

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6272 - L2 Version 4
Chandra X-Ray Center

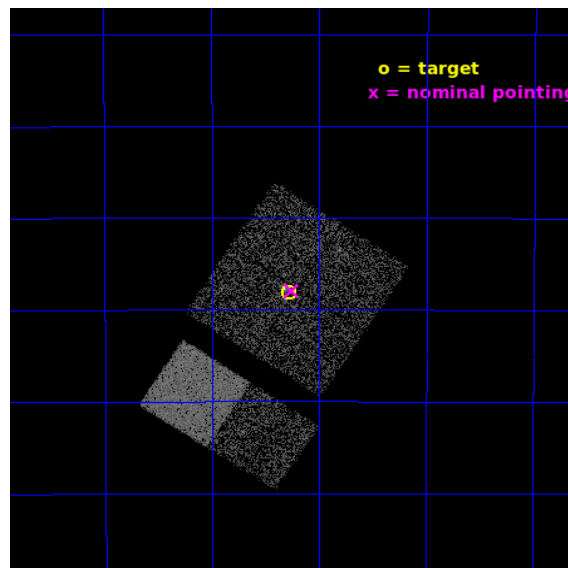
L2 Processing Date : Oct 8 2020

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1 Front

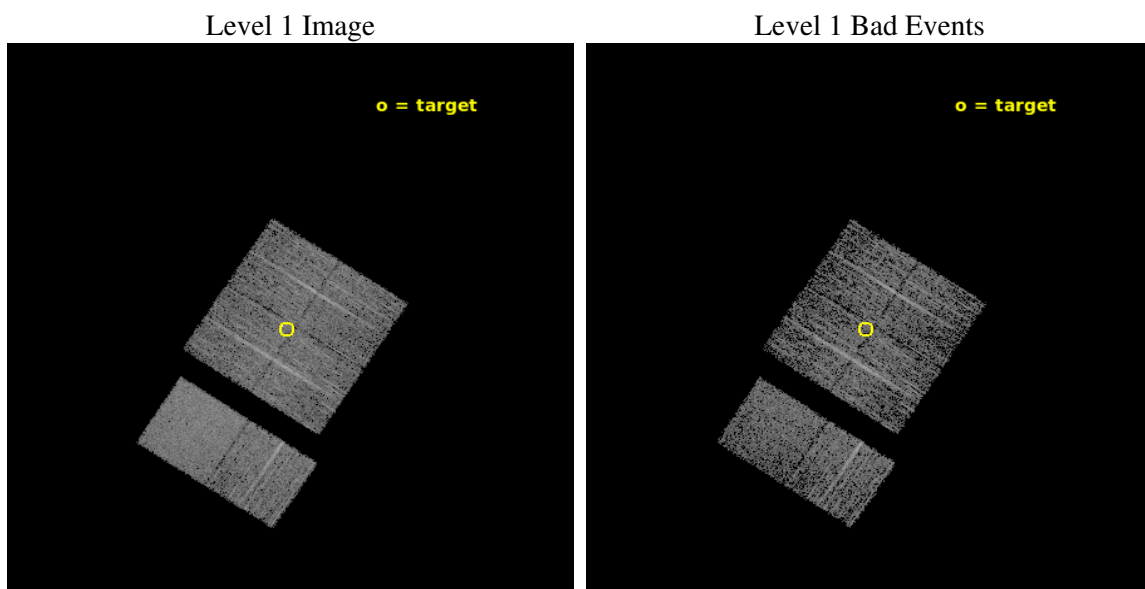
seq_num	701174	Sequence number
obs_id	6272	Observation id
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Prof. Rashid Sunyaev	Principal investigator
object	IGR J07563-4137	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	119.07	Observer's specified target RA [deg]
dec_targ	-41.635	Observer's specified target Dec [deg]
ra_nom	119.06368673099	Nominal RA [deg]
dec_nom	-41.632279836799	Nominal Dec [deg]
roll_nom	213.23476520792	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3256.8790922761	Sum of GTIs [s]
livetime	3215.6385281525	Livetime [s]
ontime0	3256.755972296	Sum of GTIs [s]
ontime1	3256.7970122695	Sum of GTIs [s]
ontime2	3256.8380522728	Sum of GTIs [s]
ontime3	3256.8790922761	Sum of GTIs [s]
ontime6	3256.9611722827	Sum of GTIs [s]
ontime7	3256.9201322794	Sum of GTIs [s]
l2events	27111	Number of level 2 events



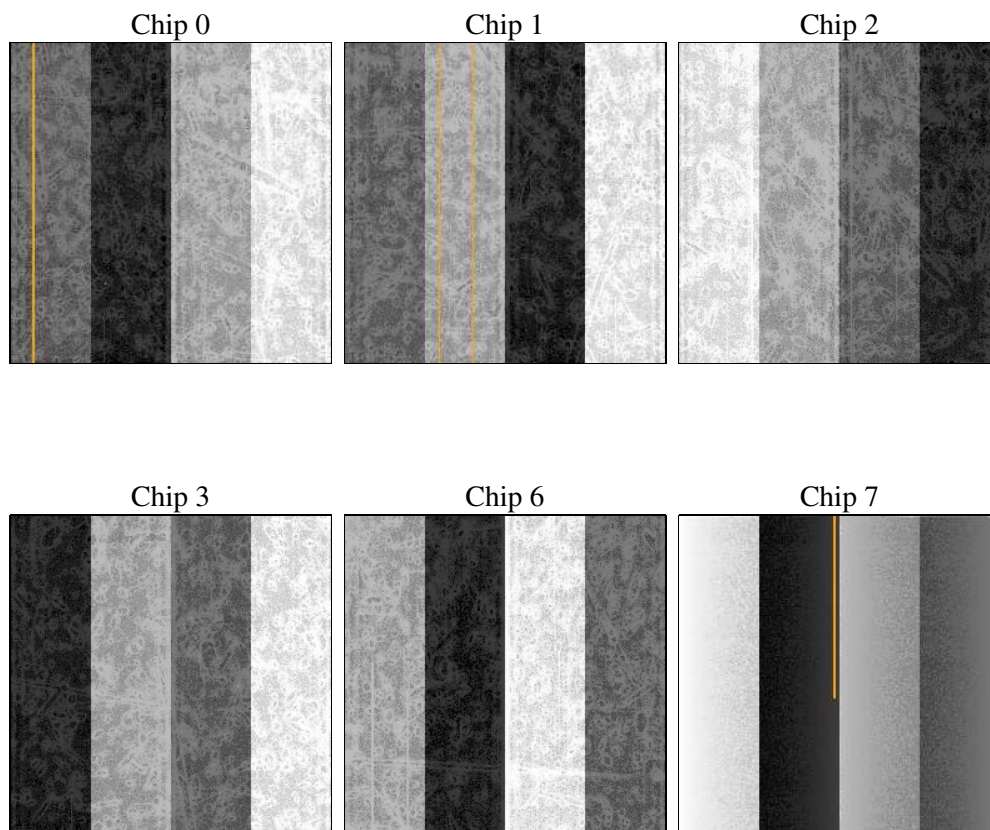
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3256.8790922761	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	3256.755972296	Sum of GTIs [s]
date	2020-10-09T00:45:38	Date and time of file creation	ontime1	3256.7970122695	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3256.8380522728	Sum of GTIs [s]
			ontime3	3256.8790922761	Sum of GTIs [s]
			ontime6	3256.9611722827	Sum of GTIs [s]
			ontime7	3256.9201322794	Sum of GTIs [s]
			l1events	153480	Number of level 1 events

