

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5912 - L2 Version 4
Chandra X-Ray Center

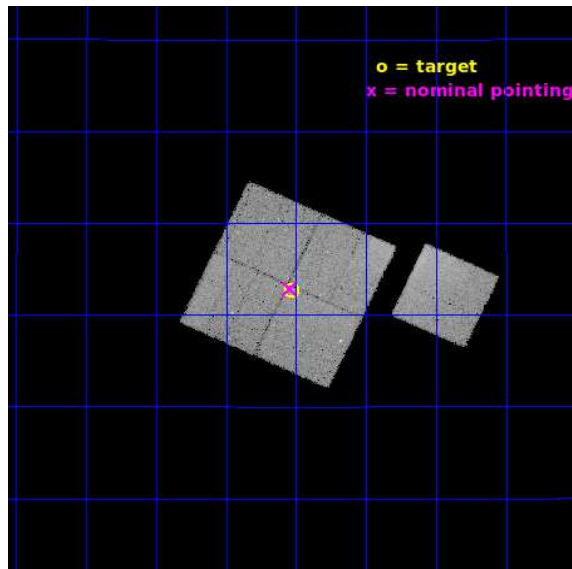
L2 Processing Date : Oct 7 2020

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1 Front

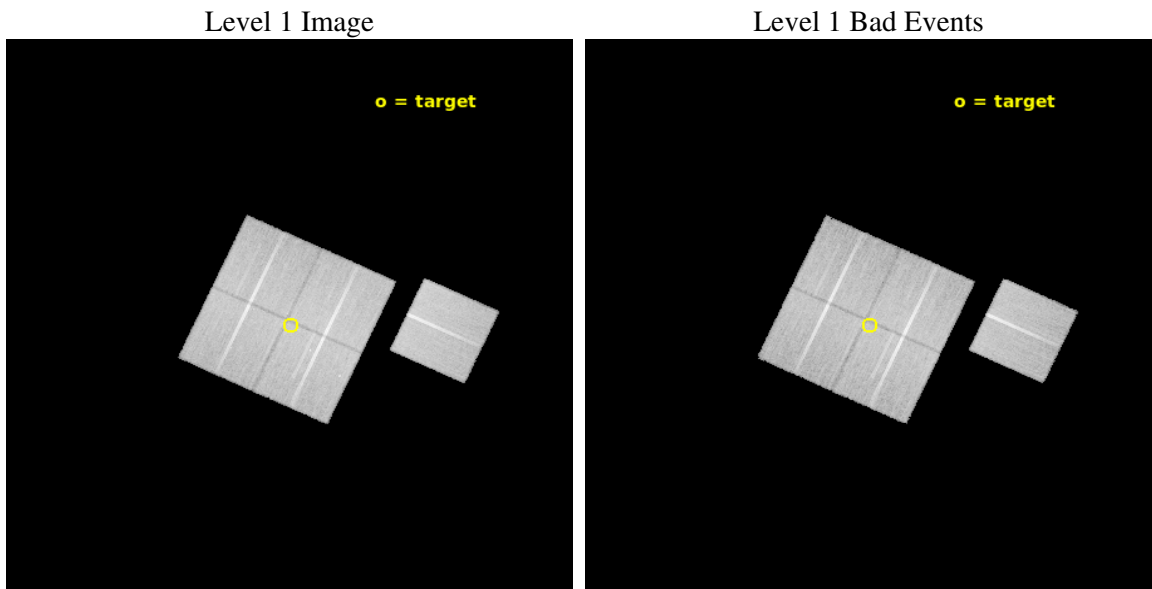
seq_num	600431	Sequence number
obs_id	5912	Observation id
title	Understanding the Process of Ram Pressure Stripping in M86	Proposa
observer	Christine Jones	Principal investigator
object	M86	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.7575	Observer's specified target RA [deg]
dec_targ	12.876944	Observer's specified target Dec [deg]
ra_nom	186.76089585318	Nominal RA [deg]
dec_nom	12.880983849689	Nominal Dec [deg]
roll_nom	114.90832999041	Nominal Roll [deg]
revision	4	Processing version of data
ontime	33061.490178019	Sum of GTIs [s]
livetime	32642.845682145	Livetime [s]
ontime0	33064.608068168	Sum of GTIs [s]
ontime1	33064.649108171	Sum of GTIs [s]
ontime2	33064.690148175	Sum of GTIs [s]
ontime3	33061.490178019	Sum of GTIs [s]
ontime6	33064.567028165	Sum of GTIs [s]
l2events	137333	Number of level 2 events



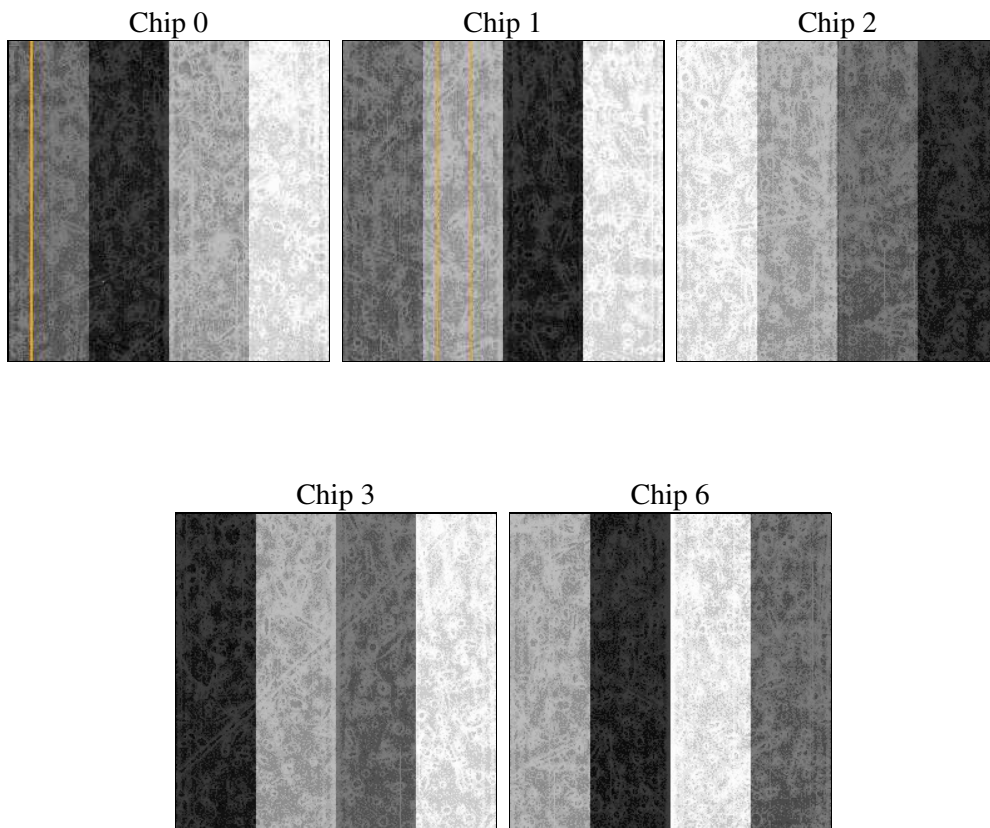
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	33000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	33061.490178019	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	33064.608068168	Sum of GTIs [s]
date	2020-10-07T04:43:22	Date and time of file creation	ontime1	33064.649108171	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	33064.690148175	Sum of GTIs [s]
			ontime3	33061.490178019	Sum of GTIs [s]
			ontime6	33064.567028165	Sum of GTIs [s]
			l1events	1039750	Number of level 1 events

