

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20432 - L2 Version 2
Chandra X-Ray Center

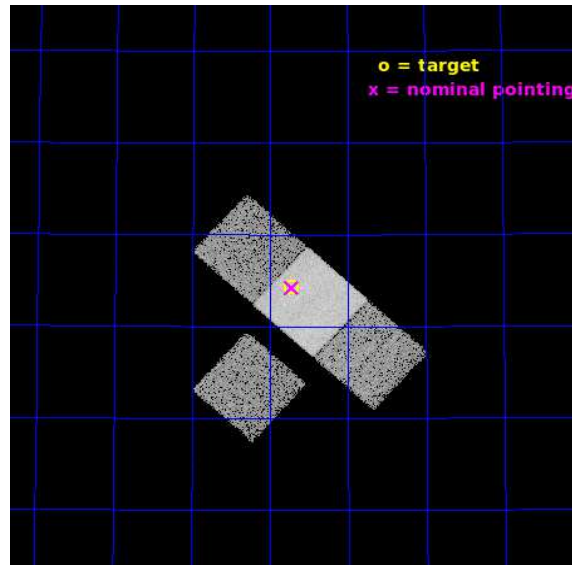
L2 Processing Date : Oct 24 2020

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1 Front

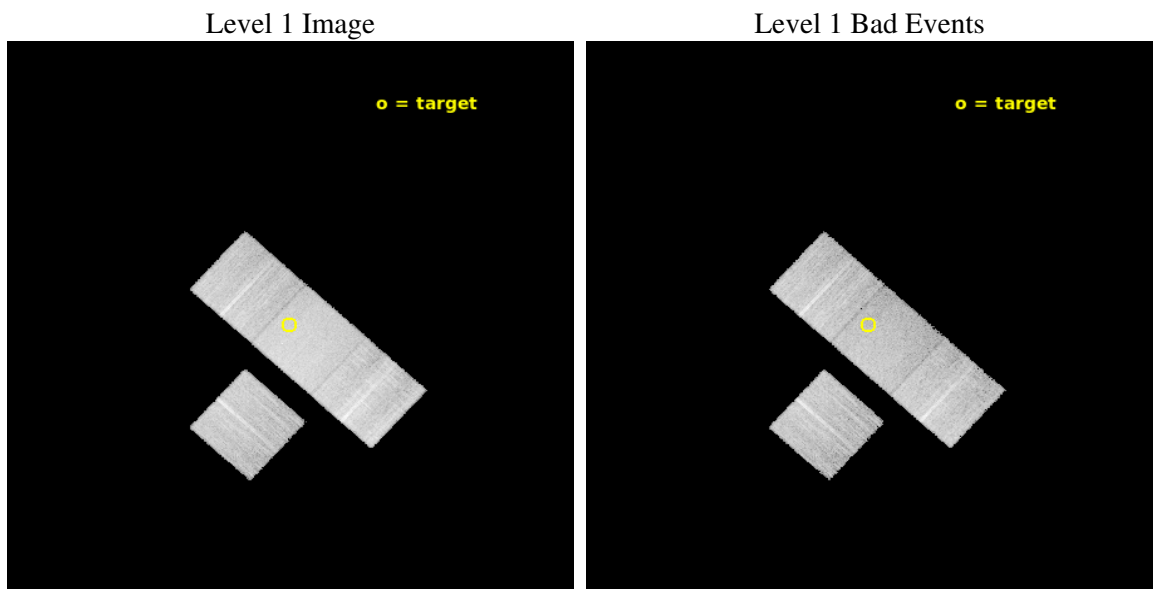
seq_num	703537	Sequence number
obs_id	20432	Observation id
title	X-Ray properties of Post-Merger Spheroidal Galaxies: The Missing Link in Understanding the Merger-AGN connection	Proposal title
observer	Preethi Nair	Principal investigator
object	SDSS J173843.25+571421.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.680417	Observer's specified target RA [deg]
dec_targ	57.239306	Observer's specified target Dec [deg]
ra_nom	264.68028027753	Nominal RA [deg]
dec_nom	57.23732365676	Nominal Dec [deg]
roll_nom	42.348973691637	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13063.400100589	Sum of GTIs [s]
livetime	12892.717161139	Livetime [s]
ontime3	13063.400100589	Sum of GTIs [s]
ontime6	13060.259110093	Sum of GTIs [s]
ontime7	13063.400100589	Sum of GTIs [s]
ontime8	13063.400100589	Sum of GTIs [s]
l2events	79070	Number of level 2 events



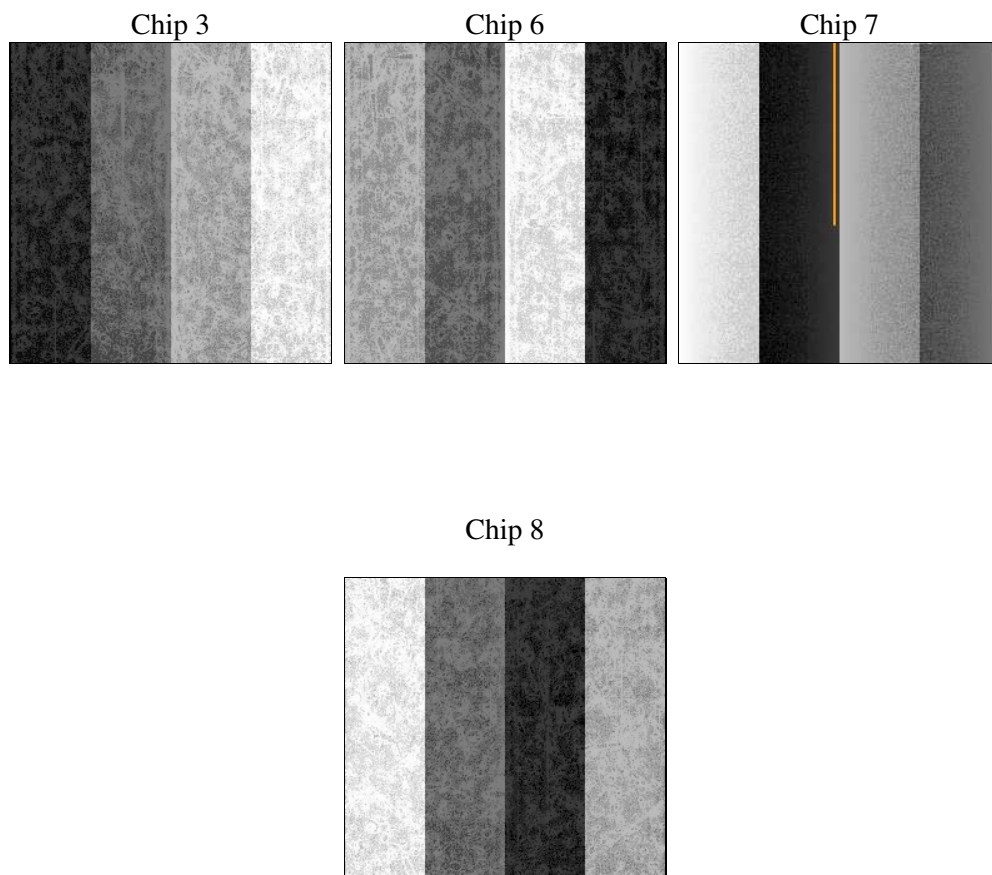
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	13063.400100589	Sum of GTIs [s]
caldsver	4.9.3	 	ontime3	13063.400100589	Sum of GTIs [s]
date	2020-10-24T09:33:11	Date and time of file creation	ontime6	13060.259110093	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	13063.400100589	Sum of GTIs [s]
			ontime8	13063.400100589	Sum of GTIs [s]
			l1events	432295	Number of level 1 events

