

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5806 - L2 Version 3
Chandra X-Ray Center

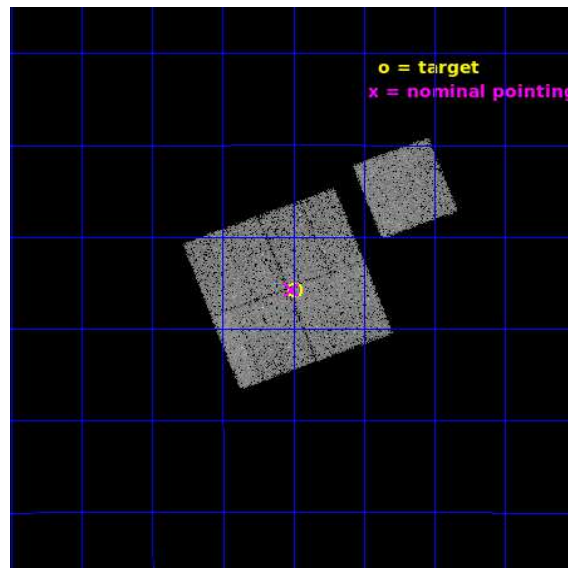
L2 Processing Date : Oct 12 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

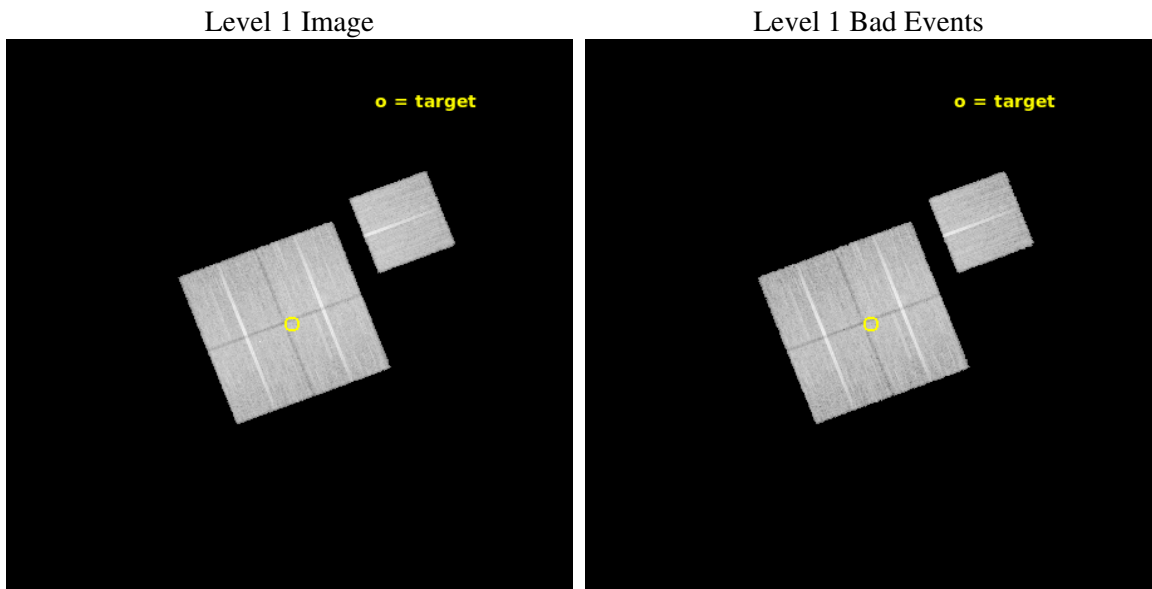
seq_num	800519	Sequence number
obs_id	5806	Observation id
title	Chandra Observations of the DLS Shear-Selected Cluster Survey	Prop
observer	John P. Hughes	Principal investigator
object	DLS J135929.02-105446.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.871667	Observer's specified target RA [deg]
dec_targ	-10.929167	Observer's specified target Dec [deg]
ra_nom	209.87738942515	Nominal RA [deg]
dec_nom	-10.929081444733	Nominal Dec [deg]
roll_nom	69.044894740182	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20125.158991009	Sum of GTIs [s]
livetime	19862.208972865	Livetime [s]
ontime0	20125.159000993	Sum of GTIs [s]
ontime1	20122.018000871	Sum of GTIs [s]
ontime2	20122.018000871	Sum of GTIs [s]
ontime3	20125.158991009	Sum of GTIs [s]
ontime6	20122.018000841	Sum of GTIs [s]
l2events	57763	Number of level 2 events



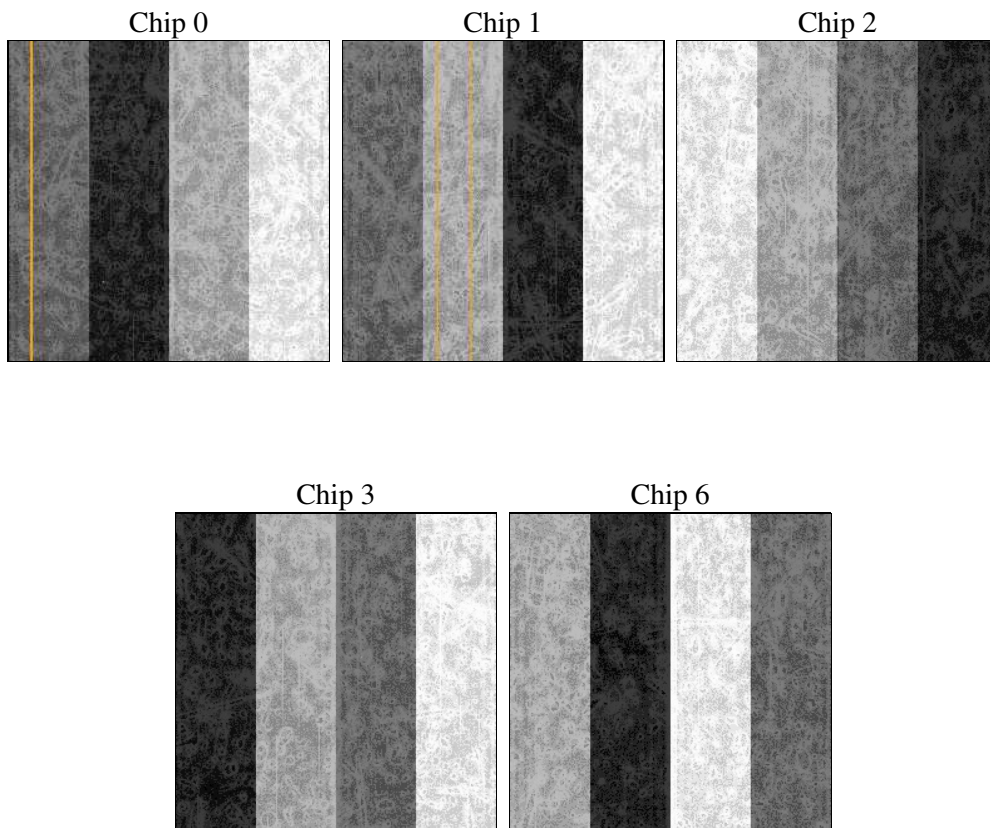
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20125.158991009	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	20125.159000993	Sum of GTIs [s]
date	2020-10-12T04:42:08	Date and time of file creation	ontime1	20122.018000871	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20122.018000871	Sum of GTIs [s]
			ontime3	20125.158991009	Sum of GTIs [s]
			ontime6	20122.018000841	Sum of GTIs [s]
			l1events	674861	Number of level 1 events