2.1.4 Events

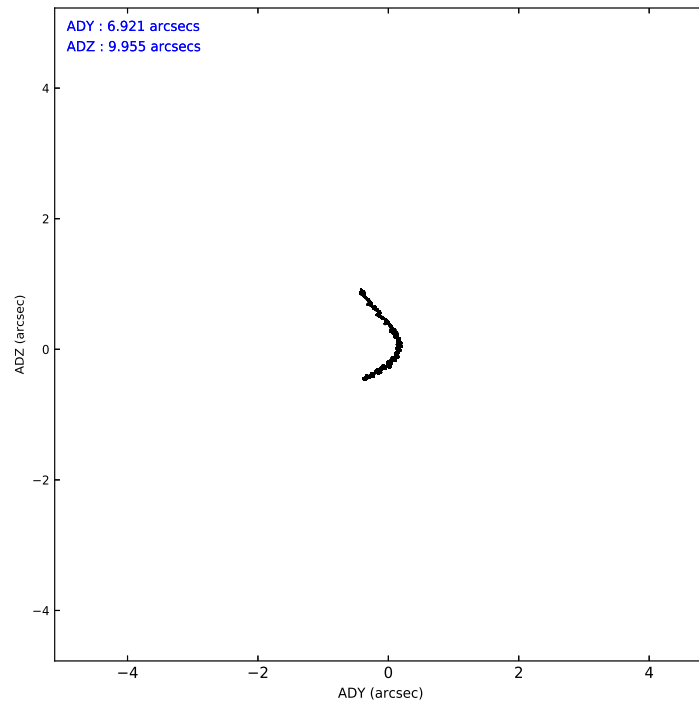
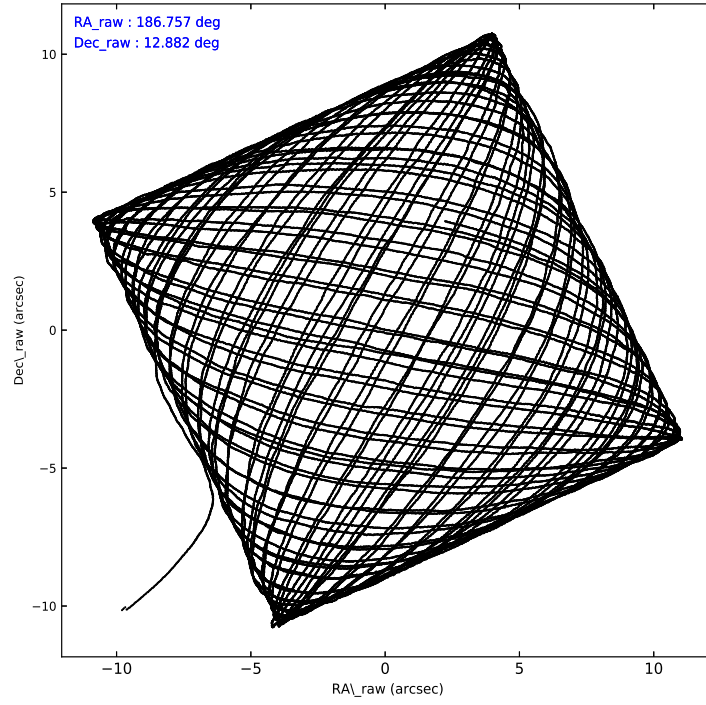
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	193242	194736	224911	211533	215328
rejected events	164725	165795	188938	183742	178545
rejected %	85%	85%	84%	86%	82%

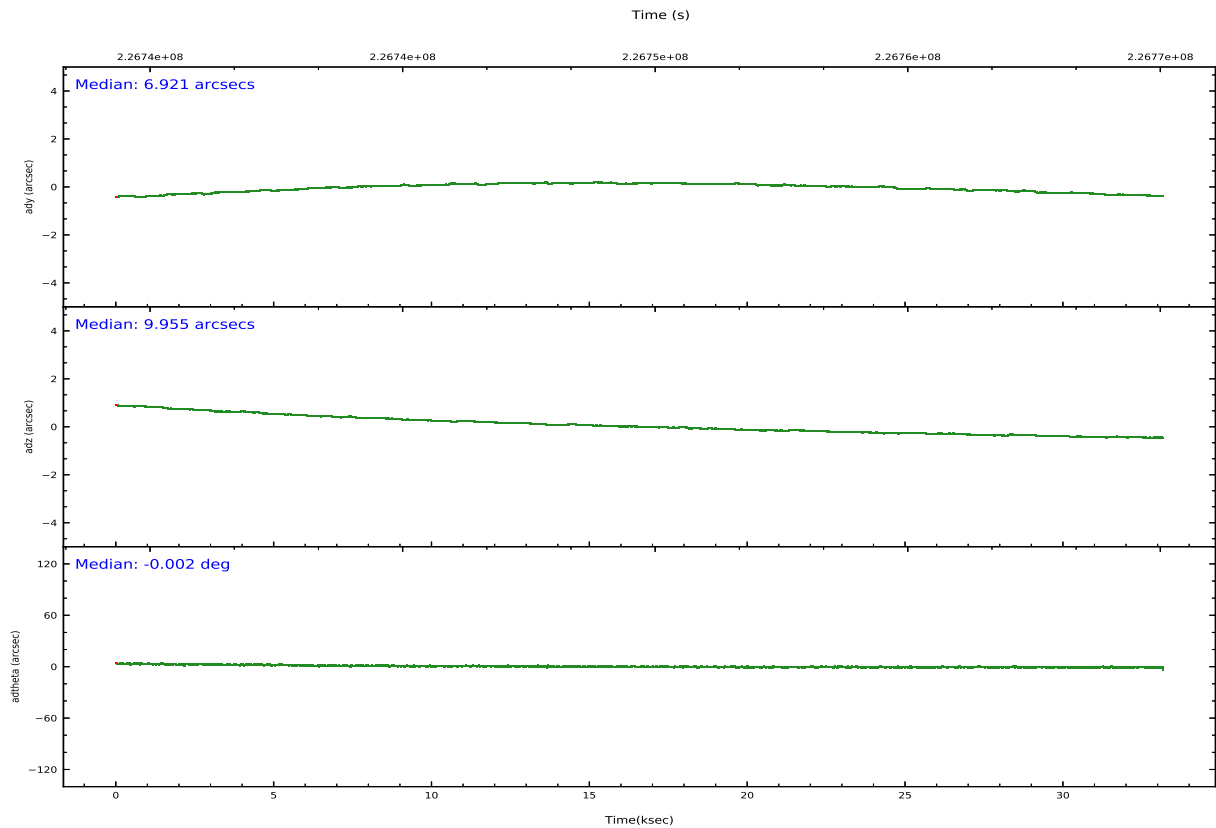
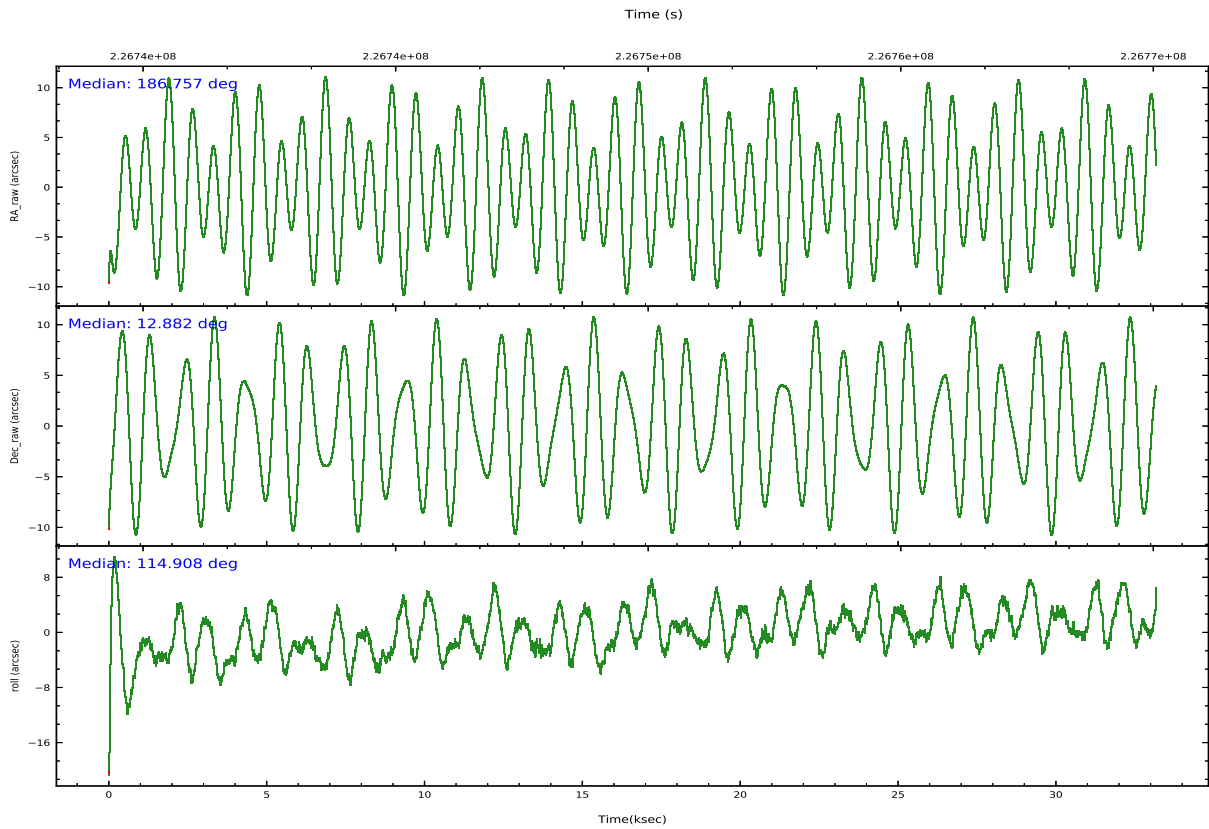
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	14053	13859	21278	14133	21246
	7%	7%	9%	6%	9%
grade 1 events	128	107	185	130	129
	0%	0%	0%	0%	0%
grade 2 events	5438	5406	5946	4919	5695
	2%	2%	2%	2%	2%
grade 3 events	2555	2578	2441	2475	2729
	1%	1%	1%	1%	1%
grade 4 events	2415	2594	2594	2405	2620
	1%	1%	1%	1%	1%
grade 5 events	7383	7813	6860	8243	8044
	3%	4%	3%	3%	3%
grade 6 events	4056	4505	3716	3862	4497
	2%	2%	1%	1%	2%
grade 7 events	157214	157874	181891	175366	170368
	81%	81%	80%	82%	79%

