

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5288 - L2 Version 4
Chandra X-Ray Center

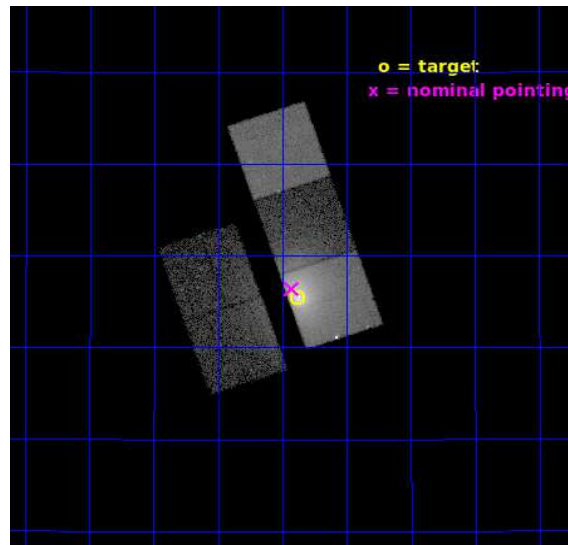
L2 Processing Date : Sep 23 2020

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1 Front

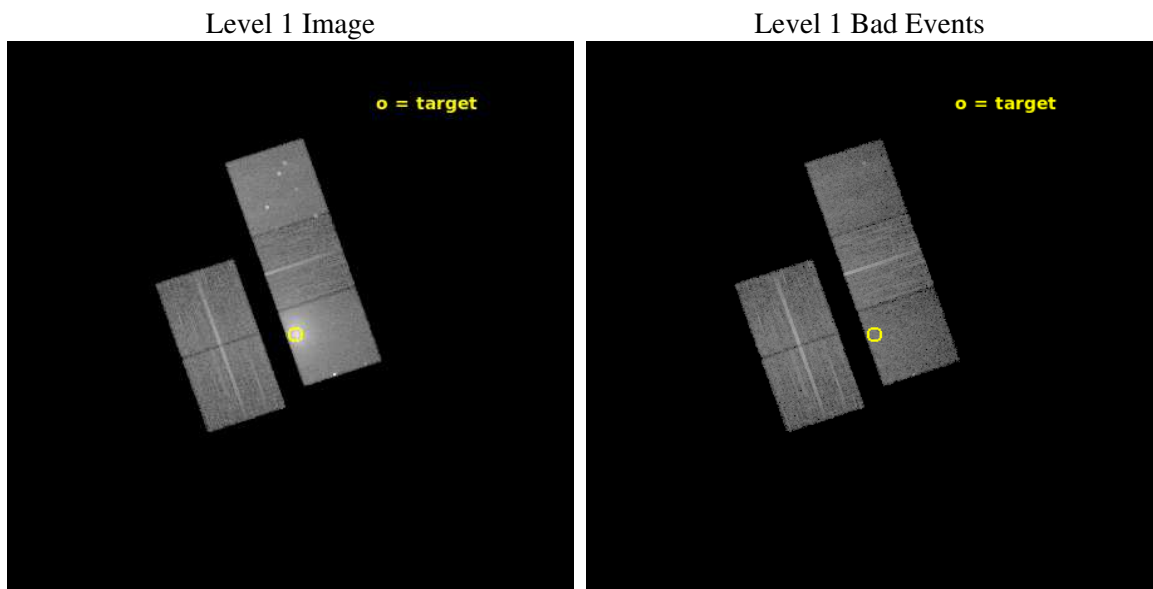
seq_num	890028	Sequence number
obs_id	5288	Observation id
title	Mapping the Depth of the Contaminant on the ACIS Filters with Abell 11795	Proposal title
observer	CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.23150542082	Nominal RA [deg]
dec_nom	26.606963262683	Nominal Dec [deg]
roll_nom	71.177831938738	Nominal Roll [deg]
revision	4	Processing version of data
ontime	14762.199971586	Sum of GTIs [s]
livetime	14569.320961184	Livetime [s]
ontime2	14759.058981448	Sum of GTIs [s]
ontime3	14762.199971586	Sum of GTIs [s]
ontime5	14762.199971586	Sum of GTIs [s]
ontime6	14762.199971586	Sum of GTIs [s]
ontime7	14762.199971586	Sum of GTIs [s]
l2events	273257	Number of level 2 events



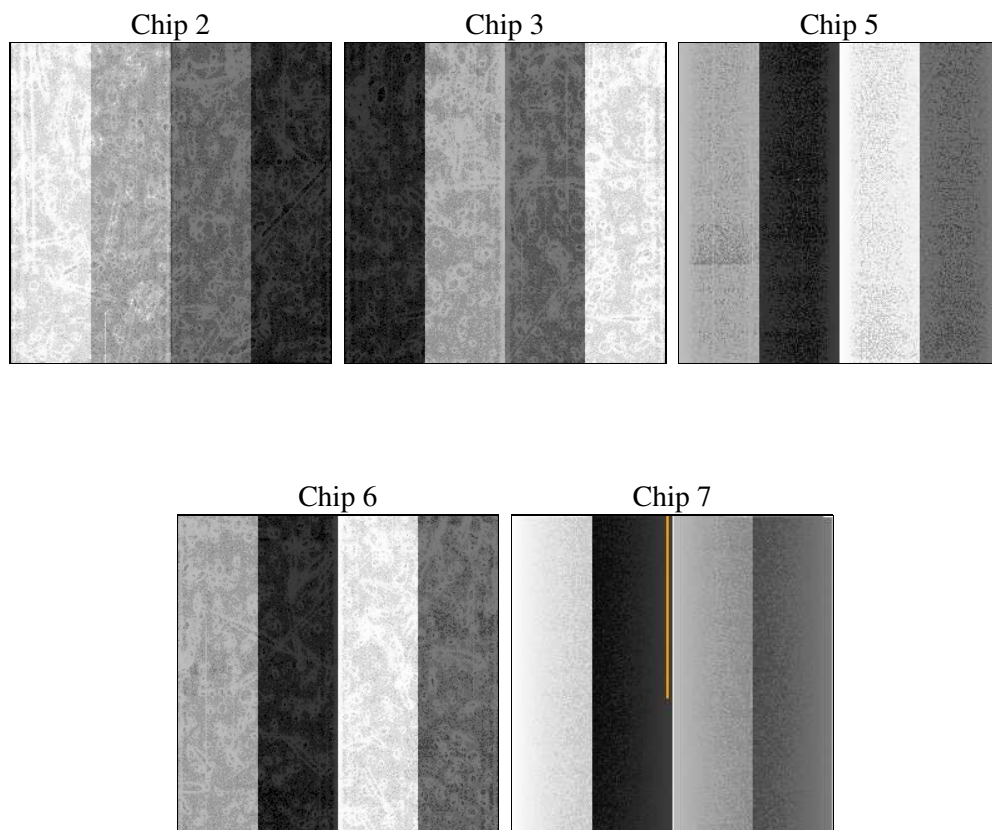
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	14641.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	14762.199971586	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	14759.058981448	Sum of GTIs [s]
date	2020-09-23T12:51:30	Date and time of file creation	ontime3	14762.199971586	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	14762.199971586	Sum of GTIs [s]
			ontime6	14762.199971586	Sum of GTIs [s]
			ontime7	14762.199971586	Sum of GTIs [s]
			l1events	605077	Number of level 1 events