2.1.4 Events

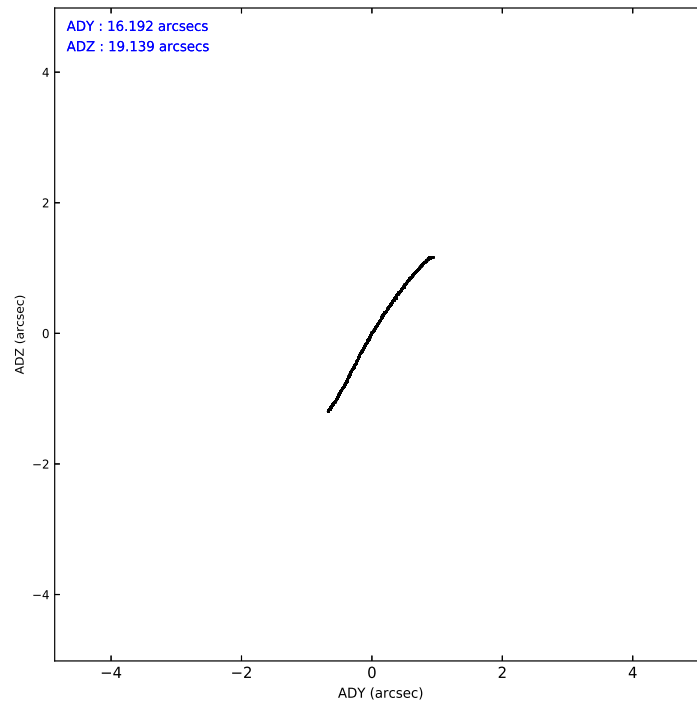
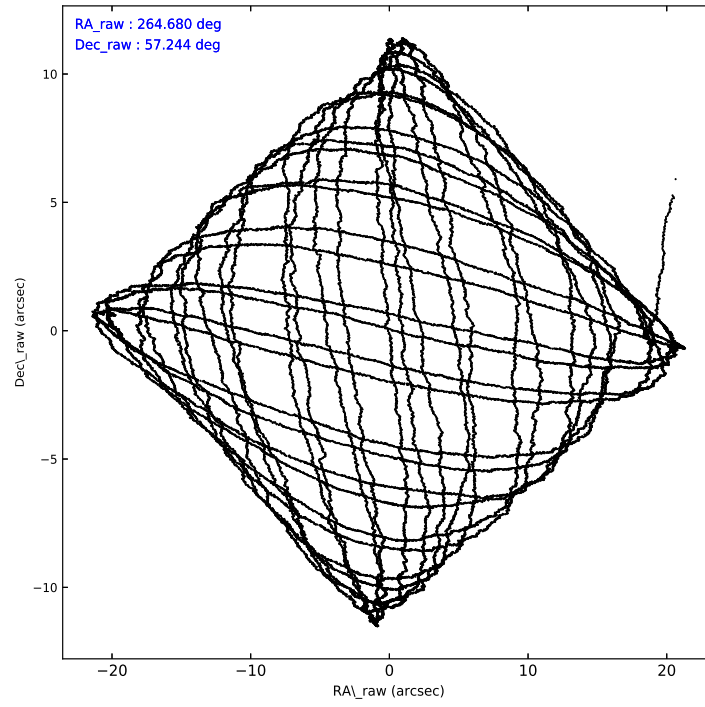
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	90887	98200	121196	122012
rejected events	81301	87512	69278	89967
rejected %	89%	89%	57%	73%

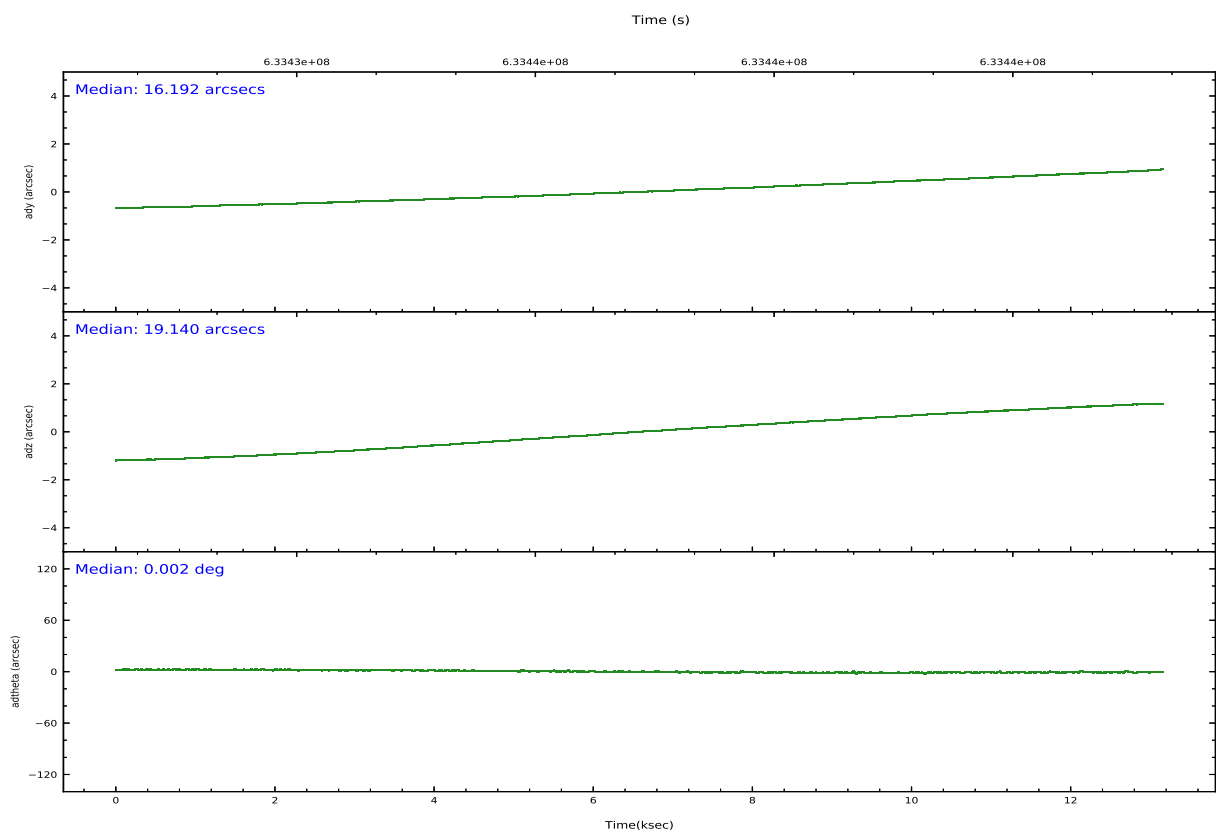
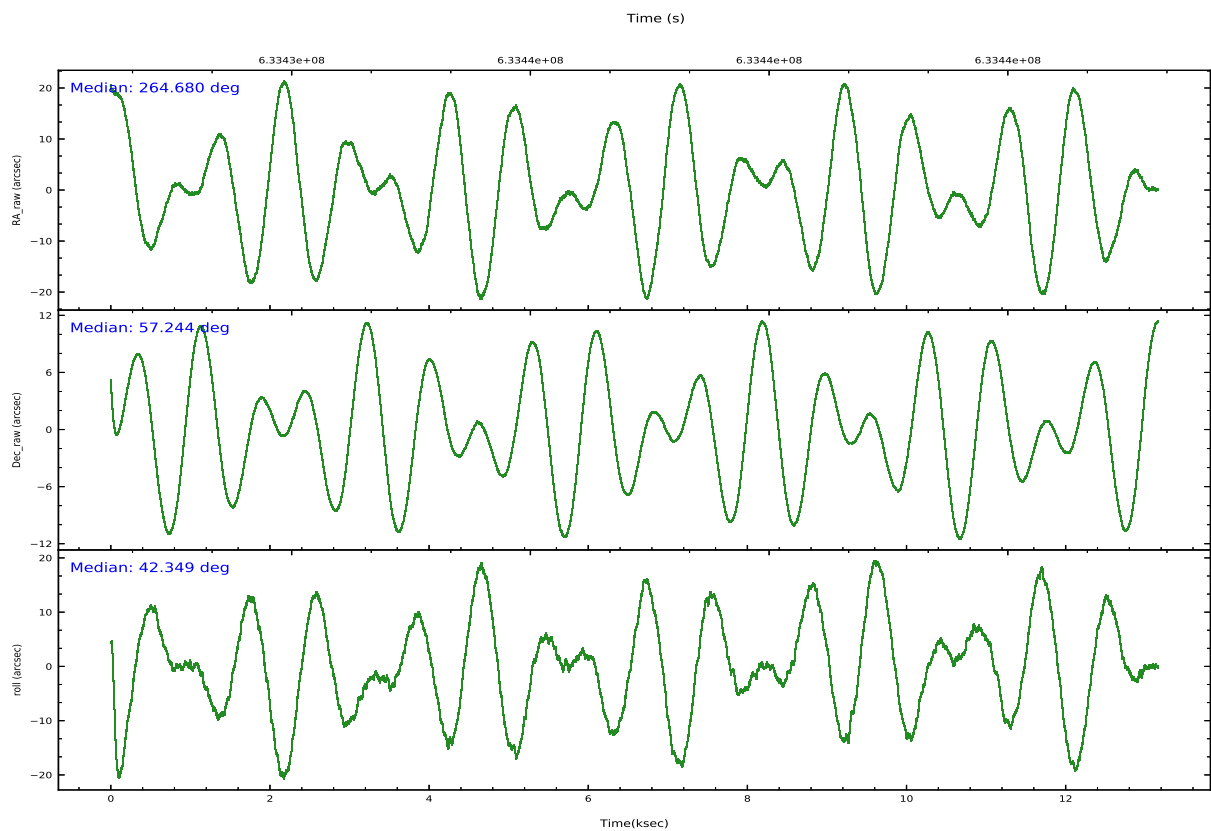
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3385	3201	4258	8897
	3%	3%	3%	7%
grade 1 events	51	37	170	102
	0%	0%	0%	0%
grade 2 events	2053	2752	10880	7957
	2%	2%	8%	6%
grade 3 events	1073	992	4132	3339
	1%	1%	3%	2%
grade 4 events	1036	906	4020	3027
	1%	0%	3%	2%
grade 5 events	4305	4091	11839	6567
	4%	4%	9%	5%
grade 6 events	2046	2840	28657	8829
	2%	2%	23%	7%
grade 7 events	76938	83381	57240	83294
	84%	84%	47%	68%