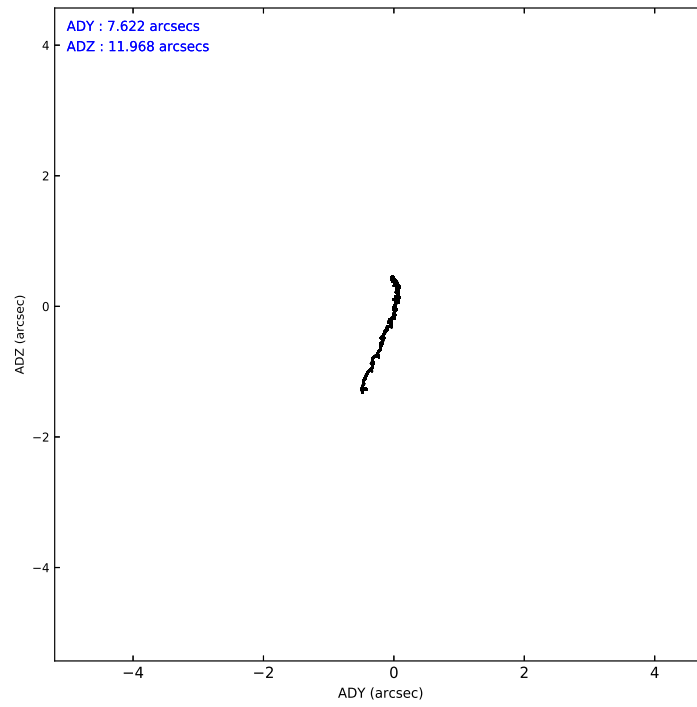
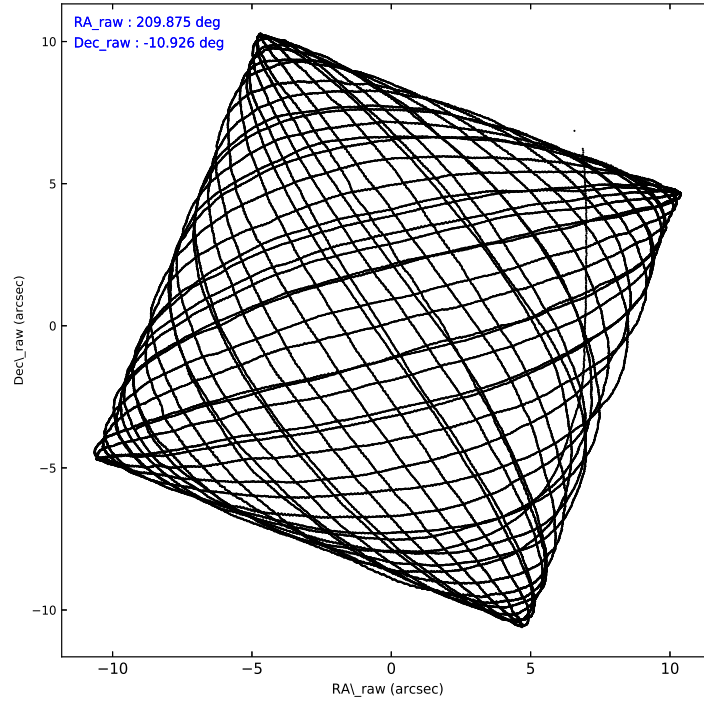
2.1.4 Events

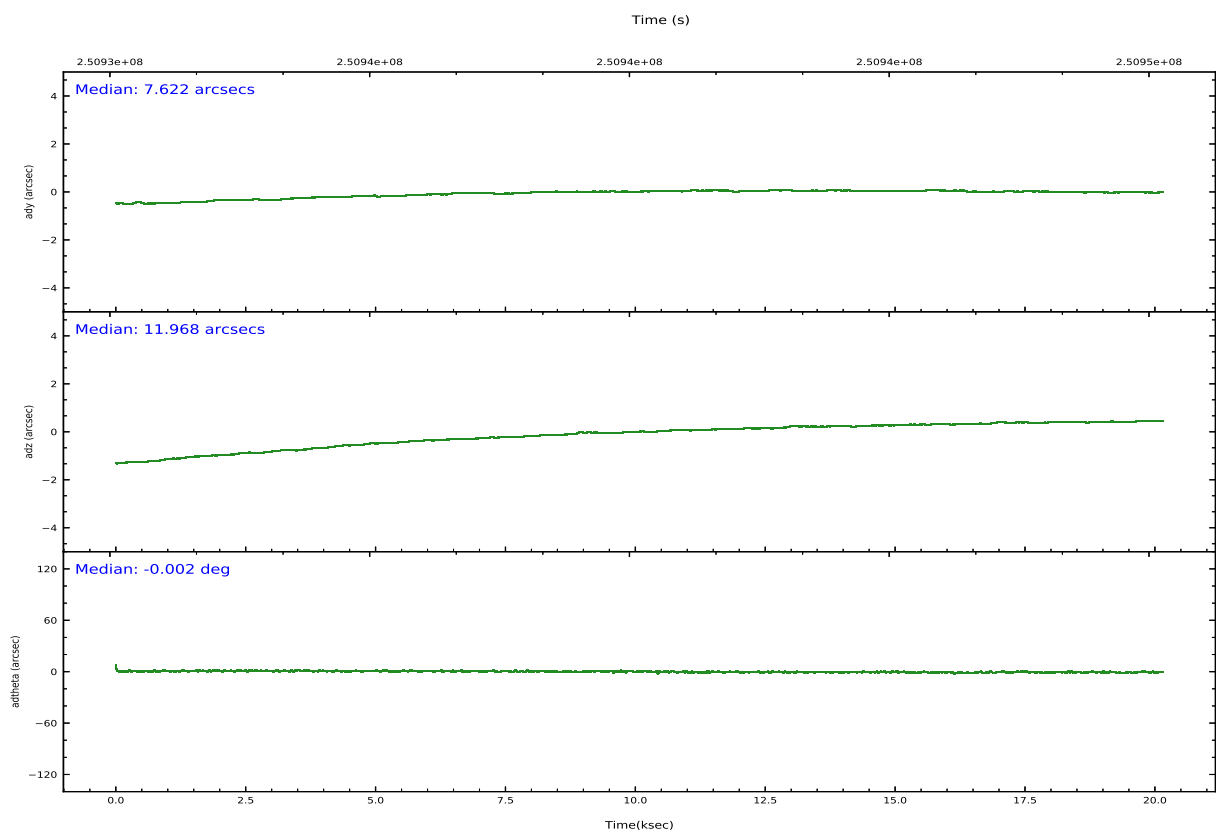
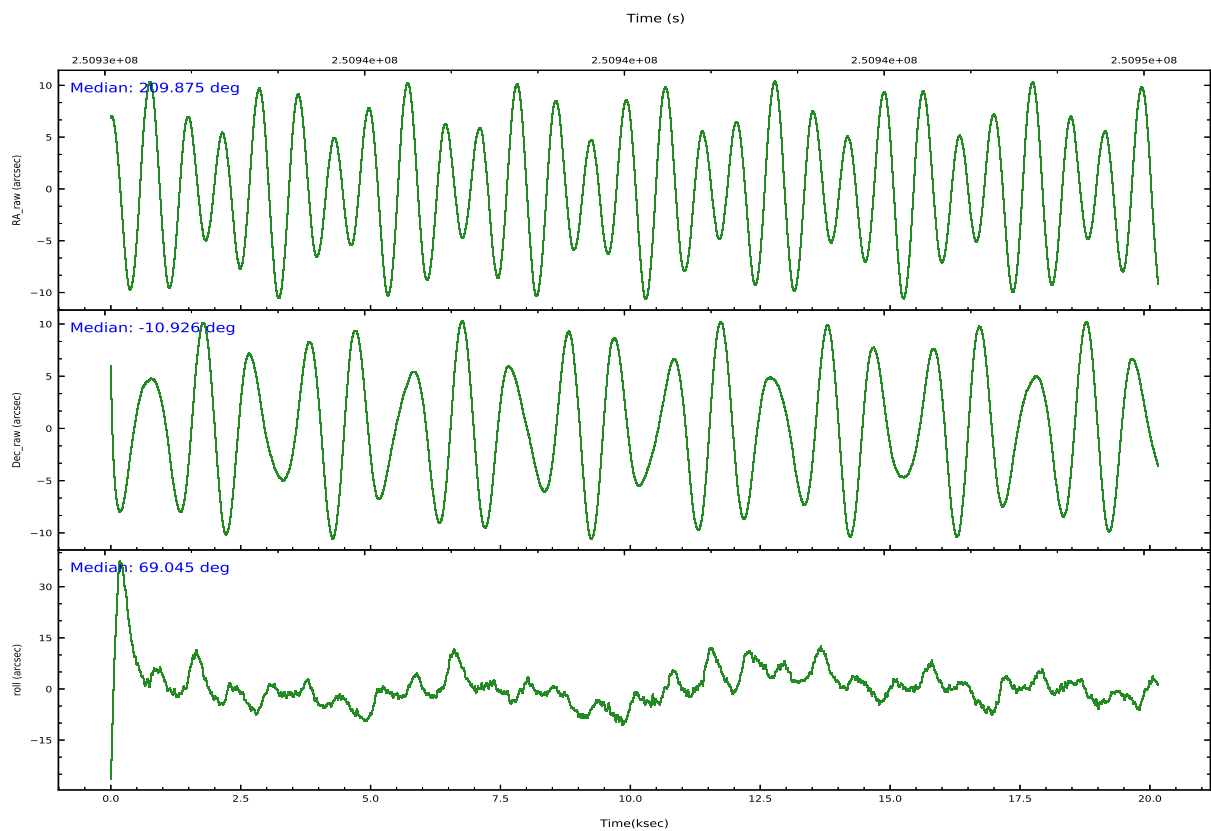
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	125847	130073	145155	135824	137962	grade 0 events	5007	5913	4727	4741	4928
rejected events	112075	114301	132119	122703	123899		3%	4%	3%	3%	3%
rejected %	89%	87%	91%	90%	89%	grade 1 events	86	59	106	80	56
							0%	0%	0%	0%	0%
						grade 2 events	3185	3392	3080	2802	3058
							2%	2%	2%	2%	2%
						grade 3 events	1619	1698	1385	1490	1524
							1%	1%	0%	1%	1%
						grade 4 events	1430	1724	1474	1437	1543
							1%	1%	1%	1%	1%
						grade 5 events	4613	5264	4389	5387	5354
							3%	4%	3%	3%	3%
						grade 6 events	2538	3047	2372	2654	3017
							2%	2%	1%	1%	2%
						grade 7 events	107369	108976	127622	117233	118482
							85%	83%	87%	86%	85%

