

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20426 - L2 Version 2
Chandra X-Ray Center

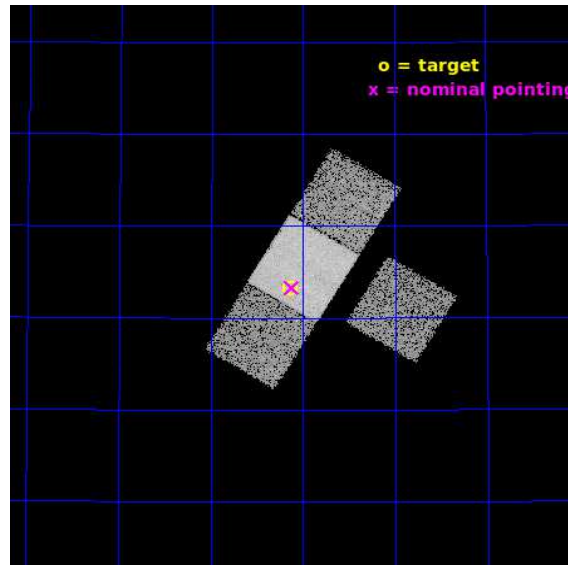
L2 Processing Date : Oct 27 2020

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1 Front

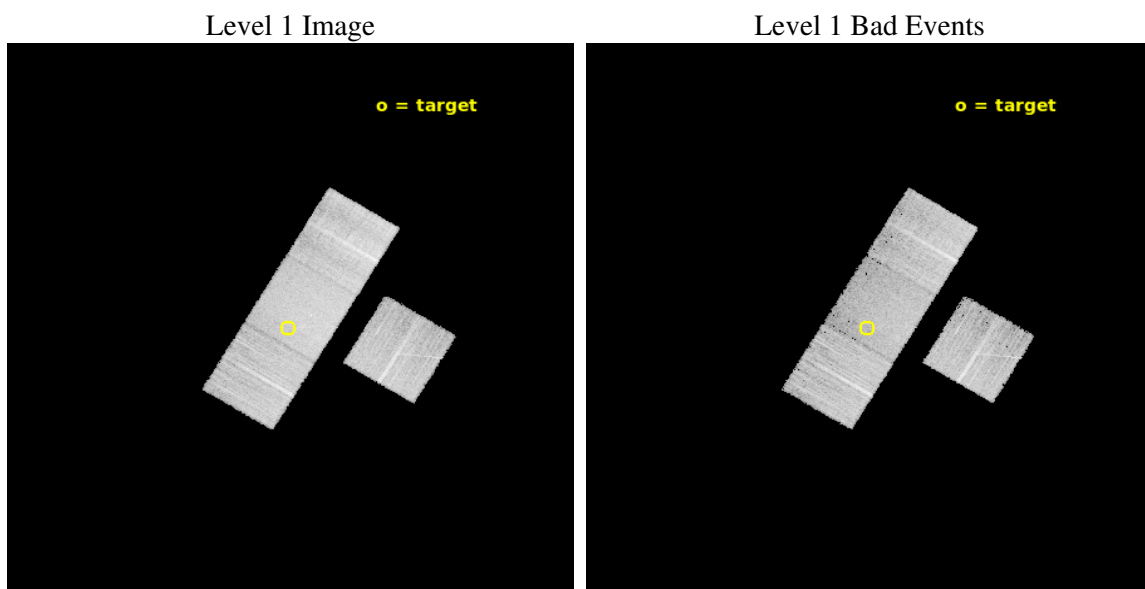
seq_num	703531	Sequence number
obs_id	20426	Observation id
title	X-Ray properties of Post-Merger Spheroidal Galaxies: The Missing Link in Understanding the Merger-AGN connection	Proposal title
observer	Preethi Nair	Principal investigator
object	SDSS J142308.04+501316.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.78375	Observer's specified target RA [deg]
dec_targ	50.2215	Observer's specified target Dec [deg]
ra_nom	215.78041326789	Nominal RA [deg]
dec_nom	50.221721798007	Nominal Dec [deg]
roll_nom	301.1391476479	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10061.686629295	Sum of GTIs [s]
livetime	9930.2232861777	Livetime [s]
ontime3	10039.617297173	Sum of GTIs [s]
ontime6	10052.222488642	Sum of GTIs [s]
ontime7	10061.686629295	Sum of GTIs [s]
ontime8	10061.563509345	Sum of GTIs [s]
l2events	62718	Number of level 2 events



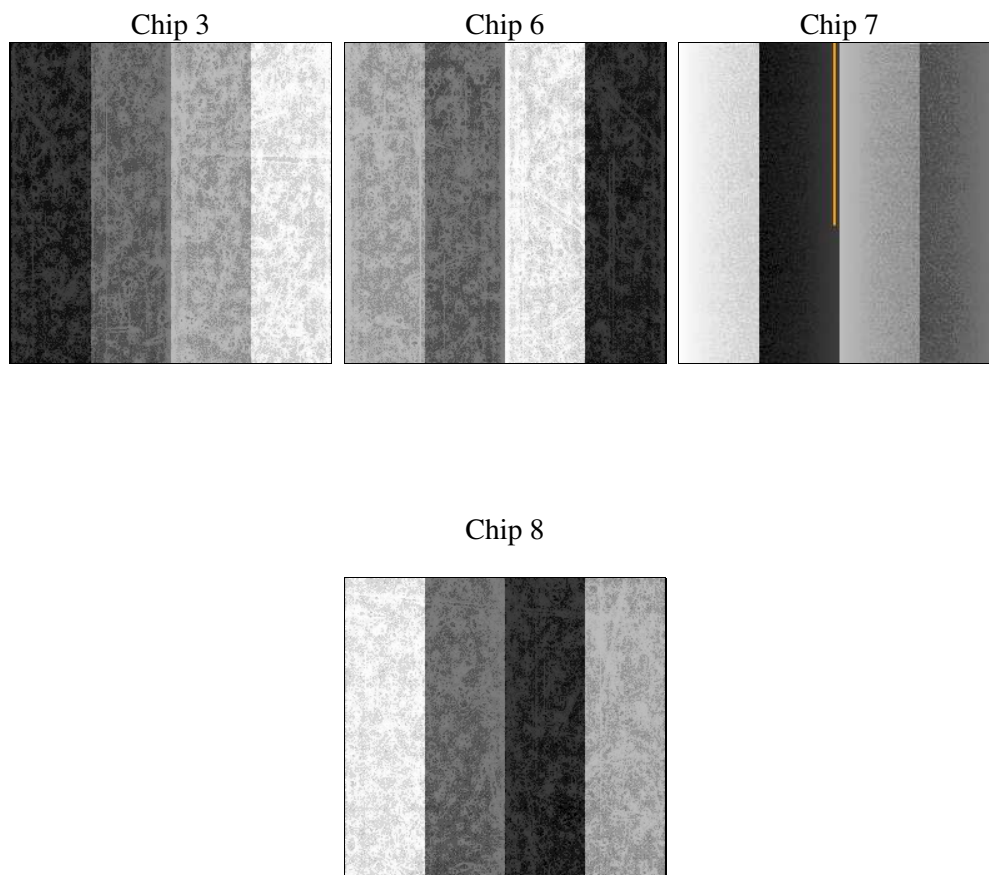
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.099000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10061.686629295	Sum of GTIs [s]
caldsver	4.9.3	 	ontime3	10039.617297173	Sum of GTIs [s]
date	2020-10-27T18:26:19	Date and time of file creation	ontime6	10052.222488642	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10061.686629295	Sum of GTIs [s]
			ontime8	10061.563509345	Sum of GTIs [s]
			l1events	349857	Number of level 1 events

