

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6311 - L2 Version 4
Chandra X-Ray Center

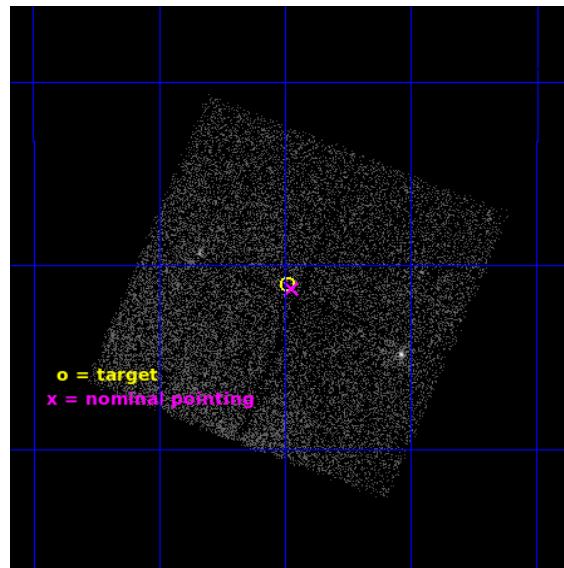
L2 Processing Date : Oct 9 2020

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1 Front

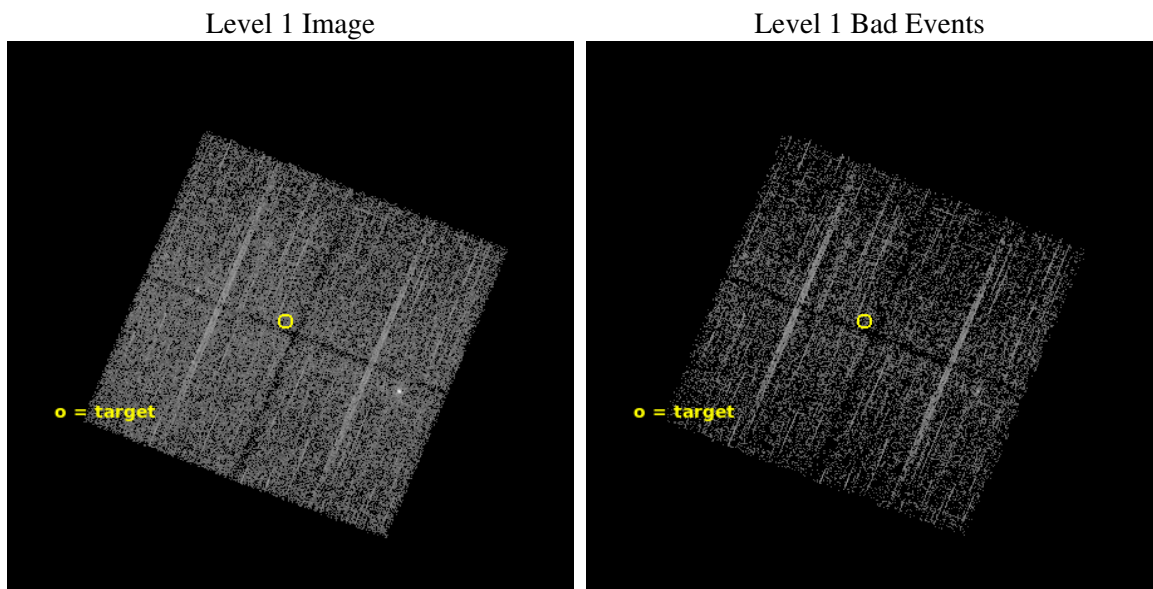
seq_num	400449	Sequence number
obs_id	6311	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Rudy Wijnands	Principal investigator
object	GRS 1741.9-2853 and XMM J174457-2850.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.372083	Observer's specified target RA [deg]