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	209.879438	209.87738942515	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.952848	-10.929081444733	Alternating exposures requested	N	N
[deg] Pointing Roll	68.837155	69.044894740182	[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)	250930272.184000	250929247.73255			
Observation start date	2005-12-14T06:50:08	2005-12-14T06:34:07			
[s] Observation end time (MET)	250950272.184000	250951717.27109			
Observation end date	2005-12-14T12:23:28	2005-12-14T12:48:37			
Read mode	TIMED	TIMED			

2.3 Aspect



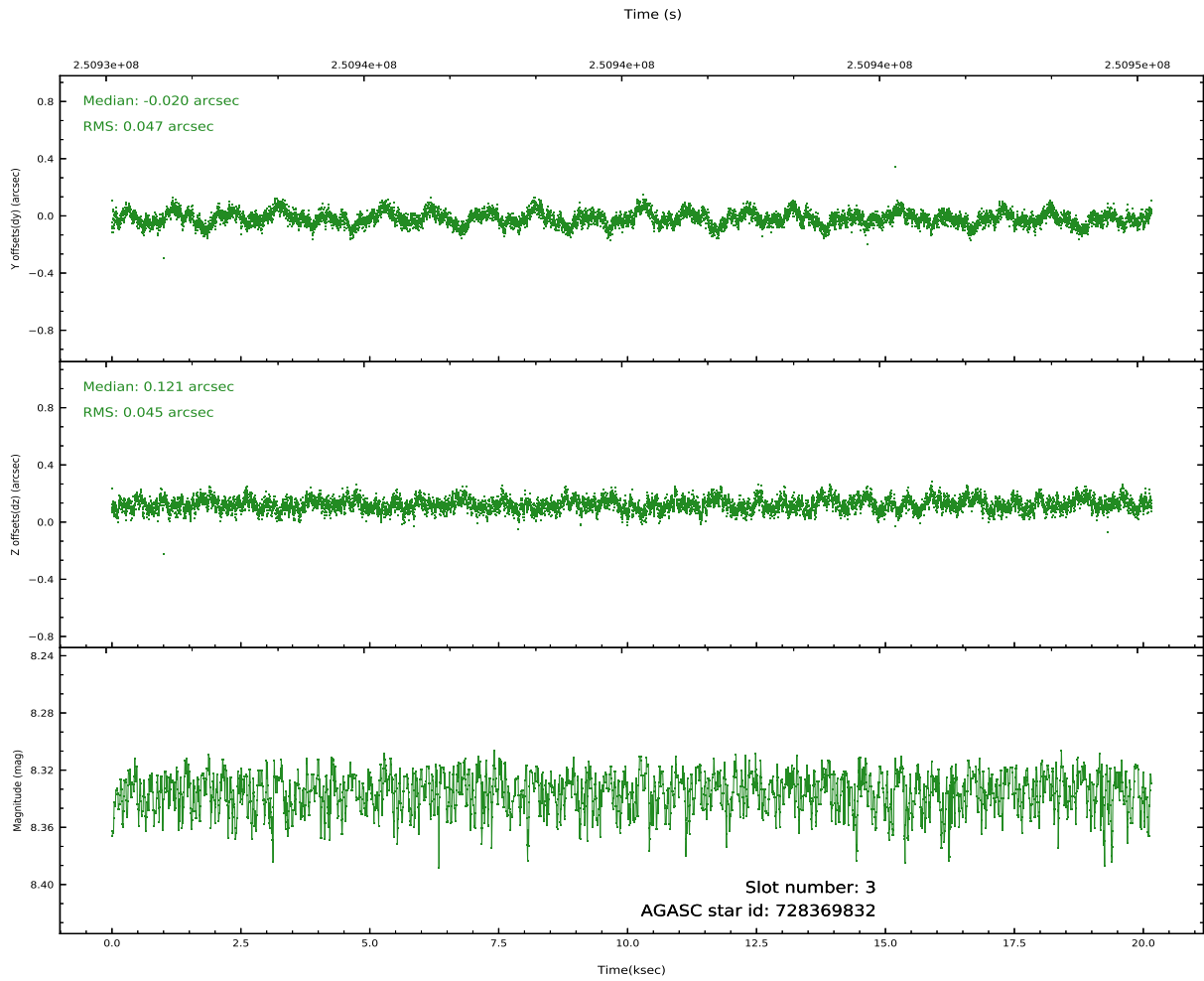
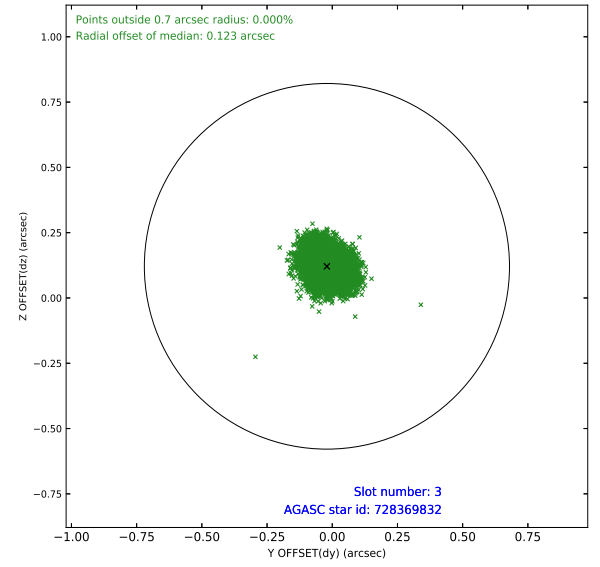
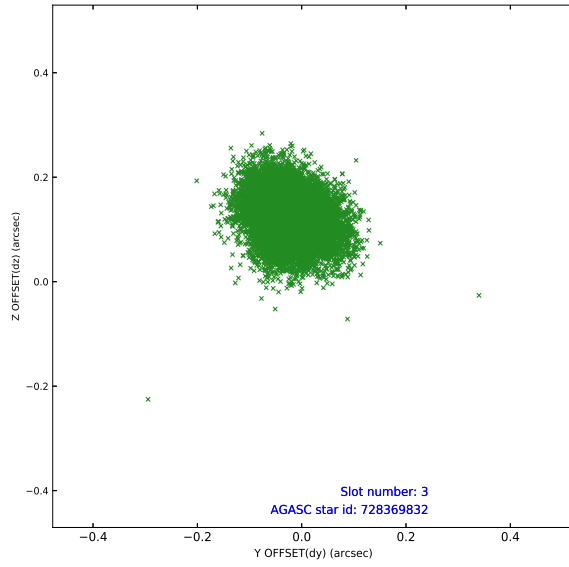