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	264.665083	264.68028027753	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.218258	57.23732365676	Alternating exposures requested	N	N
[deg] Pointing Roll	42.212452	42.348973691637	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	633430890.184000	633429969.18608			
Observation start date	2018-01-27T09:00:21	2018-01-27T08:46:09			
[s] Observation end time (MET)	633443890.184000	633444752.76195			
Observation end date	2018-01-27T12:37:01	2018-01-27T12:52:32			
Read mode	TIMED	TIMED			

2.3 Aspect



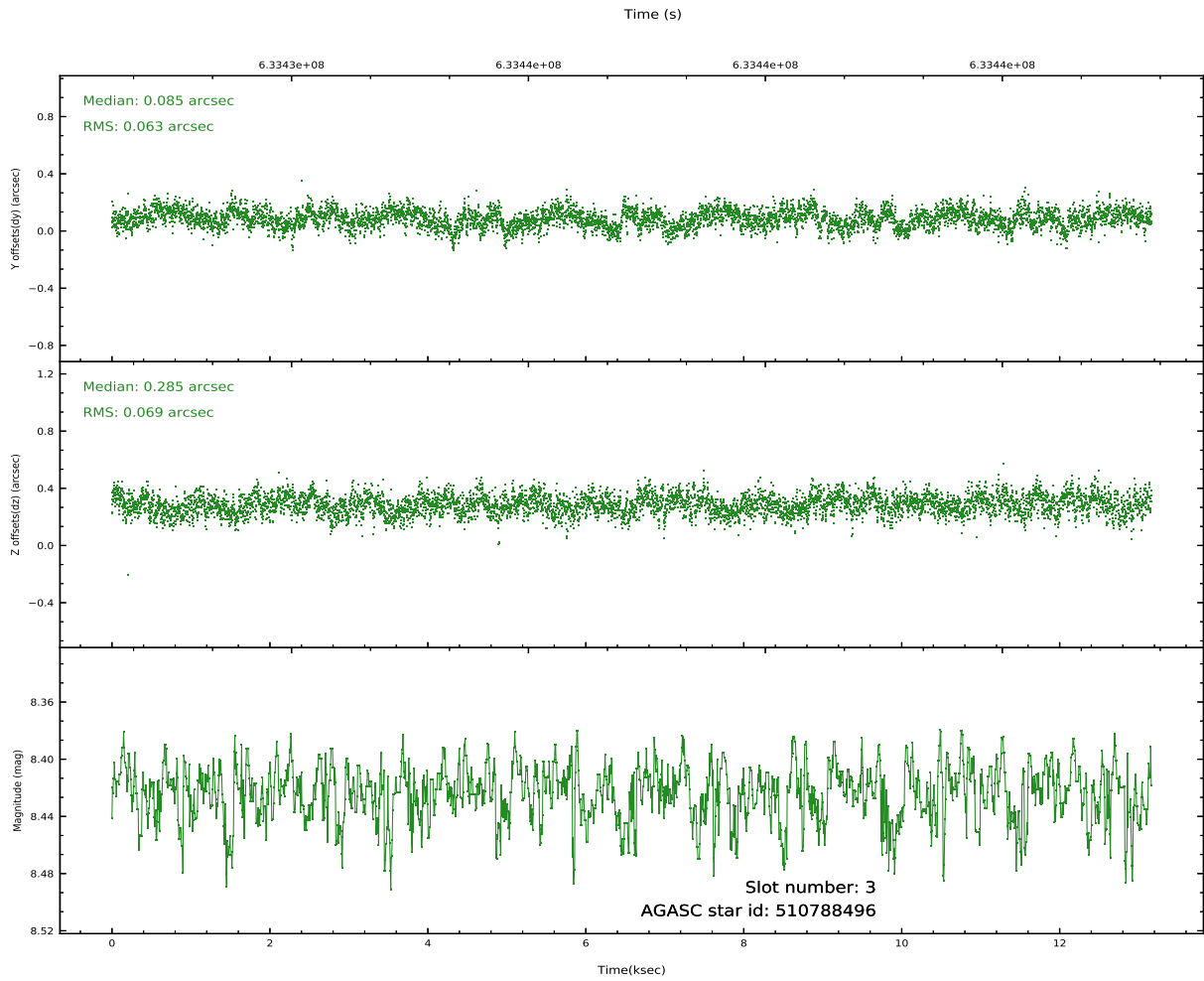
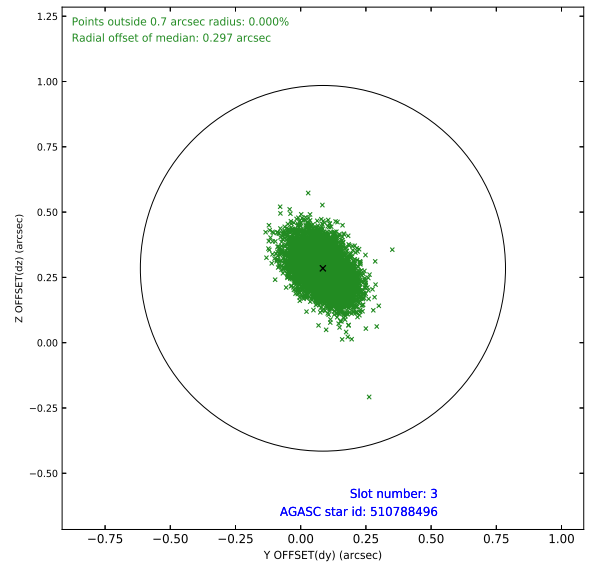
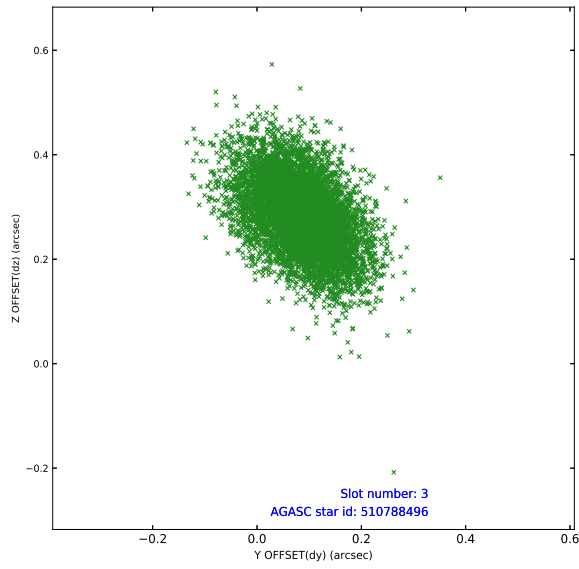