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	186.780384	186.76089585318	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.865932	12.880983849689	Alternating exposures requested	N	N
[deg] Pointing Roll	114.694725	114.90832999041	[s] Primary exposure time	0.000000	3.2
[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)	226735089.184000	226734143.14956			
Observation start date	2005-03-09T05:57:05	2005-03-09T05:42:23			
[s] Observation end time (MET)	226768089.184000	226769508.21366			
Observation end date	2005-03-09T15:07:05	2005-03-09T15:31:48			
Read mode	TIMED	TIMED			

2.3 Aspect





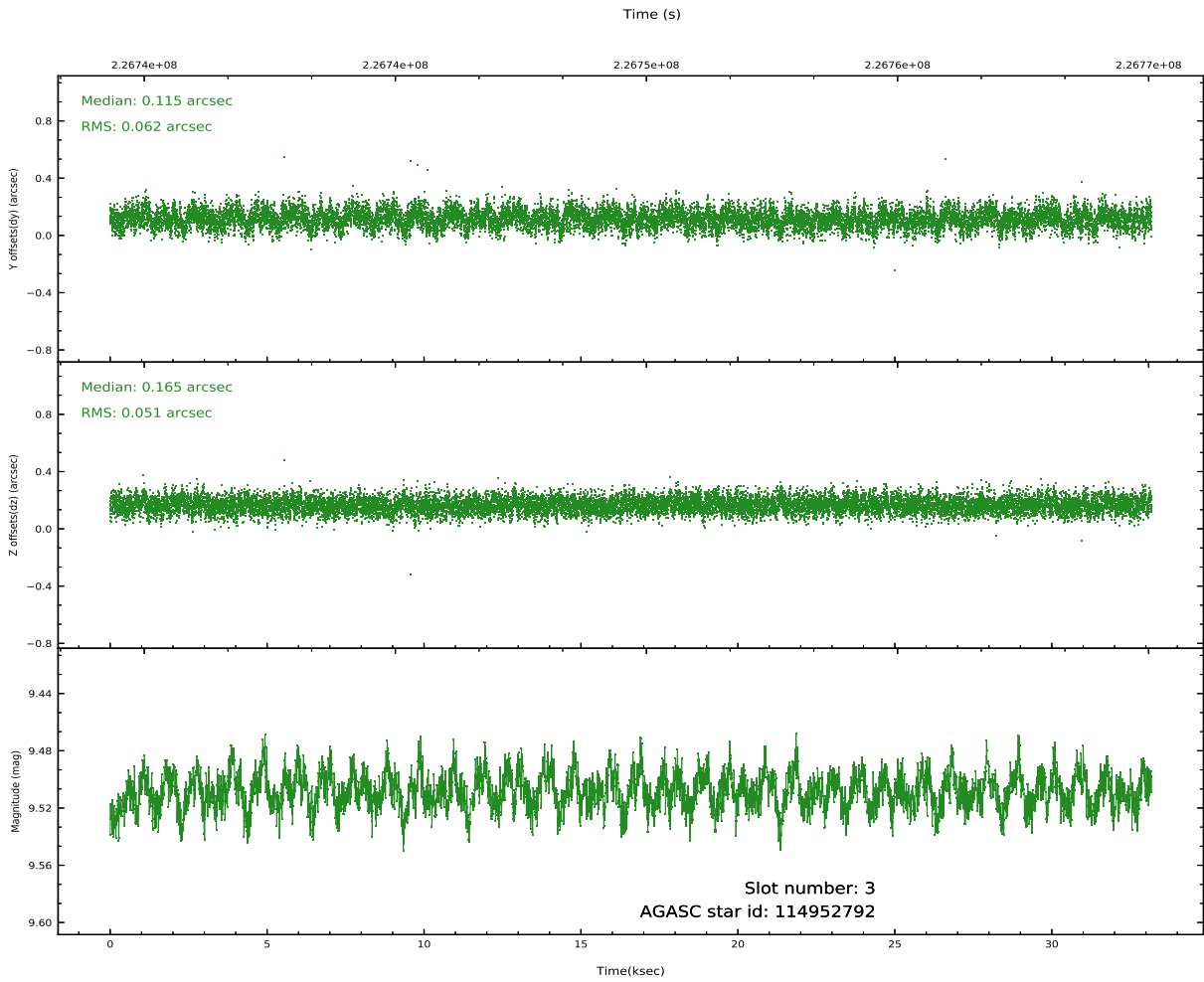
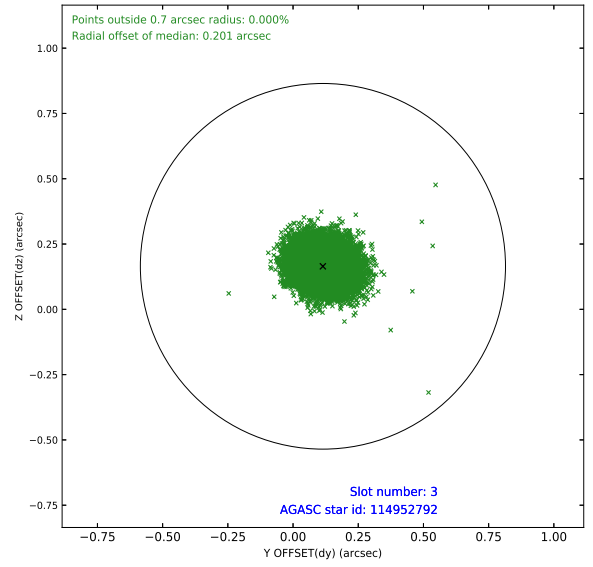
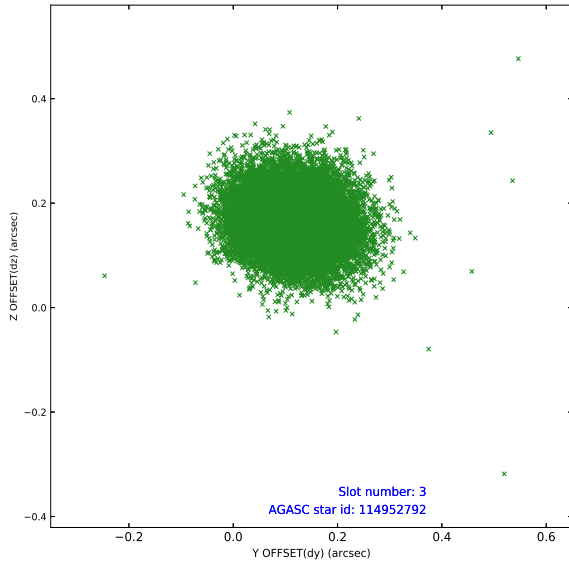
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.25	8091	1.000	0.015	-0.007	0.017	0.038	0.000000	0.000000	932.83	-833
1	FID		ACIS-I-5	7.23	8092	1.000	-0.196	0.021	0.009	0.017	0.000000	0.000000	-1815.47	1063
2	FID		ACIS-I-6	7.26	8092	1.000	0.090	0.058	0.013	0.024	0.000000	0.000000	398.38	1708
3	GUIDE	used	114952792	9.51	16170	1.000	0.115	0.165	0.085	0.137	187.070263	12.344747	-2129.76	-141
4	GUIDE	used	115215984	9.99	16102	1.000	-0.048	-0.057	0.140	0.229	186.134733	12.875031	978.94	2044
5	GUIDE	used	115347480	9.36	16171	1.000	-0.072	0.050	0.085	0.138	186.668576	13.310410	1617.78	-312
6	GUIDE	used	115348424	9.51	16170	1.000	0.005	-0.056	0.089	0.147	187.199498	13.087929	113.51	-1669
7	GUIDE	used	114954440	9.17	16171	1.000	-0.004	-0.099	0.089	0.145	186.915066	12.219118	-2313.58	541