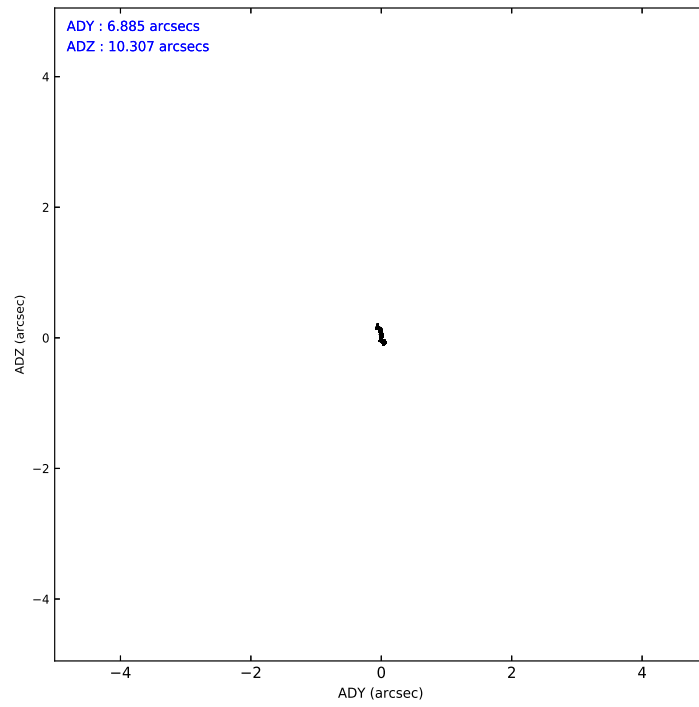
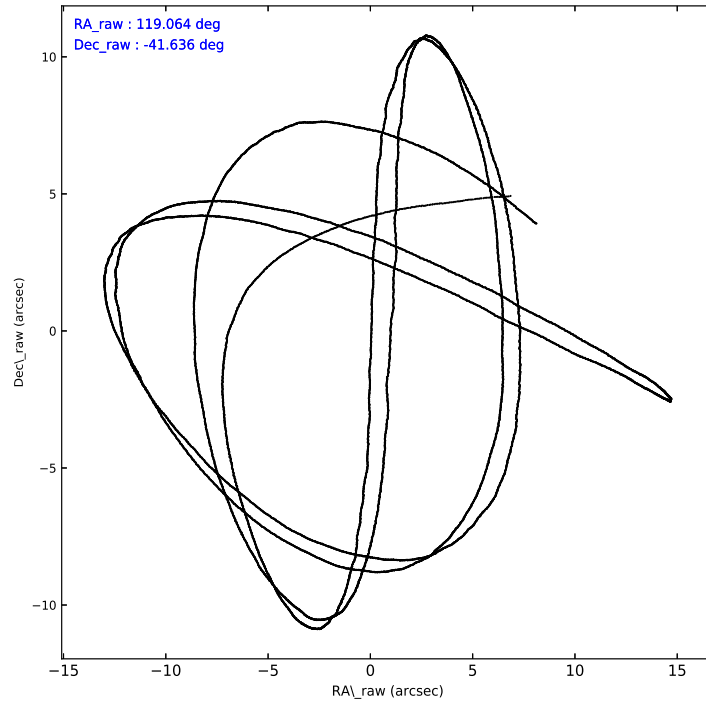
2.1.4 Events

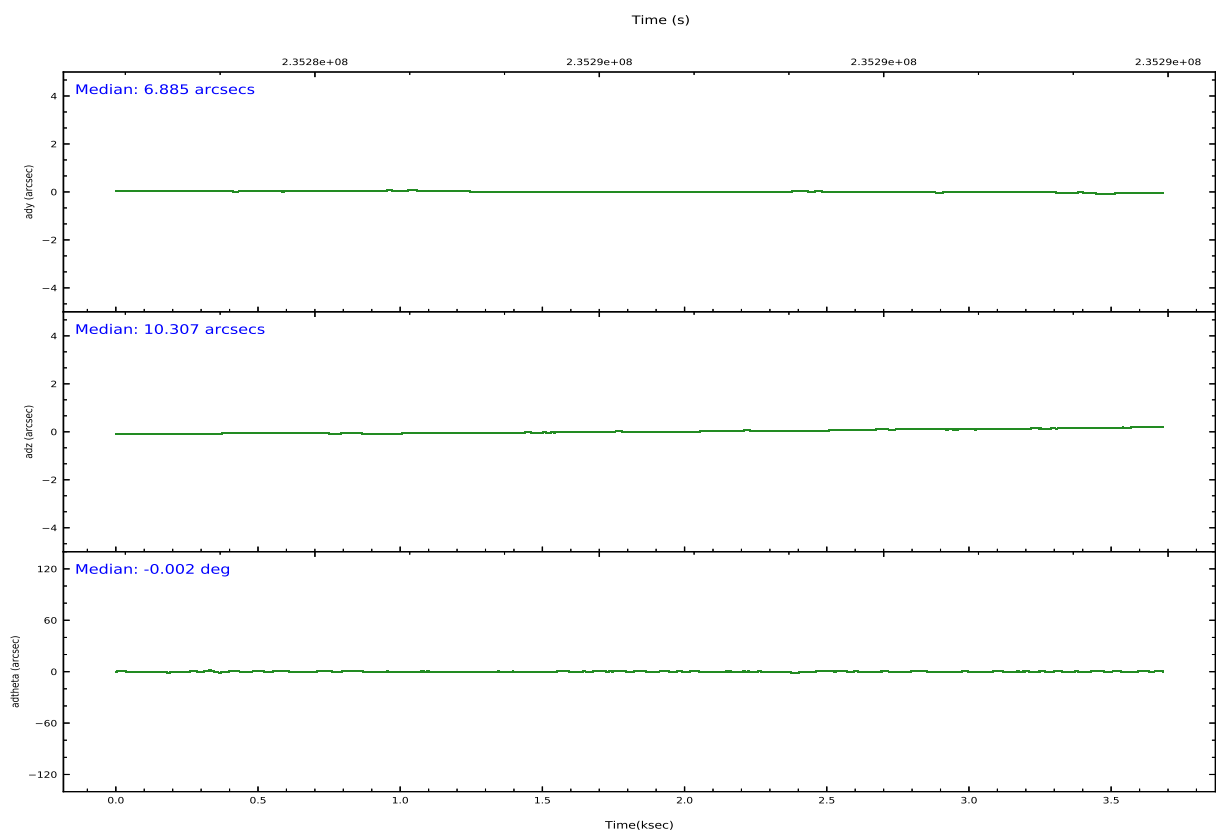
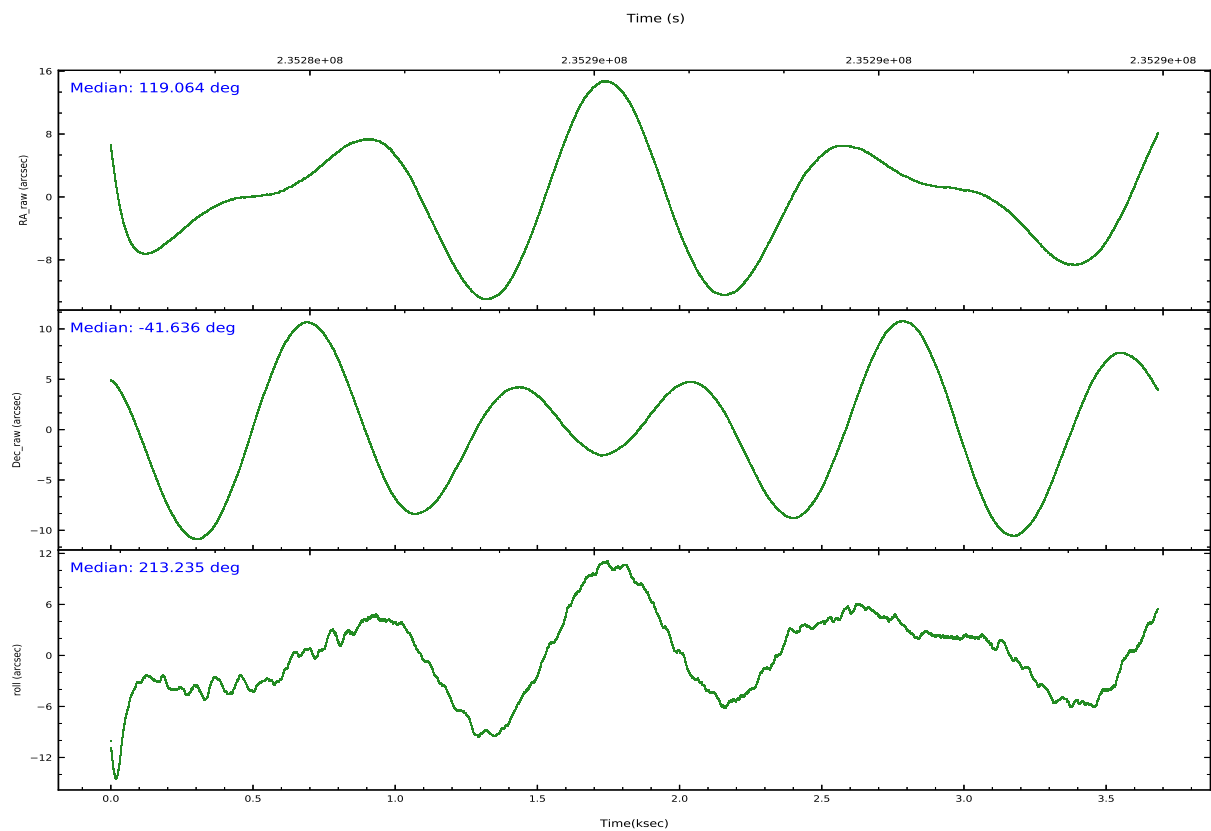
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	22312	23083	25707	24451	25290	32637	grade 0 events	1344	1392	1302	1771	1158	1214
rejected events	19270	19783	22770	20666	22387	19007		6%	6%	5%	7%	4%	3%
rejected %	86%	85%	88%	84%	88%	58%	grade 1 events	15	9	11	106	7	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	646	661	619	702	610	2750
								2%	2%	2%	2%	2%	8%
							grade 3 events	269	337	266	374	271	1219
								1%	1%	1%	1%	1%	3%
							grade 4 events	231	300	274	325	273	1188
								1%	1%	1%	1%	1%	3%
							grade 5 events	991	1052	979	1119	1113	3173
								4%	4%	3%	4%	4%	9%
							grade 6 events	554	614	480	619	594	7272
								2%	2%	1%	2%	2%	22%
							grade 7 events	18262	18718	21776	19435	21264	15791
								81%	81%	84%	79%	84%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	119.080262	119.06368673099	Subarray requested	NONE	NONE
[deg] Pointing Dec	-41.611331	-41.632279836799	Alternating exposures requested	N	N
[deg] Pointing Roll	213.039472	213.23476520792	[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)	235284483.184000	235283655.21351			
Observation start date	2005-06-16T04:46:59	2005-06-16T04:34:15			
[s] Observation end time (MET)	235287983.184000	235288605.96374			
Observation end date	2005-06-16T05:45:19	2005-06-16T05:56:45			
Read mode	TIMED	TIMED			