2.1.4 Events

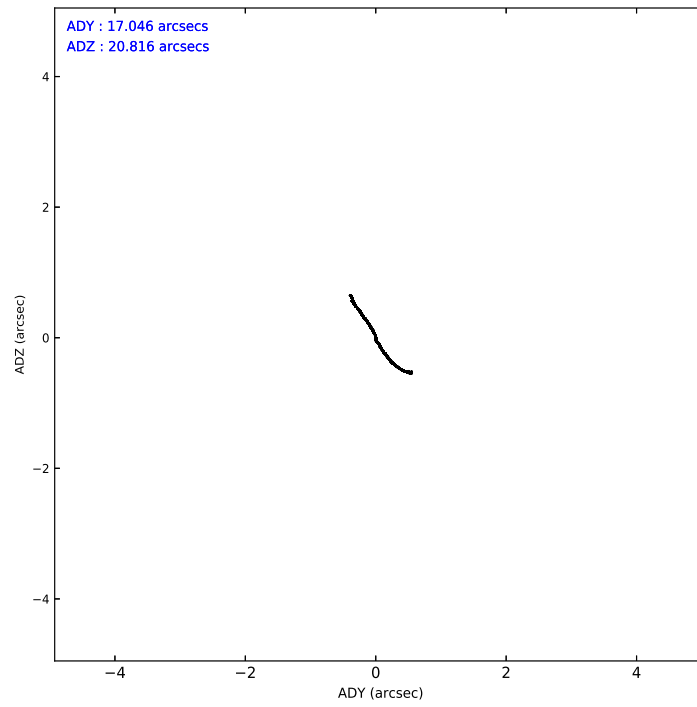
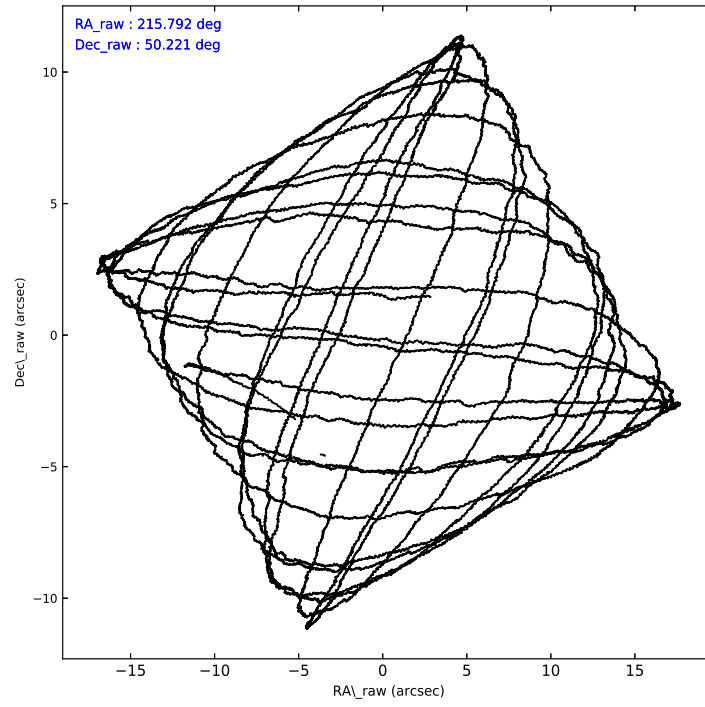
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	74818	80696	96664	97679
rejected events	67443	72152	55154	73923
rejected %	90%	89%	57%	75%

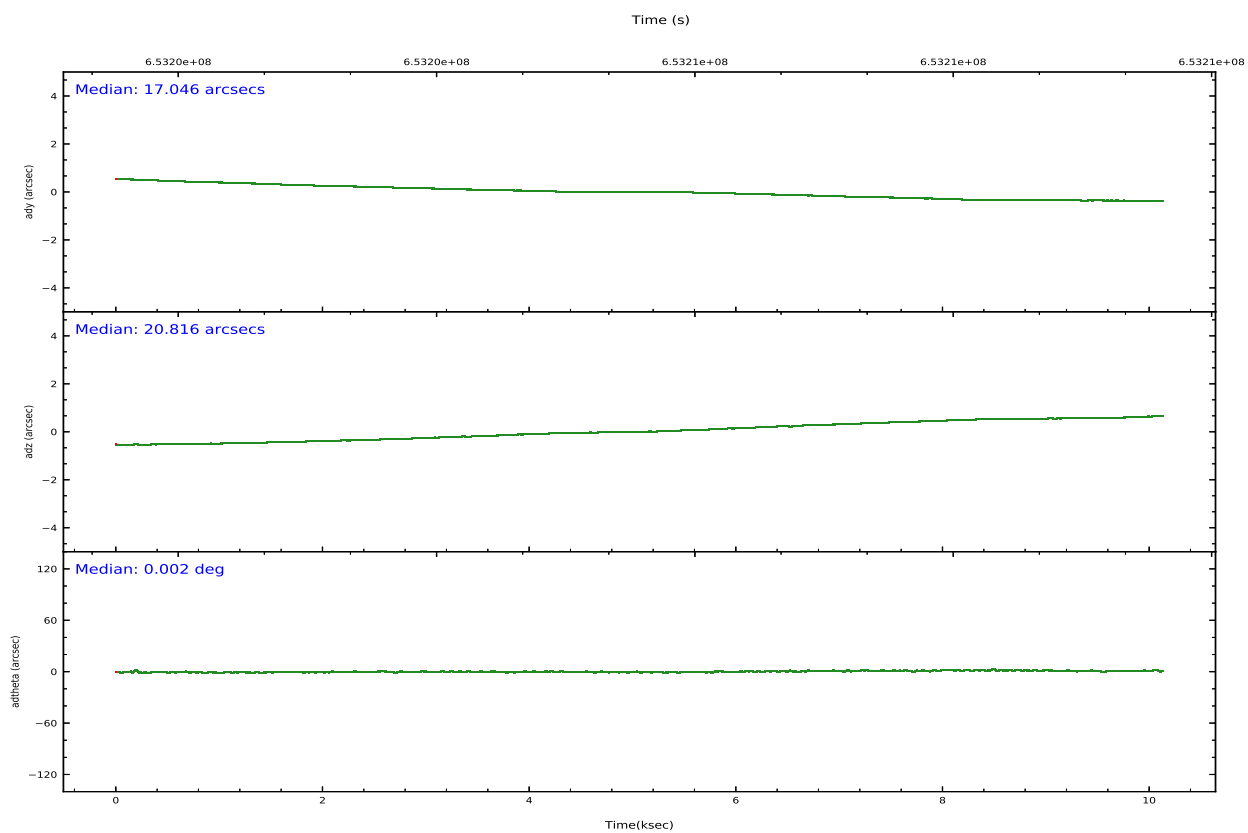
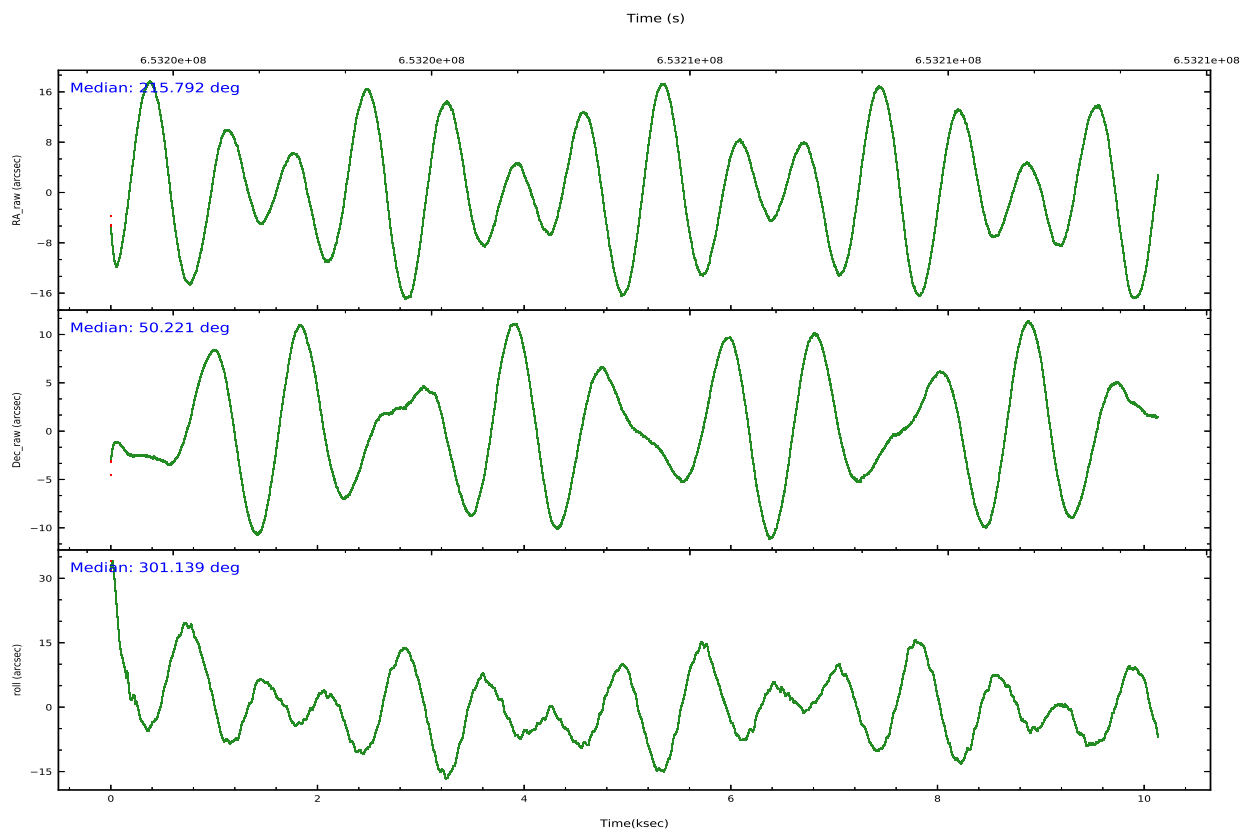
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2491	2478	3421	6615
	3%	3%	3%	6%
grade 1 events	24	39	146	59
	0%	0%	0%	0%
grade 2 events	1664	2304	8551	5974
	2%	2%	8%	6%
grade 3 events	768	720	3138	2352
	1%	0%	3%	2%
grade 4 events	762	726	3175	2152
	1%	0%	3%	2%
grade 5 events	3288	3160	9349	4952
	4%	3%	9%	5%
grade 6 events	1692	2323	23254	6694
	2%	2%	24%	6%
grade 7 events	64129	68946	45630	68881
	85%	85%	47%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-3678	ACIS-3678	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	215.754680	215.78041326789	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.233502	50.221721798007	Alternating exposures requested	N	N
[deg] Pointing Roll	301.022345	301.1391476479	[s] Primary exposure time	0.000000	3.1
[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)	653202032.184000	653200785.86752			
Observation start date	2018-09-13T04:59:23	2018-09-13T04:39:45			
[s] Observation end time (MET)	653212032.184000	653212509.30571			
Observation end date	2018-09-13T07:46:03	2018-09-13T07:55:09			
Read mode	TIMED	TIMED			