2.1.4 Events

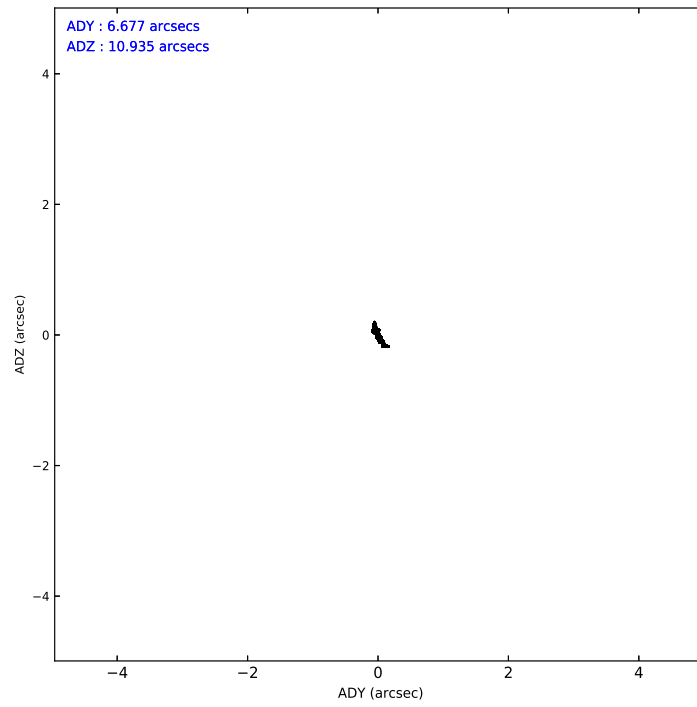
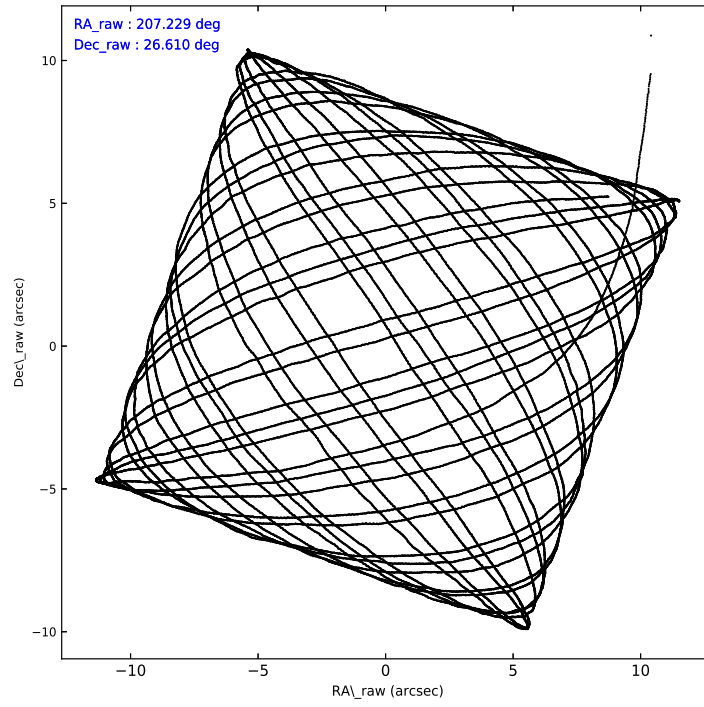
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	81731	80836	109745	90161	242604
rejected events	71286	69484	55077	71132	52165
rejected %	87%	85%	50%	78%	21%

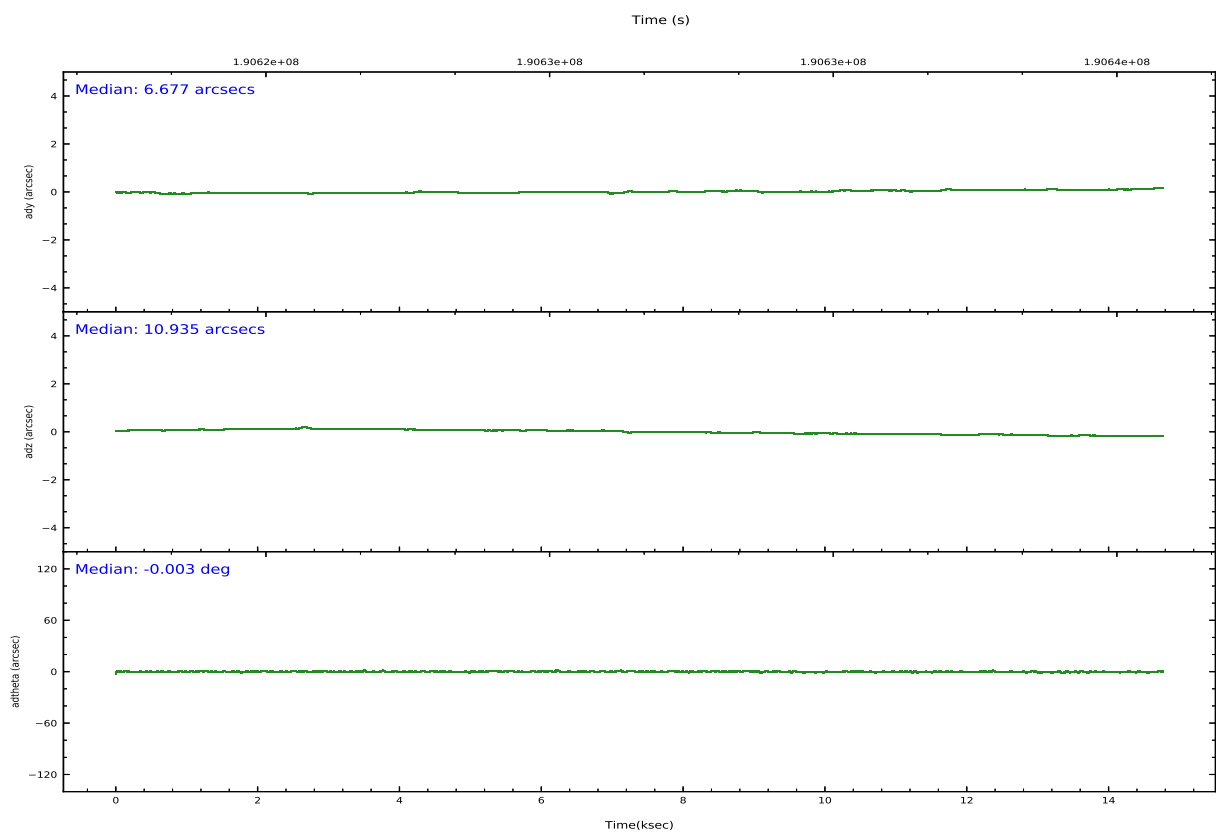
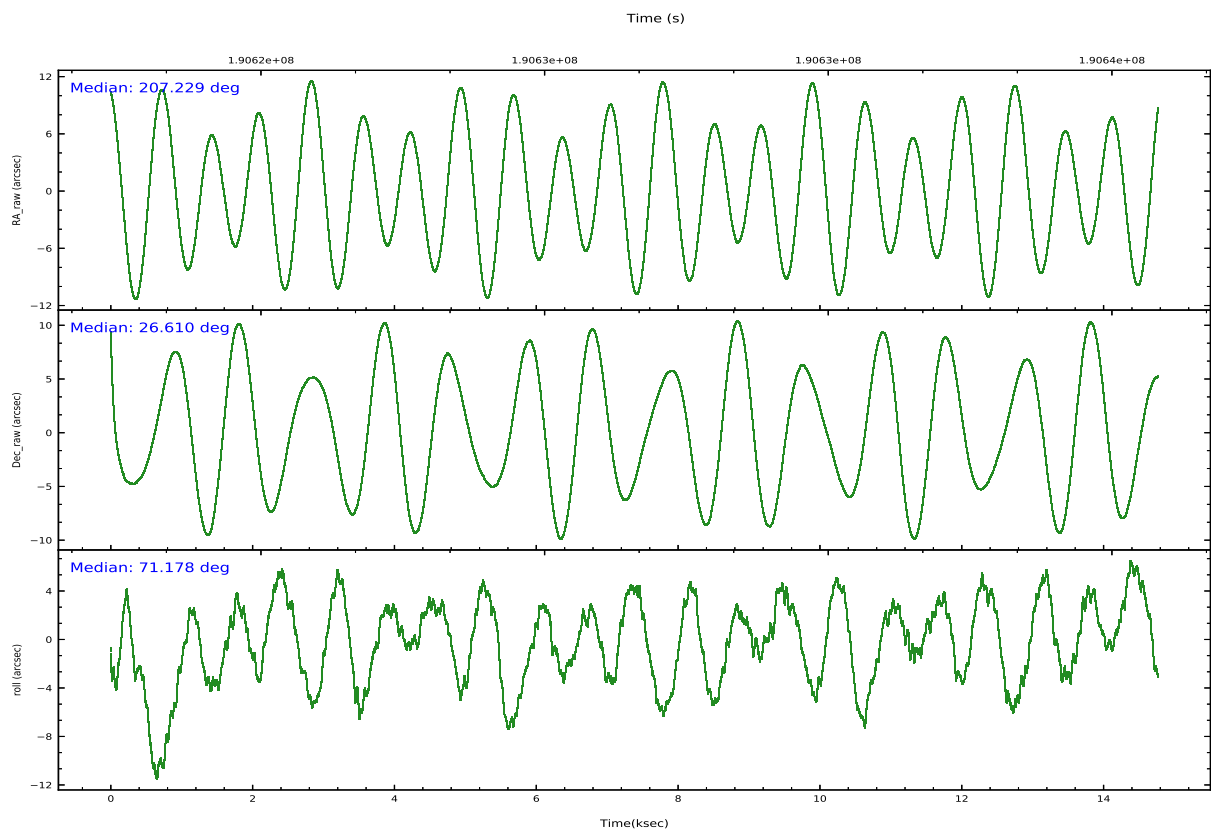
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	5324	5970	7860	12034	52510
	6%	7%	7%	13%	21%
grade 1 events	49	51	76	82	174
	0%	0%	0%	0%	0%
grade 2 events	1933	1999	15616	2898	47658
	2%	2%	14%	3%	19%
grade 3 events	918	985	2548	1222	21081
	1%	1%	2%	1%	8%
grade 4 events	959	1042	2356	1216	21003
	1%	1%	2%	1%	8%
grade 5 events	2498	3149	8796	3169	10516
	3%	3%	8%	3%	4%
grade 6 events	1485	1566	27308	1947	50770
	1%	1%	24%	2%	20%
grade 7 events	68565	66074	45185	67593	38892
	83%	81%	41%	74%	16%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23567	ACIS-23567	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	207.235177	207.23150542082	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.583224	26.606963262683	Alternating exposures requested	N	N
[deg] Pointing Roll	71.022782	71.177831938738	[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	-200.032523	-200.036411076812			
[mm] SIM translation stage offset	9.9	9.903888493804232			
[s] Observation start time (MET)	190622011.184000	190620925.90536			
Observation start date	2004-01-16T06:32:27	2004-01-16T06:15:25			
[s] Observation end time (MET)	190636652.184000	190637538.59358			
Observation end date	2004-01-16T10:36:28	2004-01-16T10:52:18			
Read mode	TIMED	TIMED			