2.3 Aspect



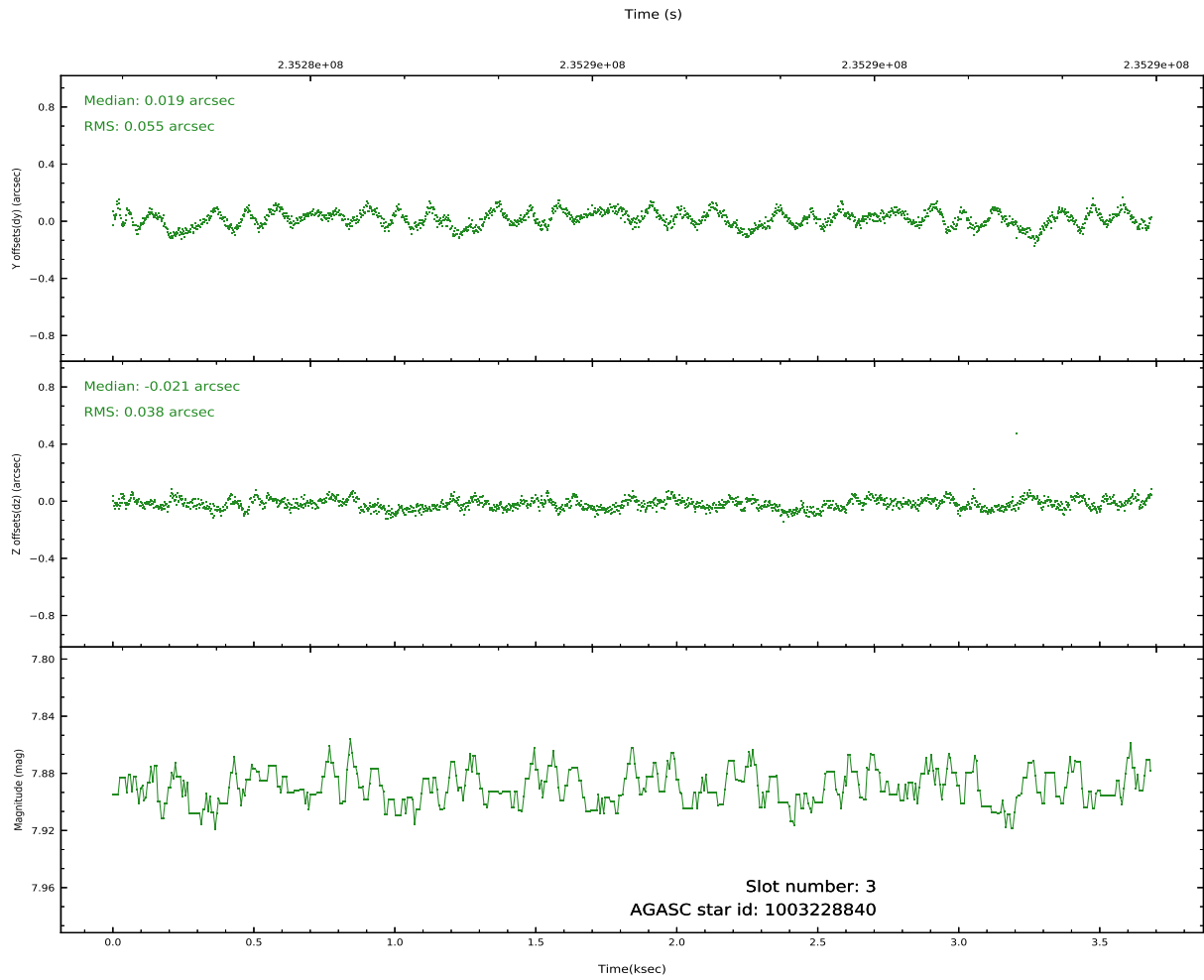
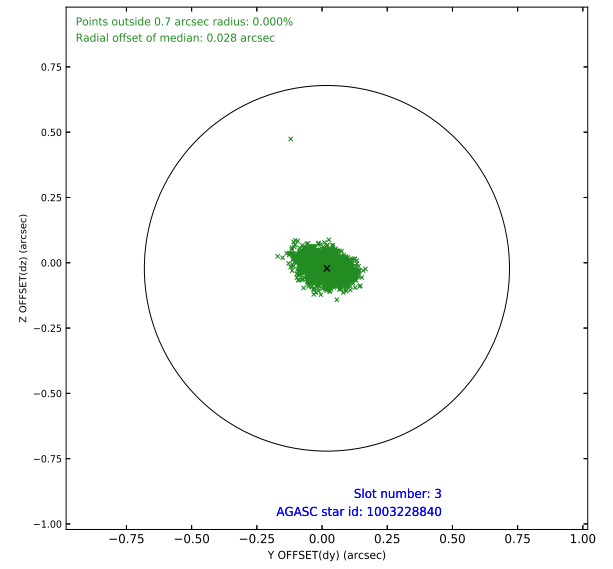
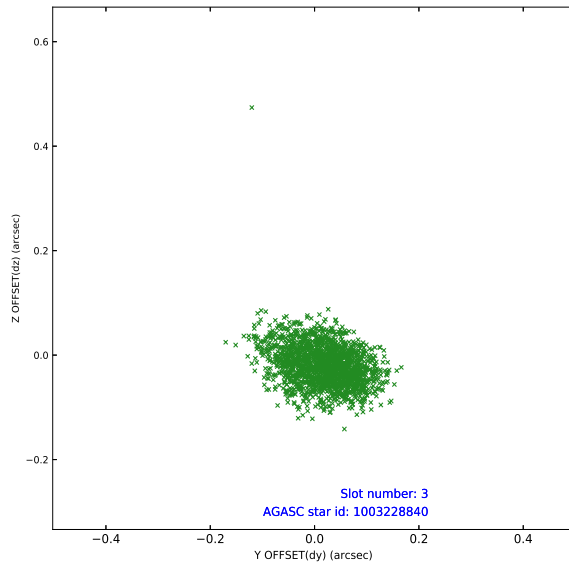