Slot Statistics

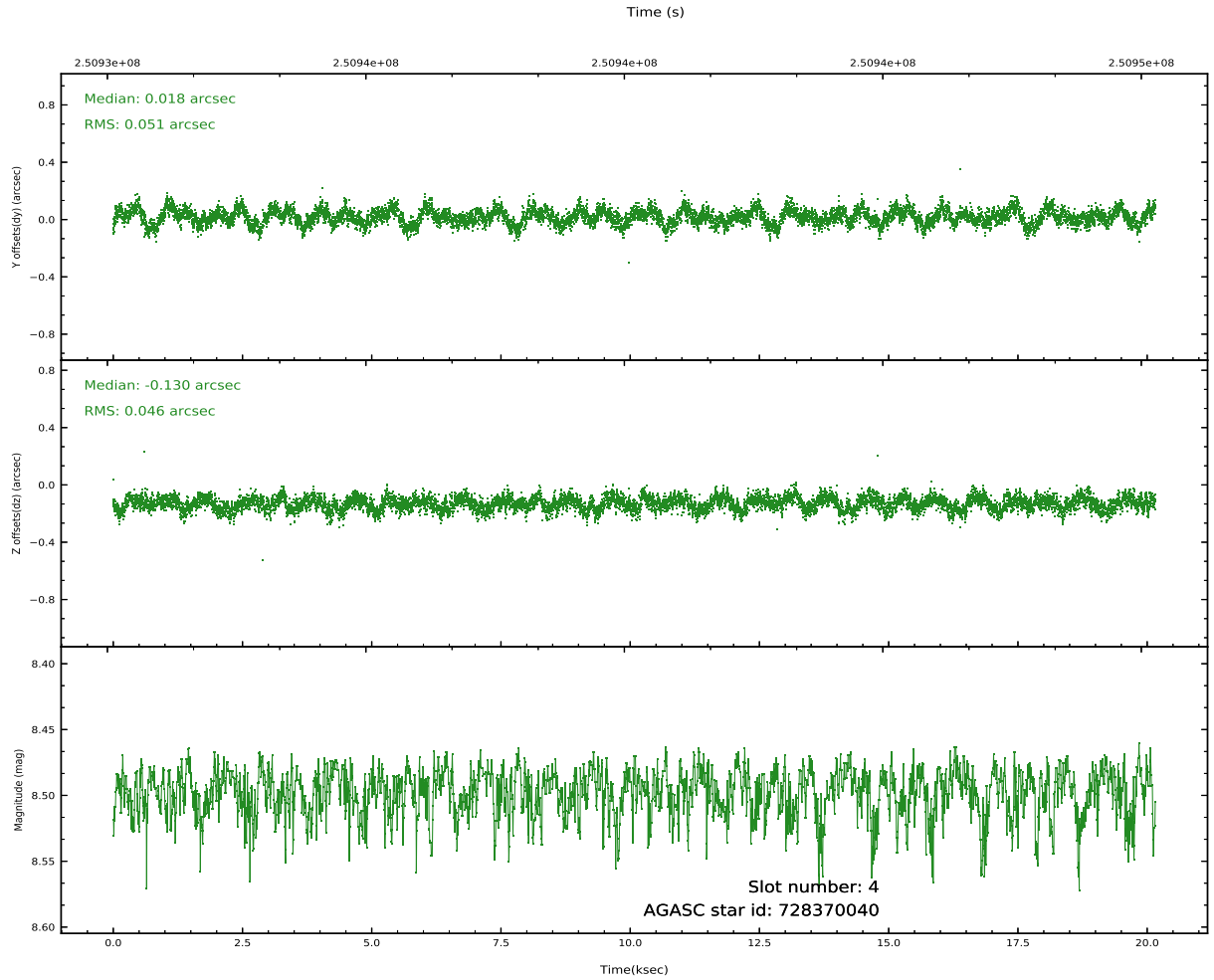
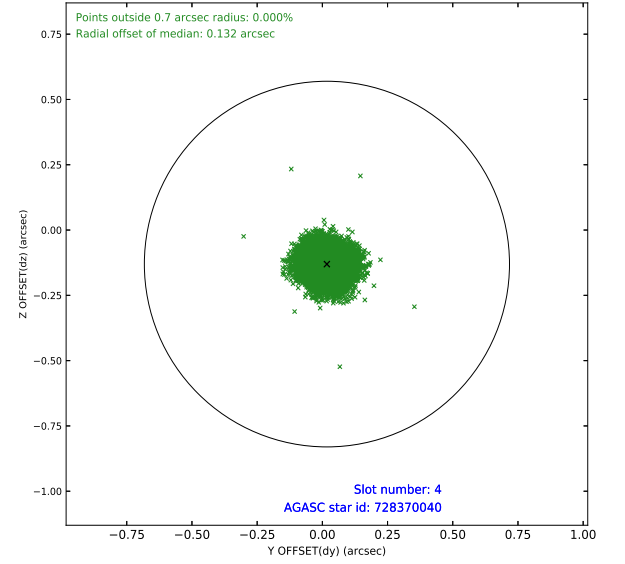
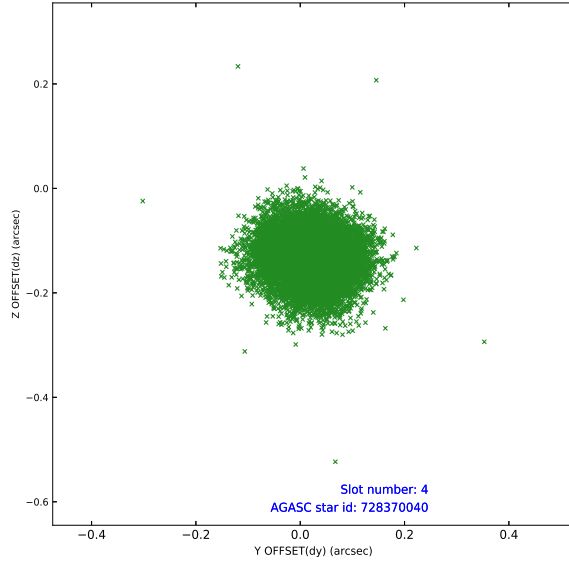
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	4917	1.000	-0.025	-0.099	0.013	0.037	0.000000	0.000000	932.10	-835
1	FID		ACIS-I-4	7.18	4916	1.000	0.184	0.105	0.012	0.036	0.000000	0.000000	2152.45	1064
2	FID		ACIS-I-5	7.22	4918	1.000	-0.255	0.065	0.010	0.020	0.000000	0.000000	-1815.89	1062
3	GUIDE	used	728369832	8.33	9832	1.000	-0.020	0.121	0.069	0.112	210.251544	-11.309313	-723.14	-1688
4	GUIDE	used	728370040	8.50	9831	1.000	0.018	-0.130	0.074	0.116	209.435918	-10.924599	-472.22	1498
5	GUIDE	used	728371016	8.63	9832	1.000	-0.209	0.124	0.066	0.109	210.163866	-10.528337	1788.08	-386
6	GUIDE	used	728378080	9.64	9828	1.000	0.130	-0.141	0.129	0.207	209.606330	-11.157421	-1034.95	633
7	GUIDE	used	728378512	9.59	9741	1.000	0.079	0.022	0.113	0.192	209.512984	-10.090627	2425.05	2331