2.3 Aspect



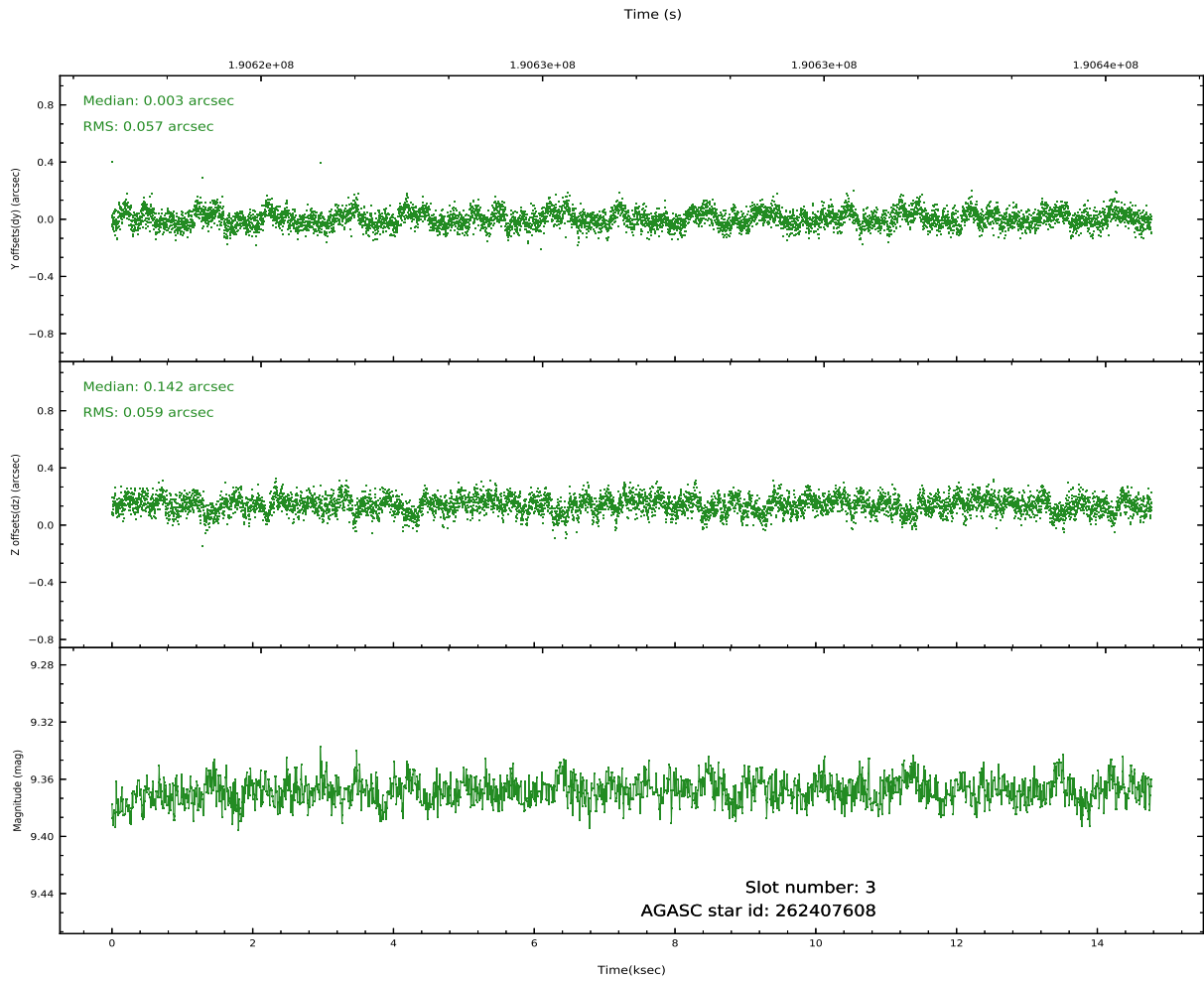
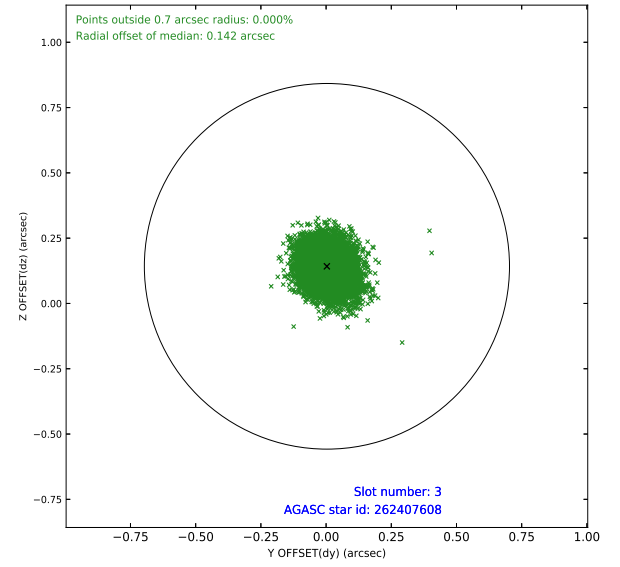
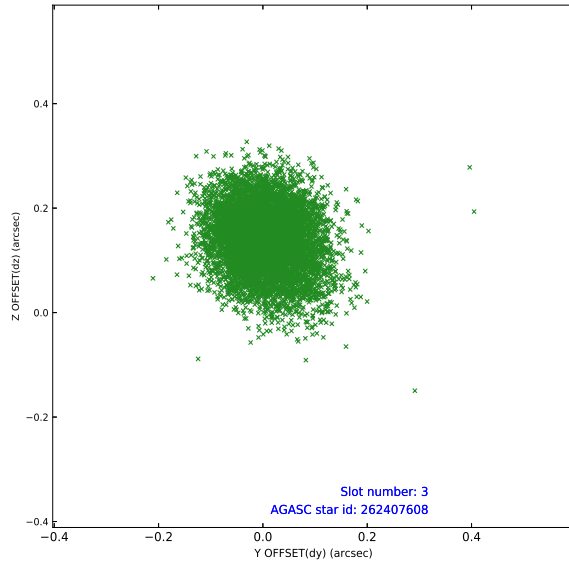