dec_targ	-28.850833	Observer's specified target Dec [deg]
ra_nom	266.36802783487	Nominal RA [deg]
dec_nom	-28.854593439832	Nominal Dec [deg]
roll_nom	292.13593917996	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4060.999992162	Sum of GTIs [s]
livetime	4007.9400375997	Livetime [s]
ontime0	4060.999992162	Sum of GTIs [s]
ontime1	4060.999992162	Sum of GTIs [s]
ontime2	4060.999992162	Sum of GTIs [s]
ontime3	4060.999992162	Sum of GTIs [s]
l2events	25077	Number of level 2 events



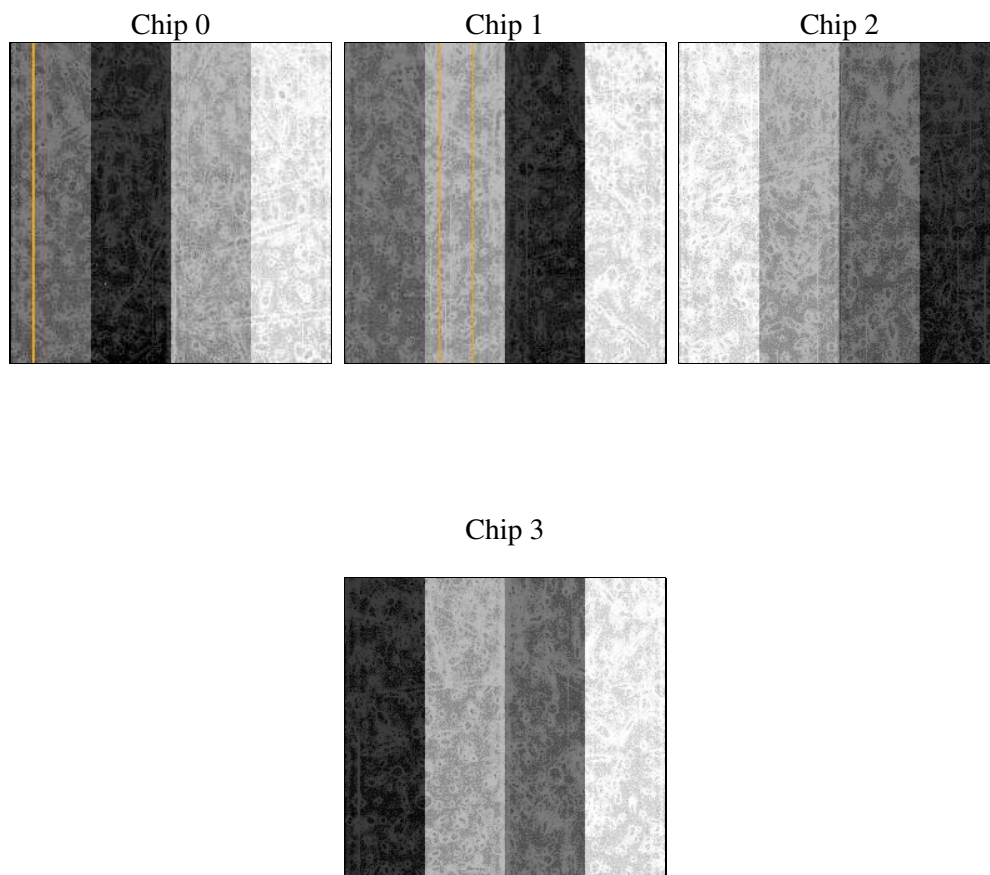
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4060.999992162	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	4060.999992162	Sum of GTIs [s]
date	2020-10-09T07:55:33	Date and time of file creation	ontime1	4060.999992162	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4060.999992162	Sum of GTIs [s]
			ontime3	4060.999992162	Sum of GTIs [s]