Slot Statistics

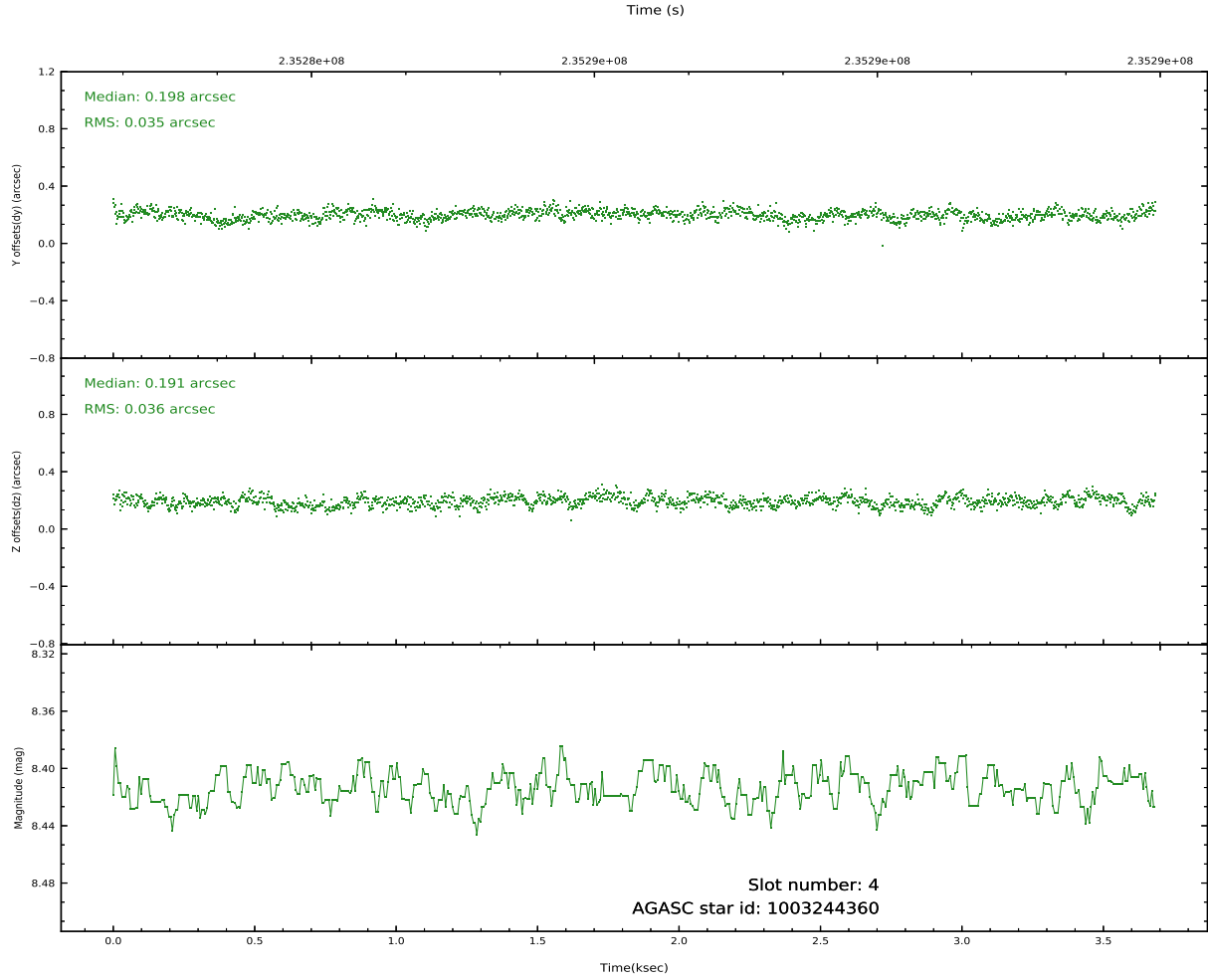
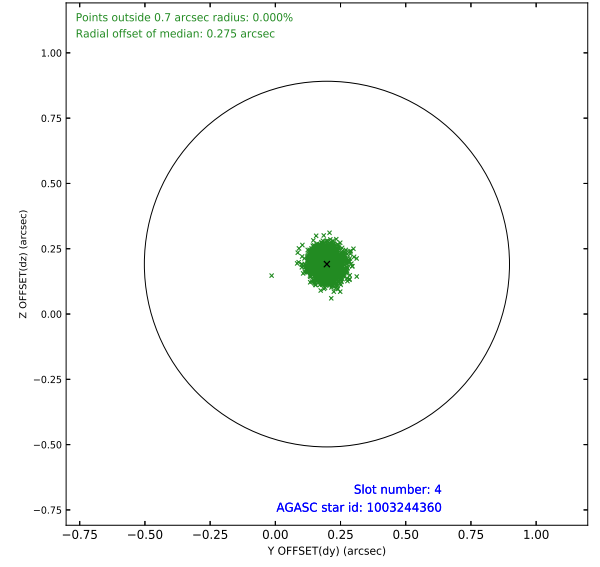
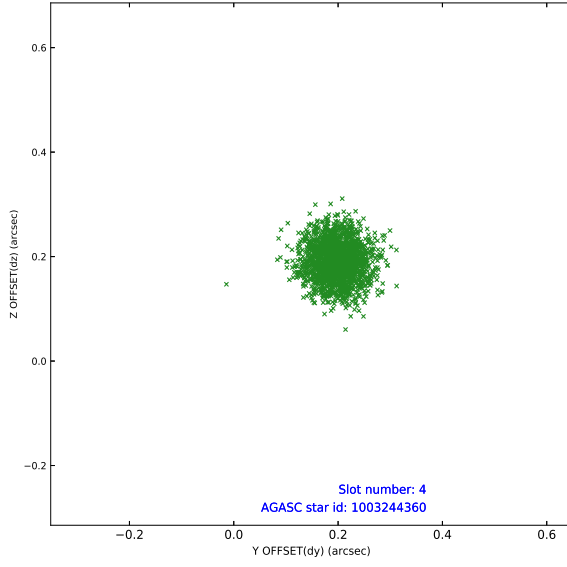
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.25	899	1.000	-0.026	-0.018	0.012	0.020	0.000000	0.000000	932.78	-833
1	FID		ACIS-I-4	7.18	899	1.000	0.163	0.049	0.009	0.015	0.000000	0.000000	2153.95	1065
2	FID		ACIS-I-5	7.22	899	1.000	-0.235	0.040	0.008	0.013	0.000000	0.000000	-1813.25	1064
3	GUIDE	used	1003228840	7.89	1798	1.000	0.019	-0.021	0.070	0.115	119.863328	-41.940032	-1108.18	2143
4	GUIDE	used	1003244360	8.41	1798	1.000	0.198	0.191	0.053	0.083	118.857348	-42.452001	2145.86	2216
5	GUIDE	used	1003251408	8.95	1798	1.000	-0.076	-0.086	0.117	0.176	118.748493	-41.390637	319.69	-1151
6	GUIDE	used	1003253488	6.92	1798	1.000	-0.072	-0.139	0.059	0.096	119.446377	-41.535748	-974.58	311
7	GUIDE	used	1004966064	9.01	1797	1.000	-0.054	0.054	0.092	0.151	120.241984	-41.792124	-2248.86	2263