Slot Statistics

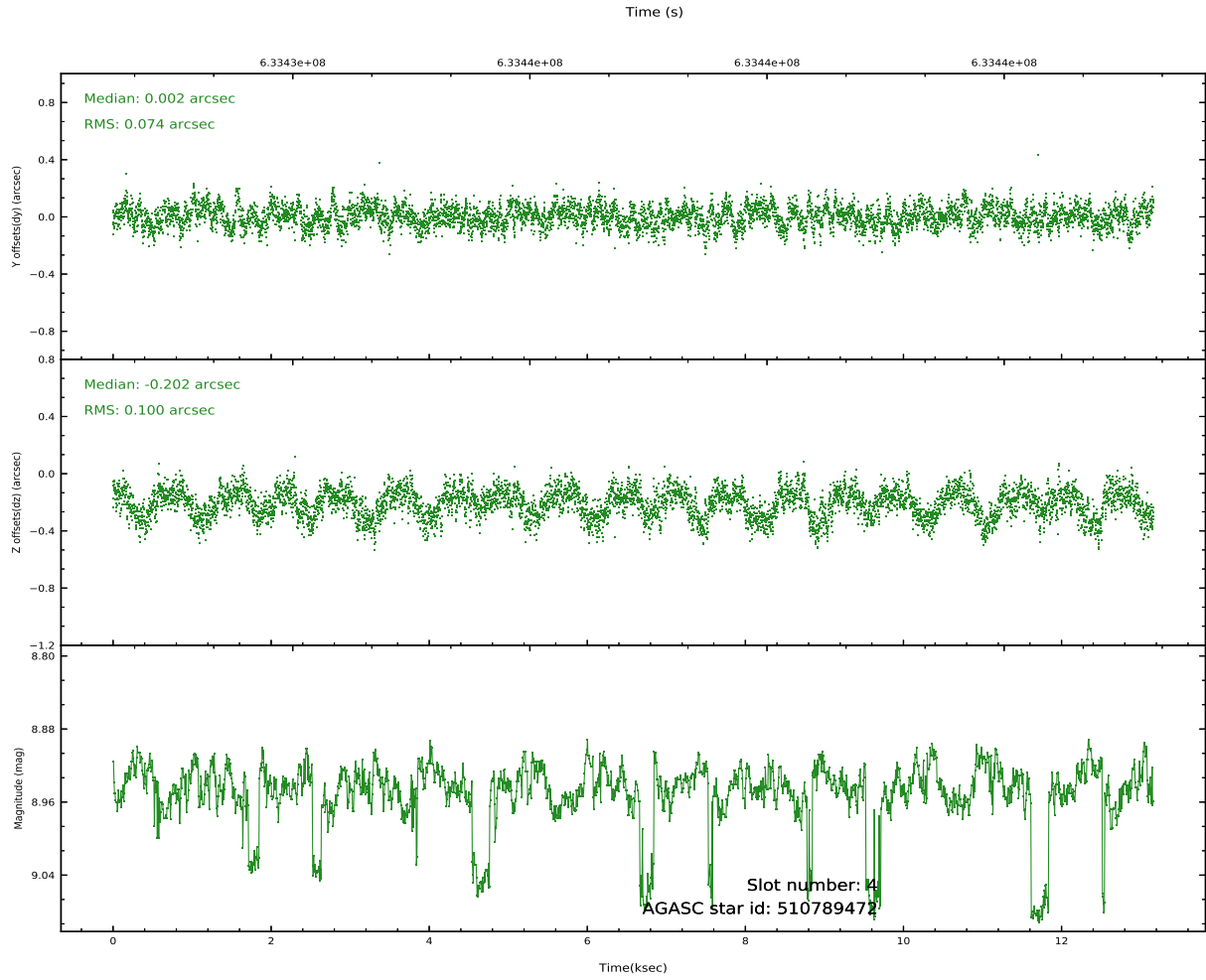
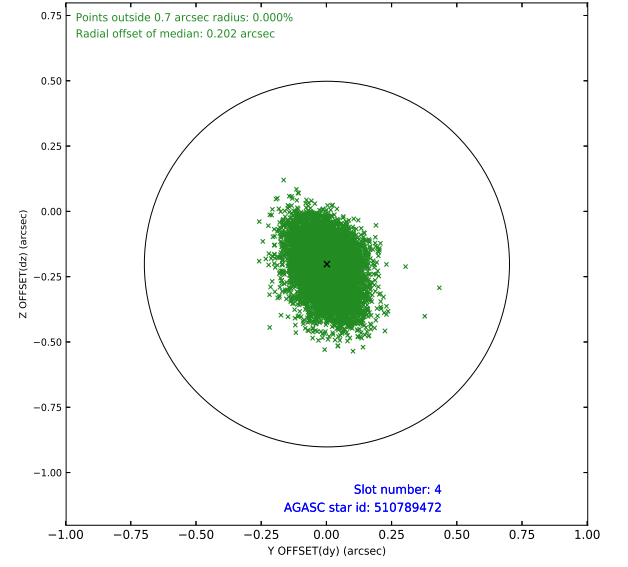
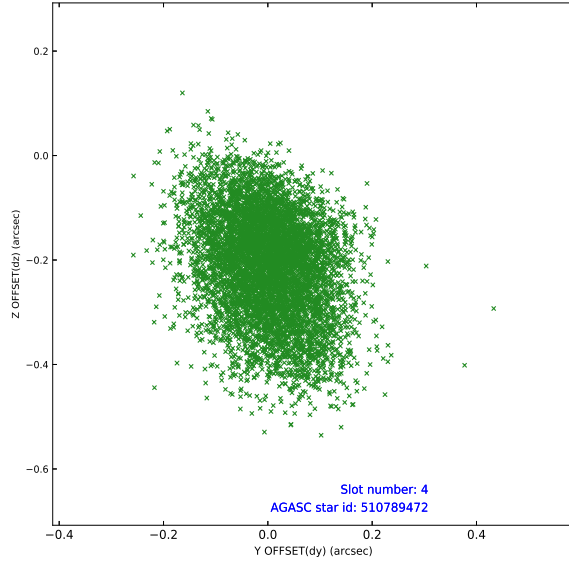
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	3210	1.000	0.087	-0.110	0.018	0.037	0.000000	0.000000	-769.34	-1740
1	FID		ACIS-S-4	7.21	3211	1.000	0.161	-0.011	0.012	0.033	0.000000	0.000000	2144.04	167
2	FID		ACIS-S-5	7.20	3211	1.000	-0.278	0.128	0.014	0.021	0.000000	0.000000	-1821.88	162
3	GUIDE	used	510788496	8.42	6420	1.000	0.085	0.285	0.099	0.165	264.058795	56.694761	-2150.01	-586
4	GUIDE	used	510789472	8.95	6417	1.000	0.002	-0.202	0.132	0.217	263.687299	57.032321	-1859.56	801
5	GUIDE	used	510789728	8.72	6341	1.000	0.140	-0.042	0.118	0.205	266.106372	57.108341	1840.46	-2164
6	GUIDE	used	510792624	6.73	6422	1.000	-0.066	0.102	0.100	0.168	265.150673	57.310315	924.87	-386
7	GUIDE	used	510797056	7.47	6417	1.000	-0.154	-0.133	0.102	0.170	265.128475	57.857593	2206.16	1110