			l1events	140605	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	34860	32168	37763	35814
rejected events	26807	26687	29150	29895
rejected %	76%	82%	77%	83%

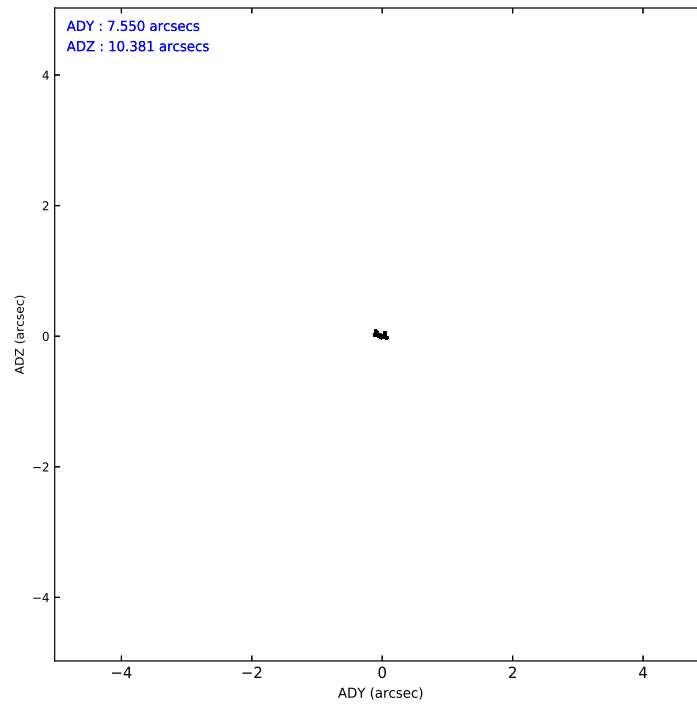
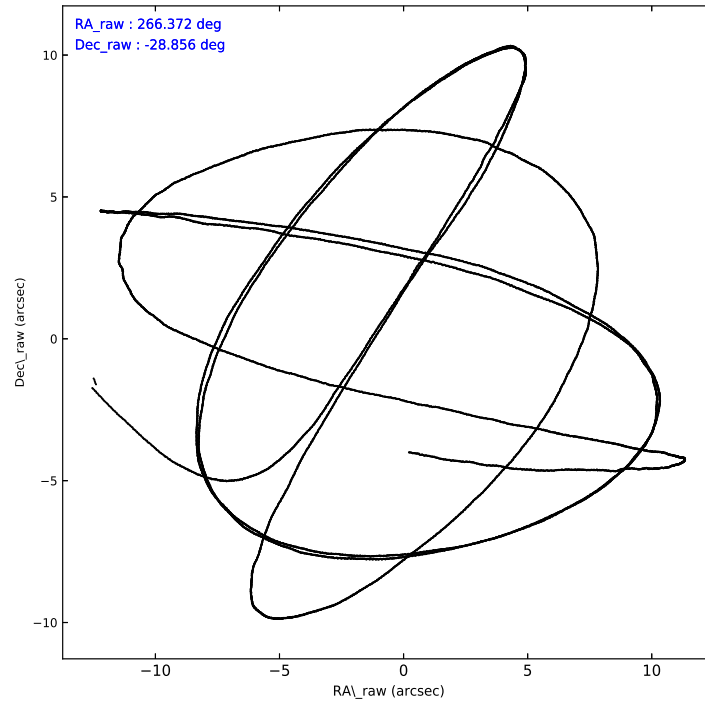
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4654	2662	5297	3279
	13%	8%	14%	9%
grade 1 events	60	23	41	34
	0%	0%	0%	0%
grade 2 events	1523	1175	1486	1080
	4%	3%	3%	3%
grade 3 events	579	491	651	474
	1%	1%	1%	1%
grade 4 events	595	454	598	495
	1%	1%	1%	1%
grade 5 events	1427	1429	1336	1590
