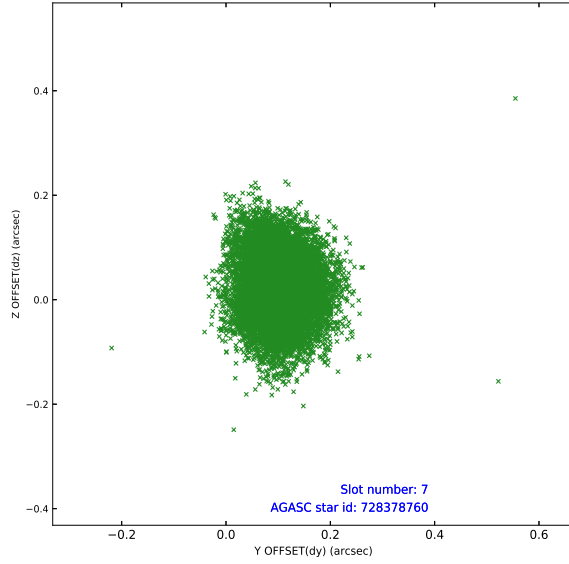
2.4.3 Slot 5



2.4.4 Slot 6

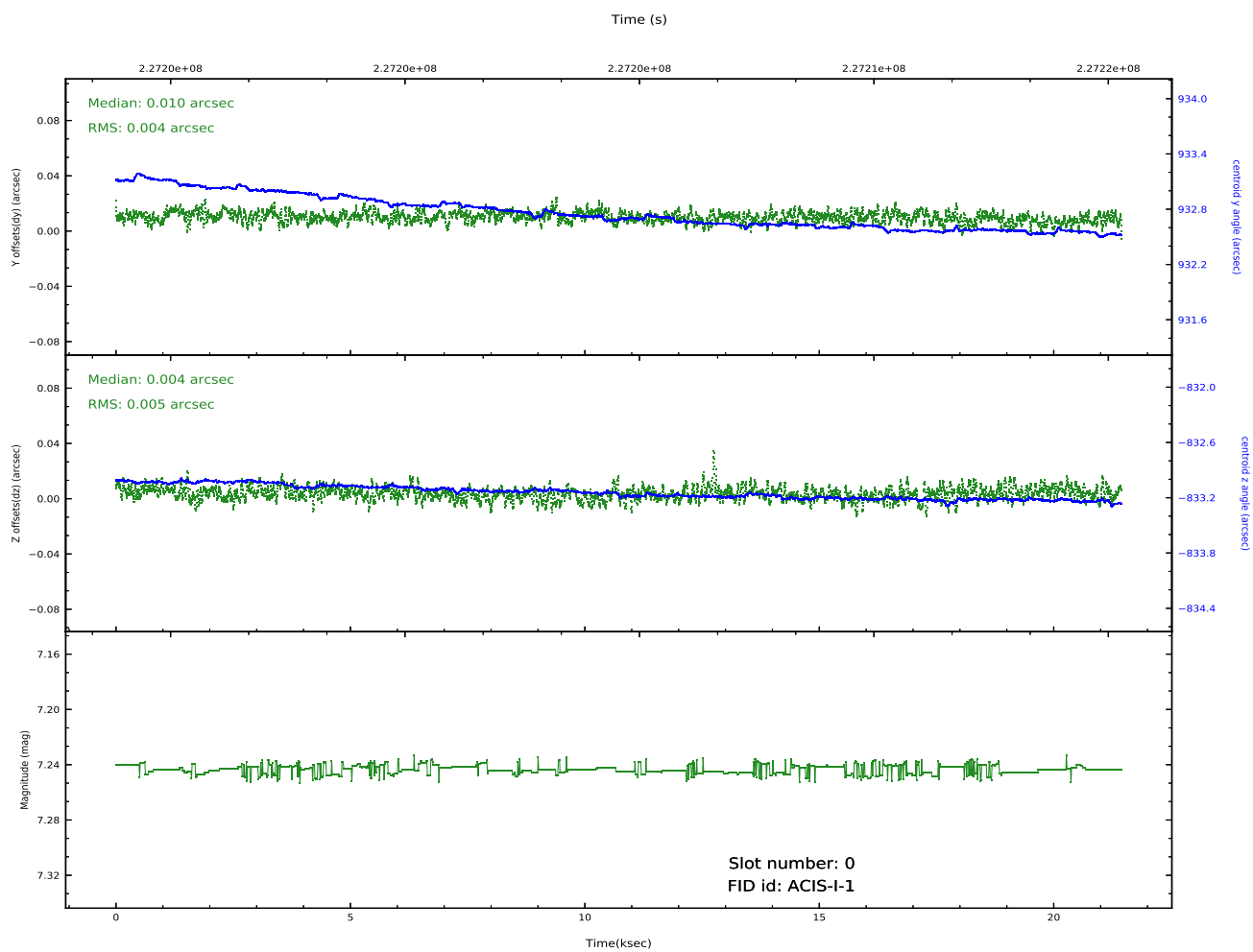