Slot Statistics

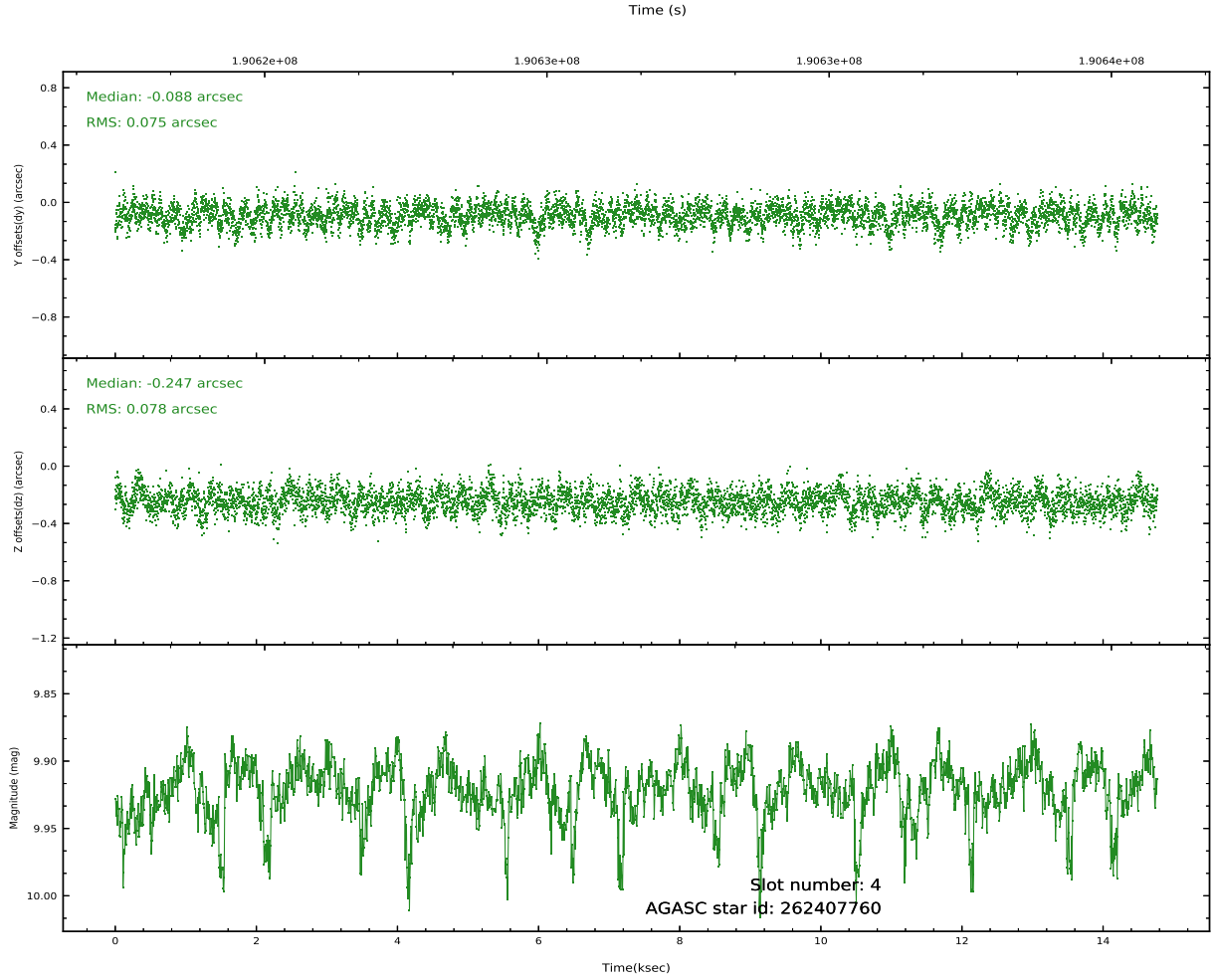
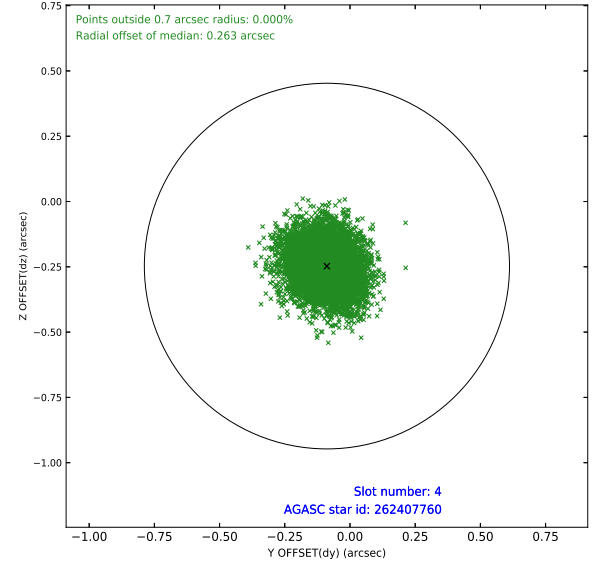
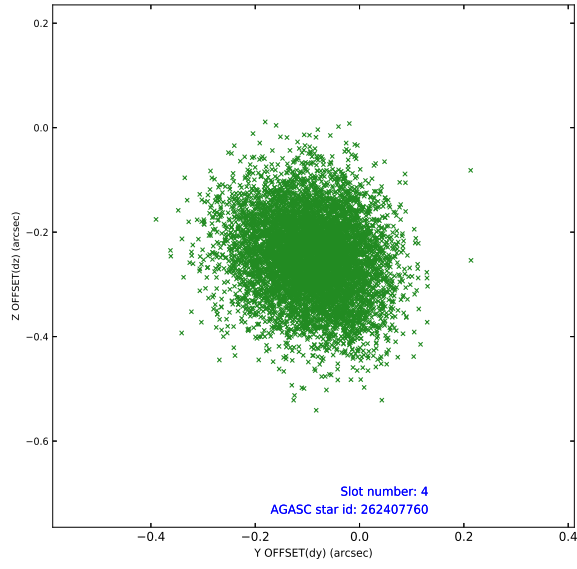
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.13	3603	1.000	0.025	0.083	0.007	0.011	0.000000	0.000000	-760.04	-1527
1	FID		ACIS-S-4	7.22	3603	1.000	0.086	-0.034	0.006	0.010	0.000000	0.000000	2153.21	380
2	FID		ACIS-S-5	7.22	3603	1.000	-0.142	-0.039	0.007	0.012	0.000000	0.000000	-1812.60	374
3	GUIDE	used	262407608	9.37	7201	1.000	0.003	0.142	0.087	0.141	207.378401	26.435507	-352.09	-609
4	GUIDE	used	262407760	9.92	7204	1.000	-0.088	-0.247	0.116	0.187	206.566773	26.577263	-714.88	2029
5	GUIDE	used	262408096	9.35	7203	1.000	0.002	-0.028	0.095	0.157	207.011678	26.515421	-464.19	602
6	GUIDE	used	262408936	9.64	7202	1.000	-0.034	-0.056	0.107	0.173	207.154731	26.726554	404.07	412
7	GUIDE	used	262411960	9.69	7199	1.000	0.113	0.191	0.103	0.169	207.327895	25.881727	-2289.75	-1105

2.4 Star Slots

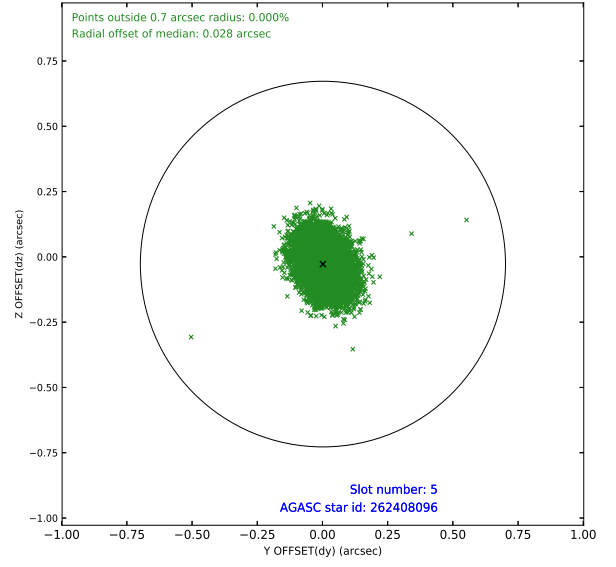
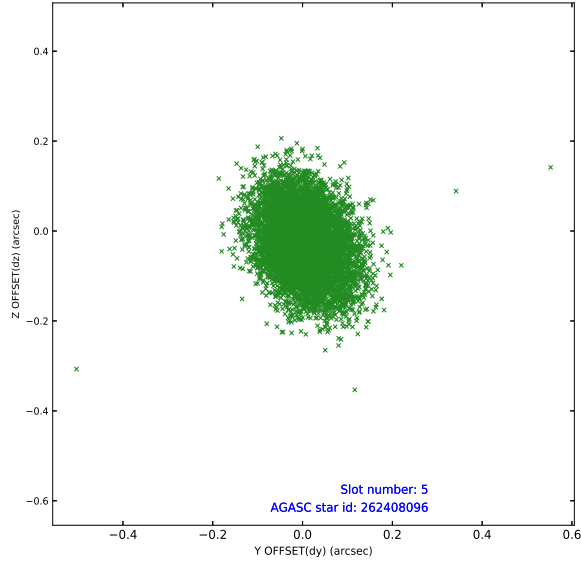
2.4.1 Slot 3