	4%	4%	3%	4%
grade 6 events	1028	961	987	841
	2%	2%	2%	2%
grade 7 events	24994	24973	27367	28021
	71%	77%	72%	78%

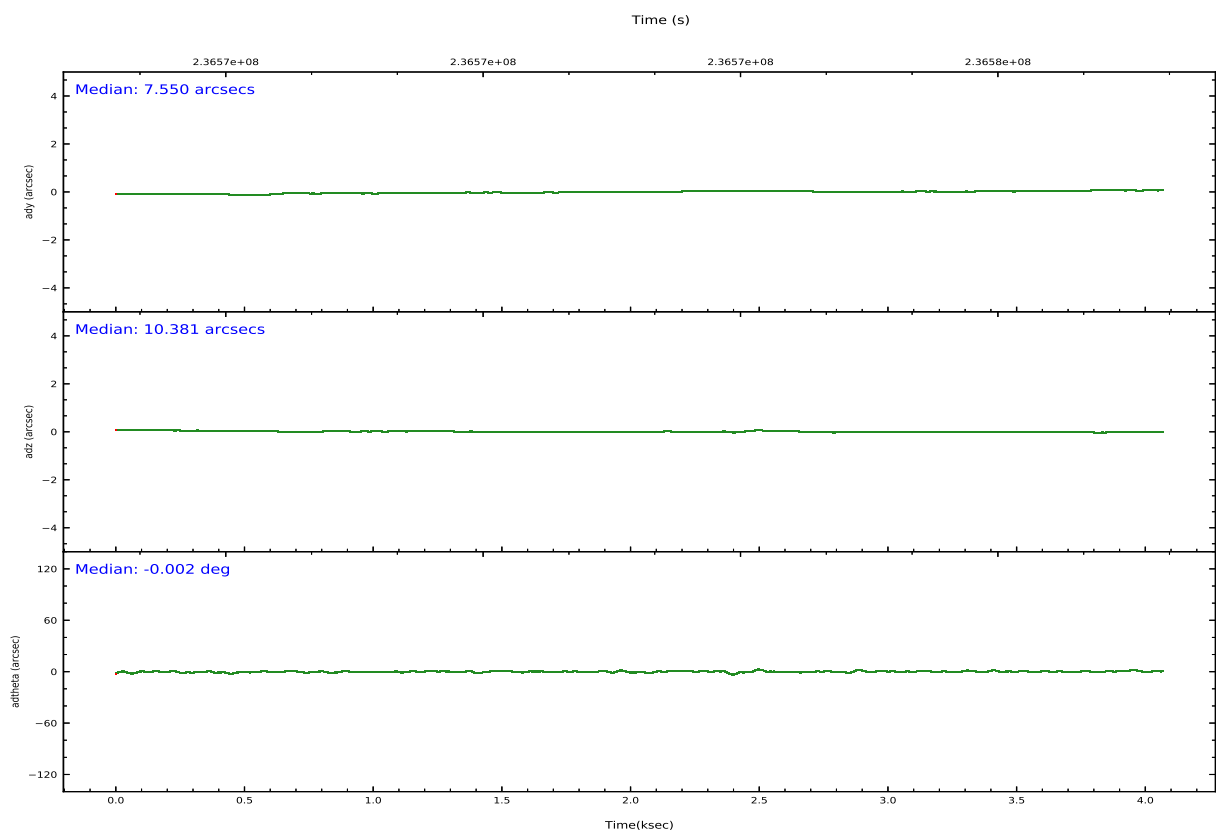
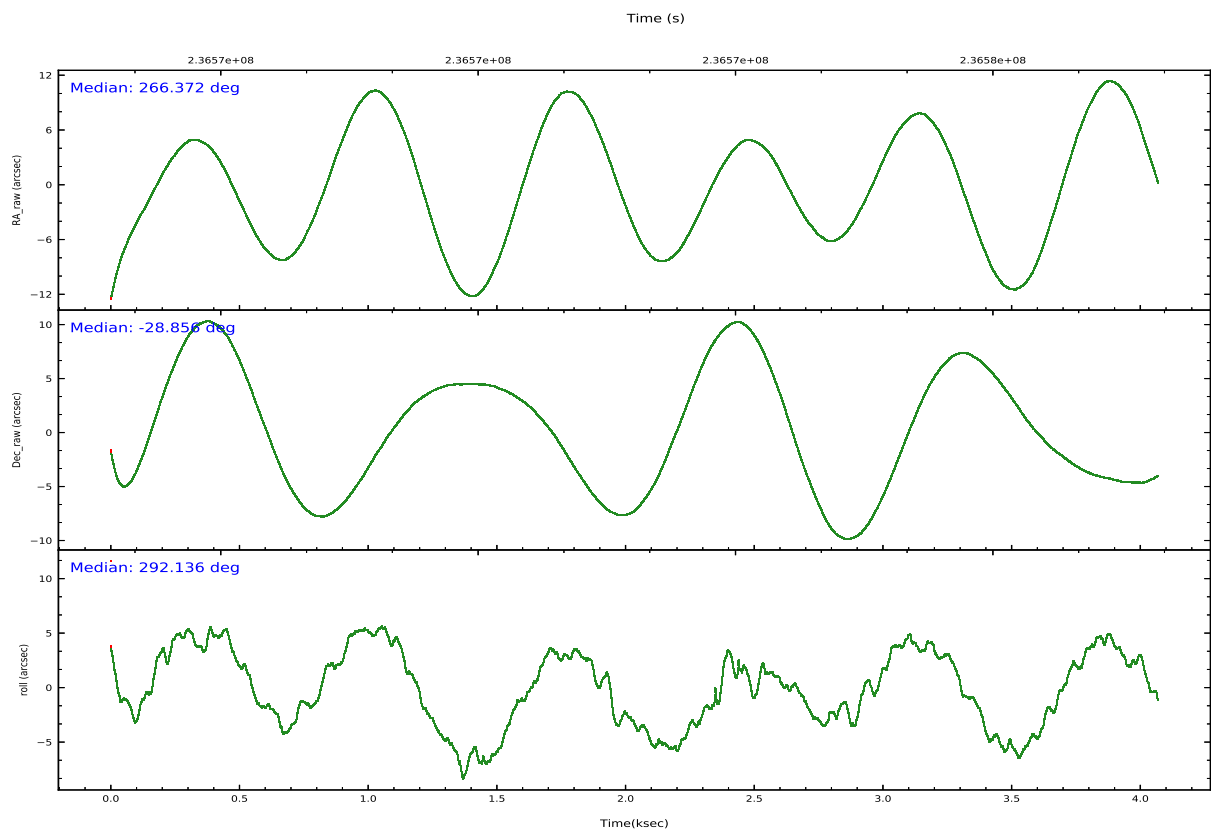
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-0123	ACIS-0123
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	266.347248	266.36802783487
[deg] Pointing Dec	-28.838747	-28.854593439832
[deg] Pointing Roll	291.916805	292.13593917996
[s] Window start time (MET)	236217664.184000	236217664.184000