2.4 Star Slots

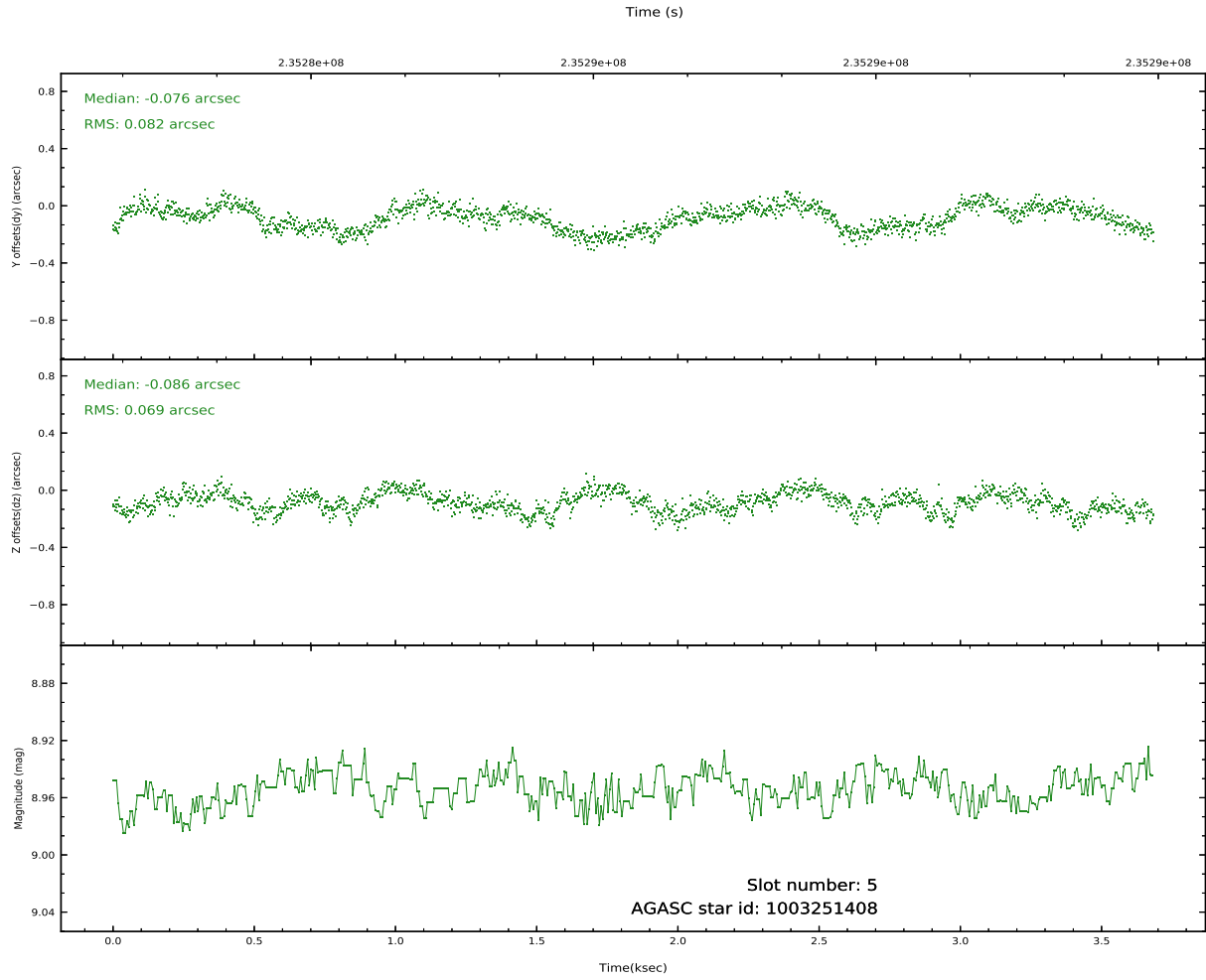
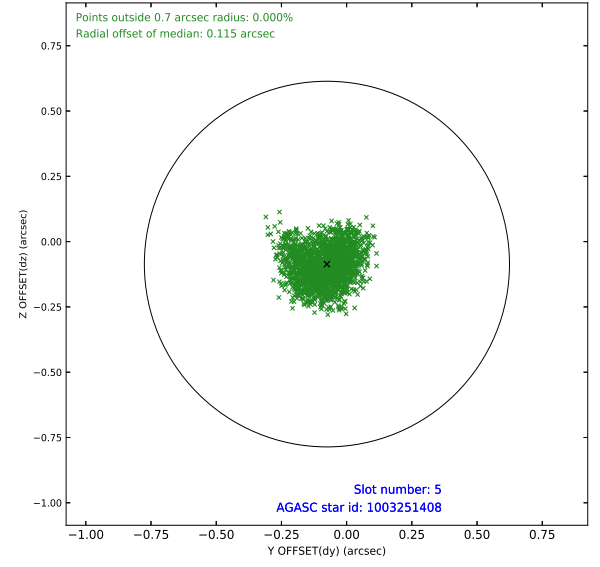
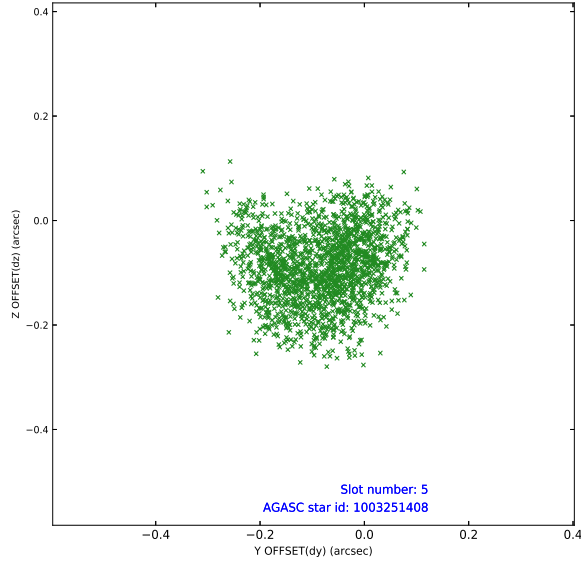
2.4.1 Slot 3



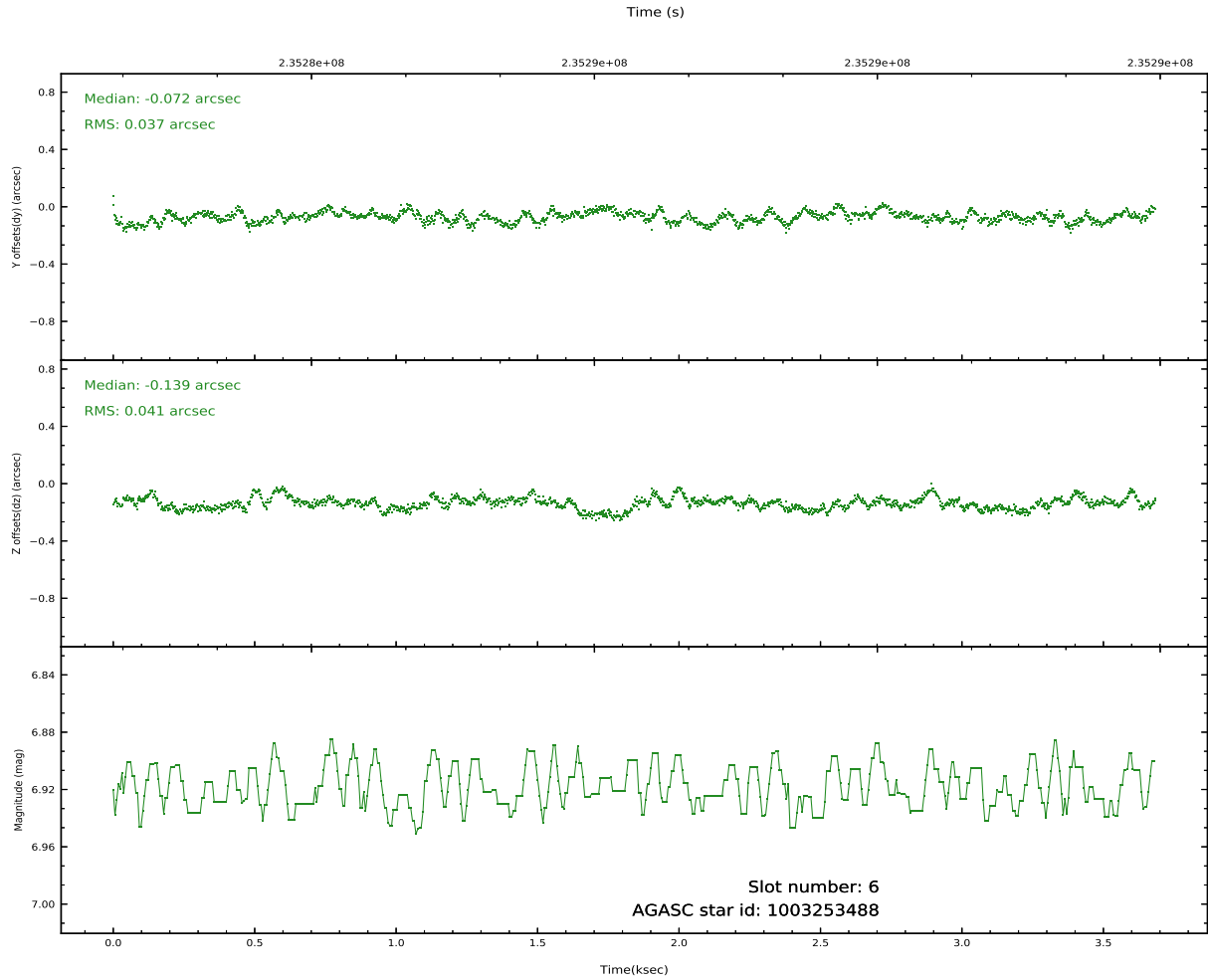
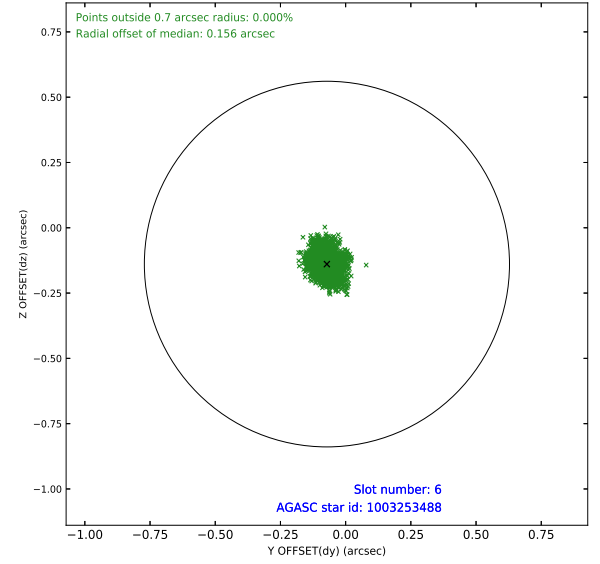
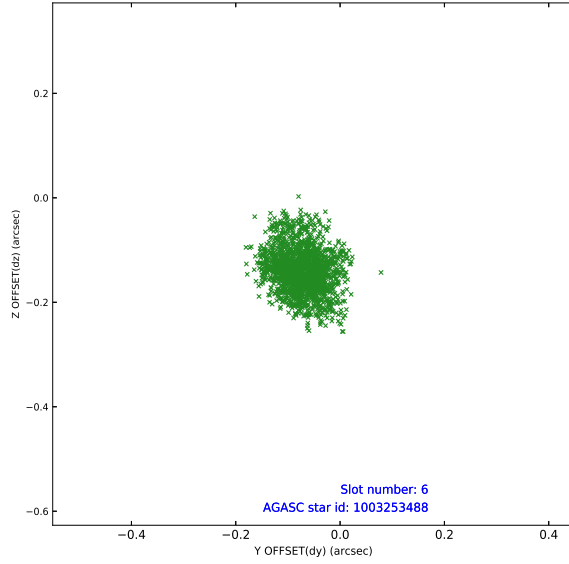
2.4.2 Slot 4