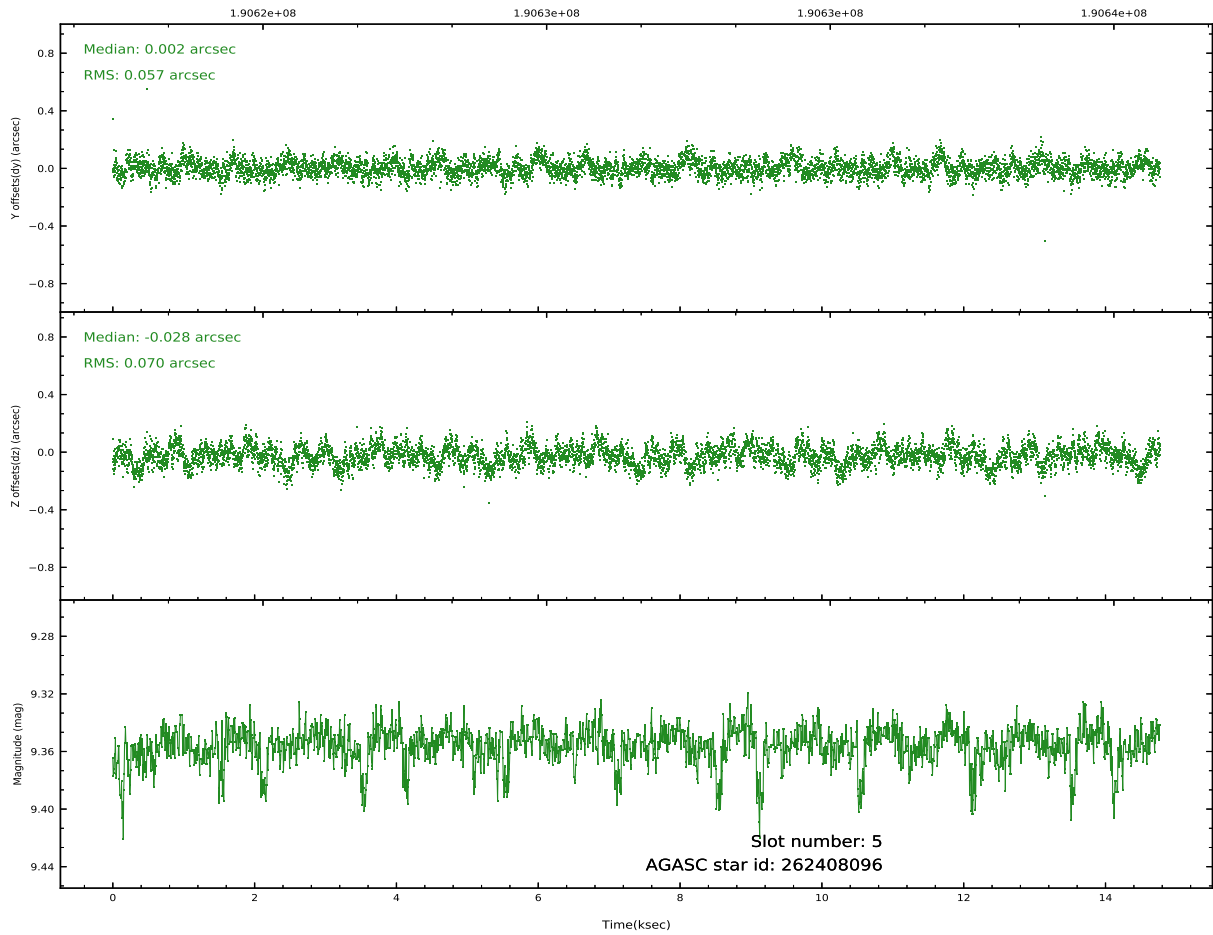
2.4.2 Slot 4



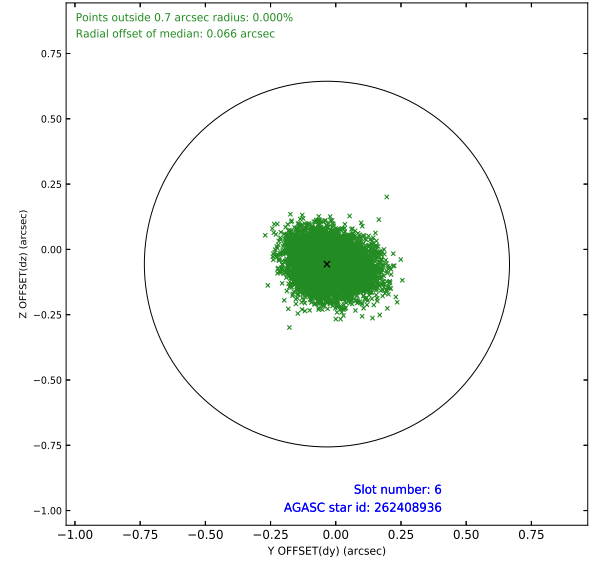
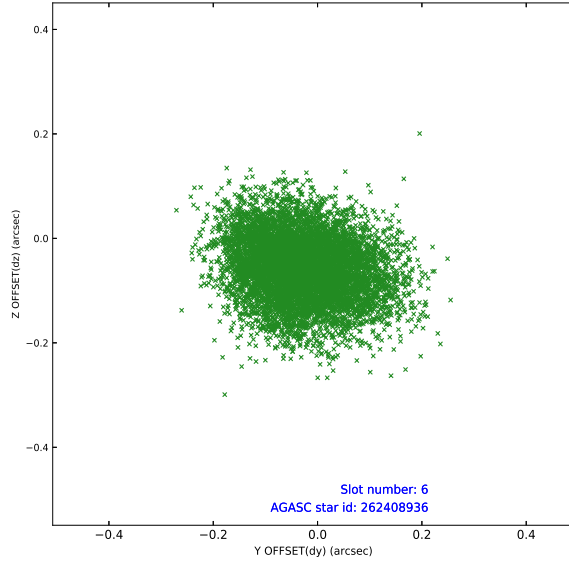
2.4.3 Slot 5



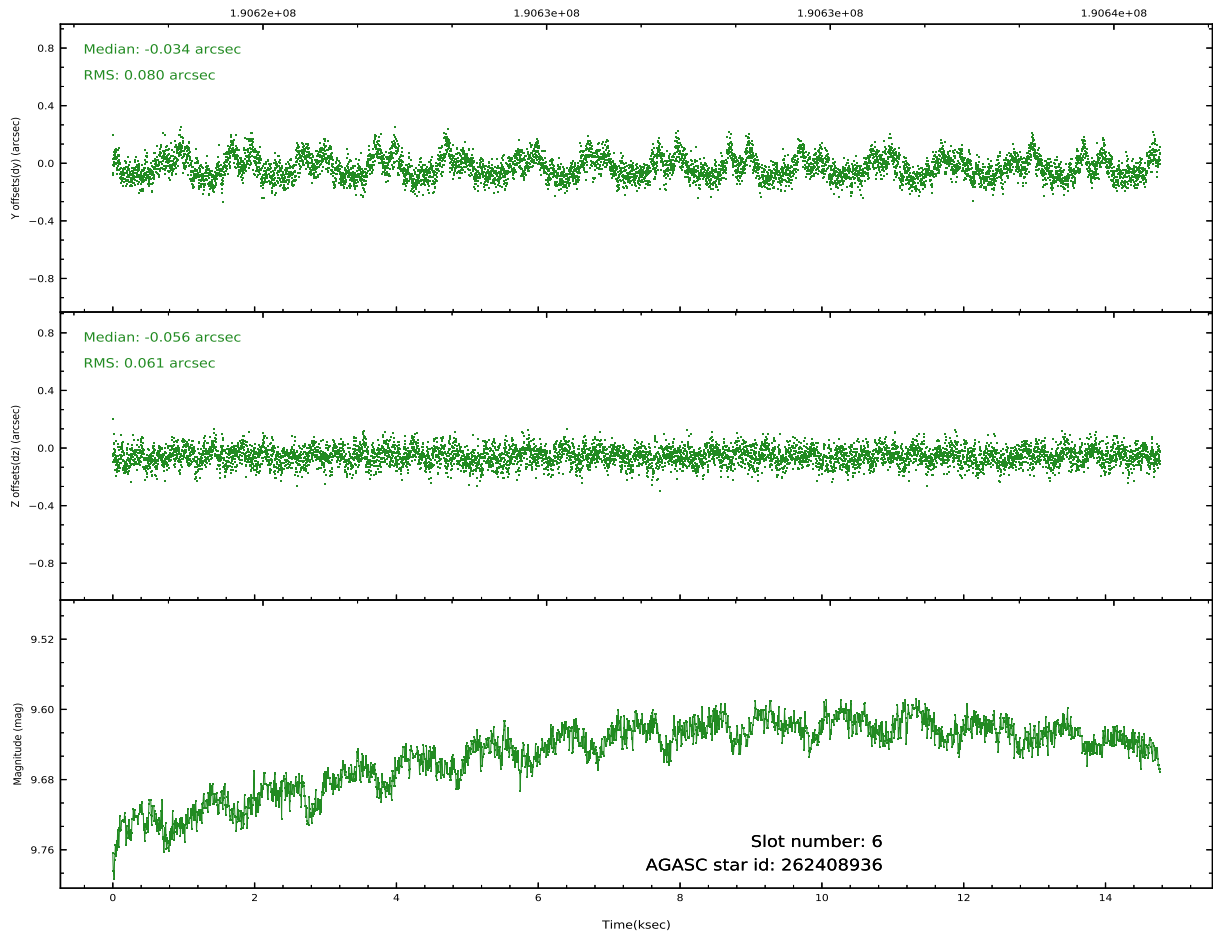
Time (s)