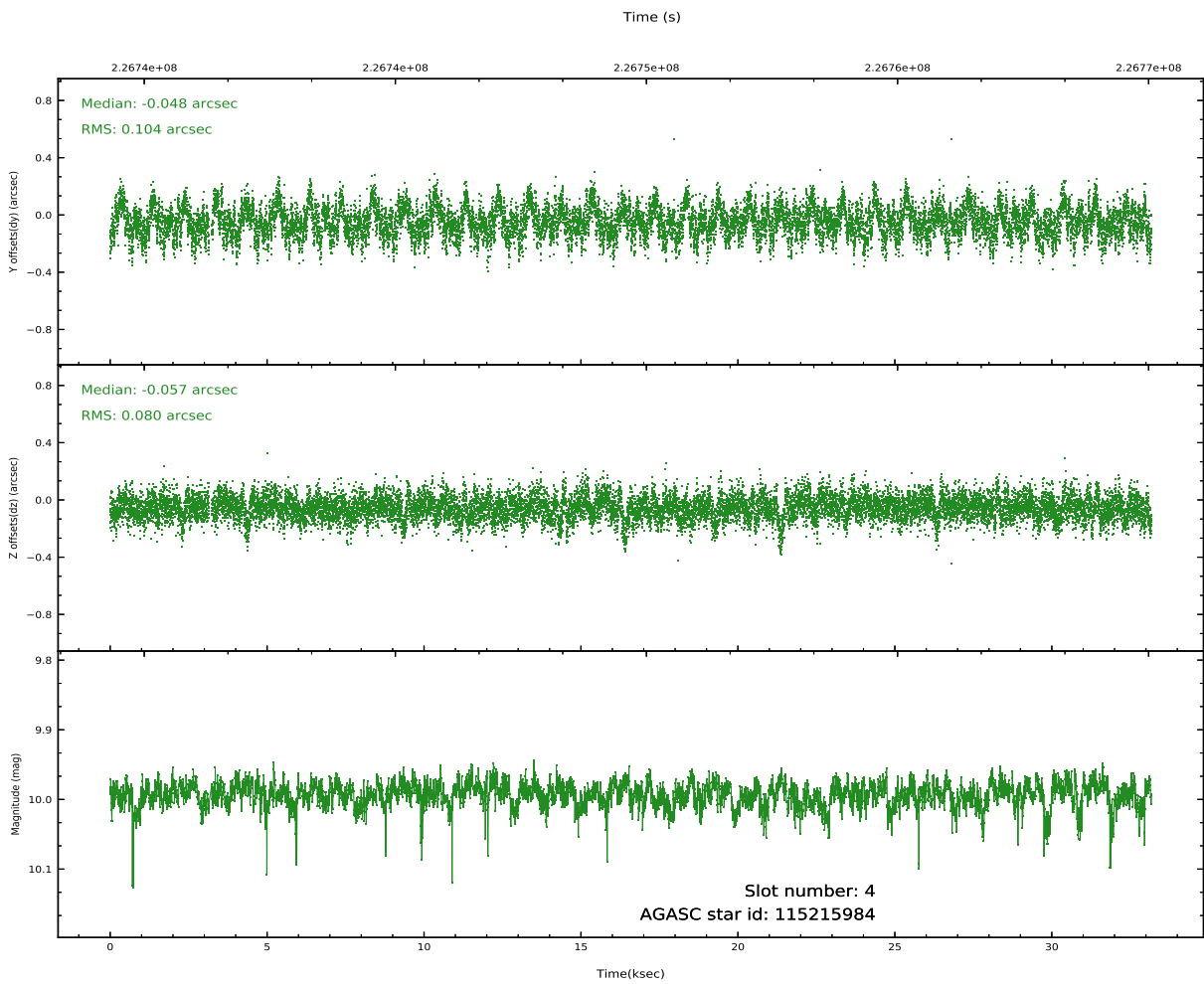
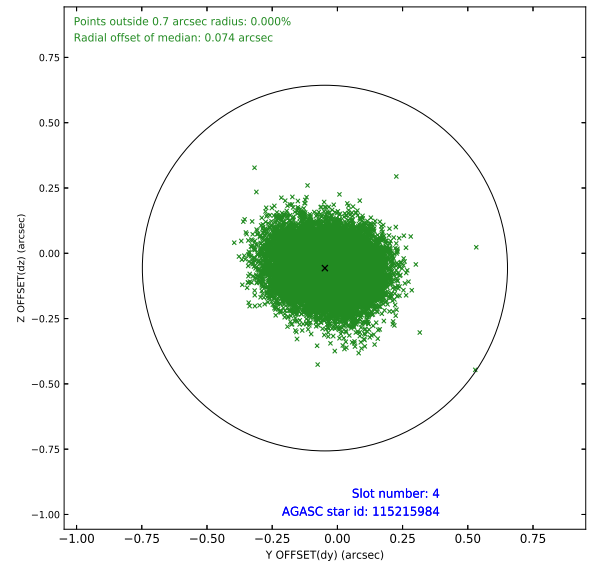
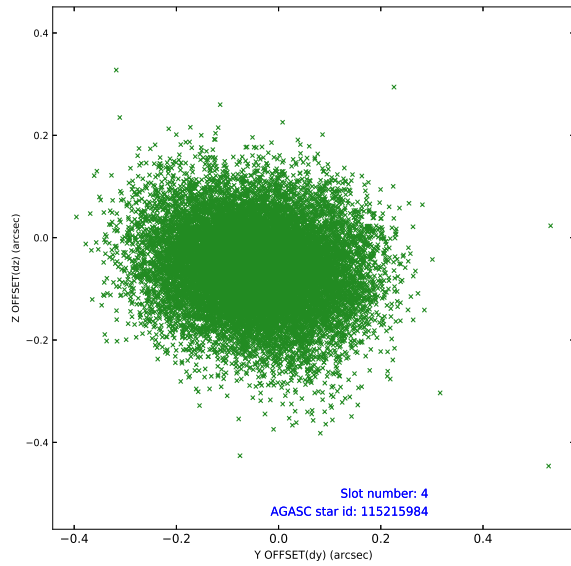
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2.4 Star Slots