[s] Window stop time (MET)	236822464.184000	236822464.184000
[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)	236571742.184000	236570726.7598
Observation start date	2005-07-01T02:21:18	2005-07-01T02:05:26
[s] Observation end time (MET)	236575642.184000	236576492.38507
Observation end date	2005-07-01T03:26:18	2005-07-01T03:41:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



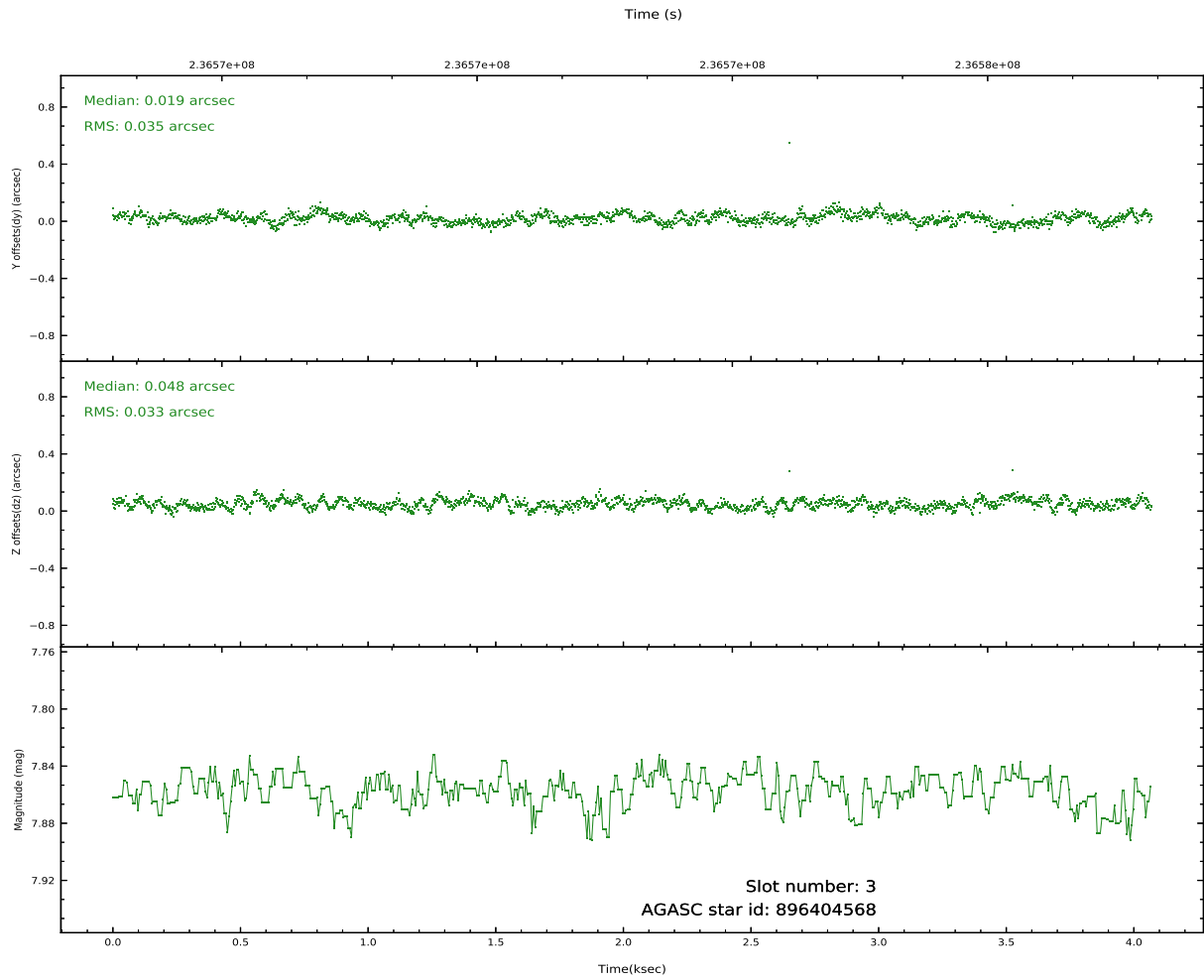
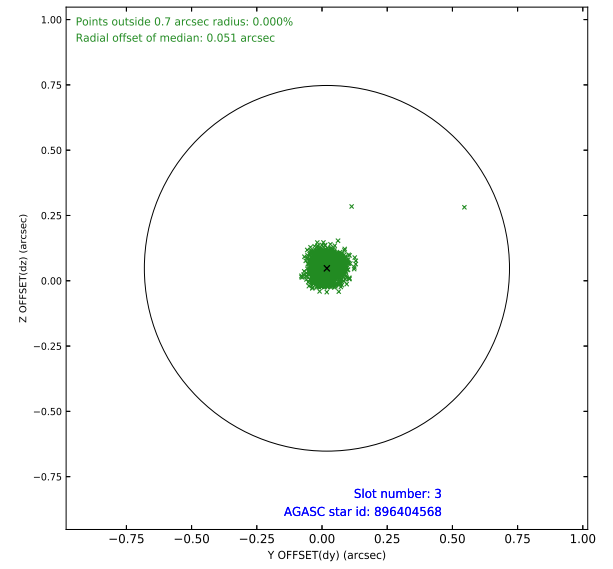