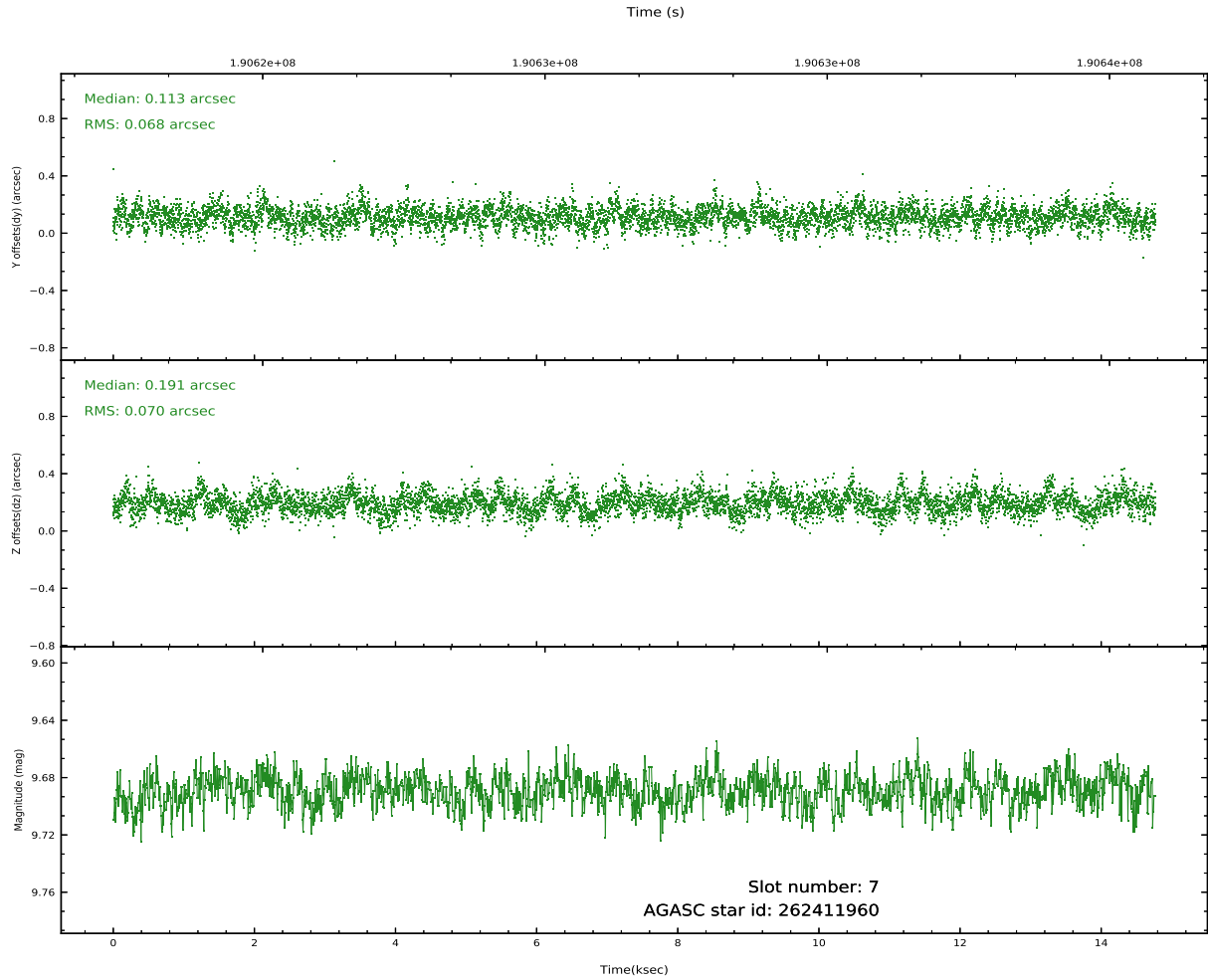
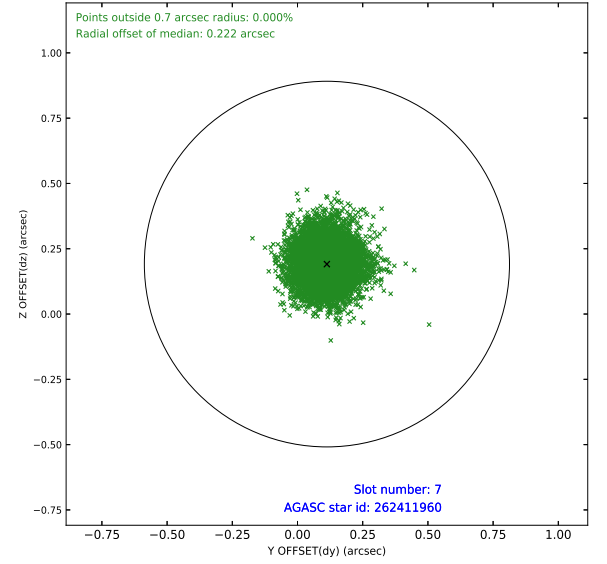
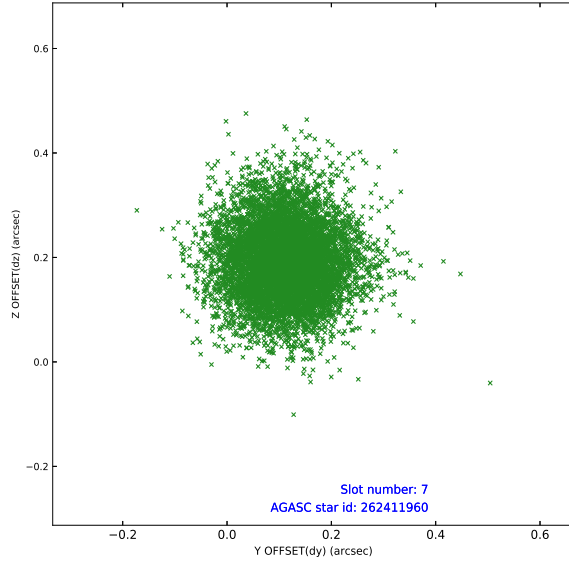
2.4.4 Slot 6



Time (s)