2.3 Aspect



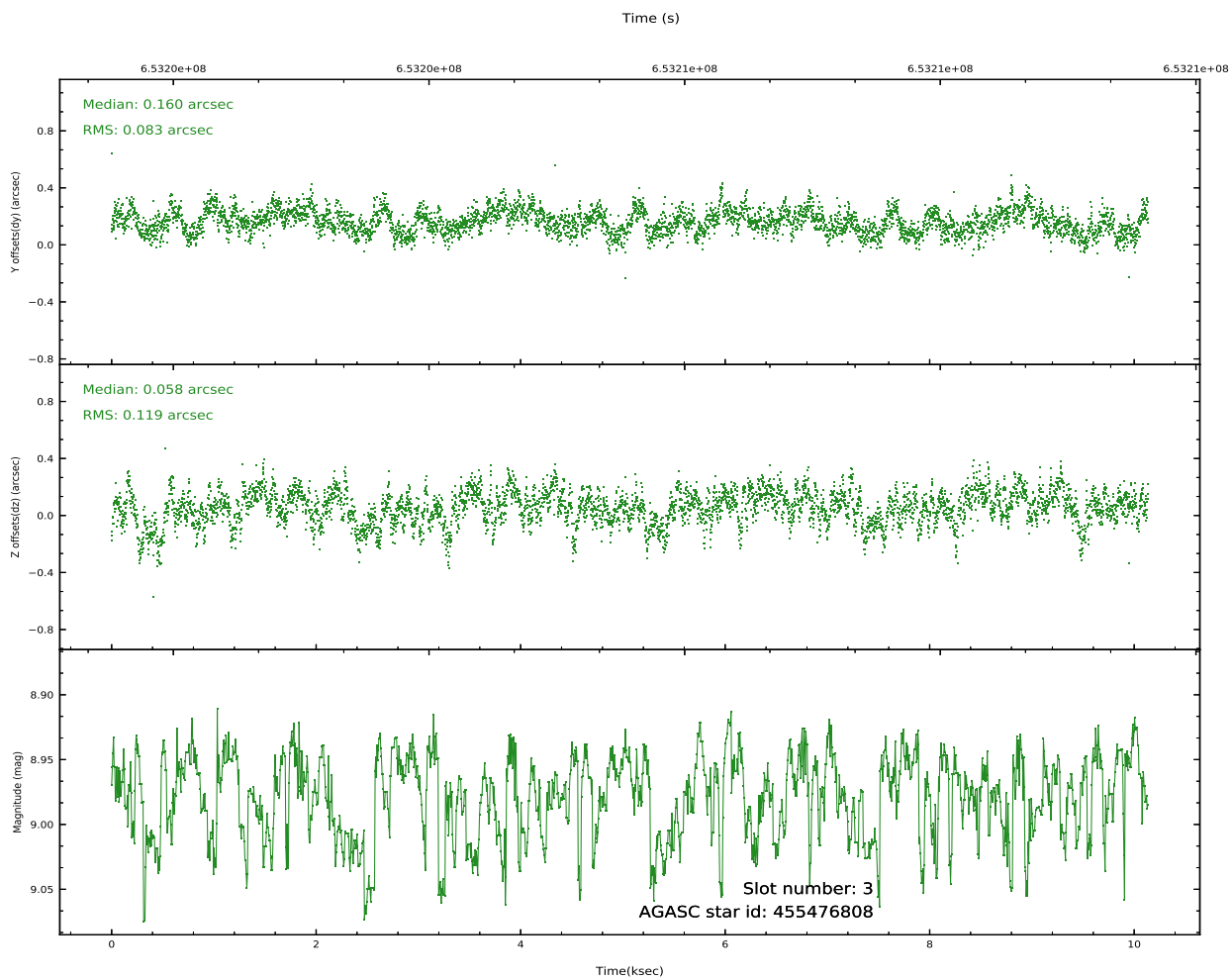
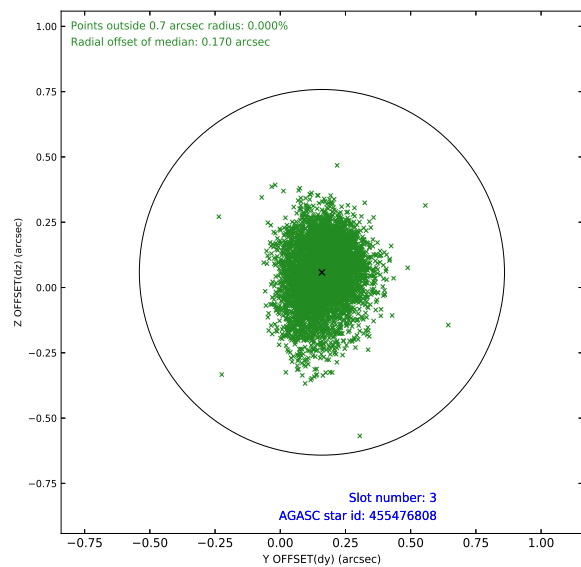
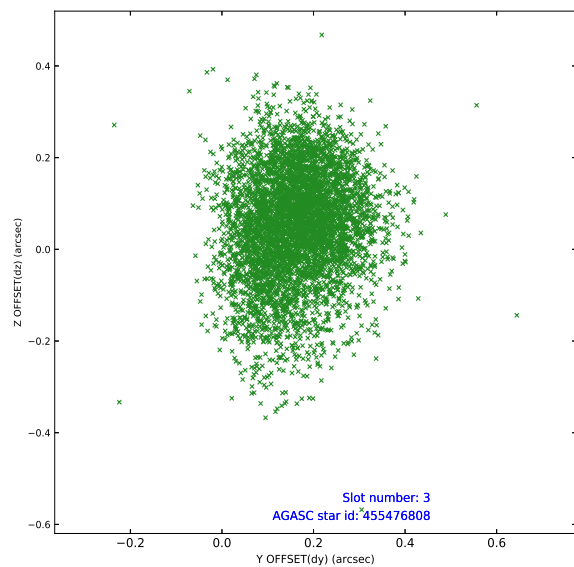