2.4 Star Slots

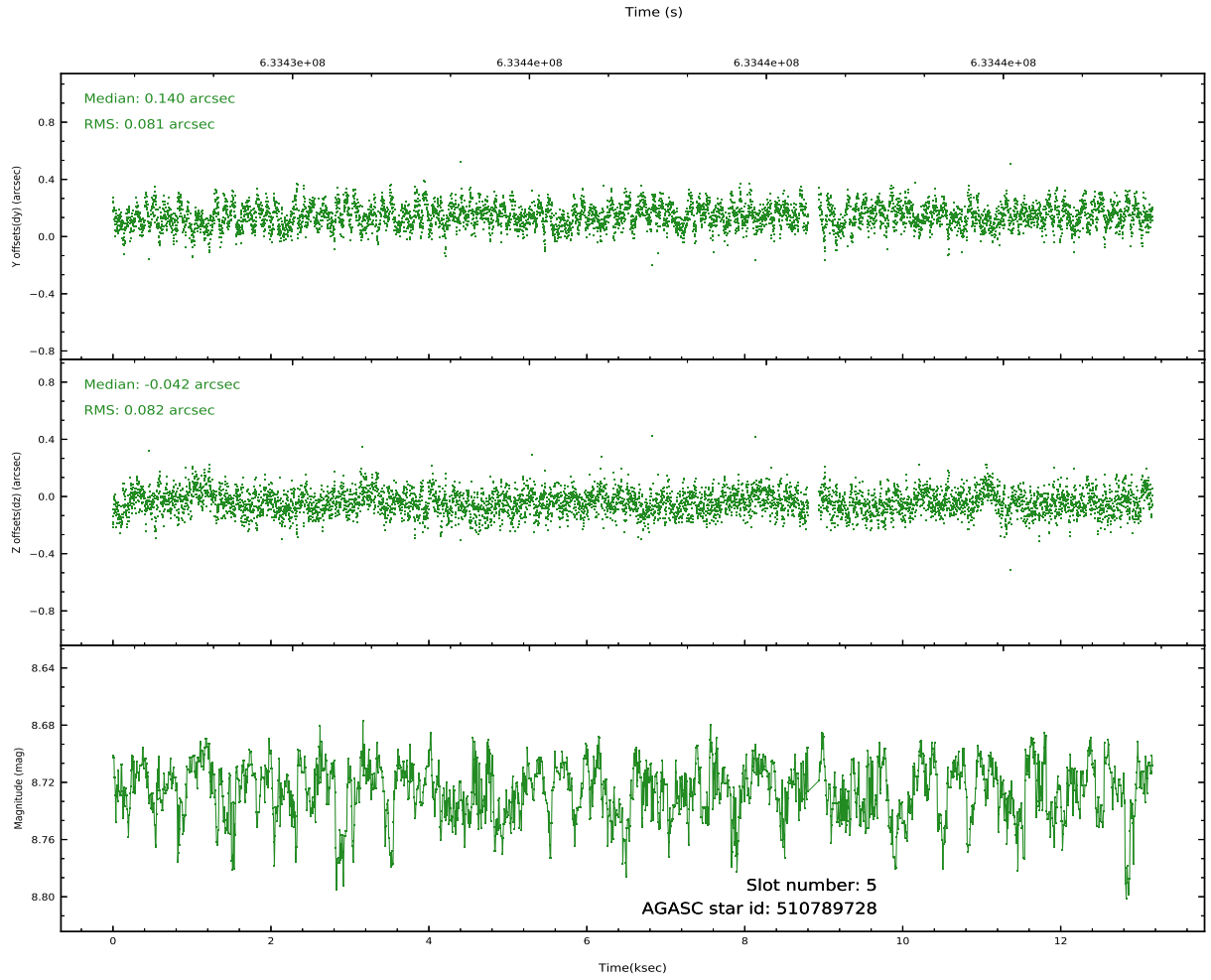
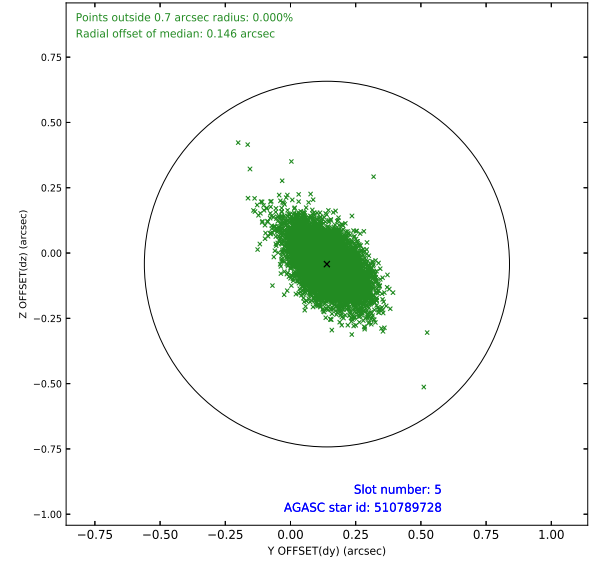
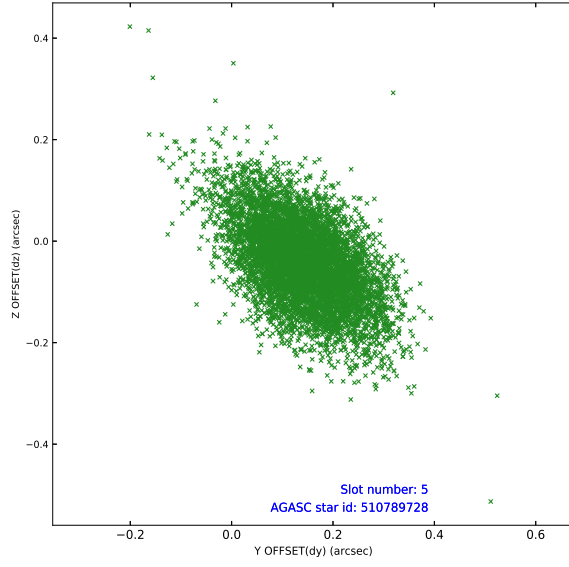
2.4.1 Slot 3



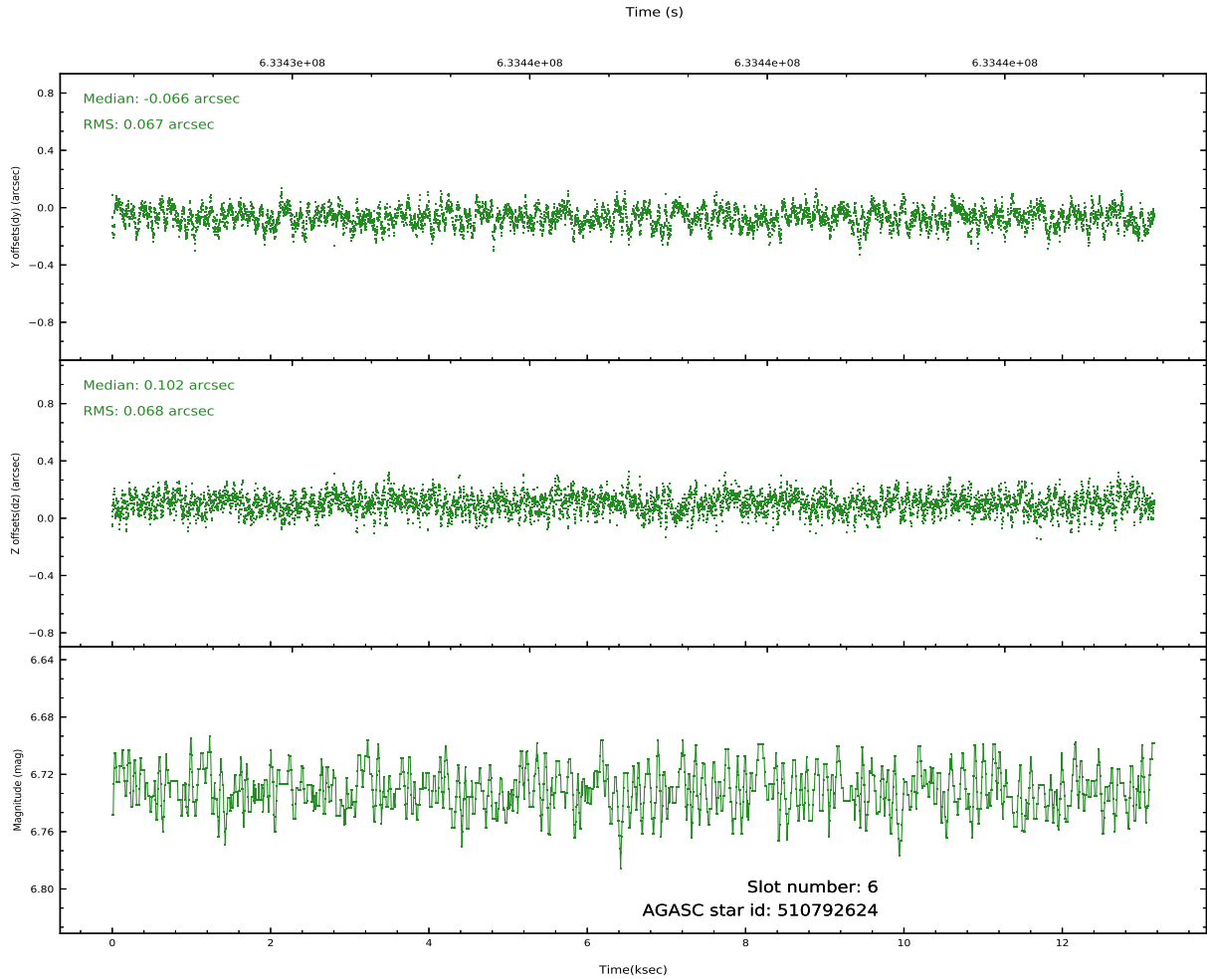
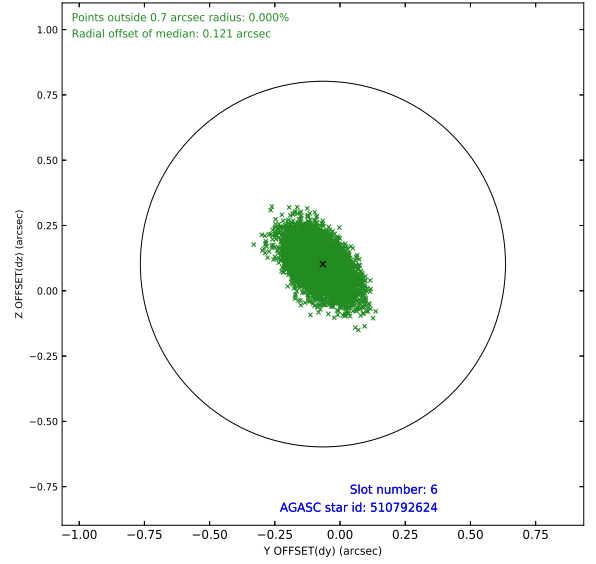
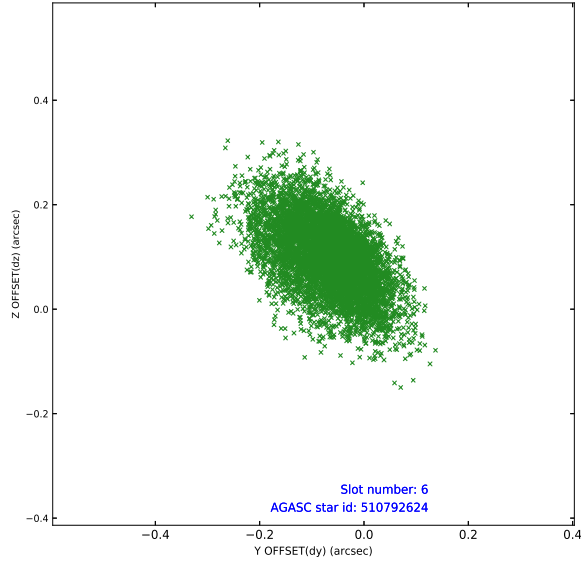
2.4.2 Slot 4