2.4 Star Slots

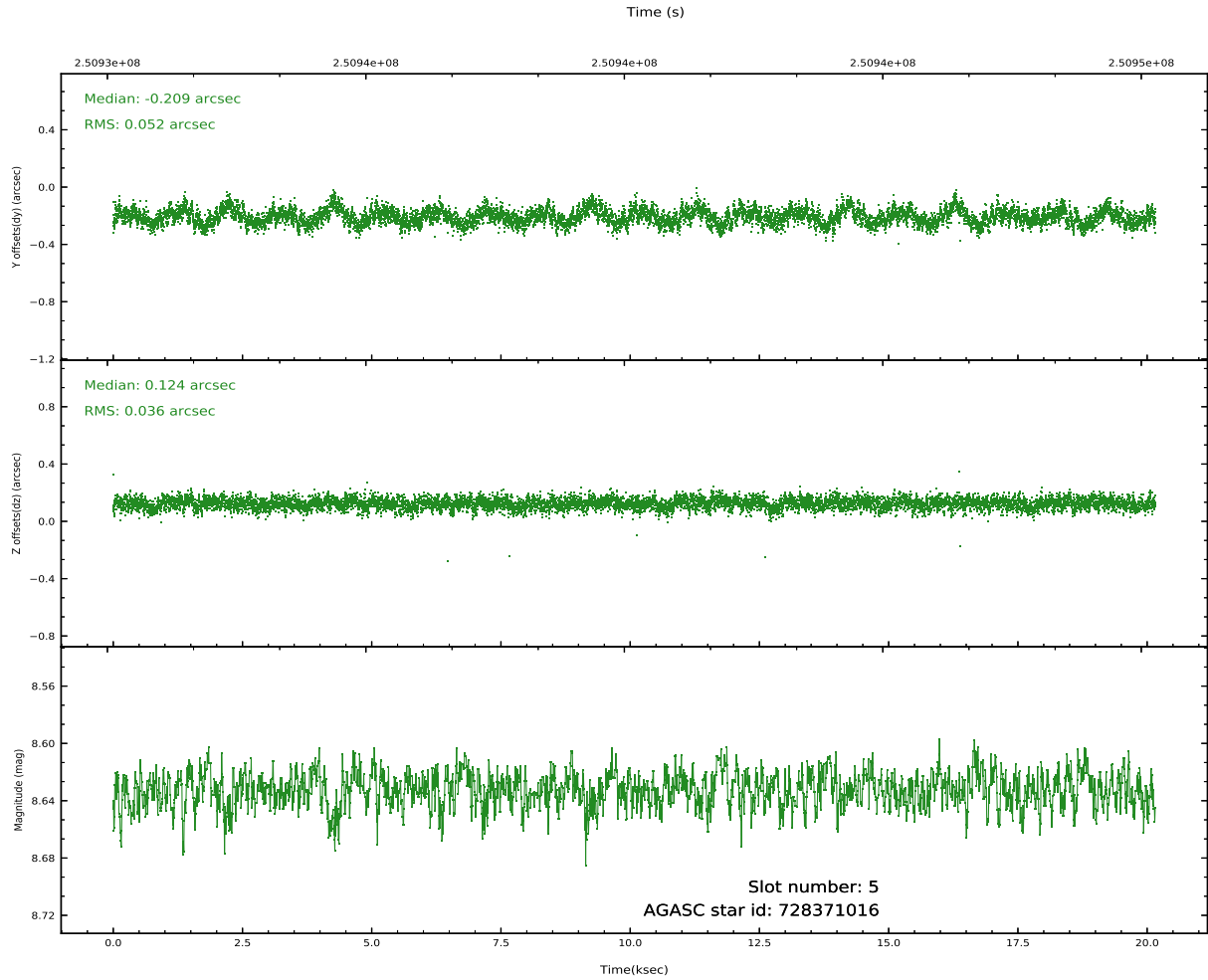
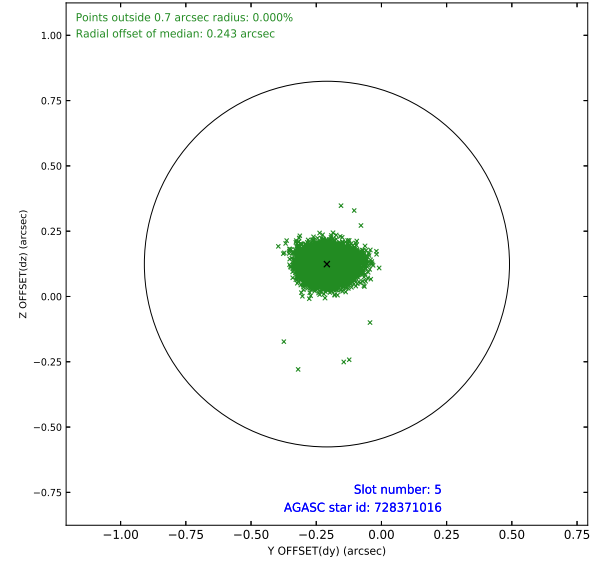
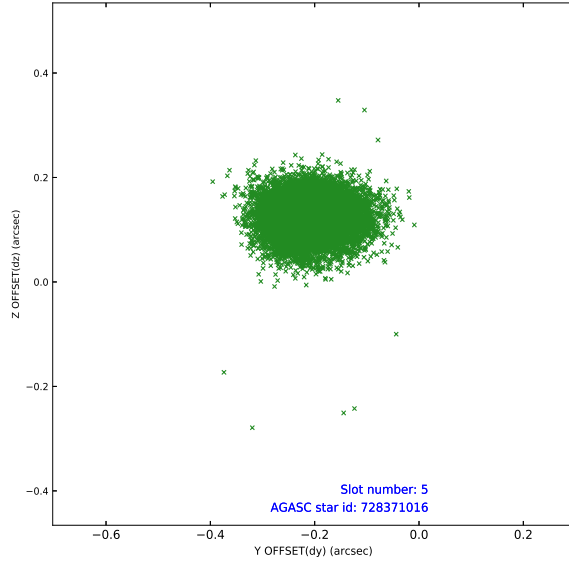
2.4.1 Slot 3



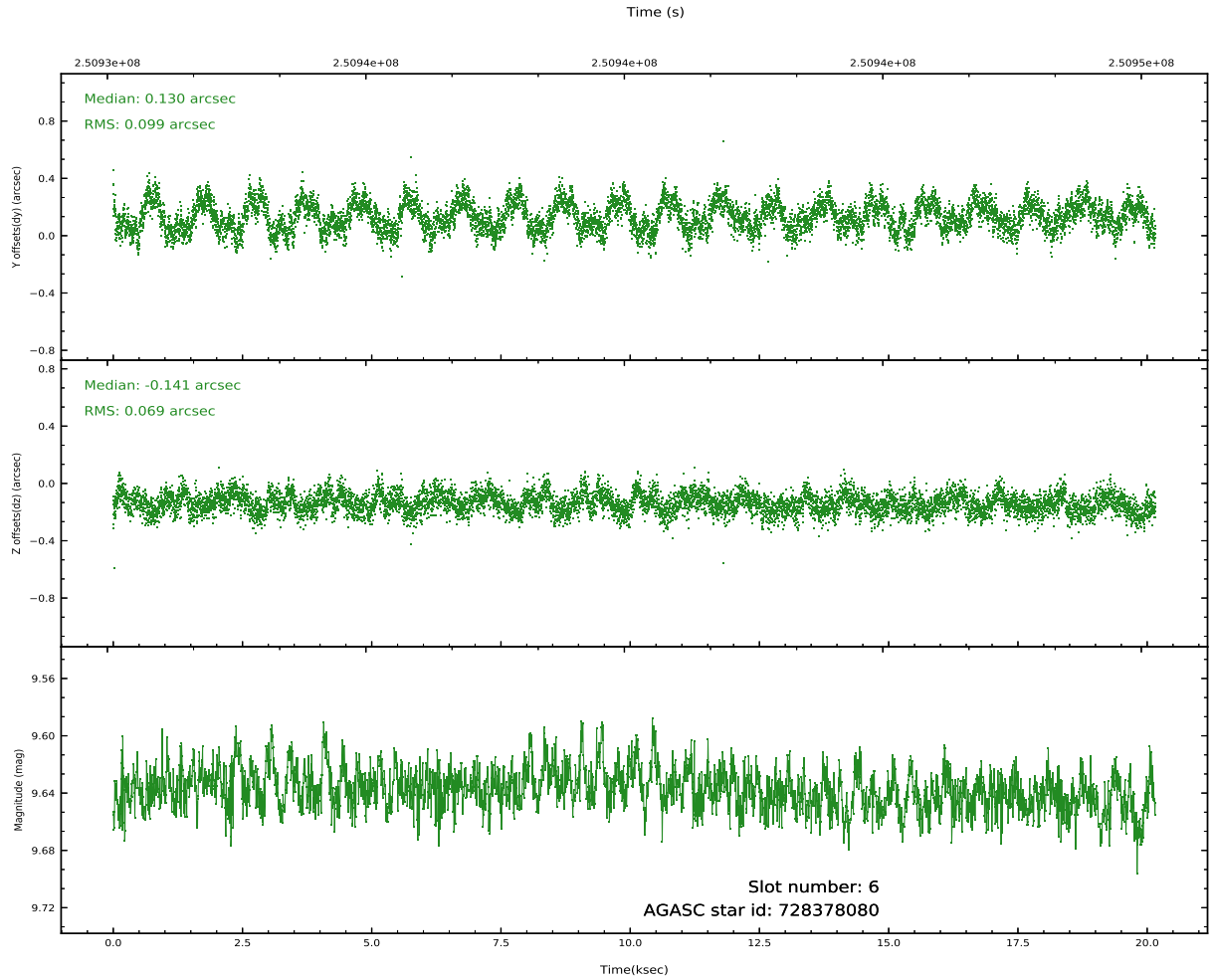
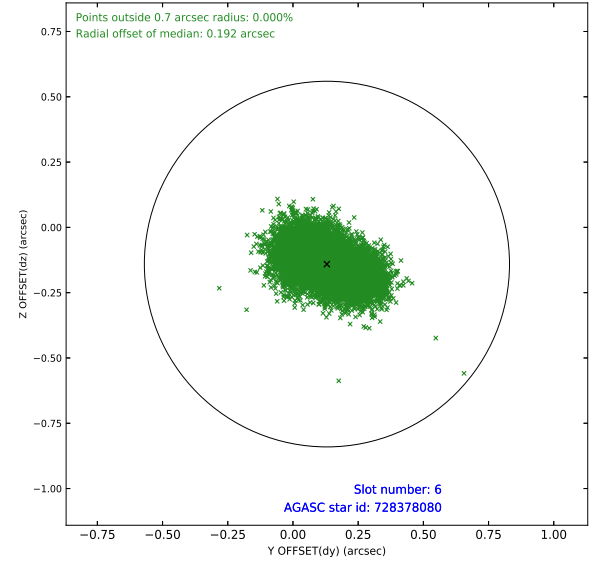
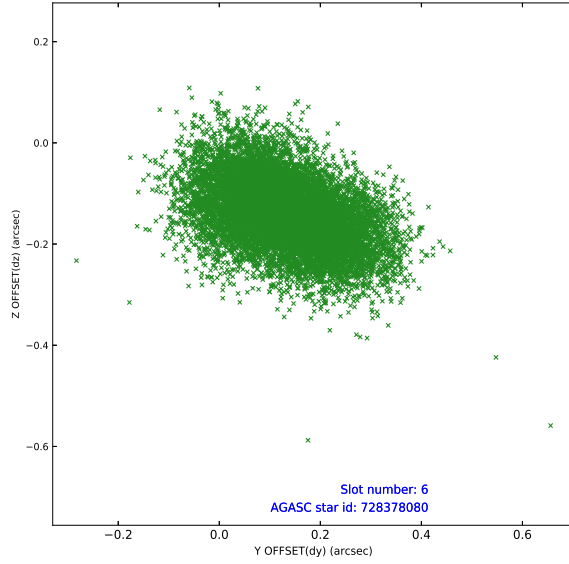
2.4.2 Slot 4