Slot Statistics

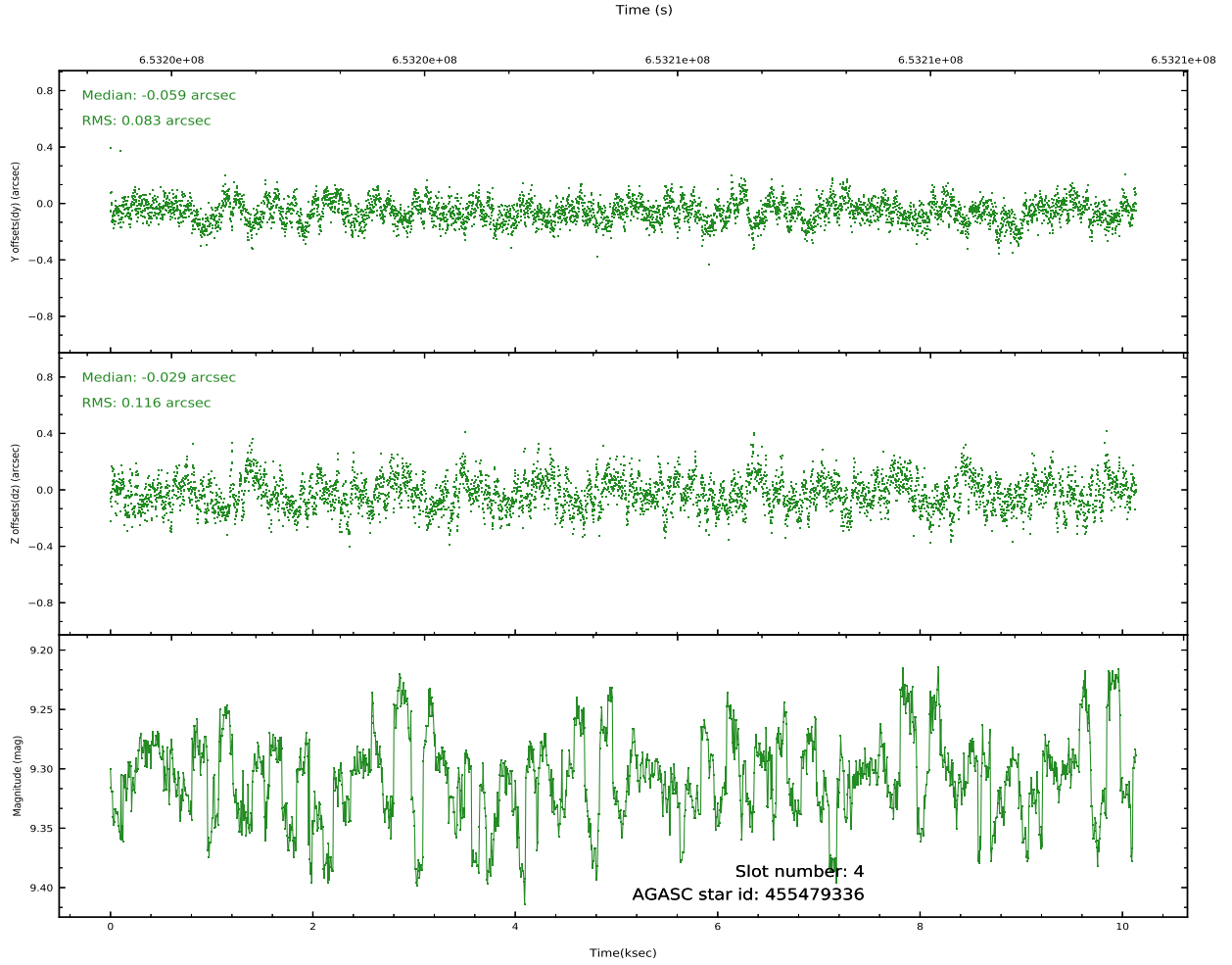
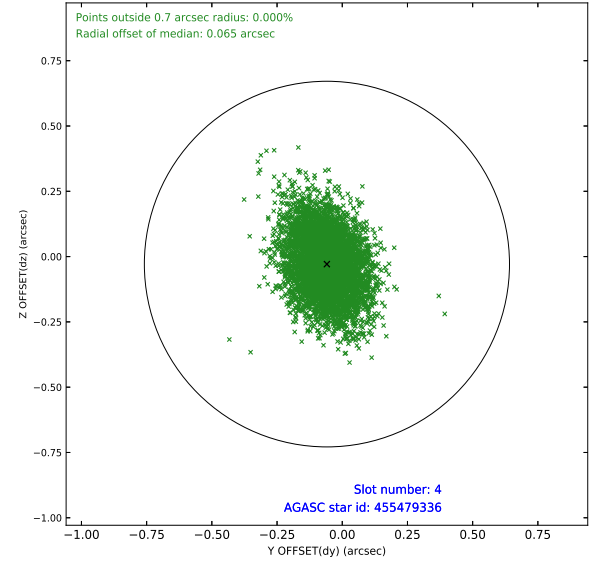
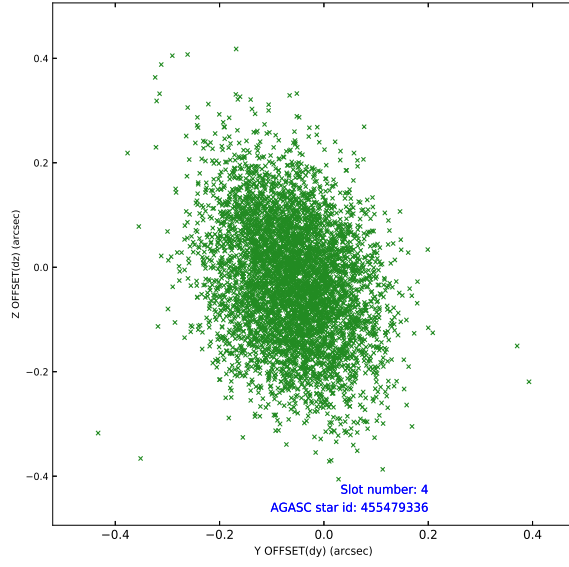
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.12	2473	1.000	0.107	-0.094	0.010	0.017	0.000000	0.000000	-770.16	-1742
1	FID		ACIS-S-4	7.23	2473	1.000	0.127	-0.026	0.013	0.020	0.000000	0.000000	2143.11	165
2	FID		ACIS-S-5	7.21	2472	1.000	-0.266	0.129	0.016	0.024	0.000000	0.000000	-1822.49	160
3	GUIDE	used	455476808	8.98	4937	1.000	0.160	0.058	0.153	0.253	215.985372	49.868989	1399.65	-216
4	GUIDE	used	455479336	9.31	4936	1.000	-0.059	-0.029	0.150	0.245	215.169988	49.838382	515.92	-1893
5	GUIDE	used	455873752	8.97	4943	1.000	-0.080	-0.127	0.155	0.241	216.066260	50.249174	323.72	644
6	GUIDE	used	455475776	9.26	4943	1.000	0.071	-0.036	0.163	0.262	215.914877	49.535971	2345.37	-972
7	GUIDE	used	455877232	7.49	4942	1.000	-0.102	0.131	0.114	0.191	216.266341	50.942469	-1592.23	2312