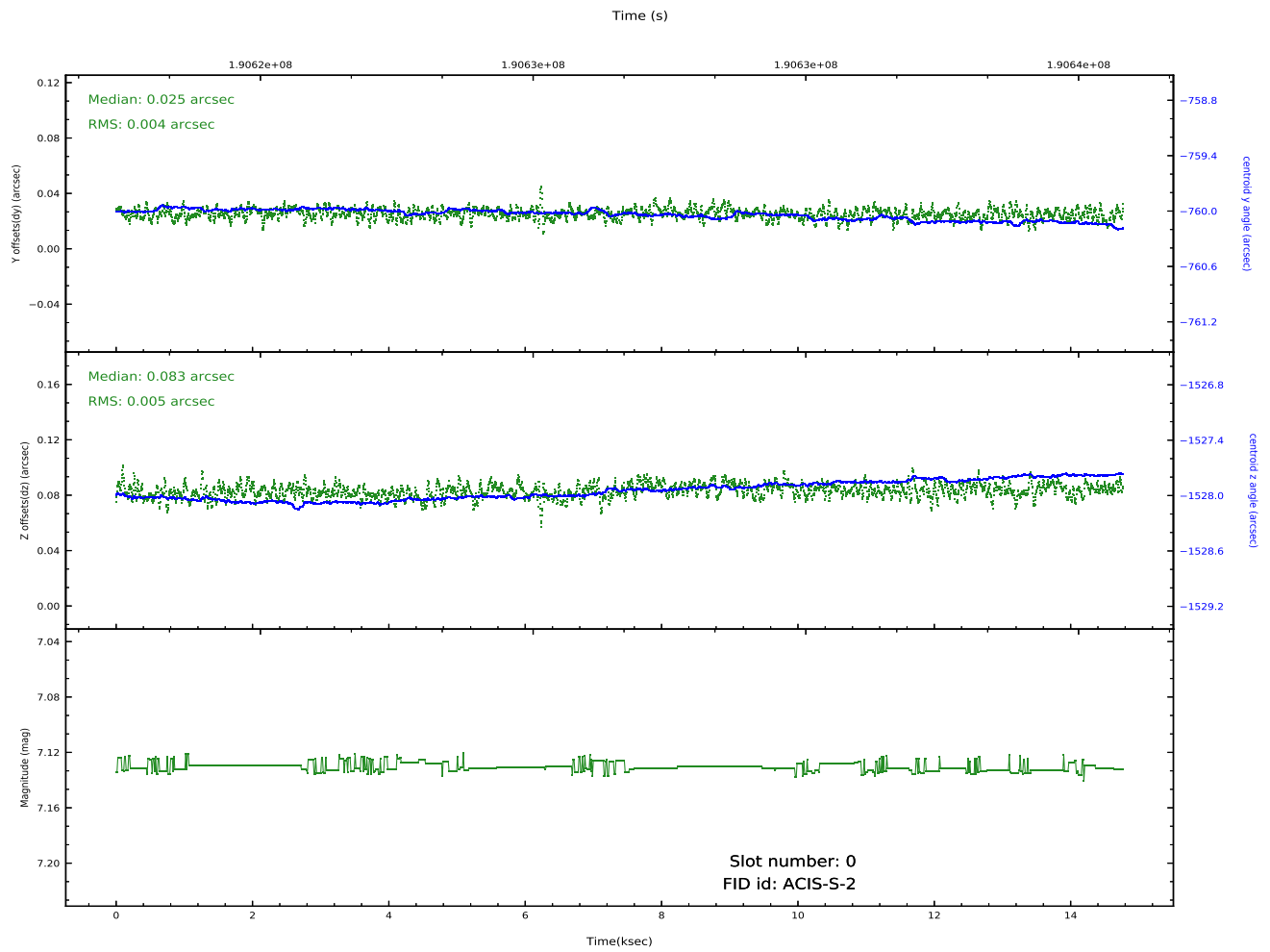
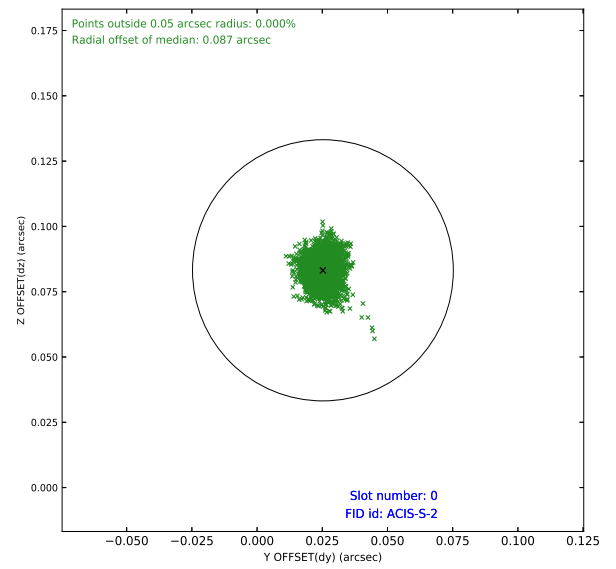
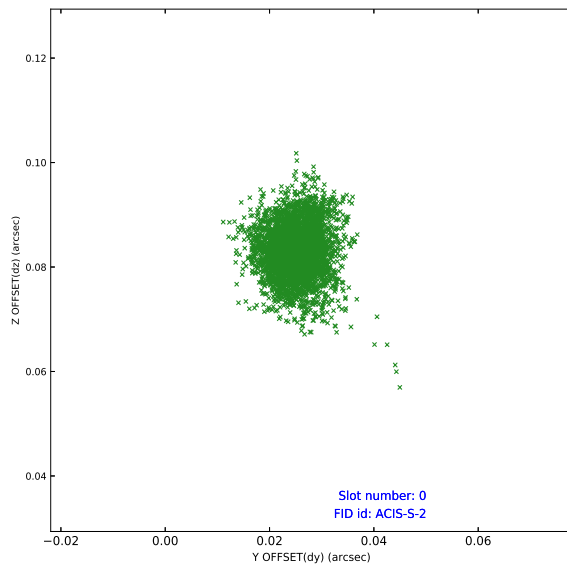


2.4.5 Slot 7

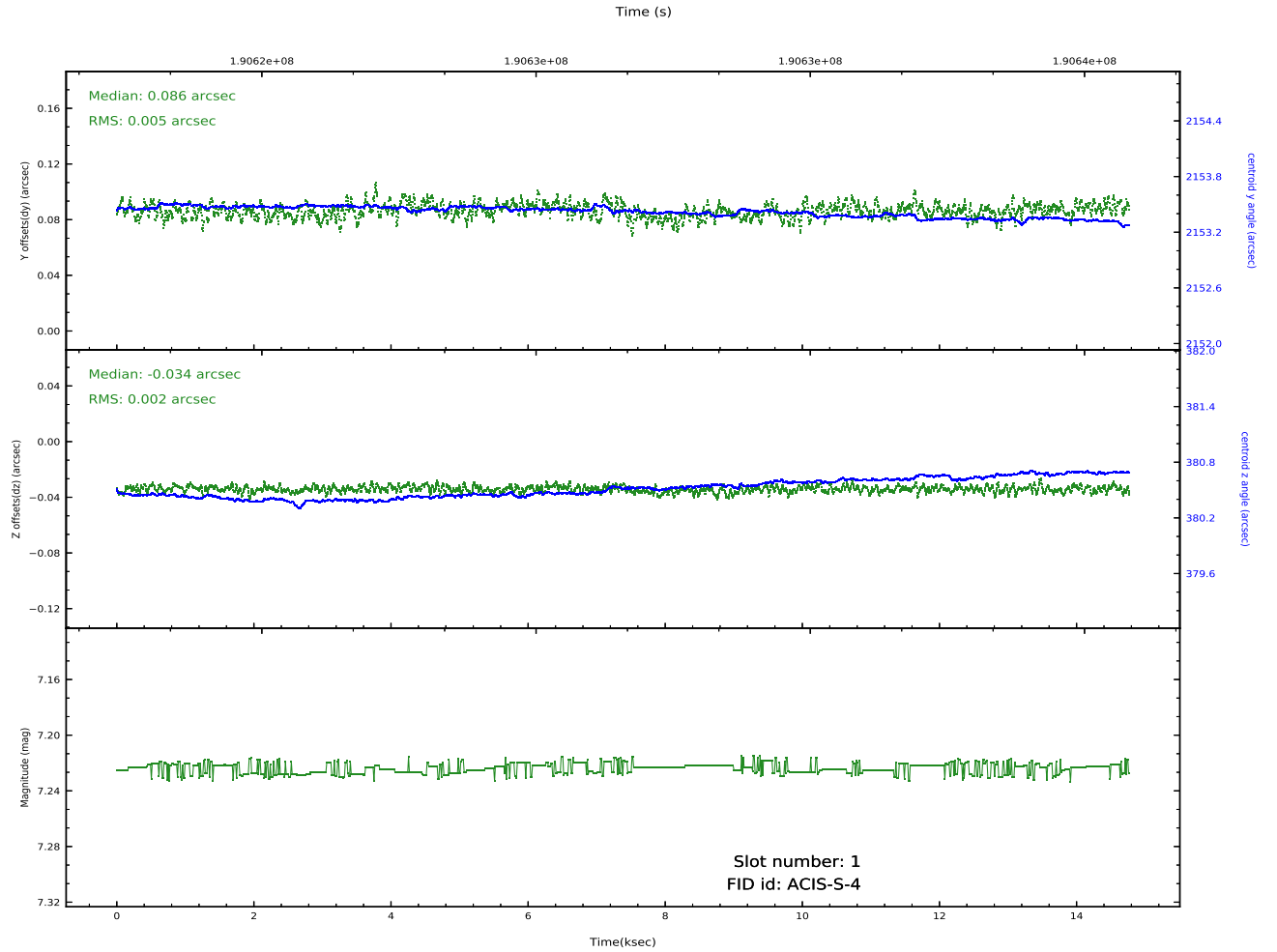
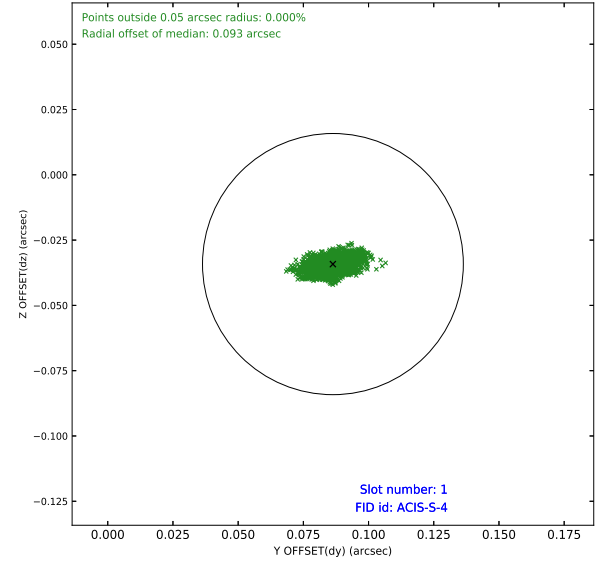
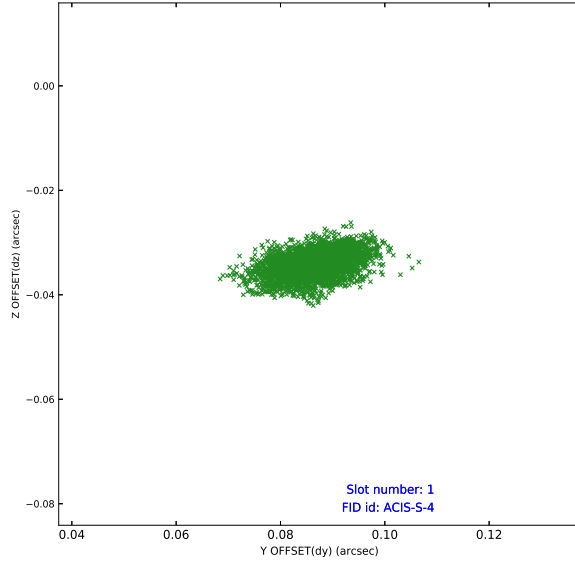