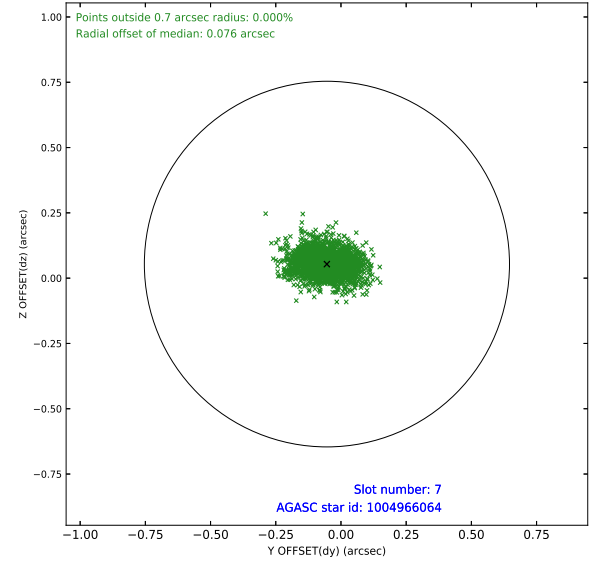
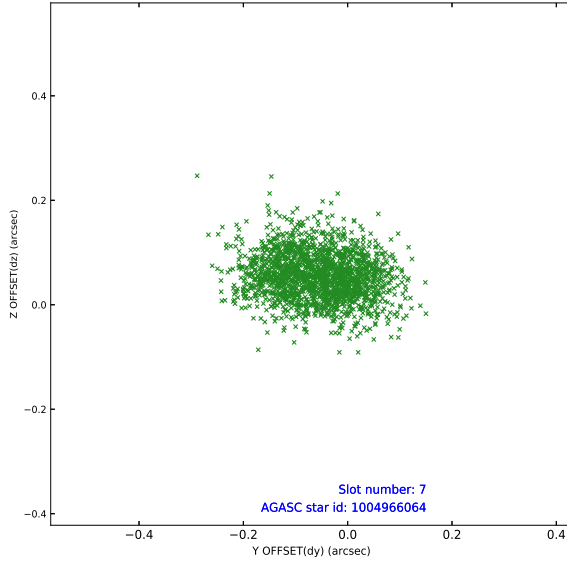
2.4.3 Slot 5