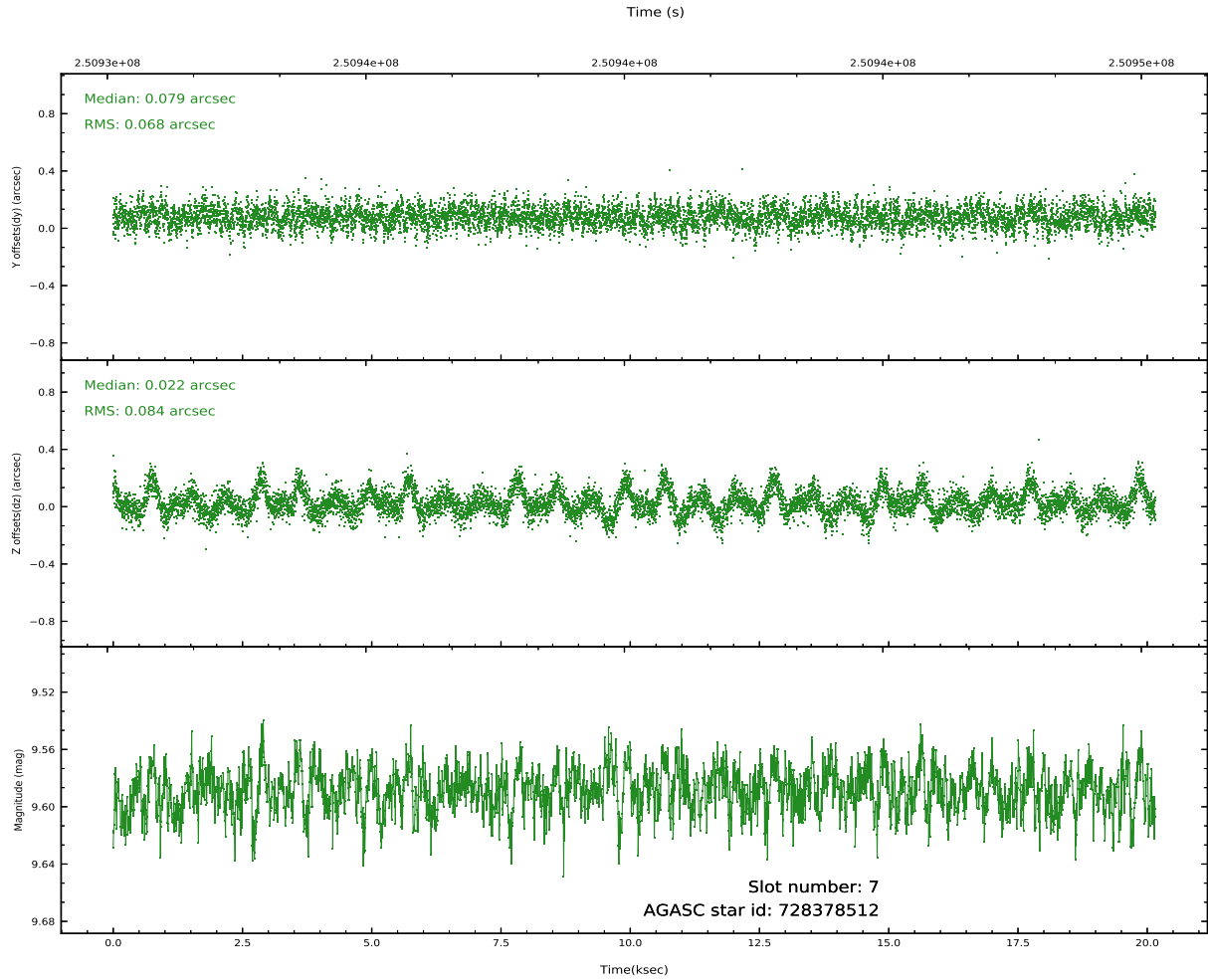
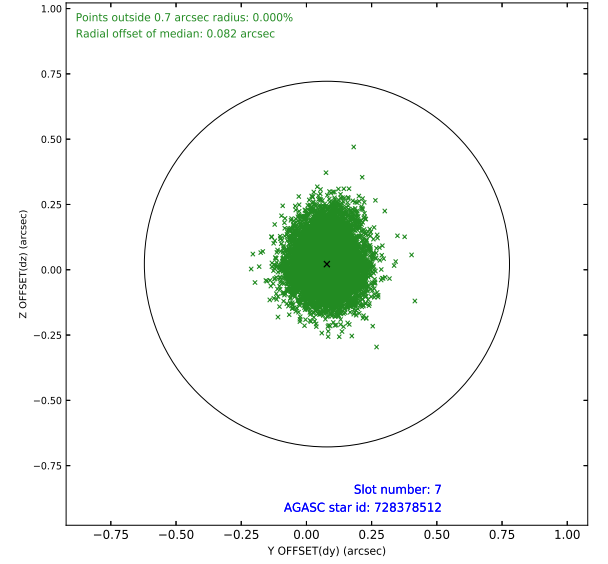
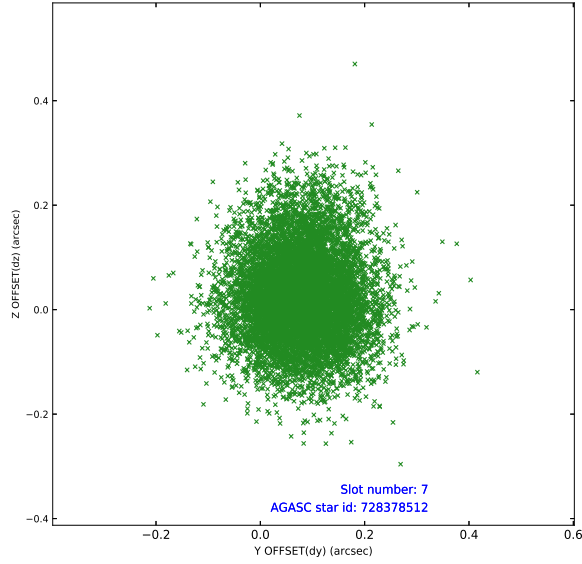
2.4.3 Slot 5