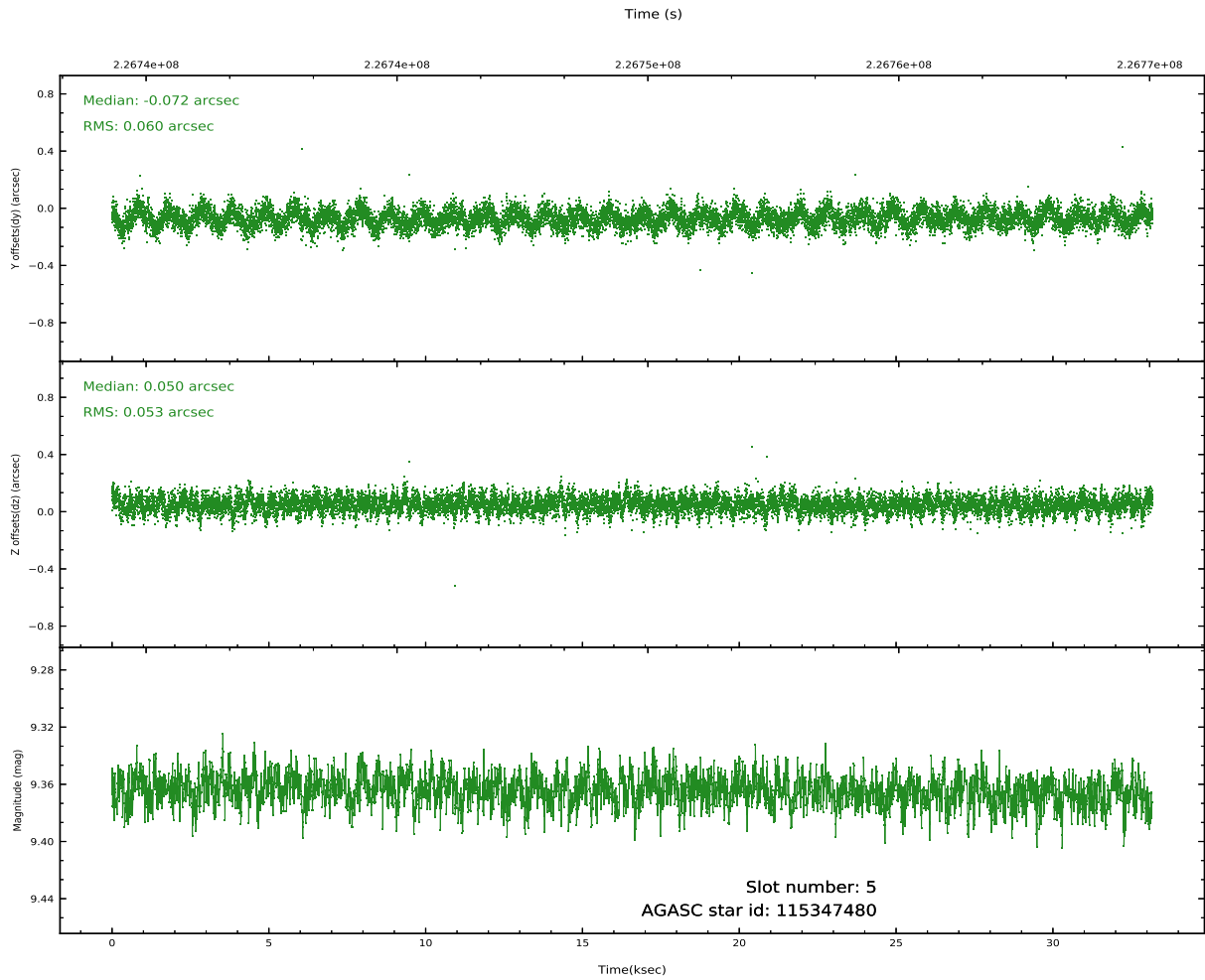
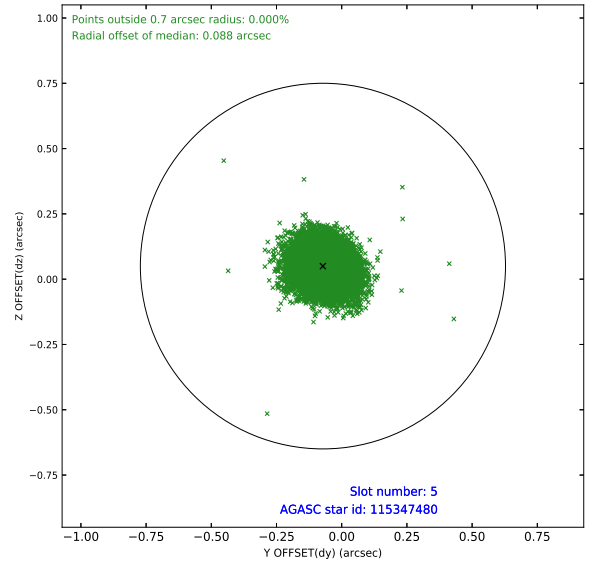
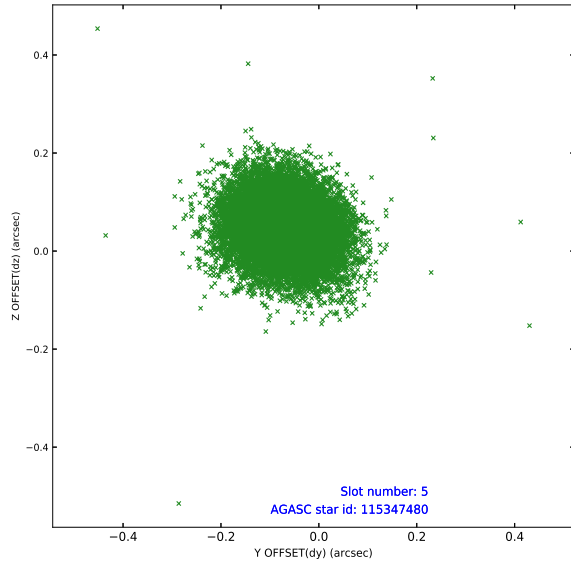
2.4.1 Slot 3



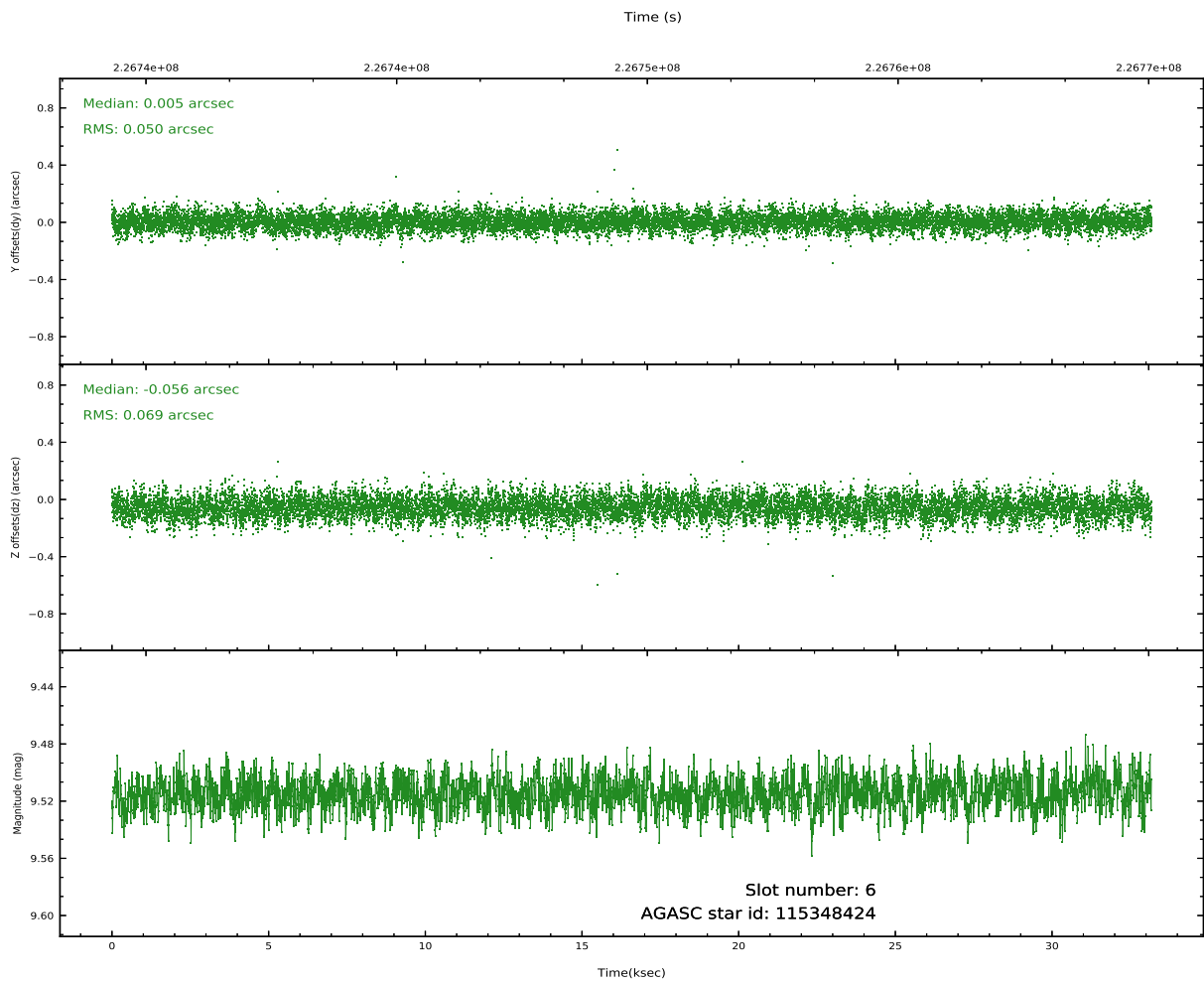
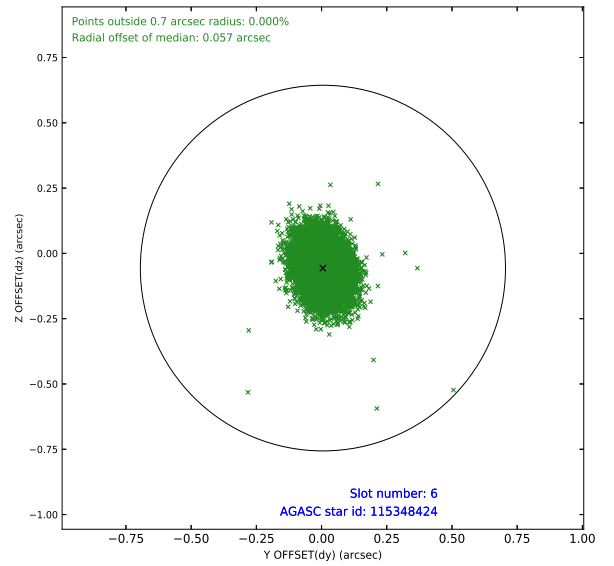
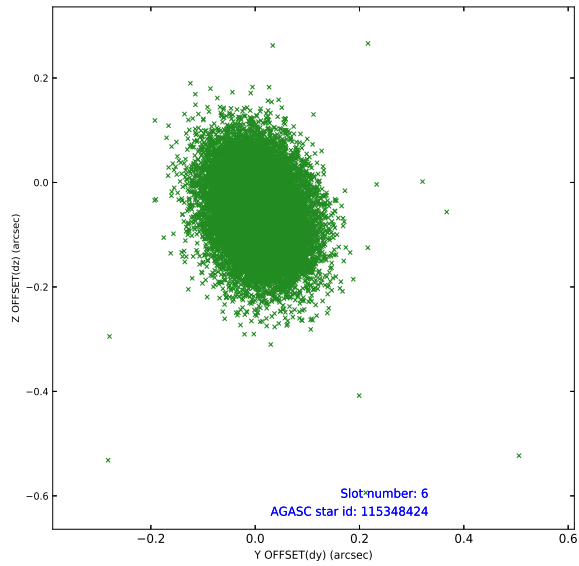
2.4.2 Slot 4