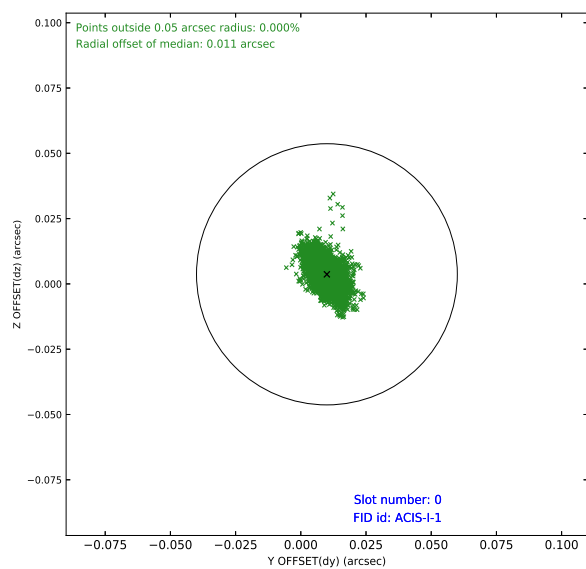
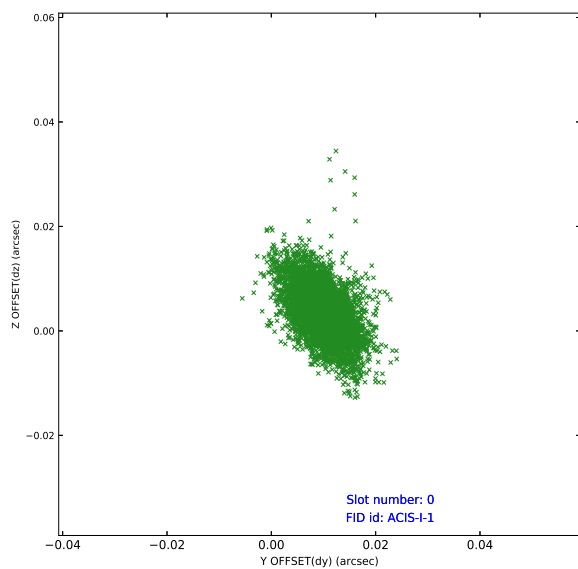


2.4.5 Slot 7