2.4.4 Slot 6

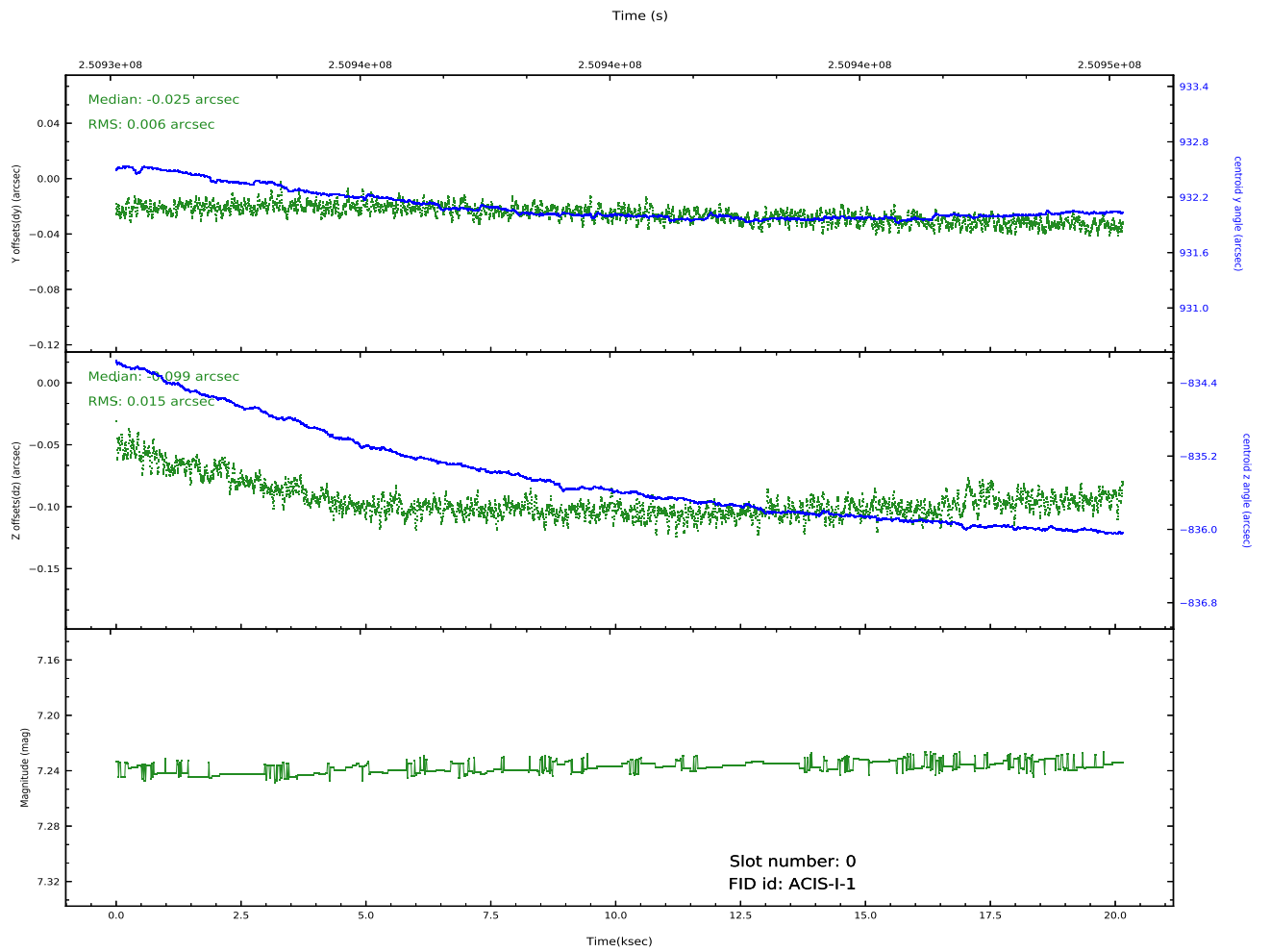
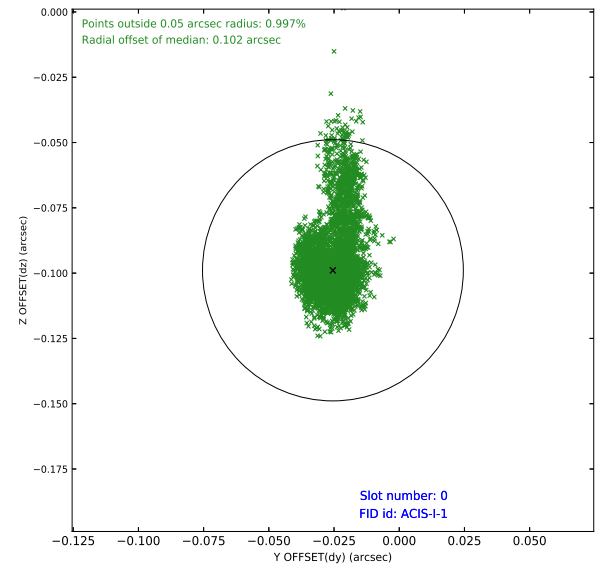
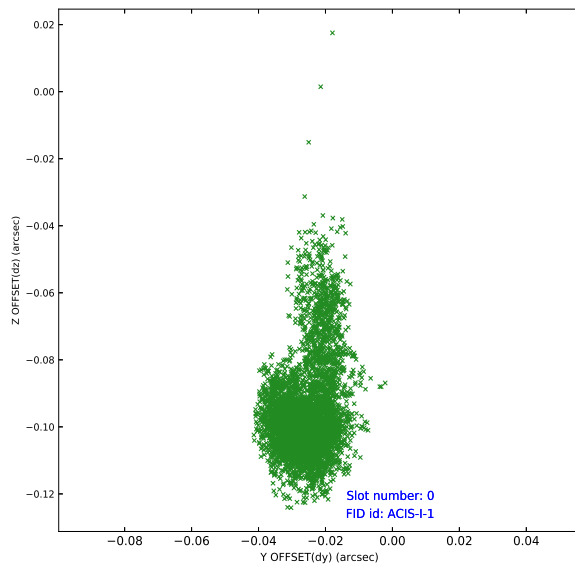


2.4.5 Slot 7

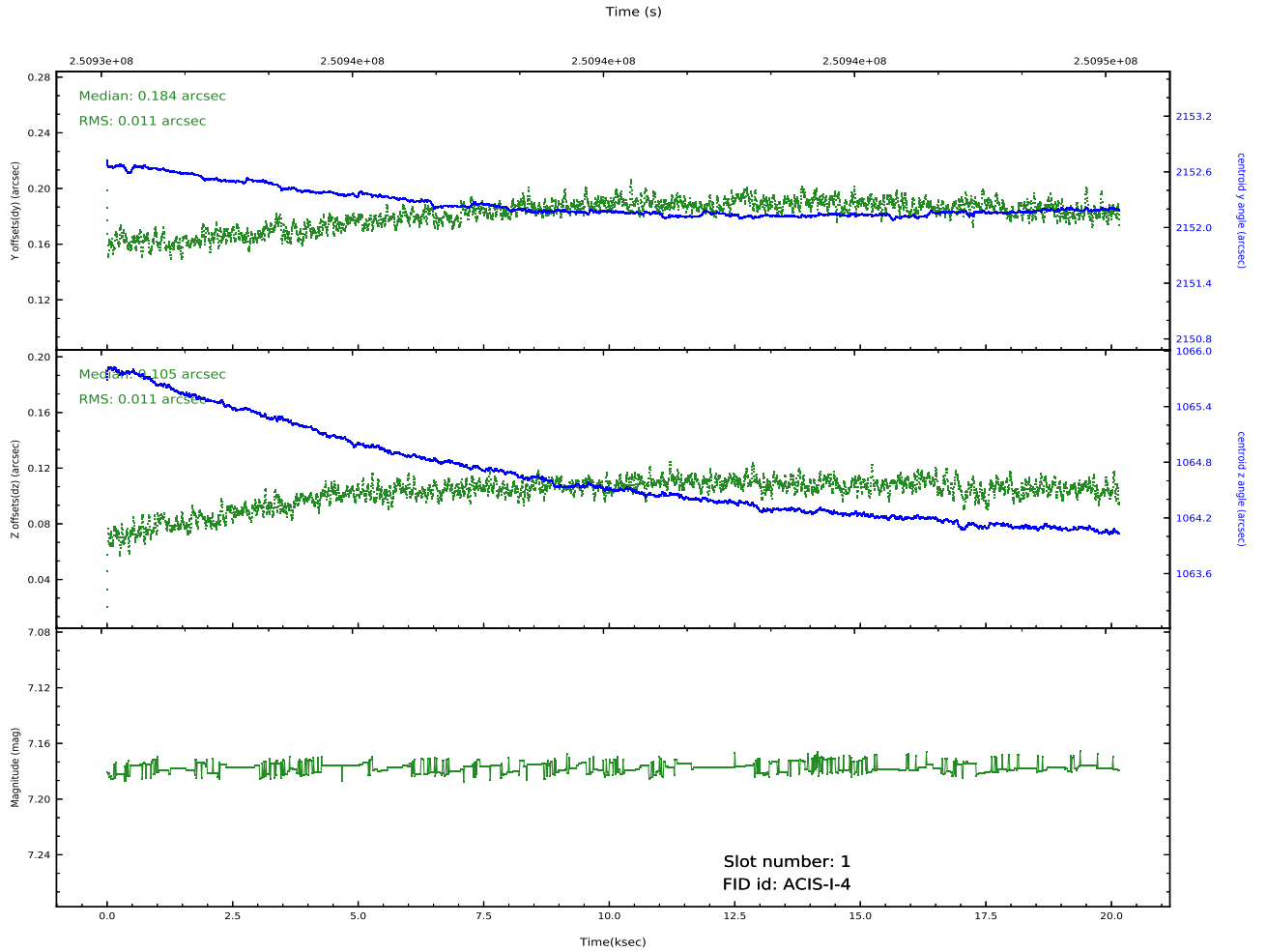
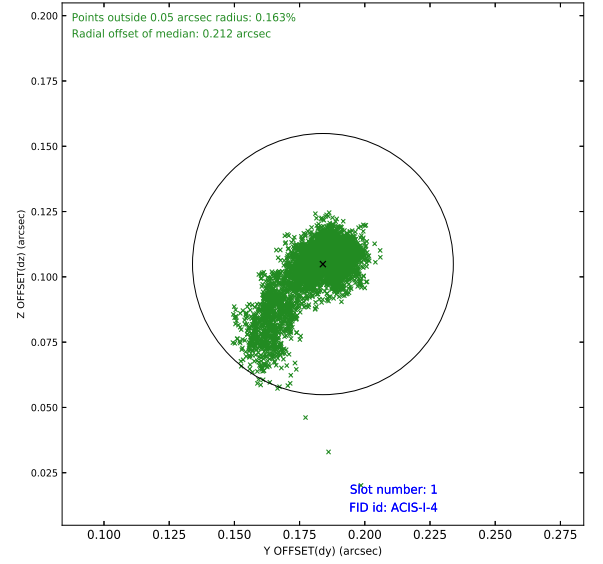
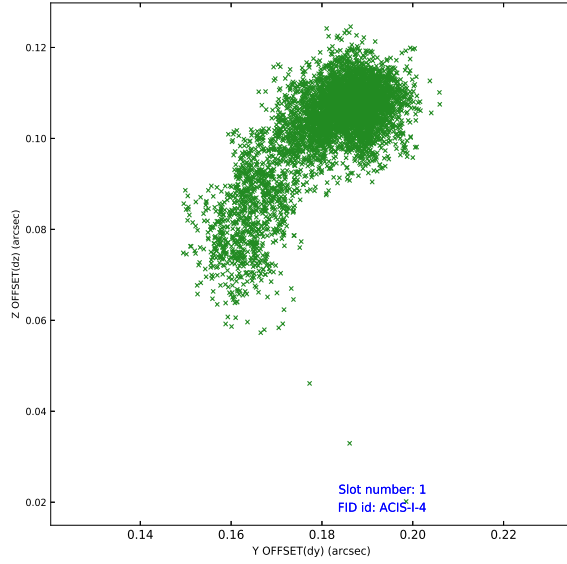