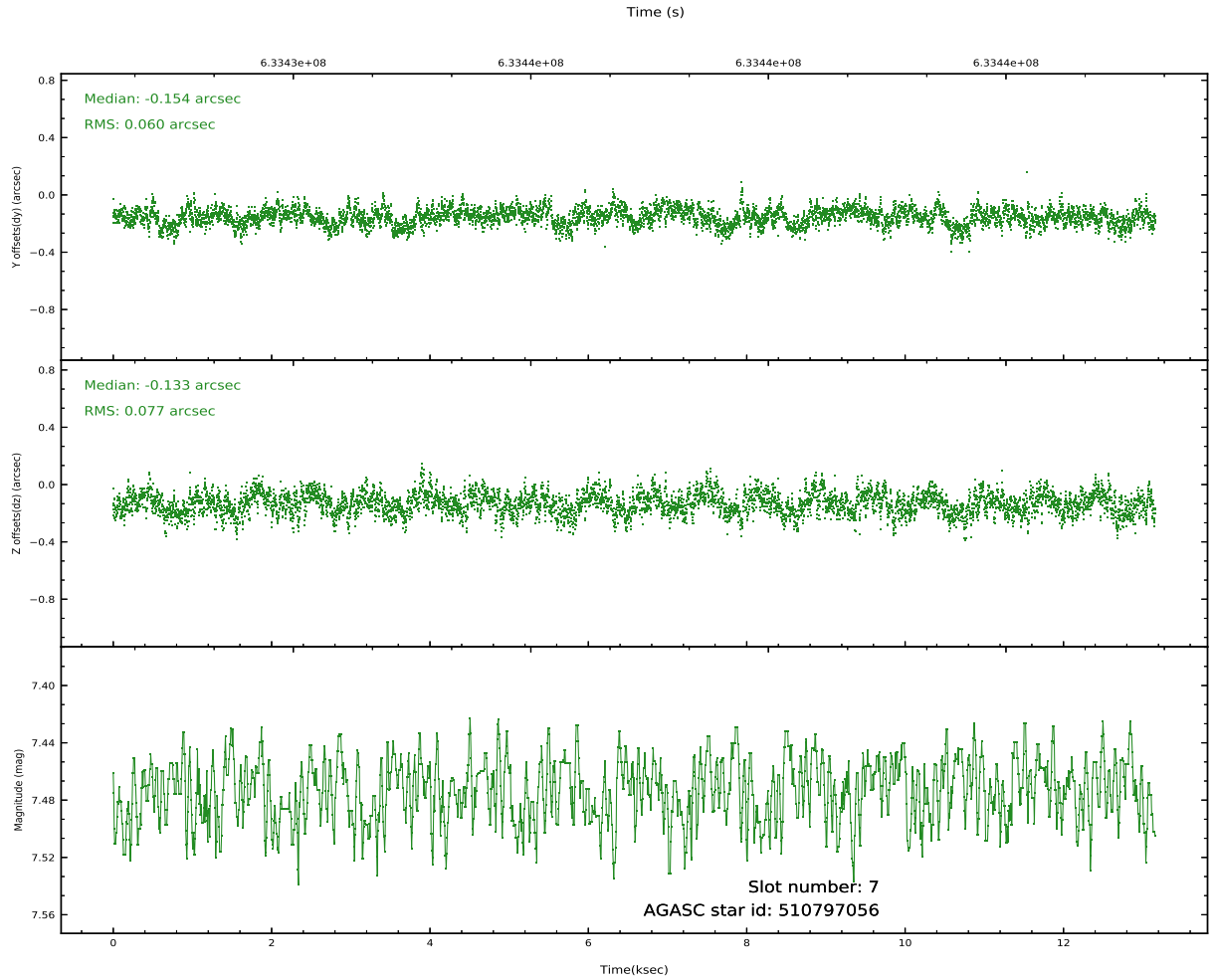
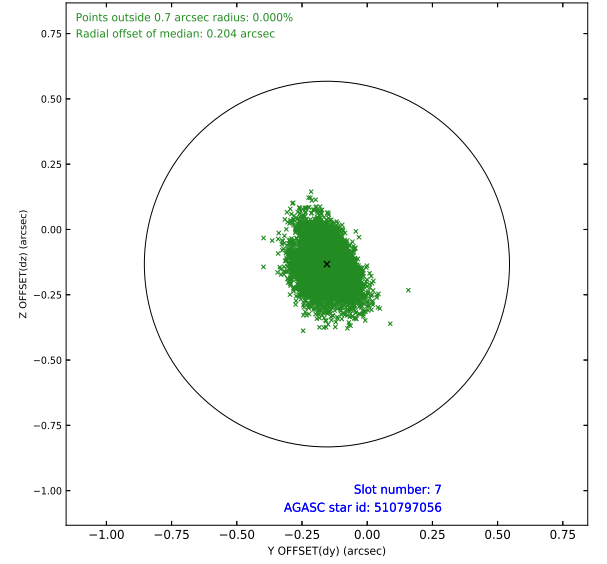
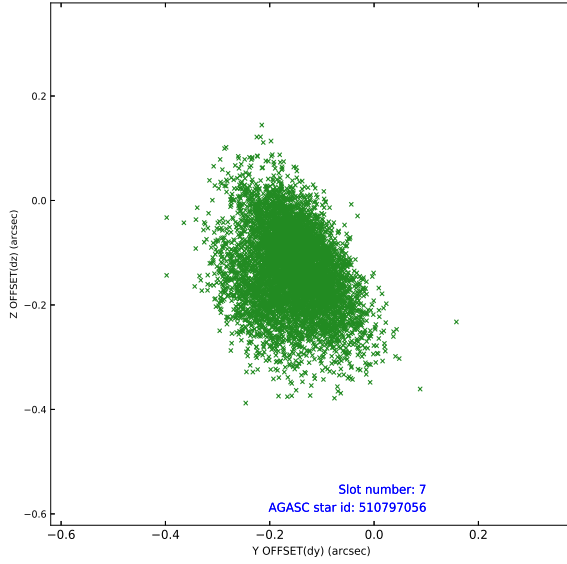
2.4.3 Slot 5