2.5 FID Slots

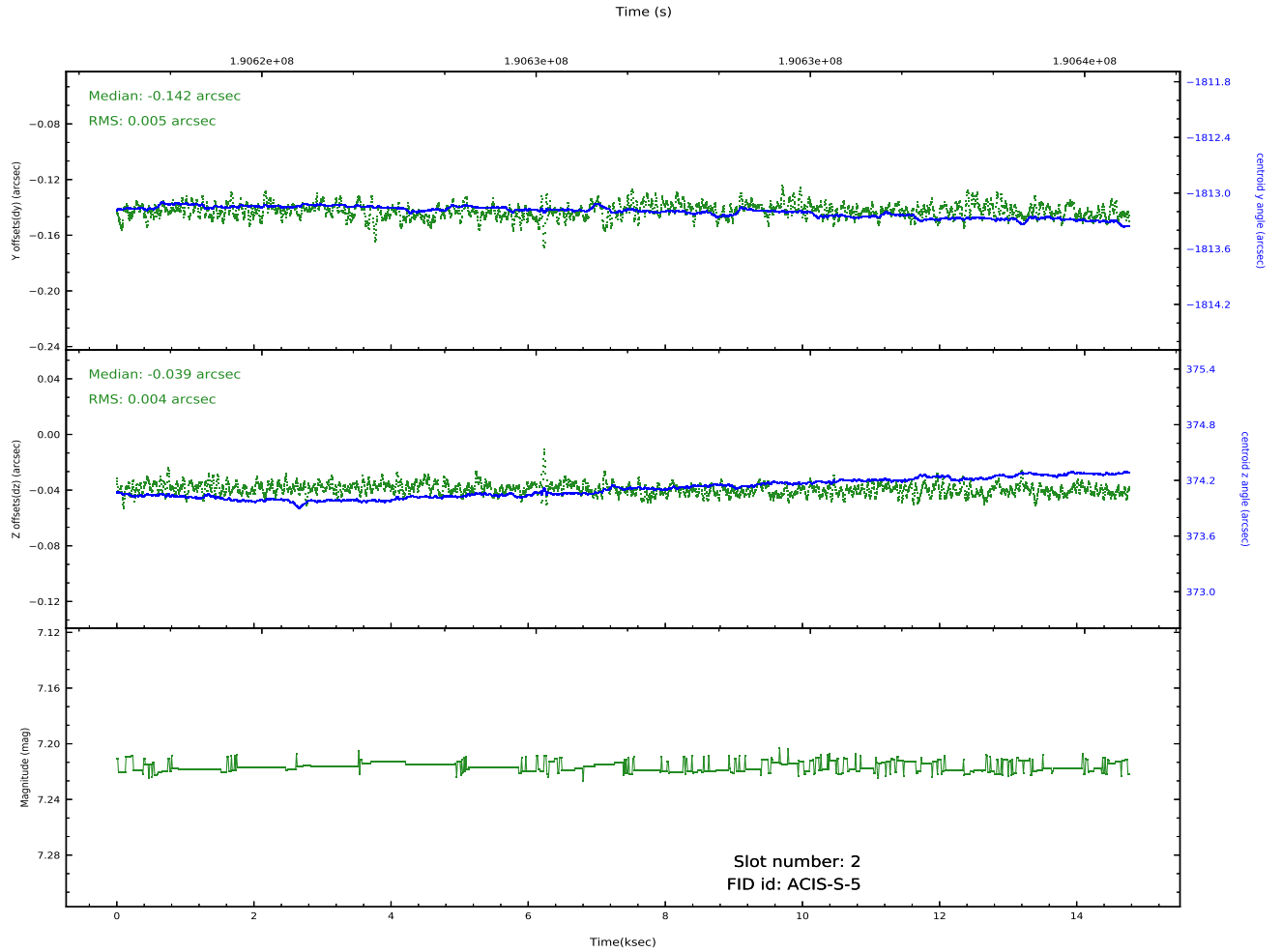
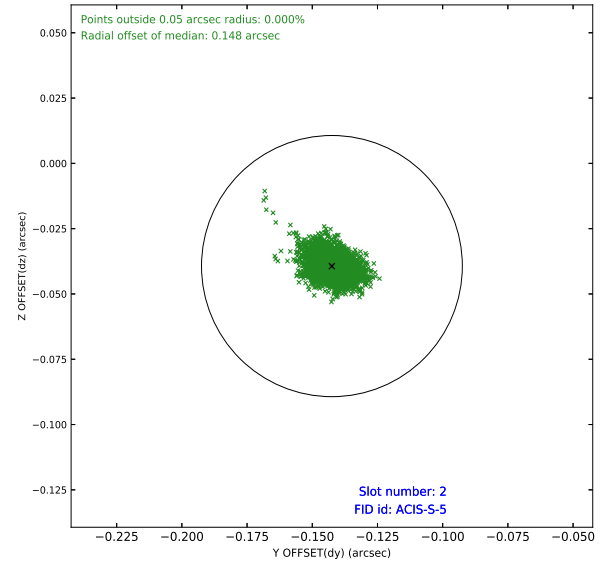
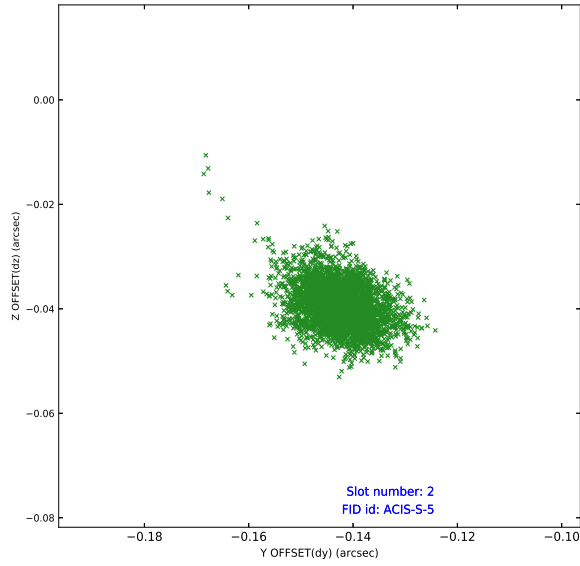
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.762

A.2 Comments