2.4 Star Slots

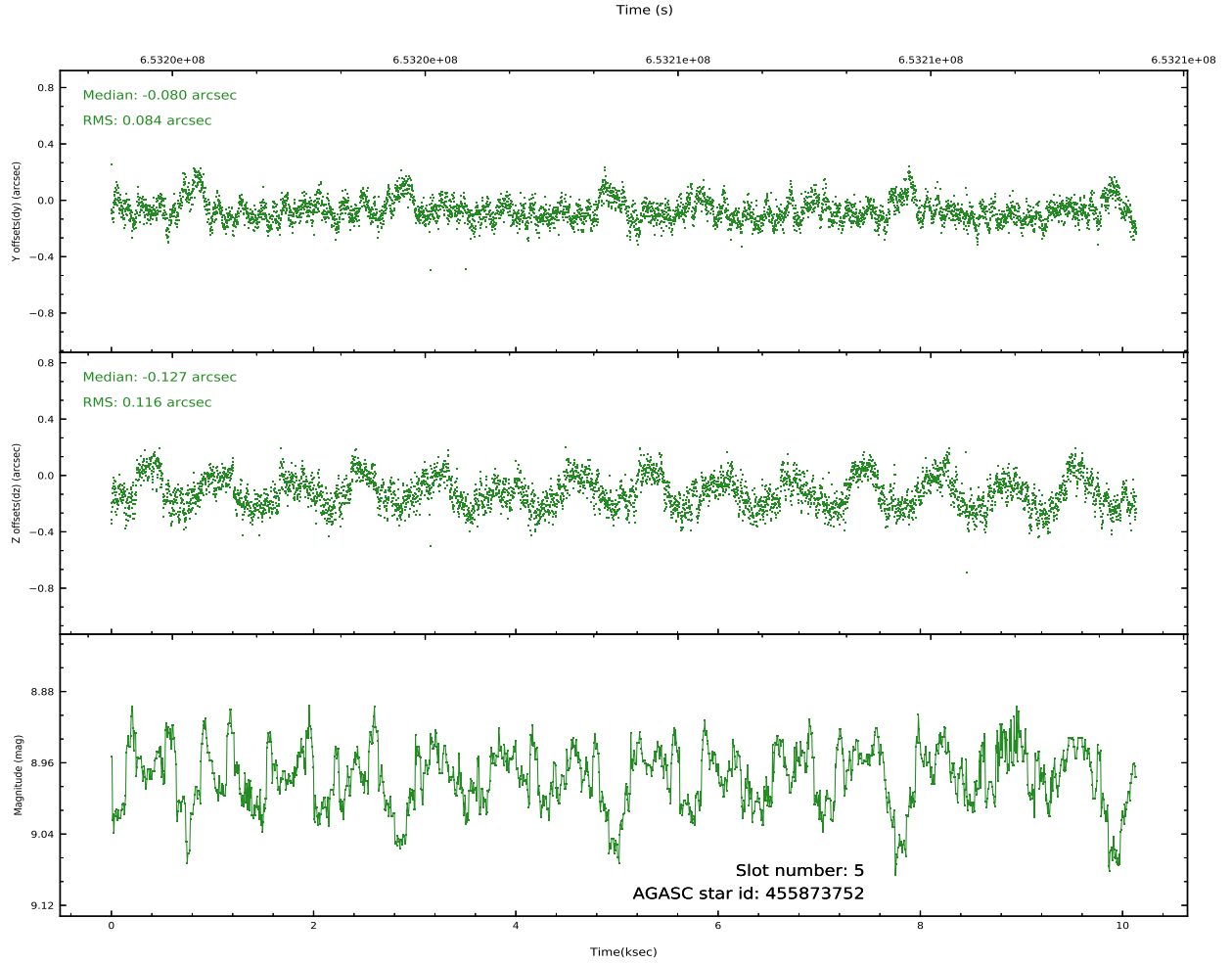
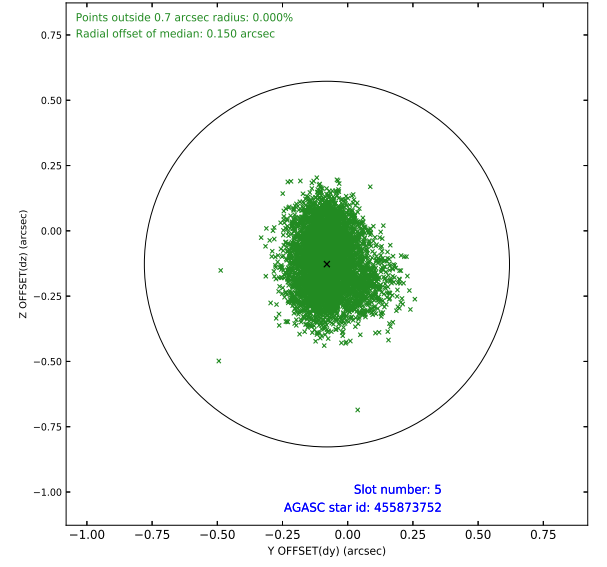
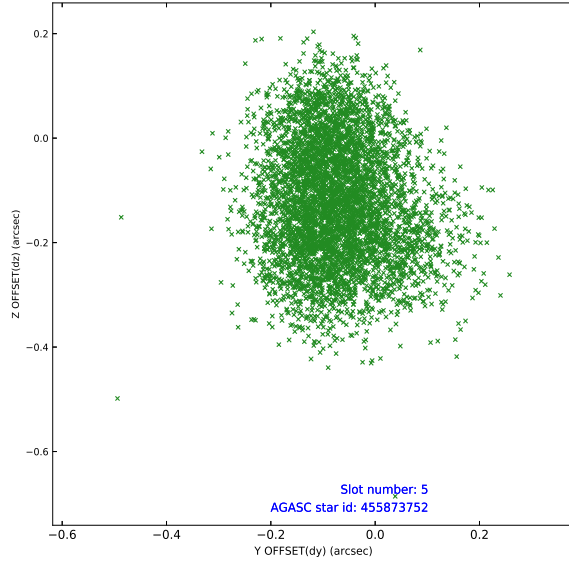
2.4.1 Slot 3



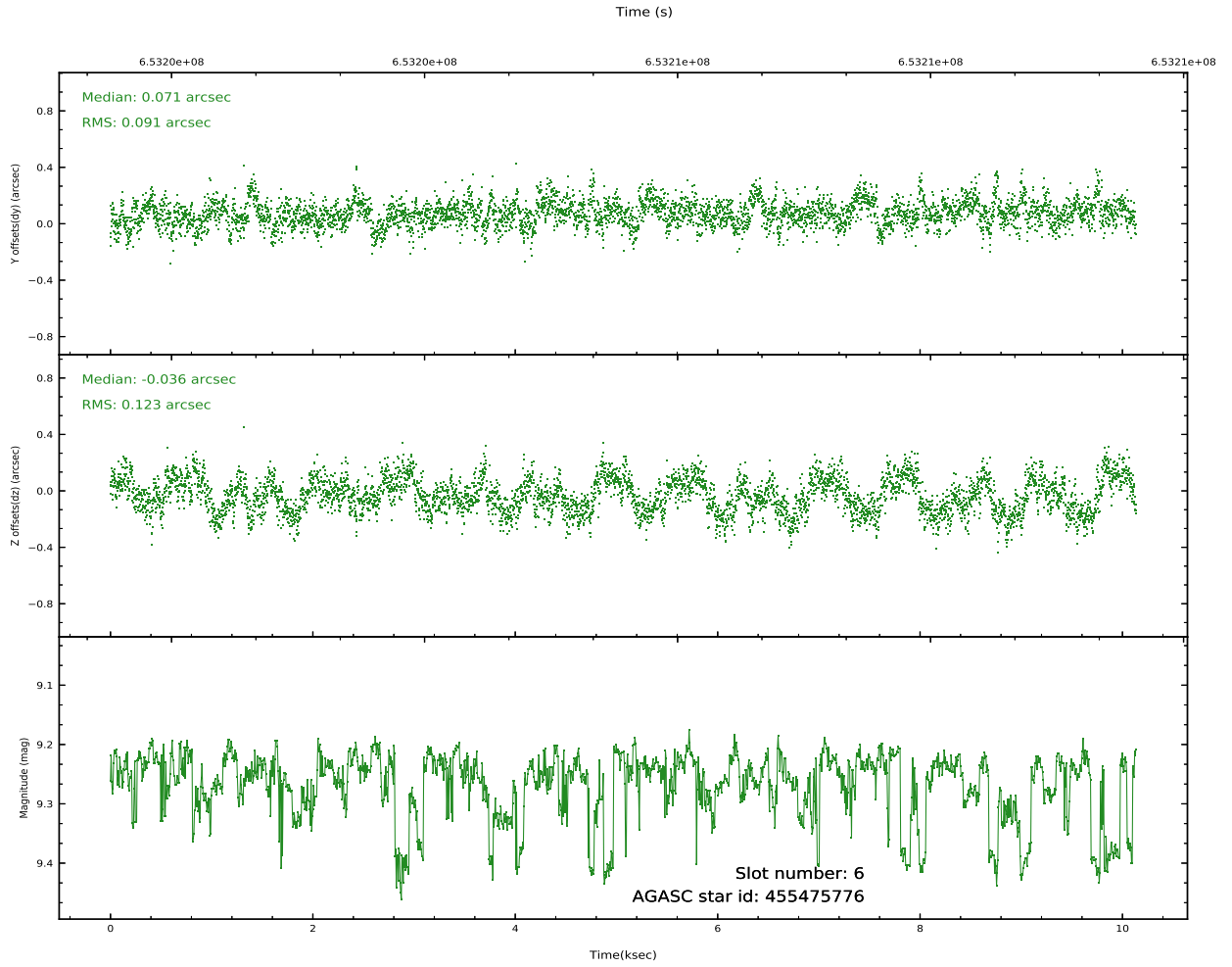
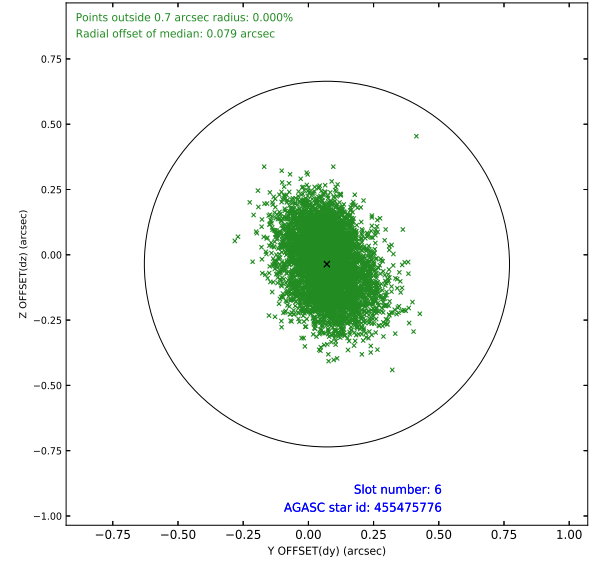
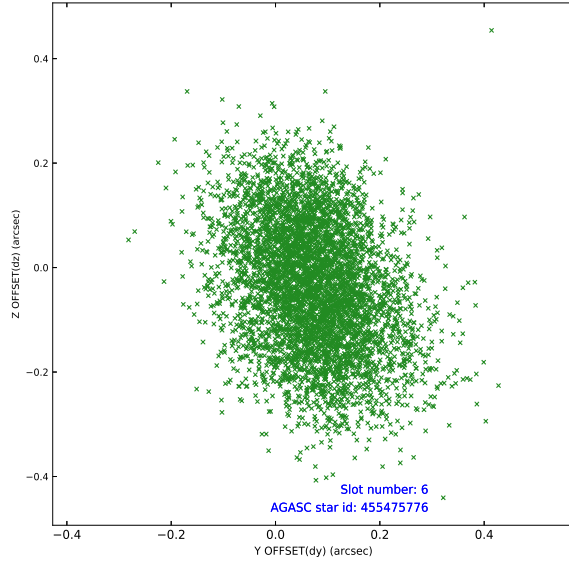
2.4.2 Slot 4