2.4.4 Slot 6

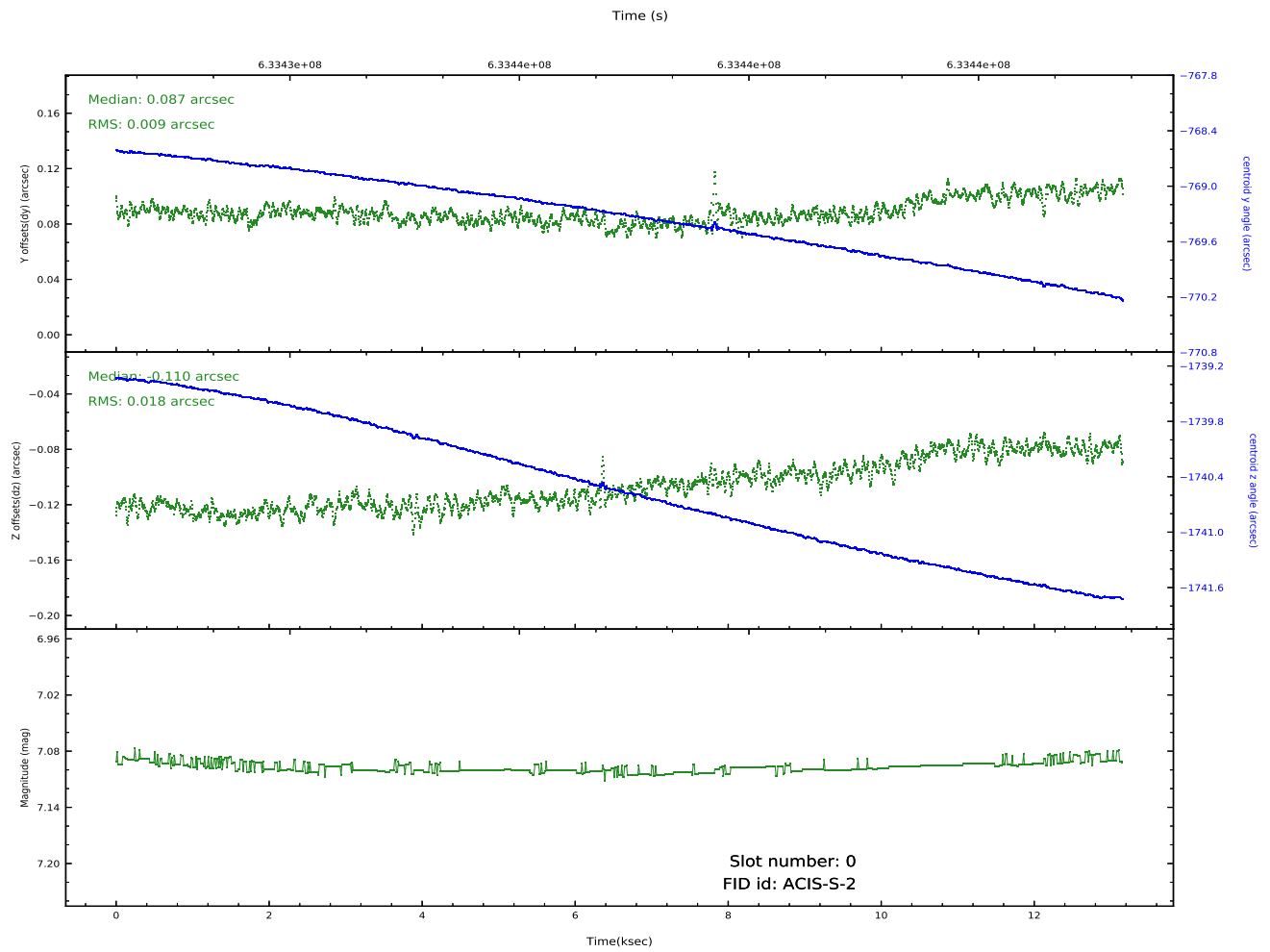
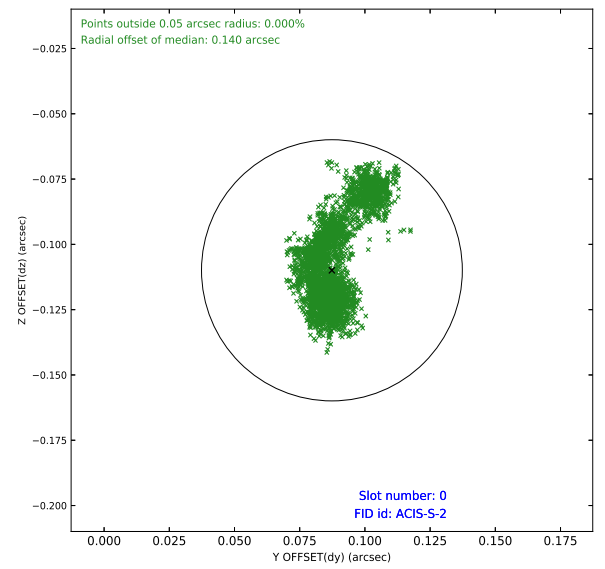
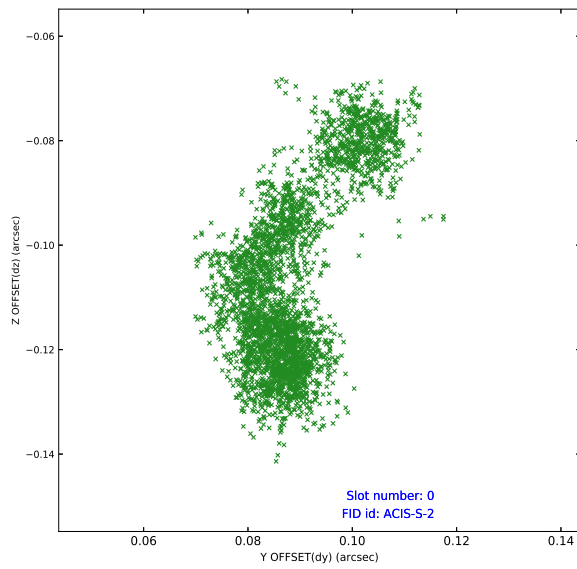


2.4.5 Slot 7

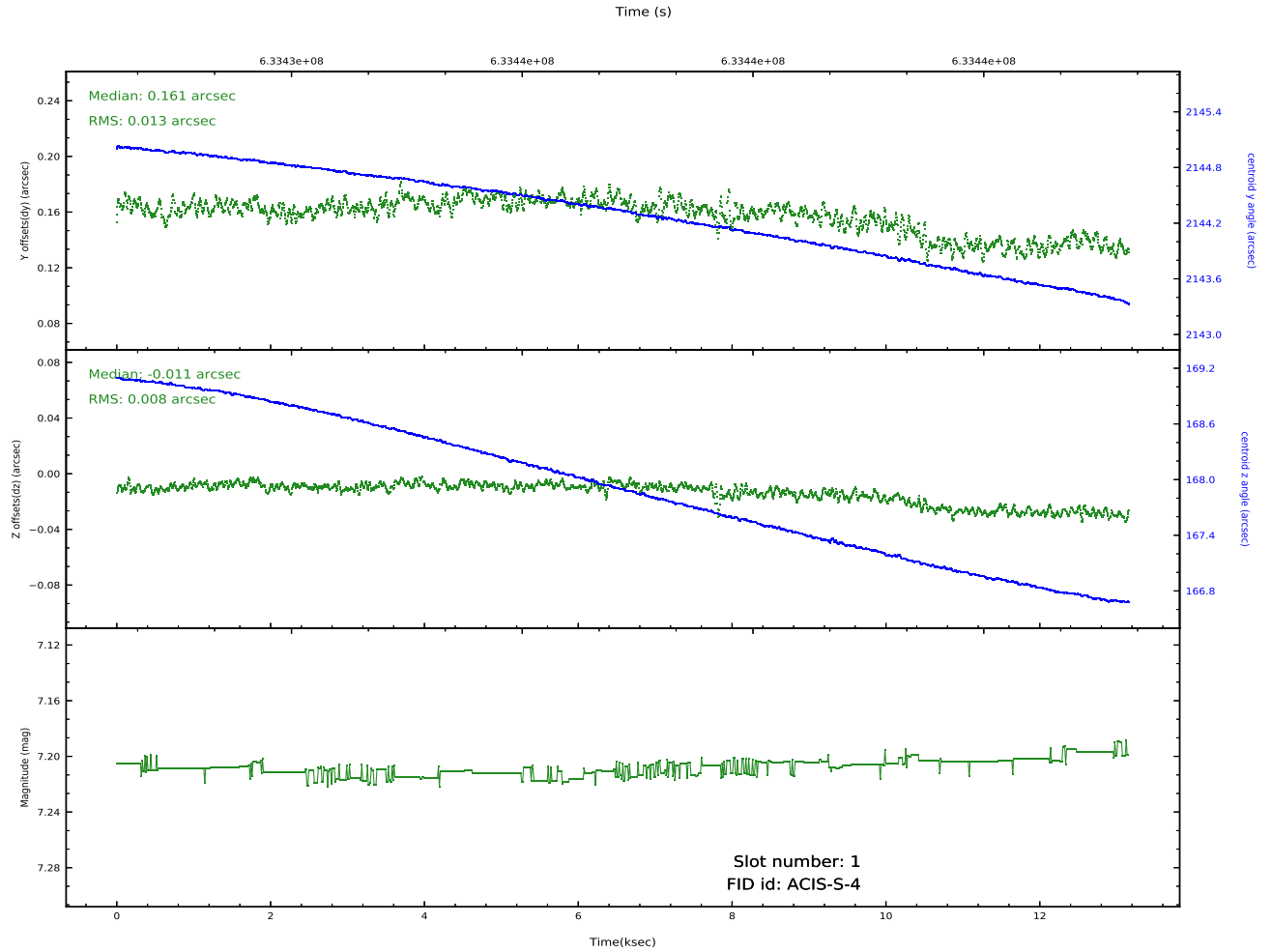
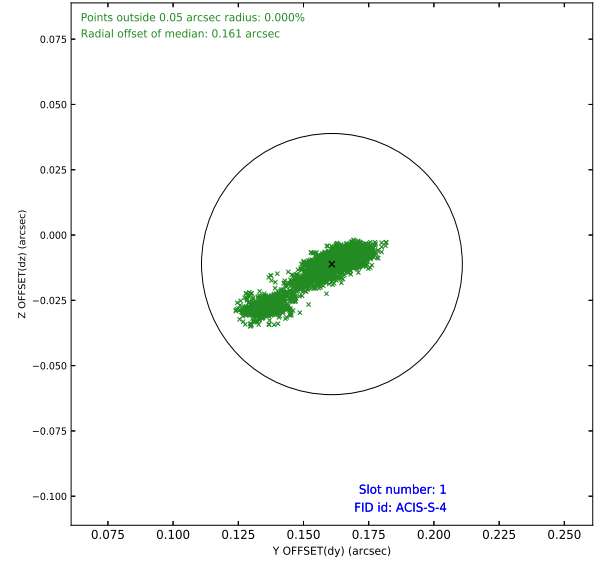
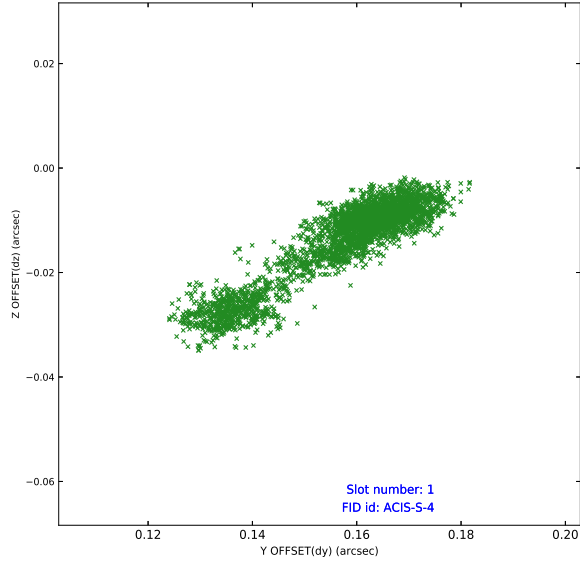