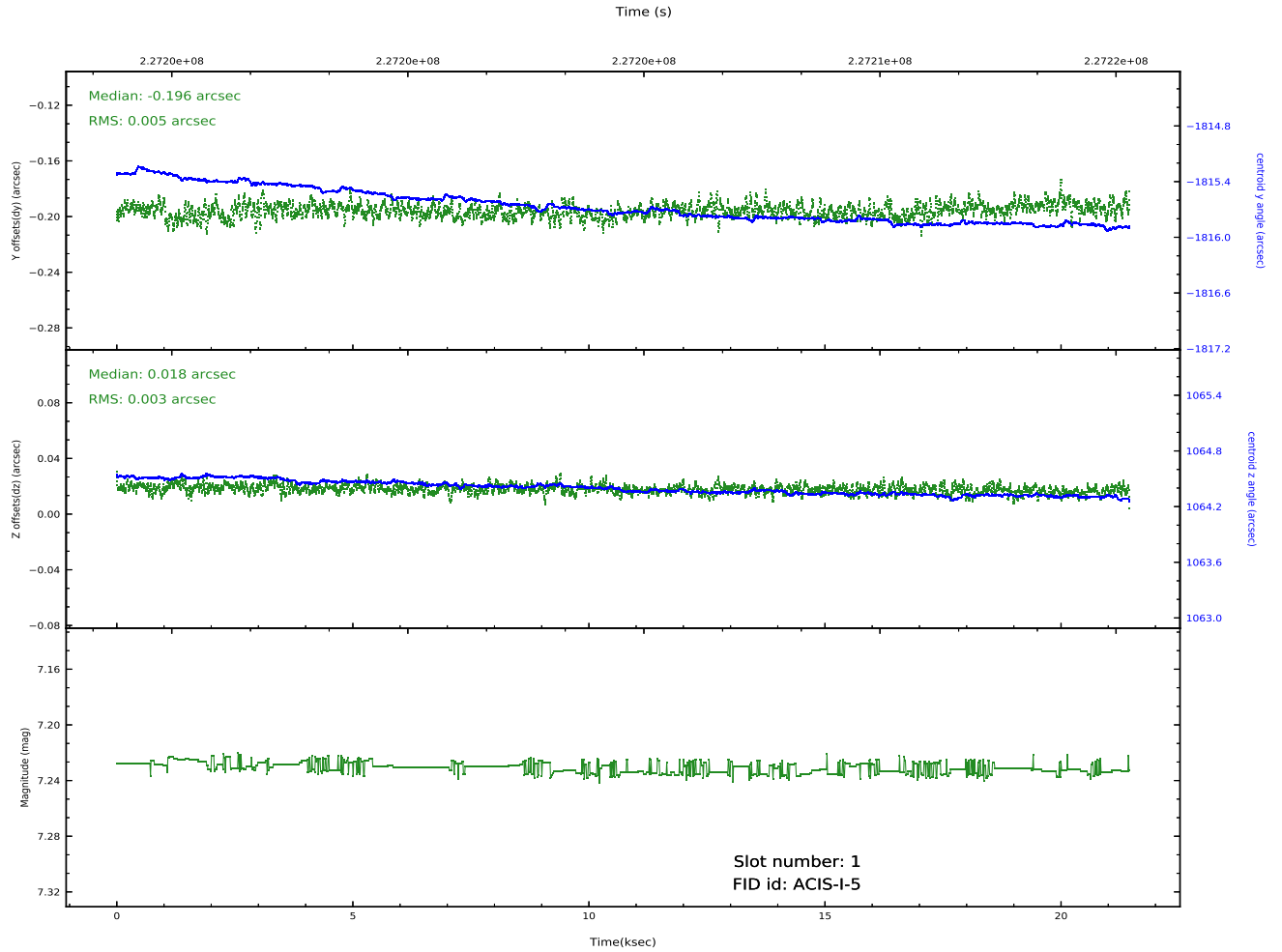
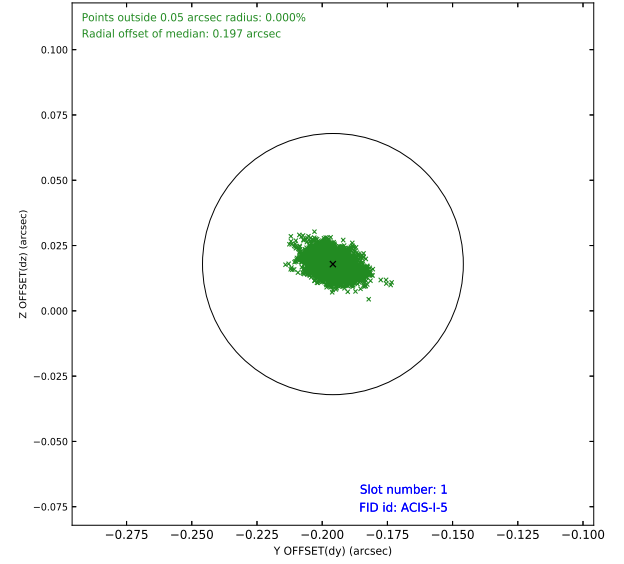
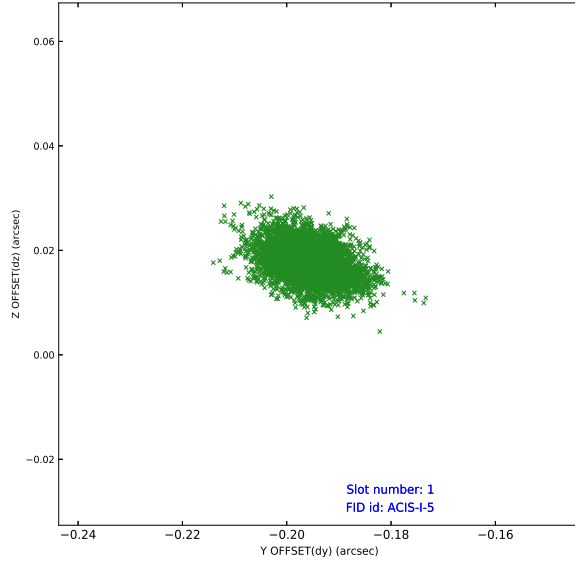