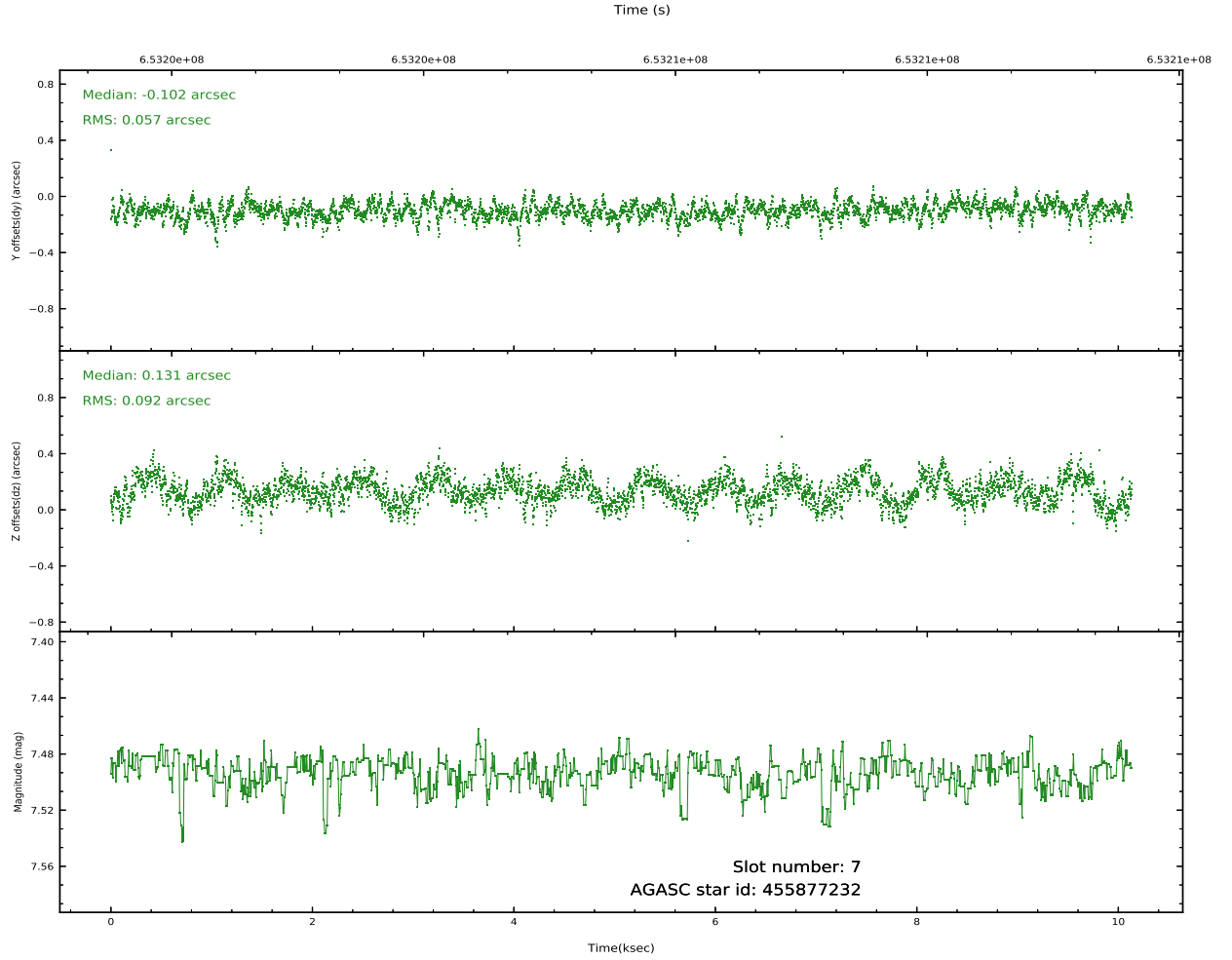
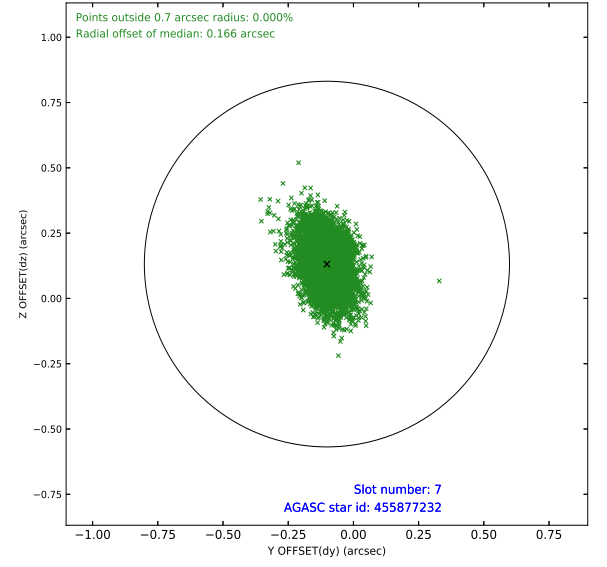
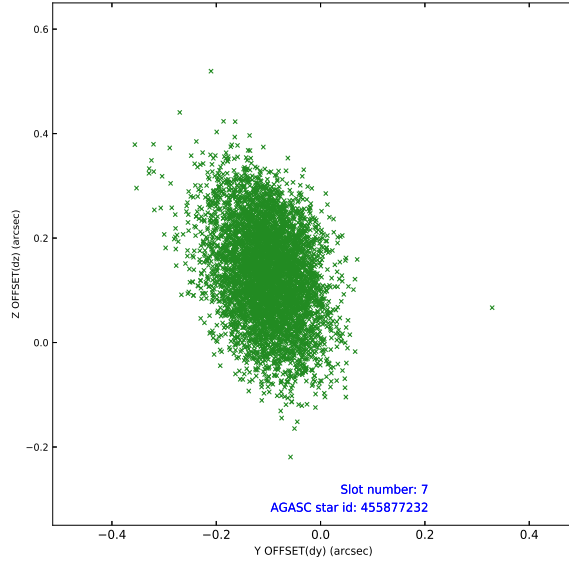
2.4.3 Slot 5