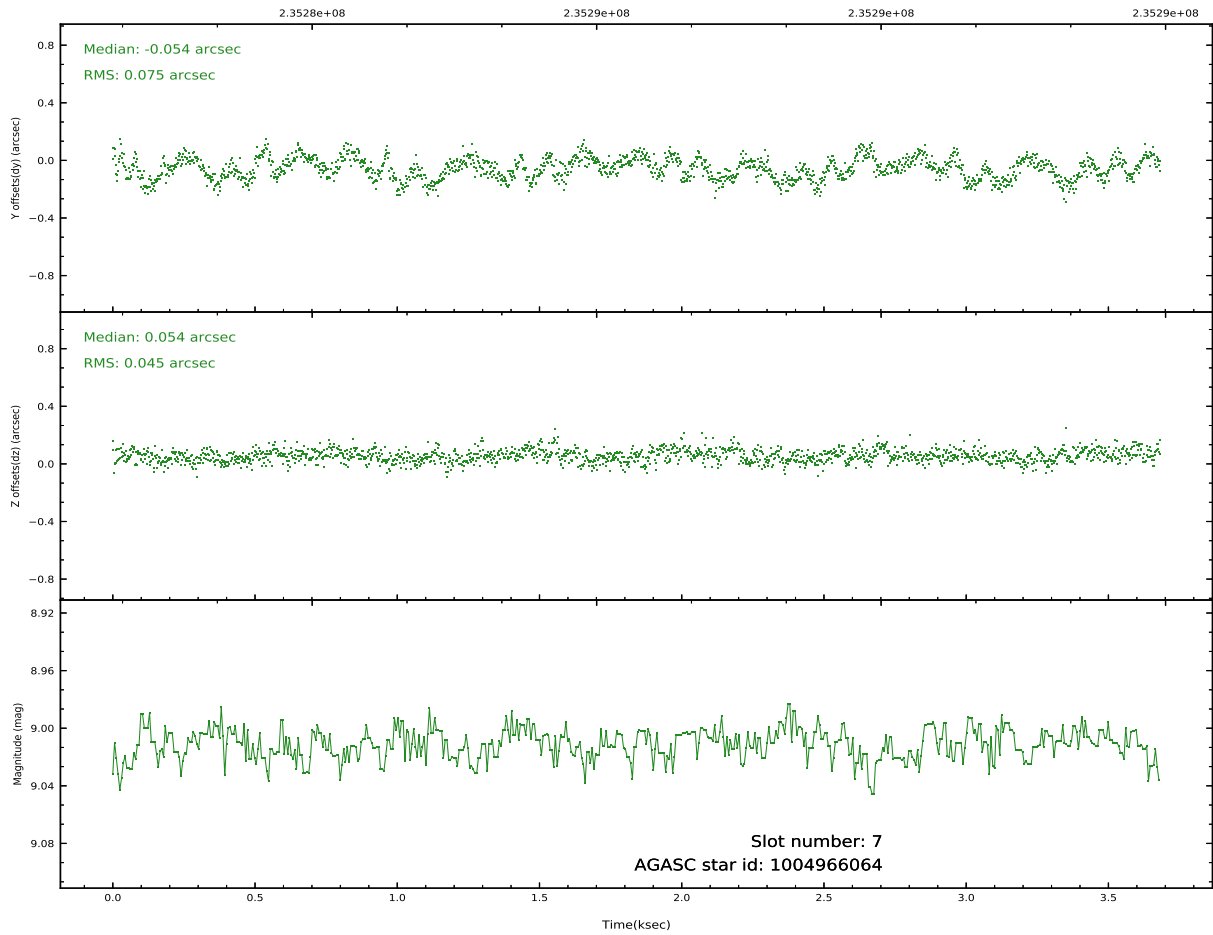
2.4.4 Slot 6



2.4.5 Slot 7

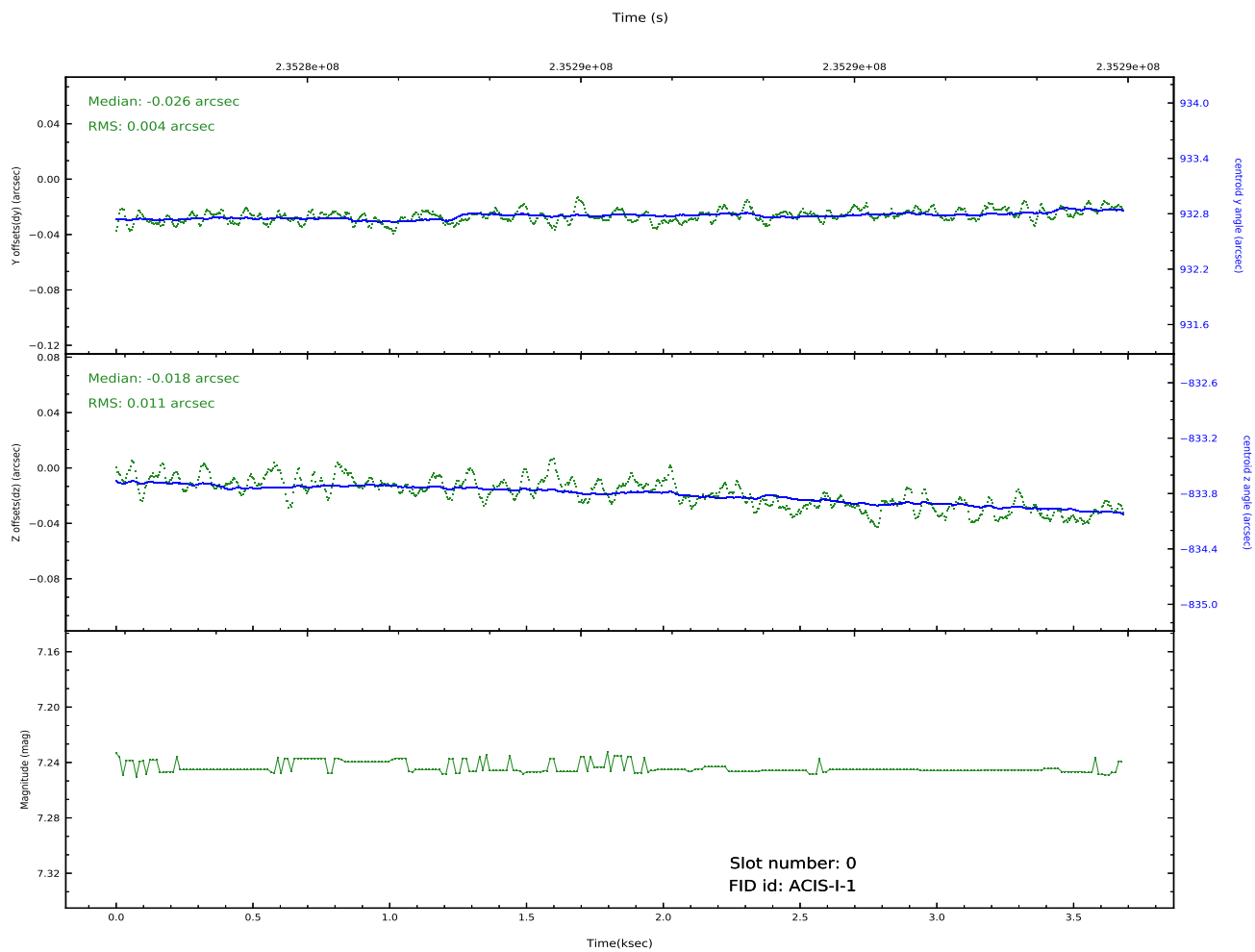
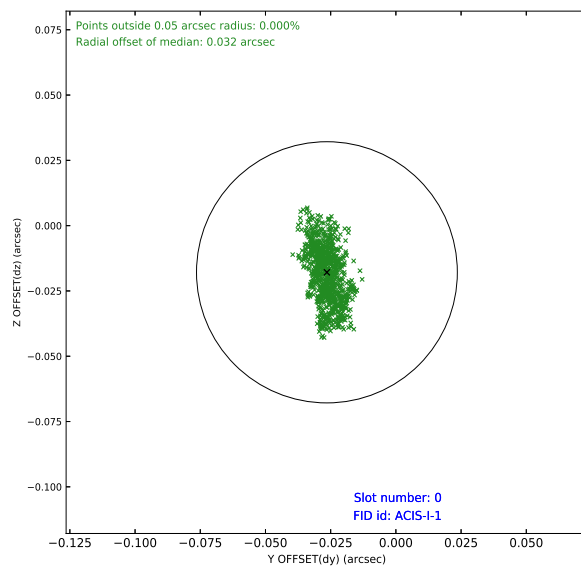
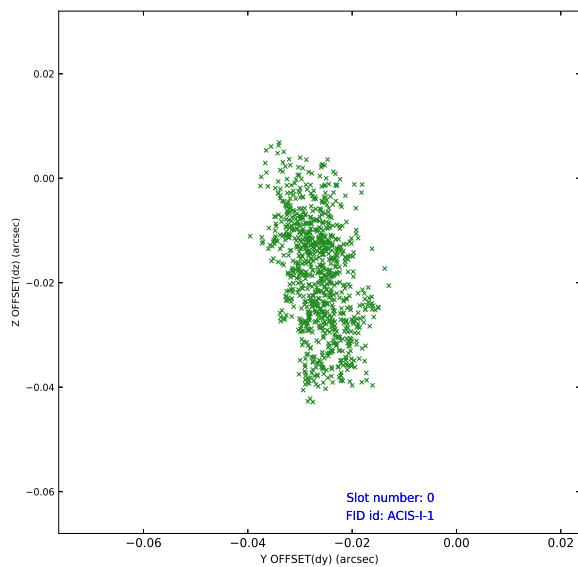


Time (s)

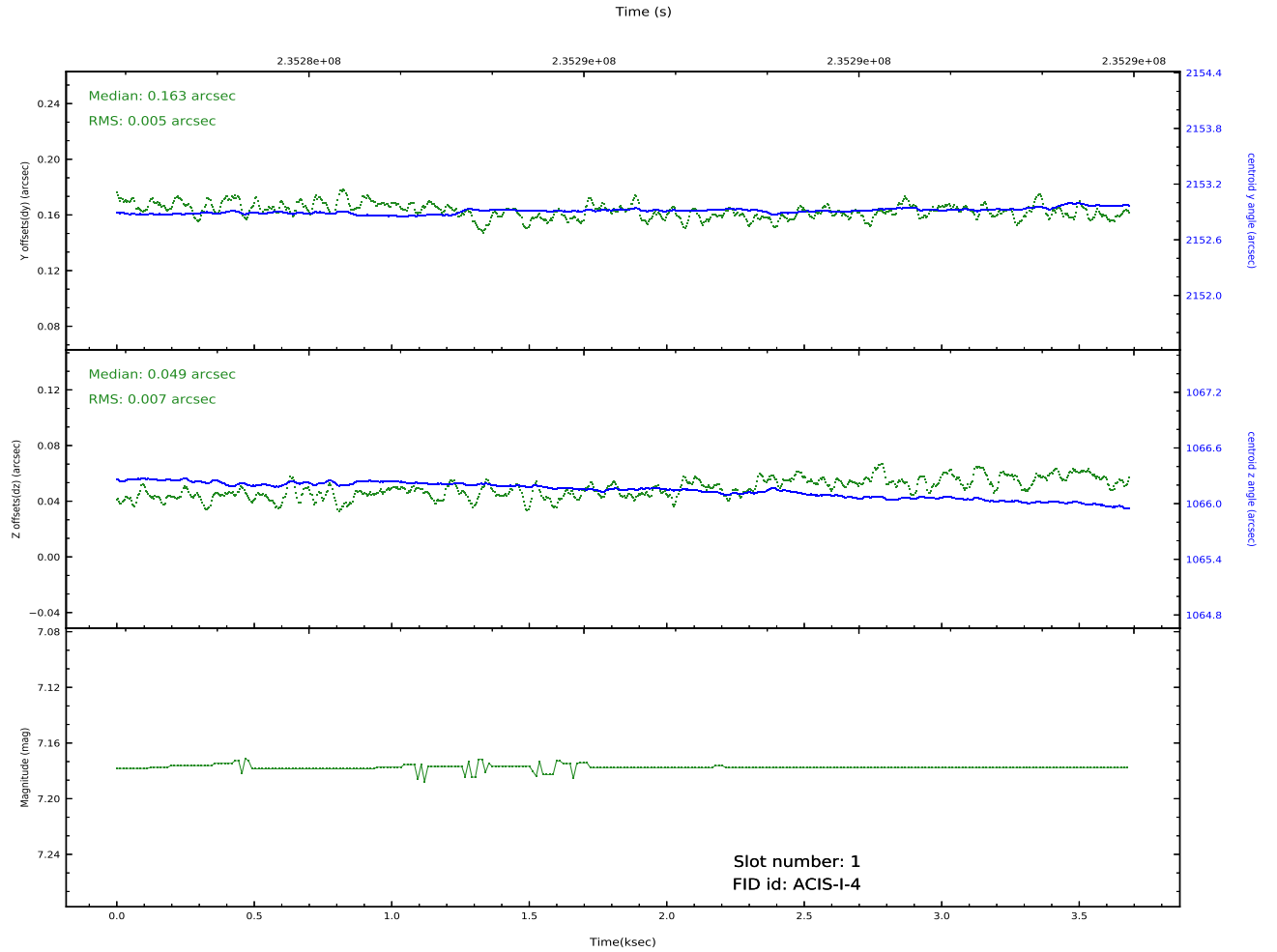
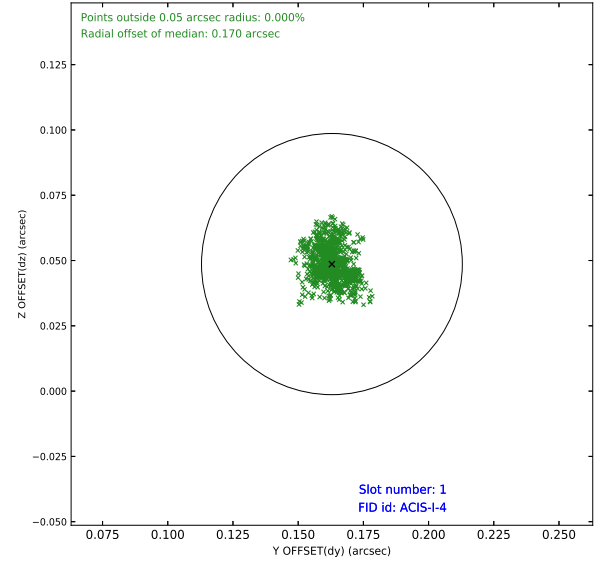
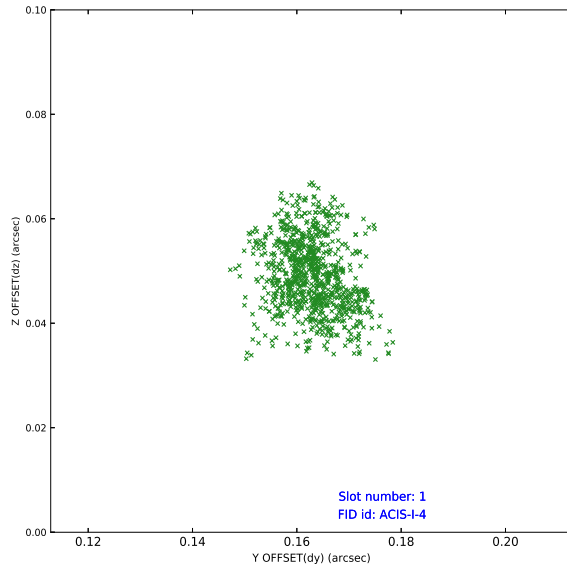