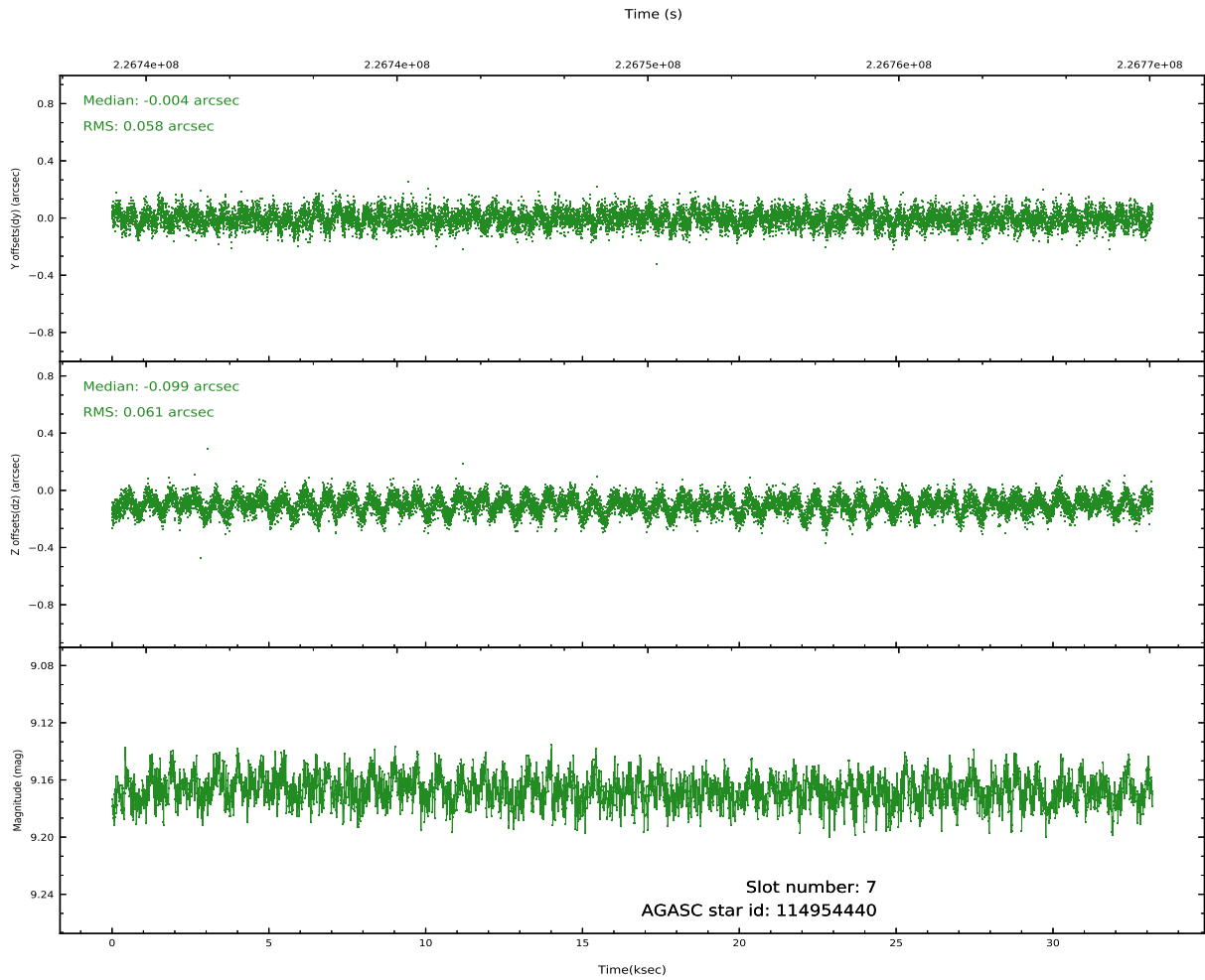
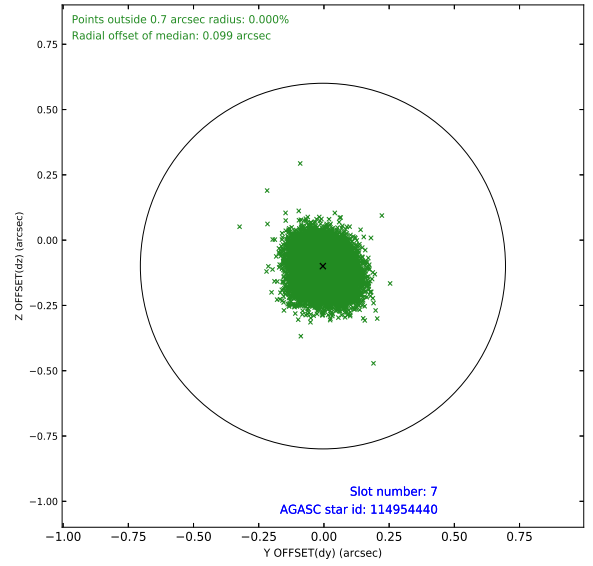
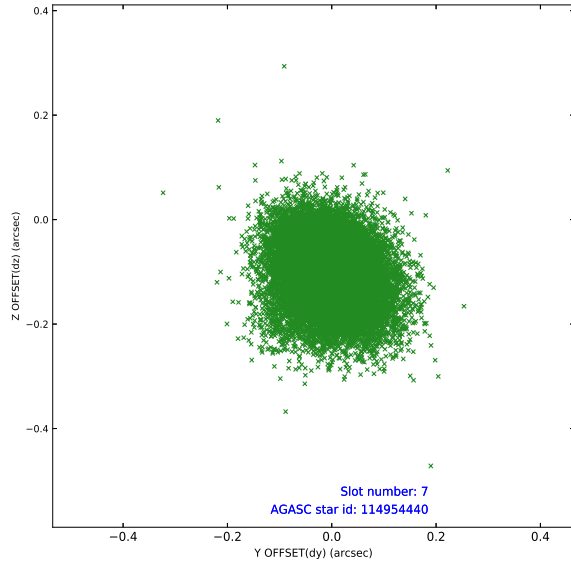
2.4.3 Slot 5