2.4.4 Slot 6

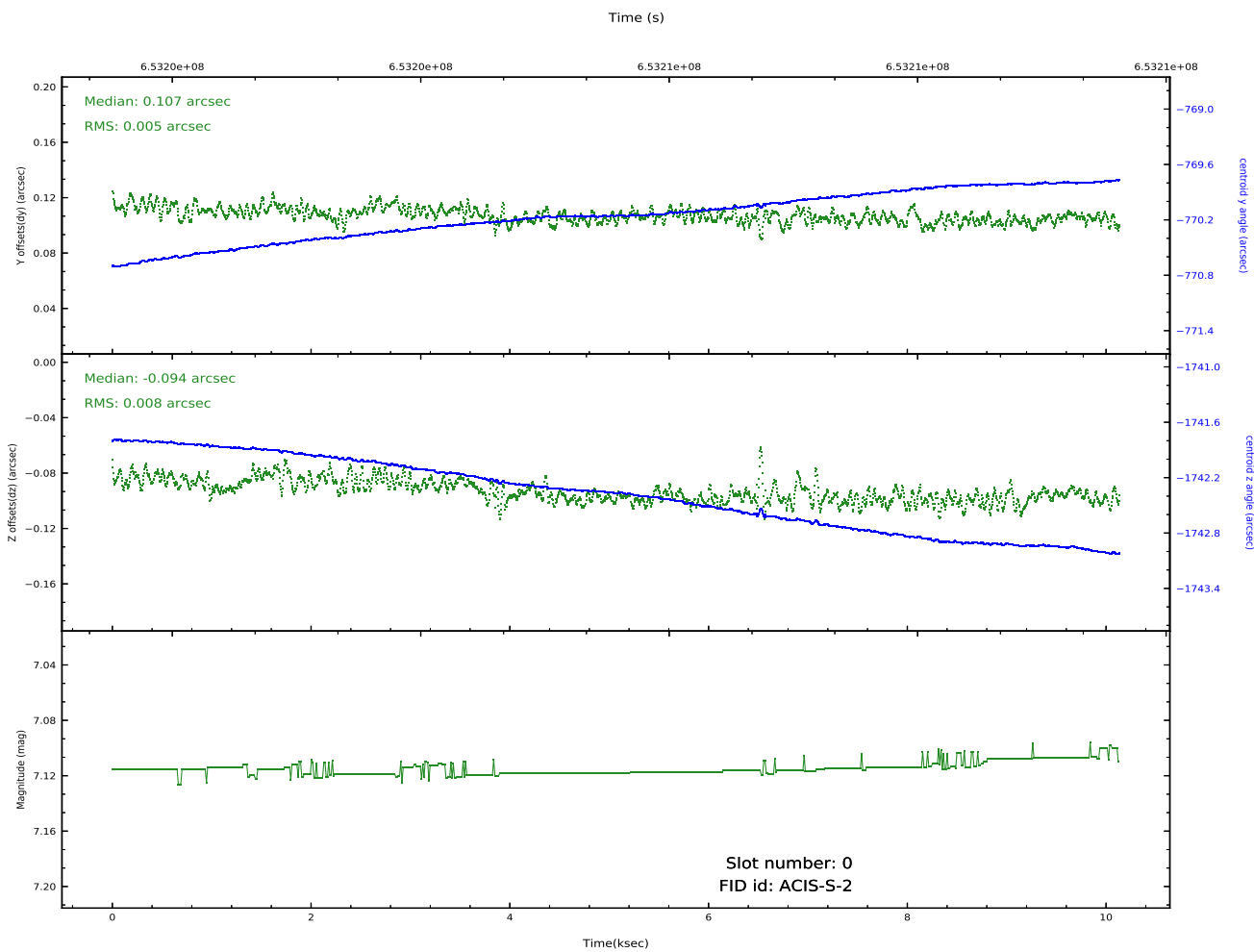
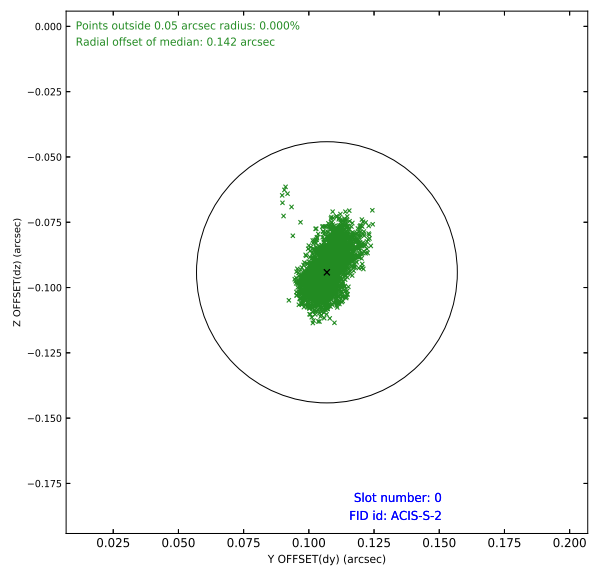
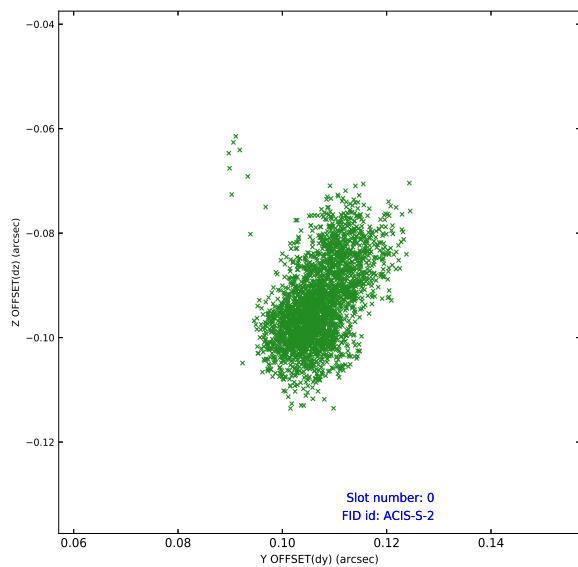


2.4.5 Slot 7

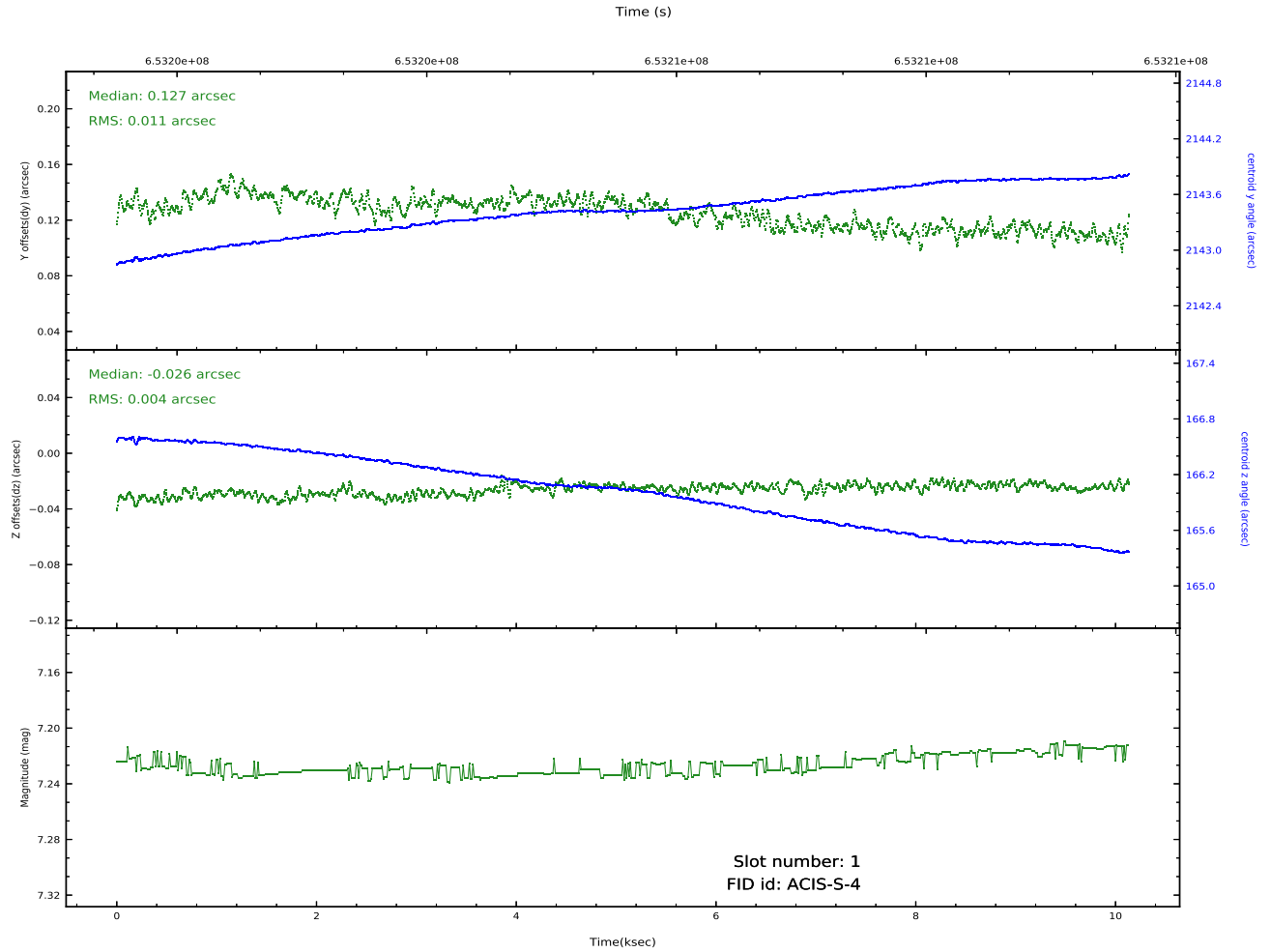
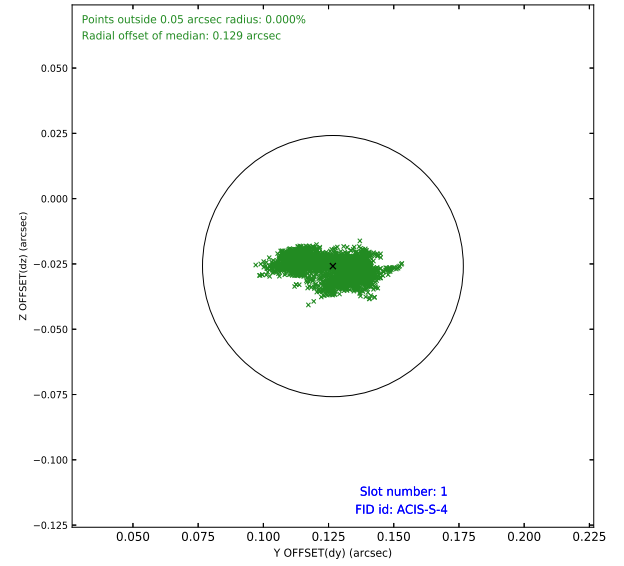
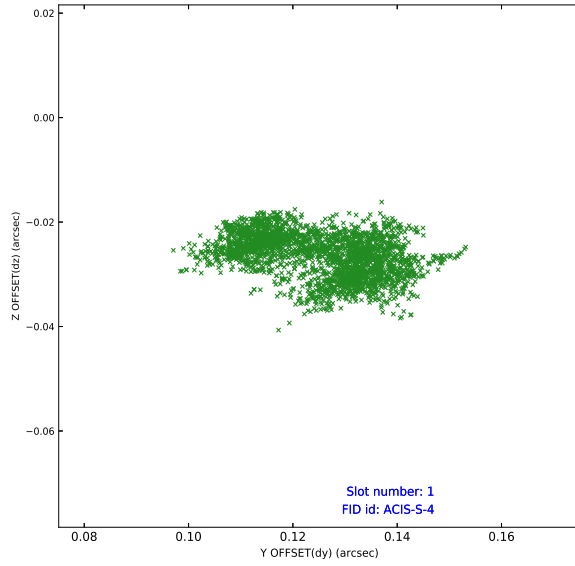