2.5 FID Slots

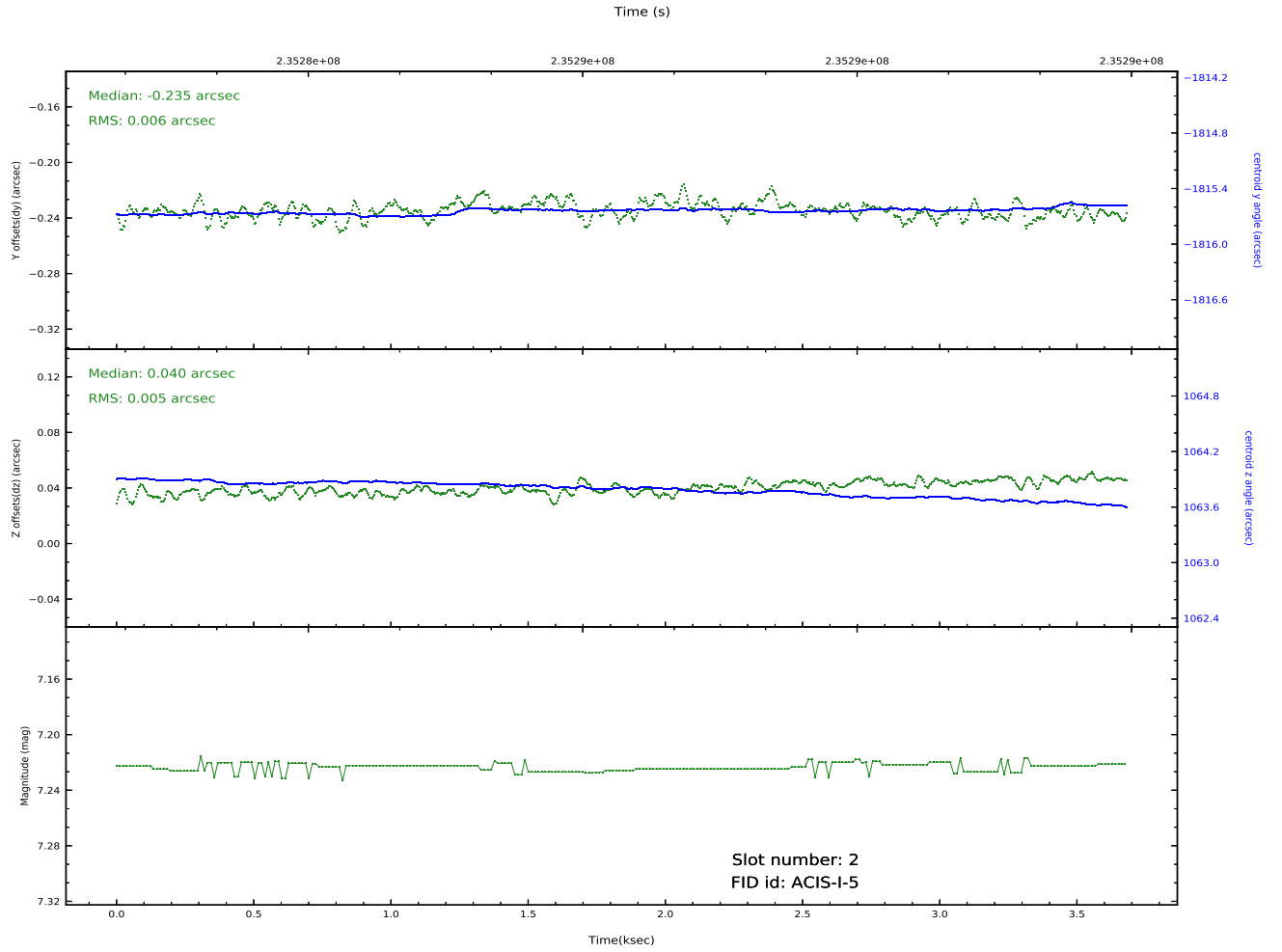
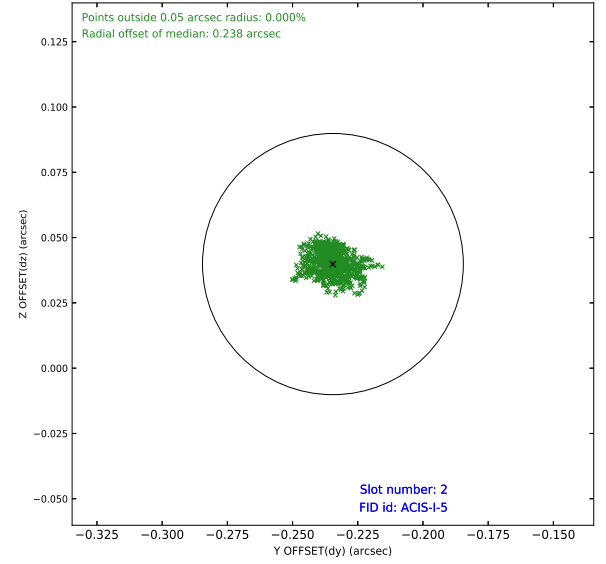
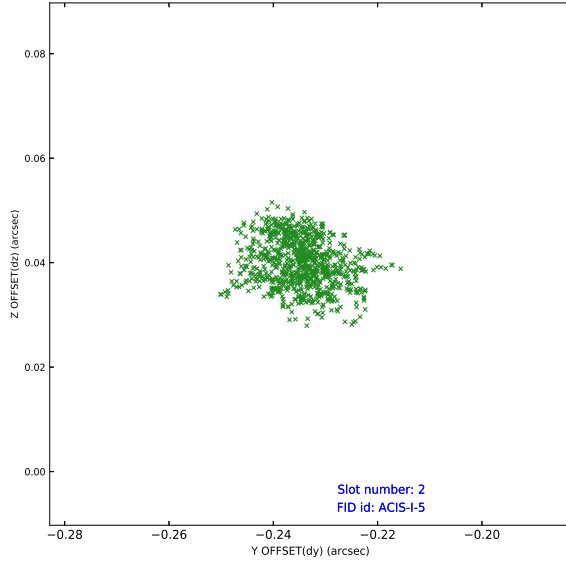
2.5.1 Slot 0



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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.257599

A.2 Comments