2.4.4 Slot 6

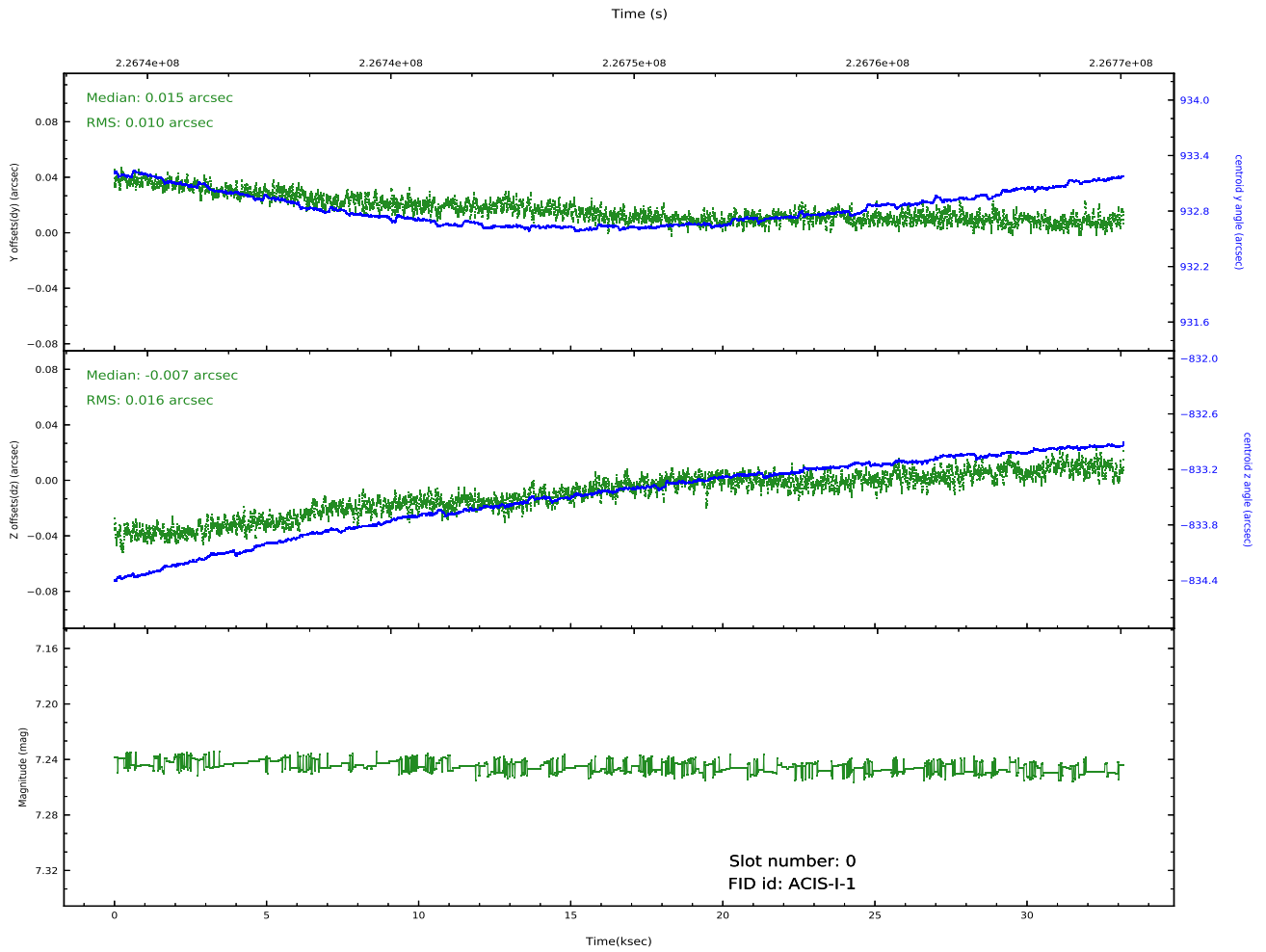
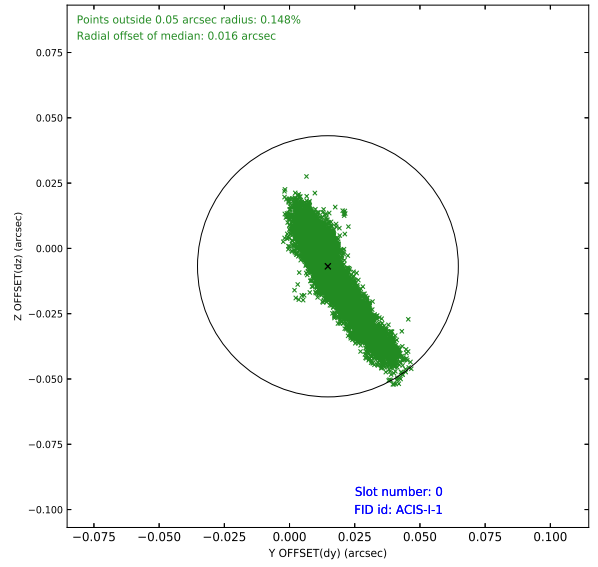
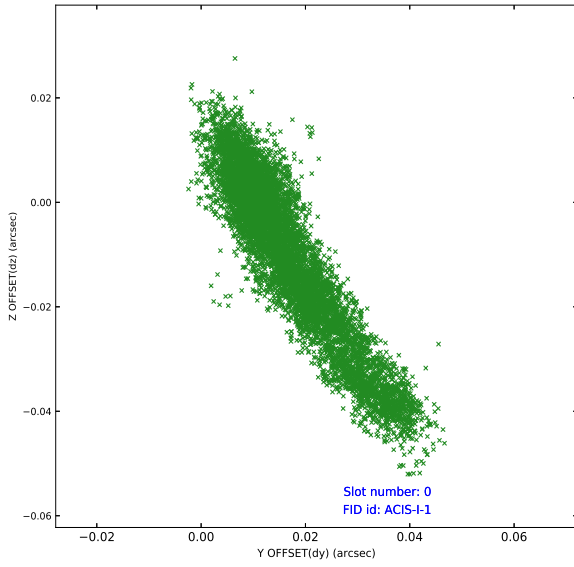


2.4.5 Slot 7

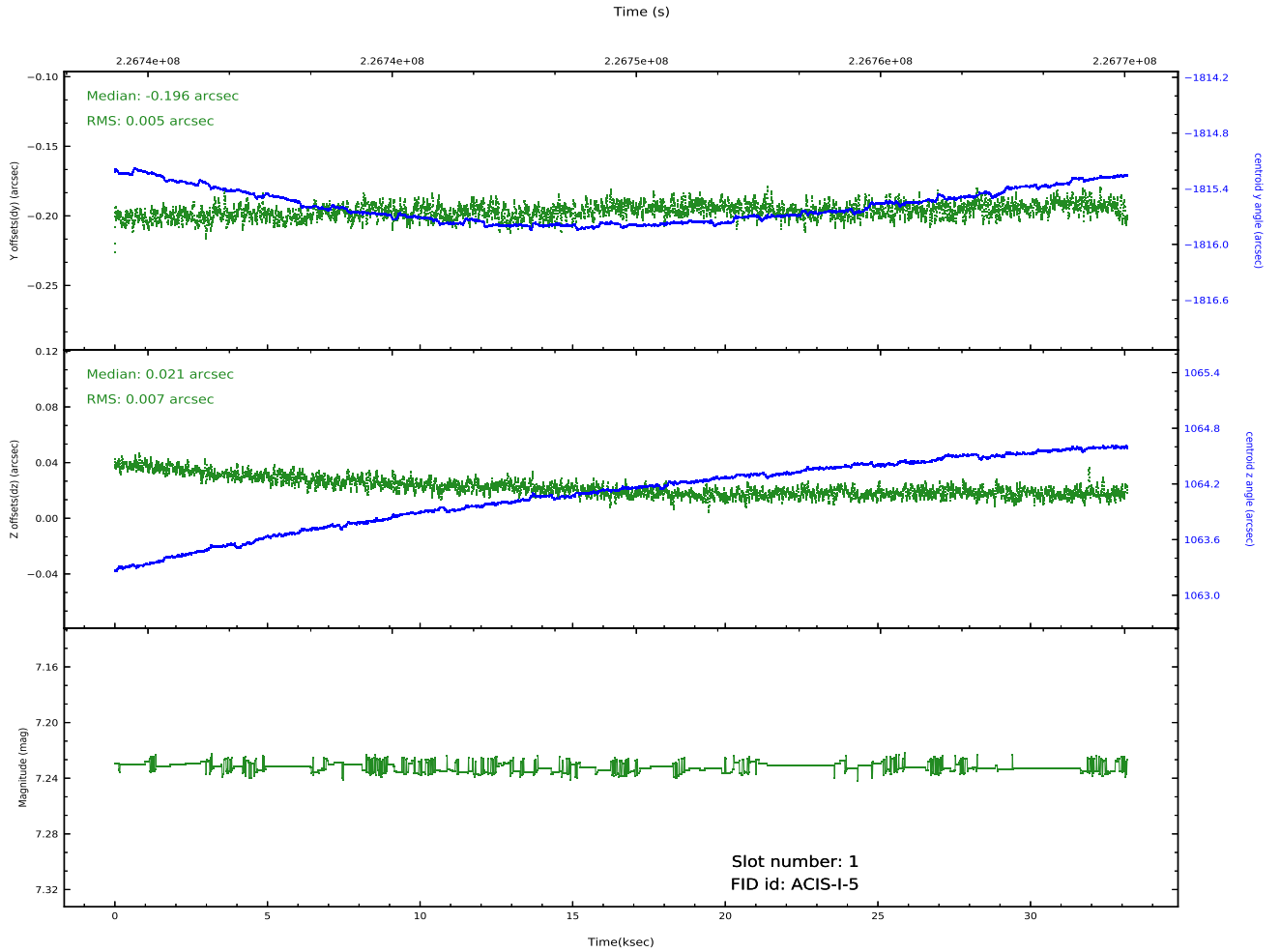
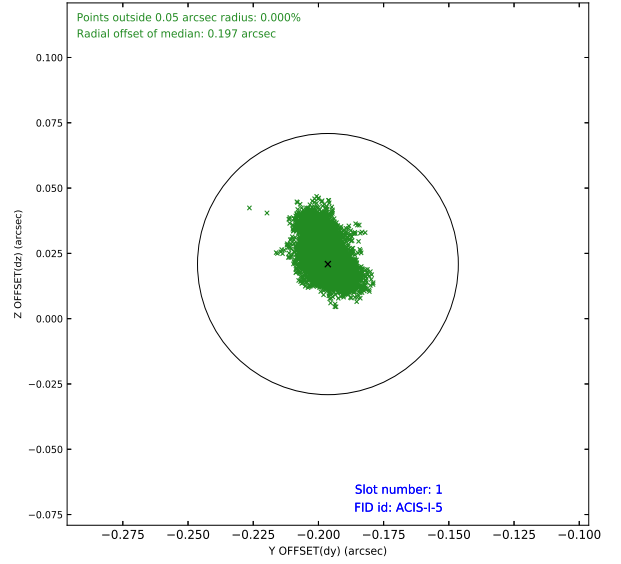
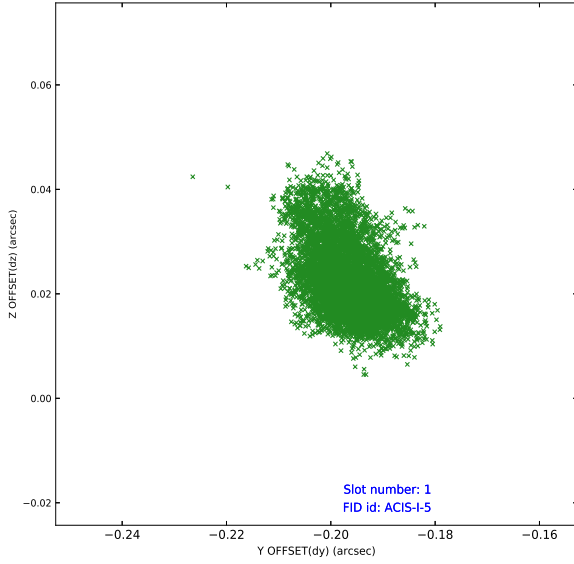