2.5 FID Slots

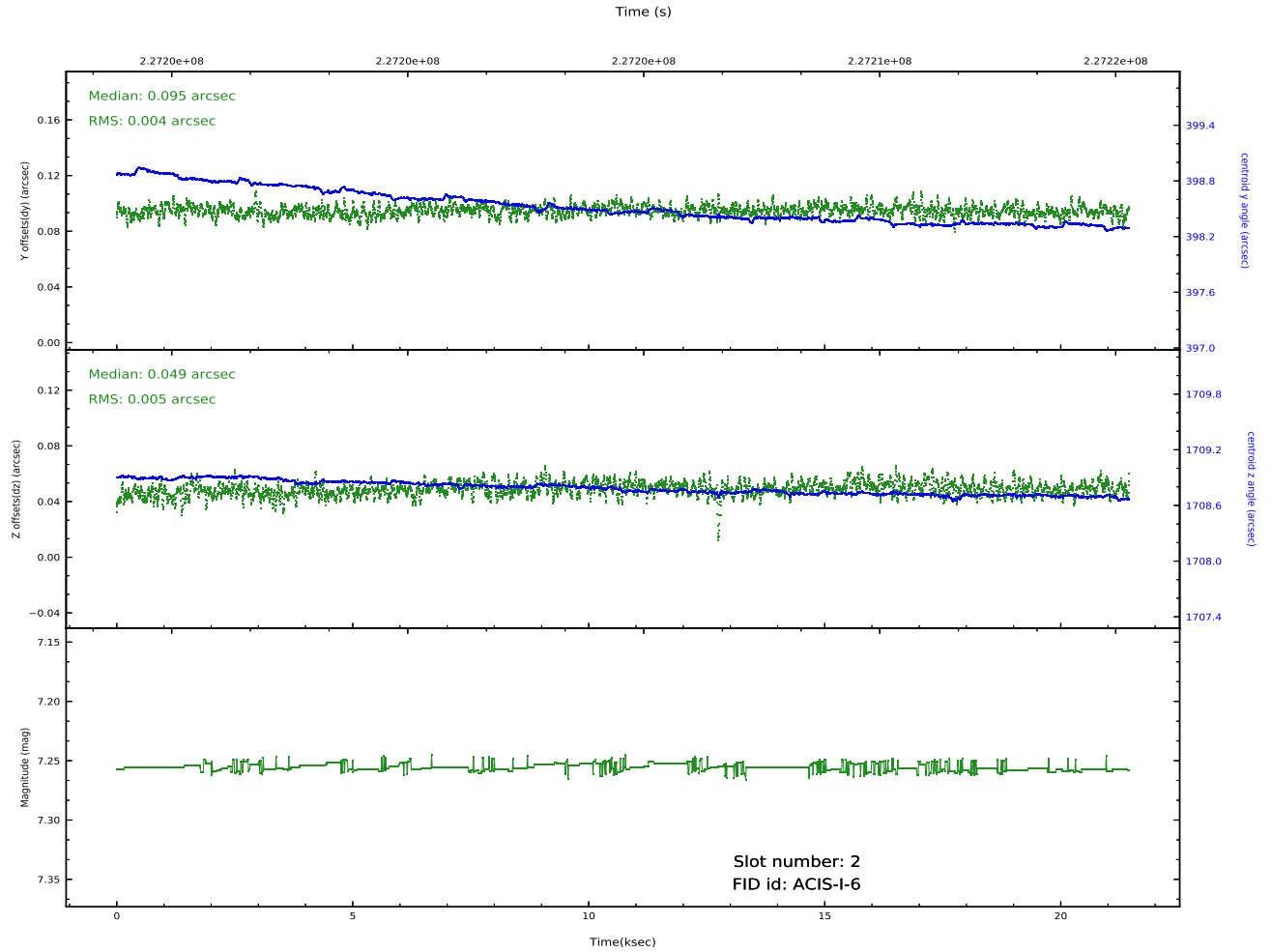
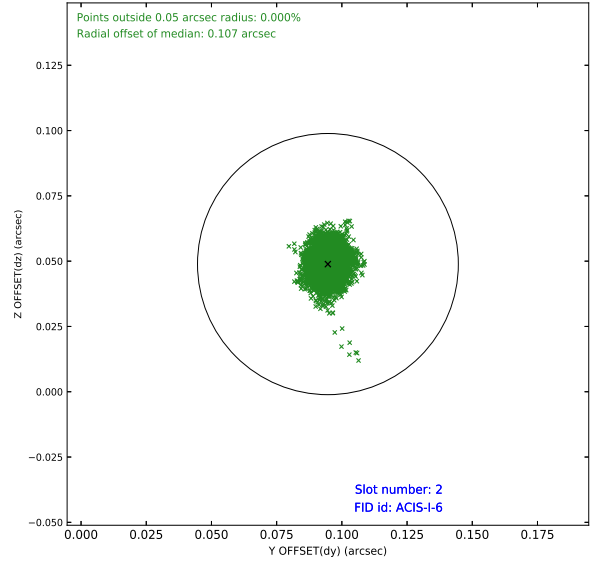
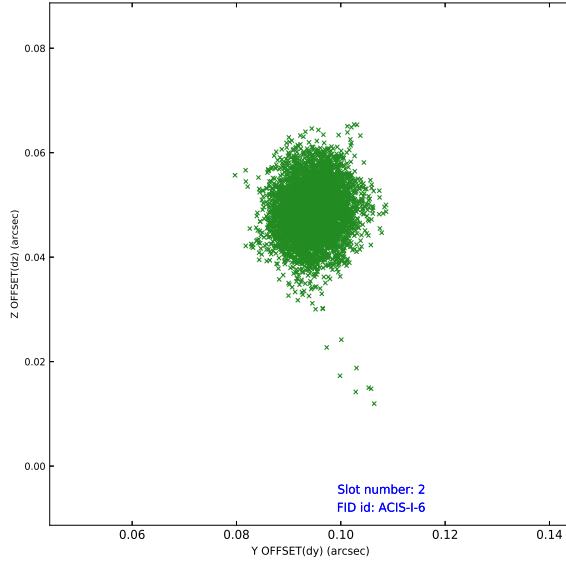
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.07065

A.2 Comments