2.5 FID Slots

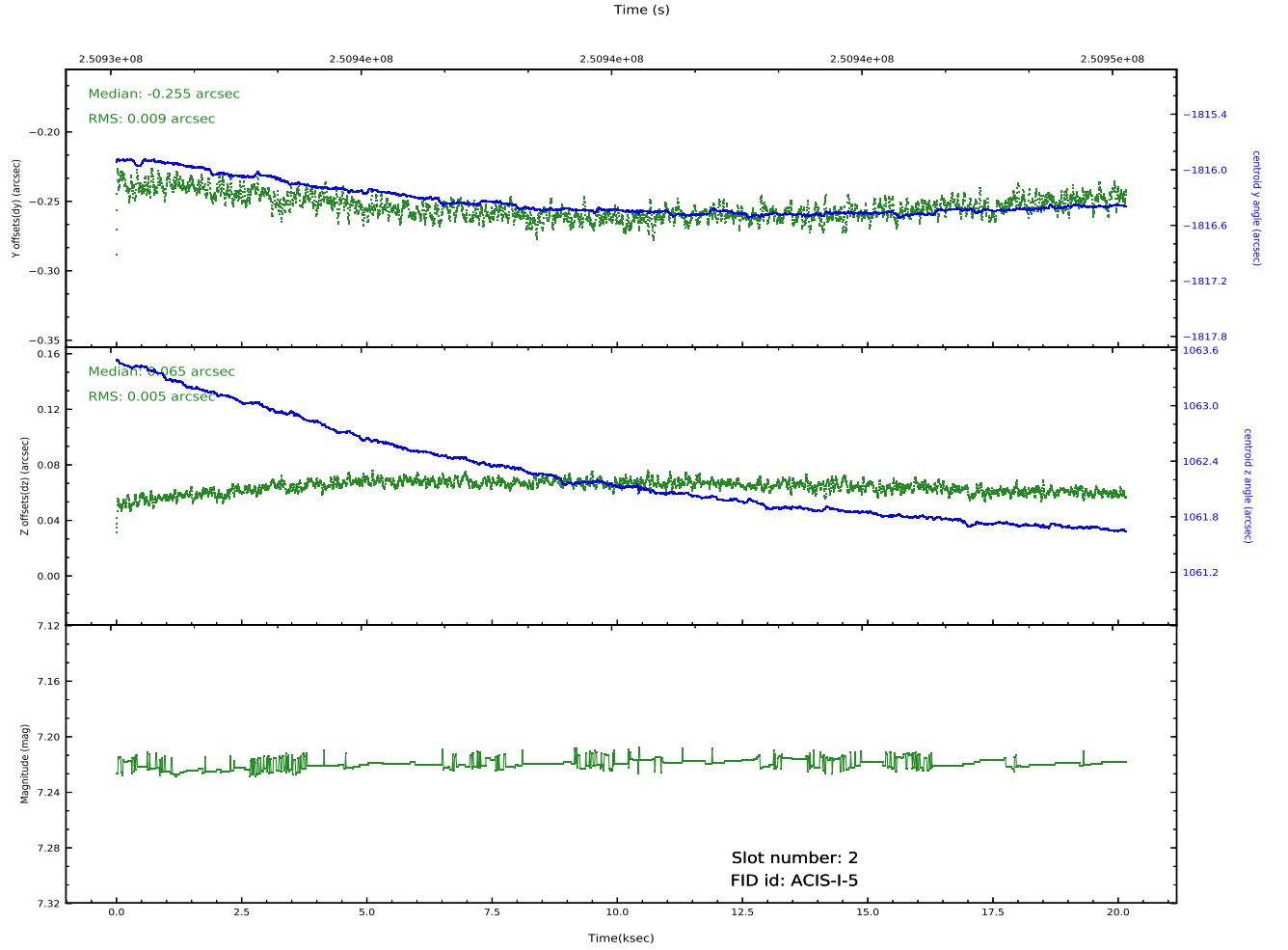
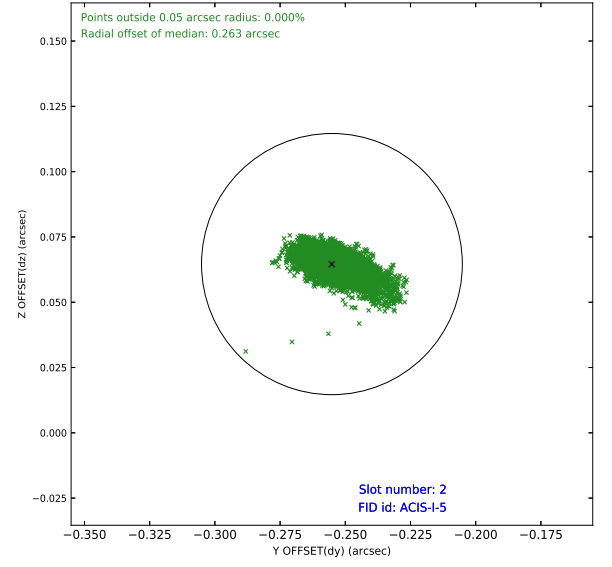
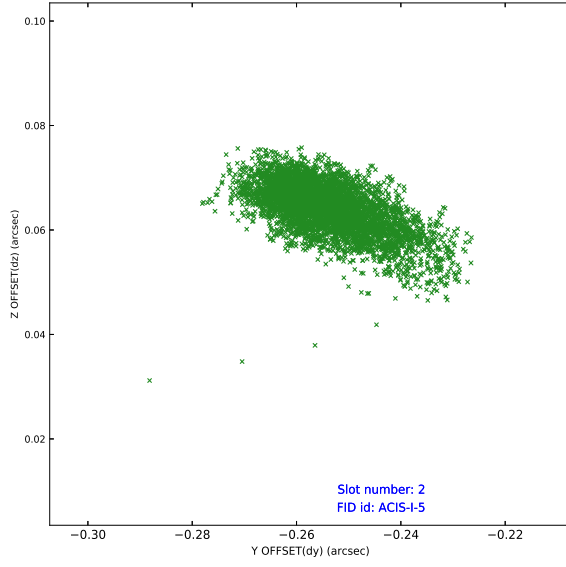
2.5.1 Slot 0



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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.08799

A.2 Comments

Charge time for this ObsId remains at previous value of 20.08799 ksec, although with the current processing the charge time would have been 20.13 ksec.