2.5 FID Slots

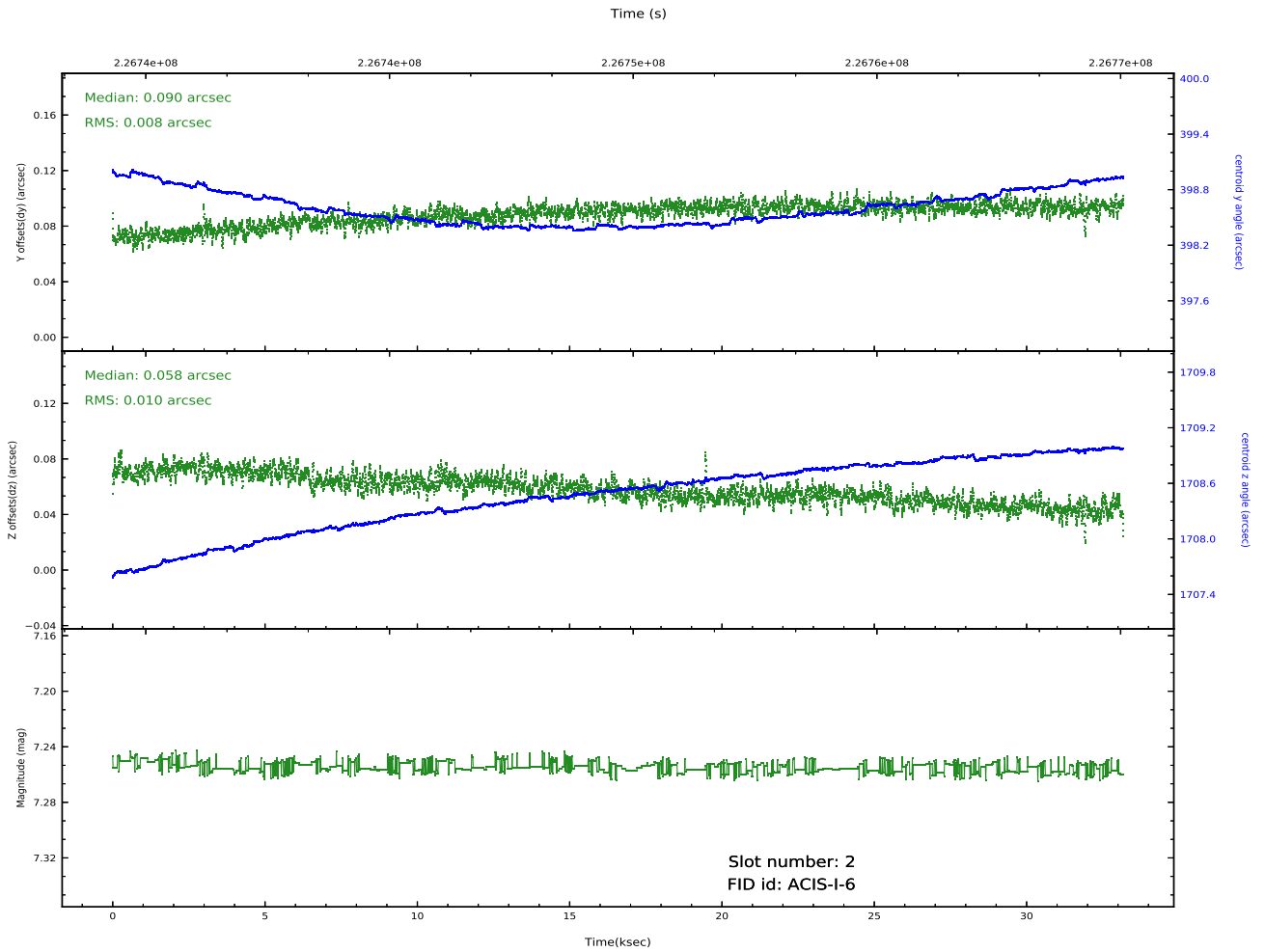
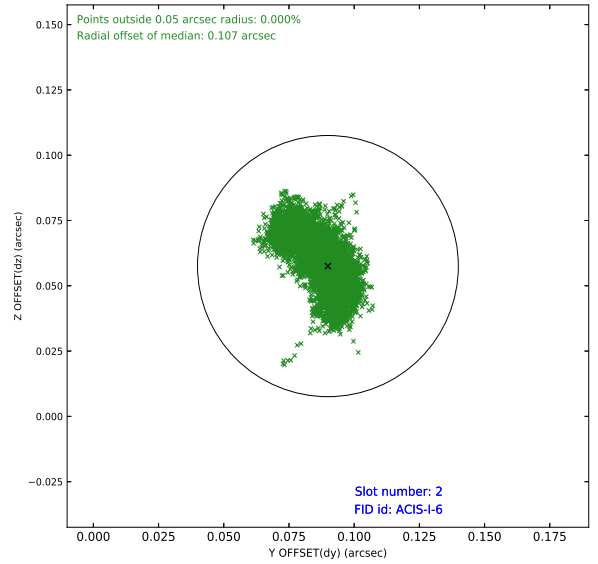
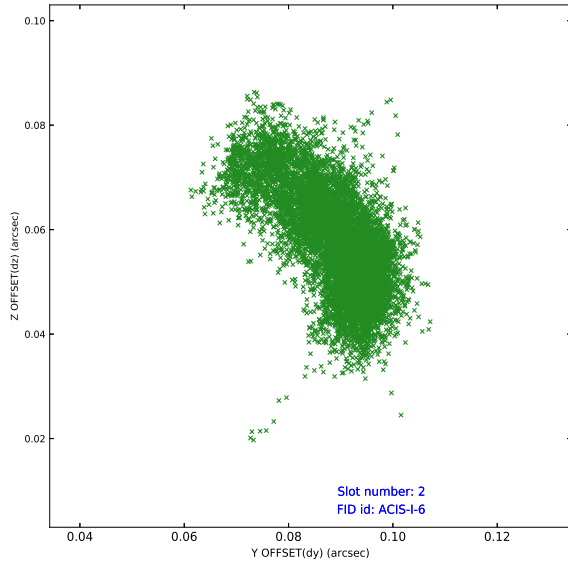
2.5.1 Slot 0



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	33.06235

A.2 Comments

Joint proposal with XMM.