2.5 FID Slots

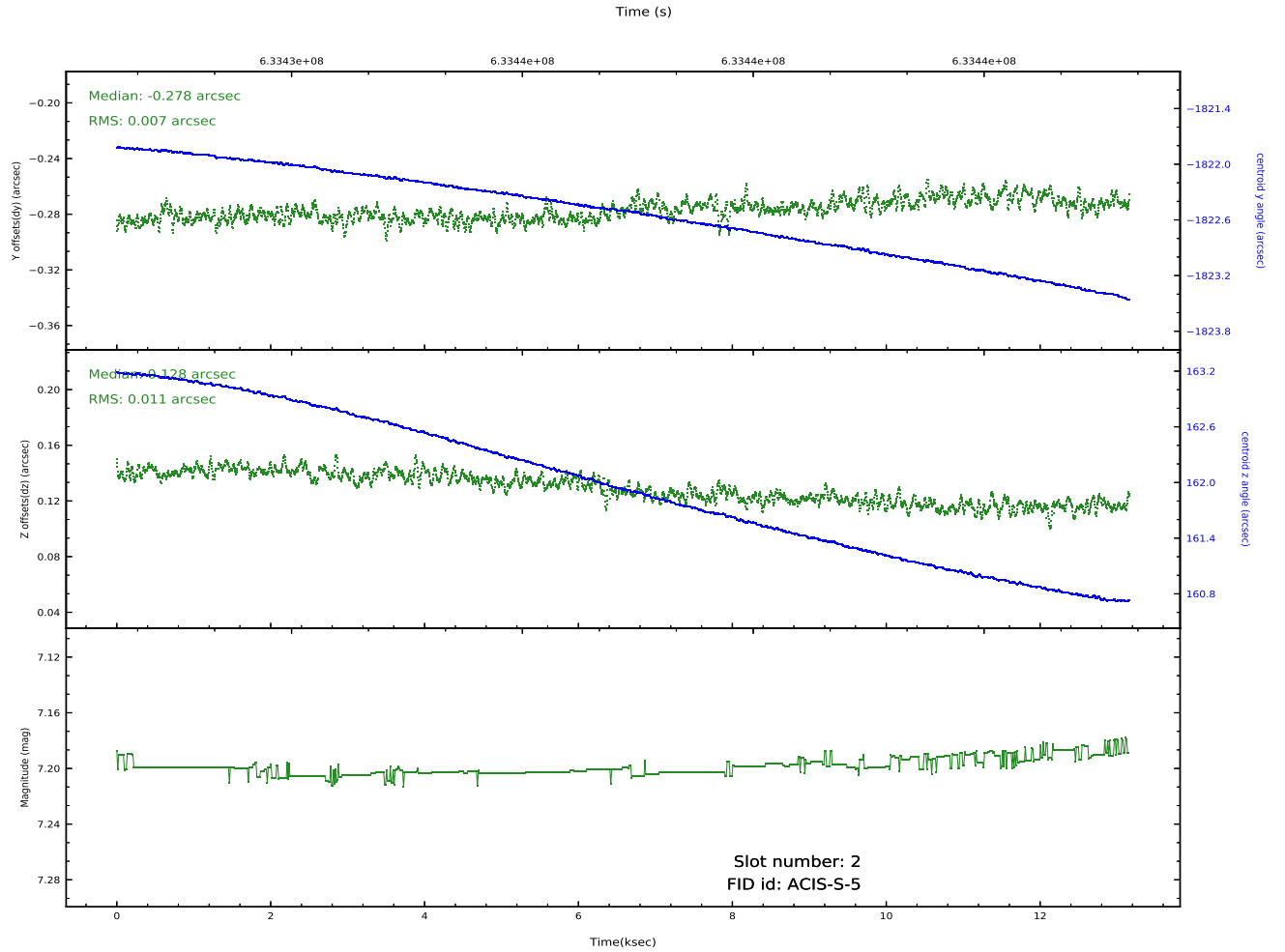
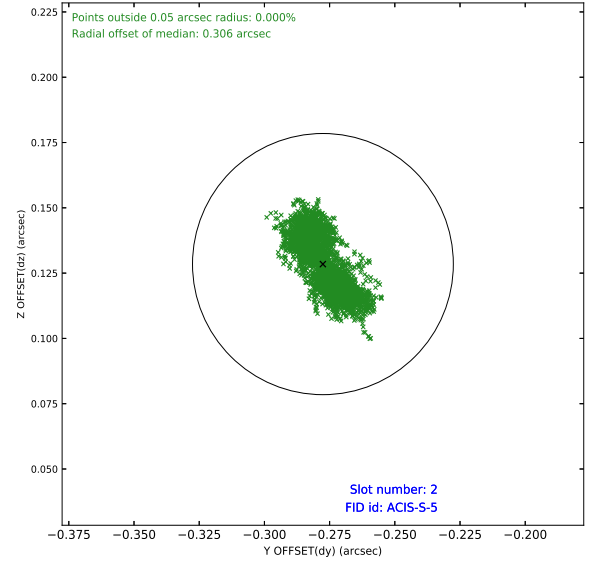
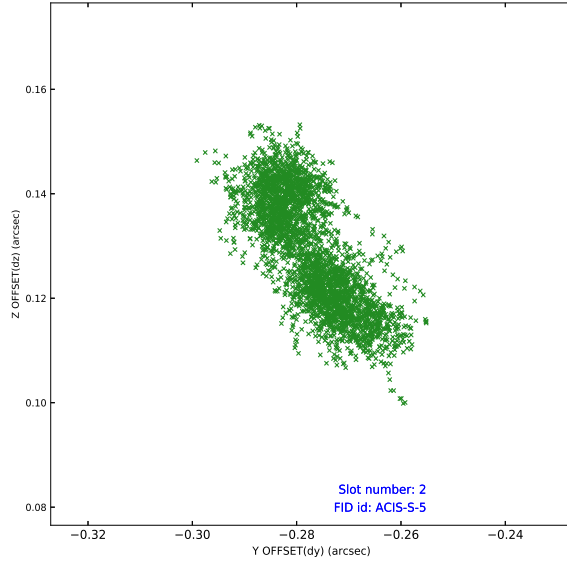
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.063400100589

A.2 Comments