2.5 FID Slots

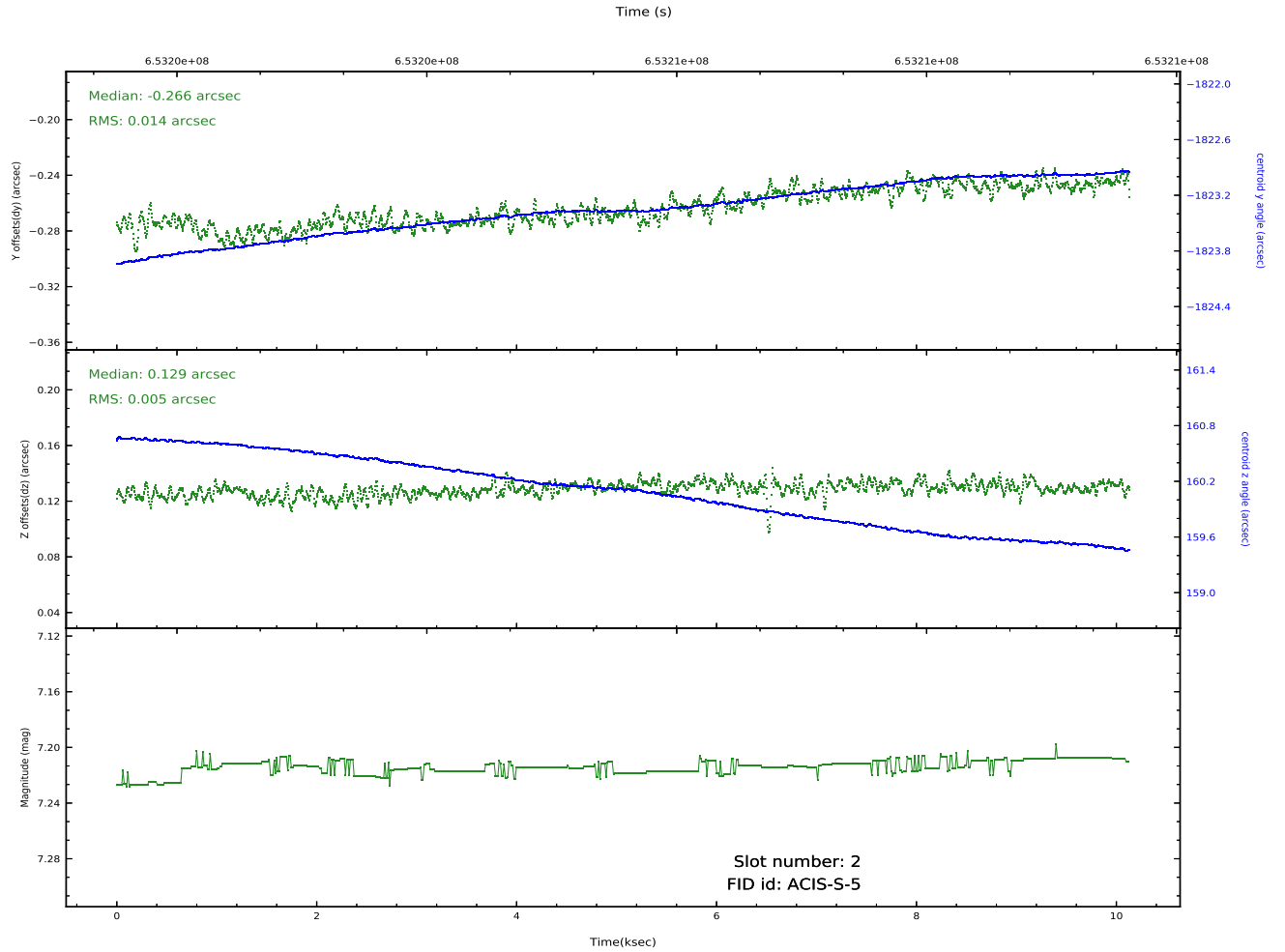
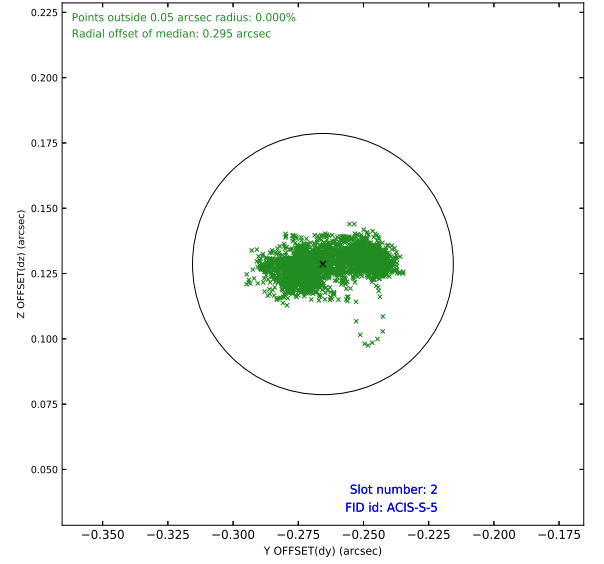
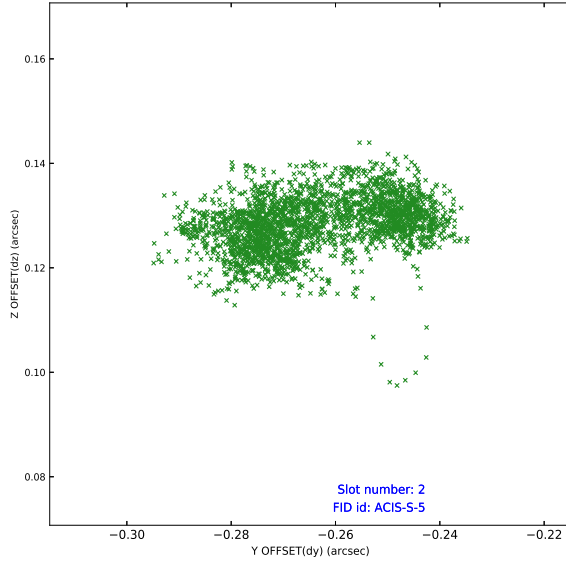
2.5.1 Slot 0



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)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.06168663013

A.2 Comments