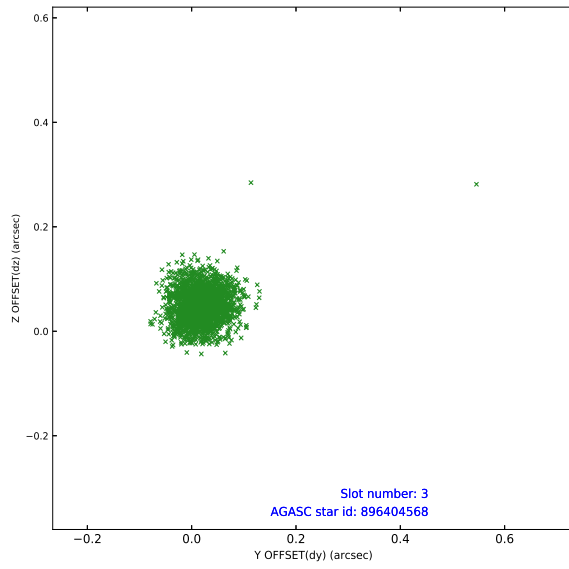


Slot Statistics

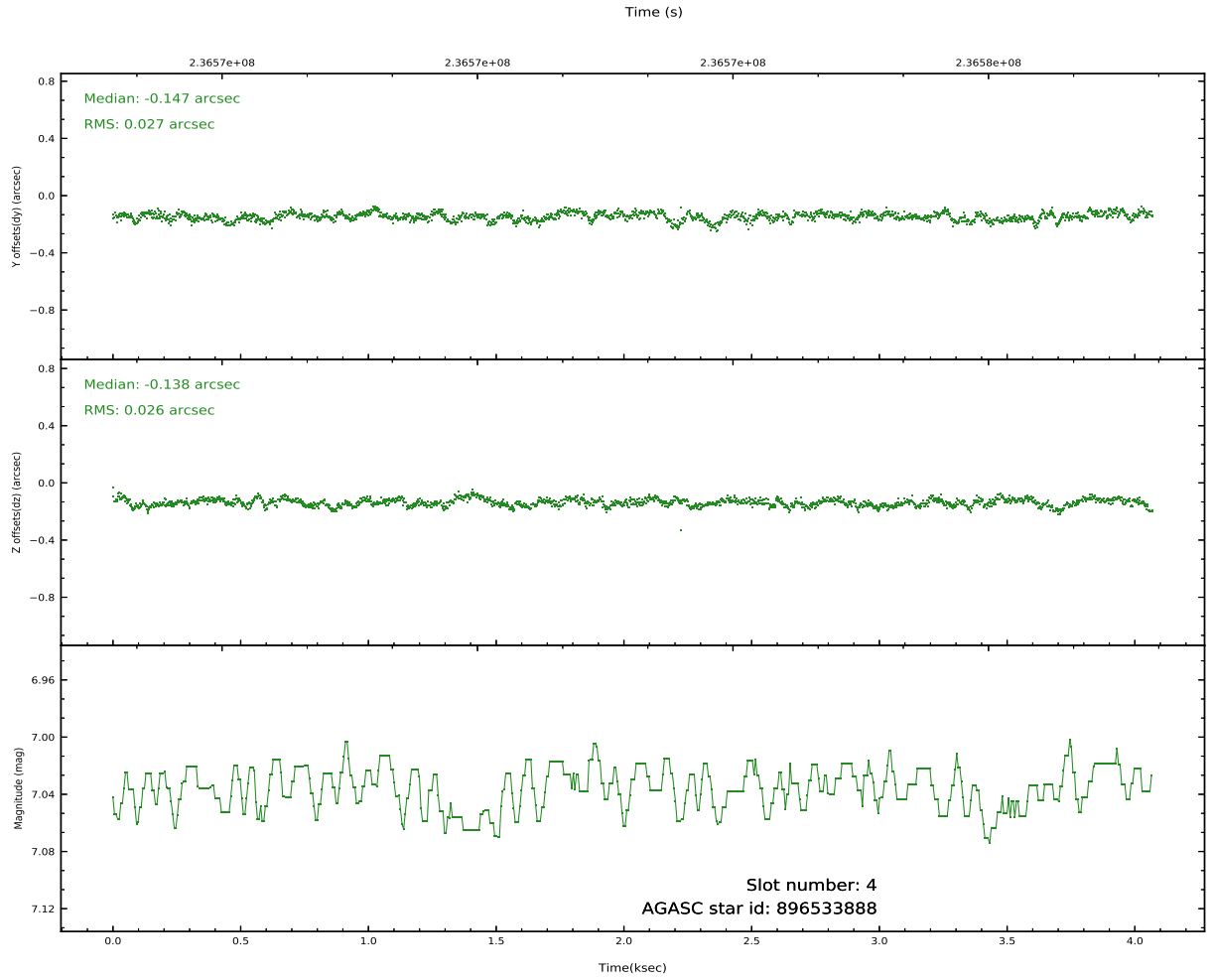
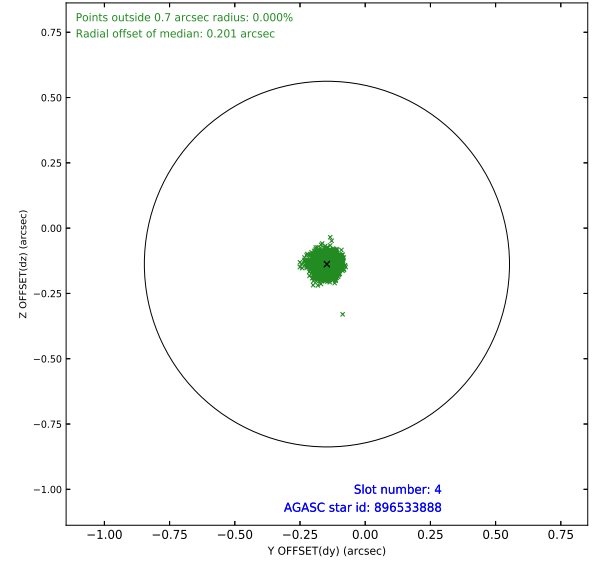
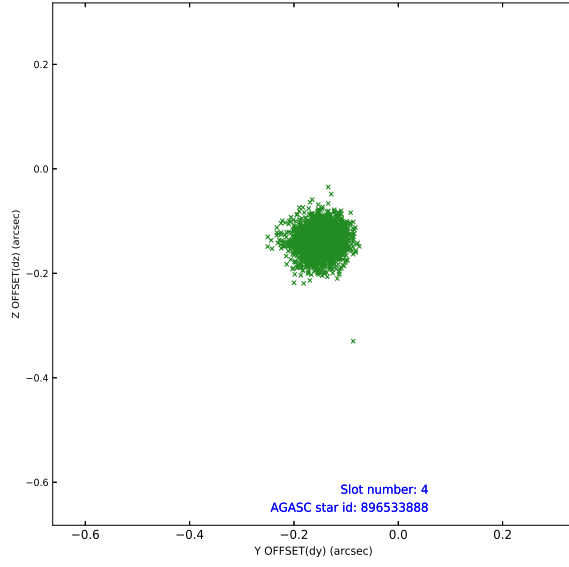
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-2	7.14	993	1.000	-0.099	-0.106	0.009	0.016	0.000000	0.000000	-762.14	-840
1	FID		ACIS-I-4	7.18	993	1.000	0.231	0.087	0.008	0.014	0.000000	0.000000	2151.54	1065
2	FID		ACIS-I-5	7.22	993	1.000	-0.232	0.087	0.010	0.016	0.000000	0.000000	-1814.14	1064
3	GUIDE	used	896404568	7.86	1986	1.000	0.019	0.048	0.049	0.077	265.687293	-28.431080	-2135.96	-1393
4	GUIDE	used	896533888	7.04	1986	1.000	-0.147	-0.138	0.040	0.064	266.666434	-29.392757	2224.04	182
5	GUIDE	used	896538696	6.81	1986	1.000	-0.072	-0.054	0.057	0.089	266.298470	-28.325572	-1770.59	545
6	GUIDE	used	896538840	8.92	1983	1.000	-0.006	-0.111	0.080	0.131	266.920426	-28.466925	-561.28	2180
7	GUIDE	used	896534000	9.27	1985	1.000	0.207	0.255	0.082	0.137	267.299113	-29.228915	2430.29	2246

2.4 Star Slots

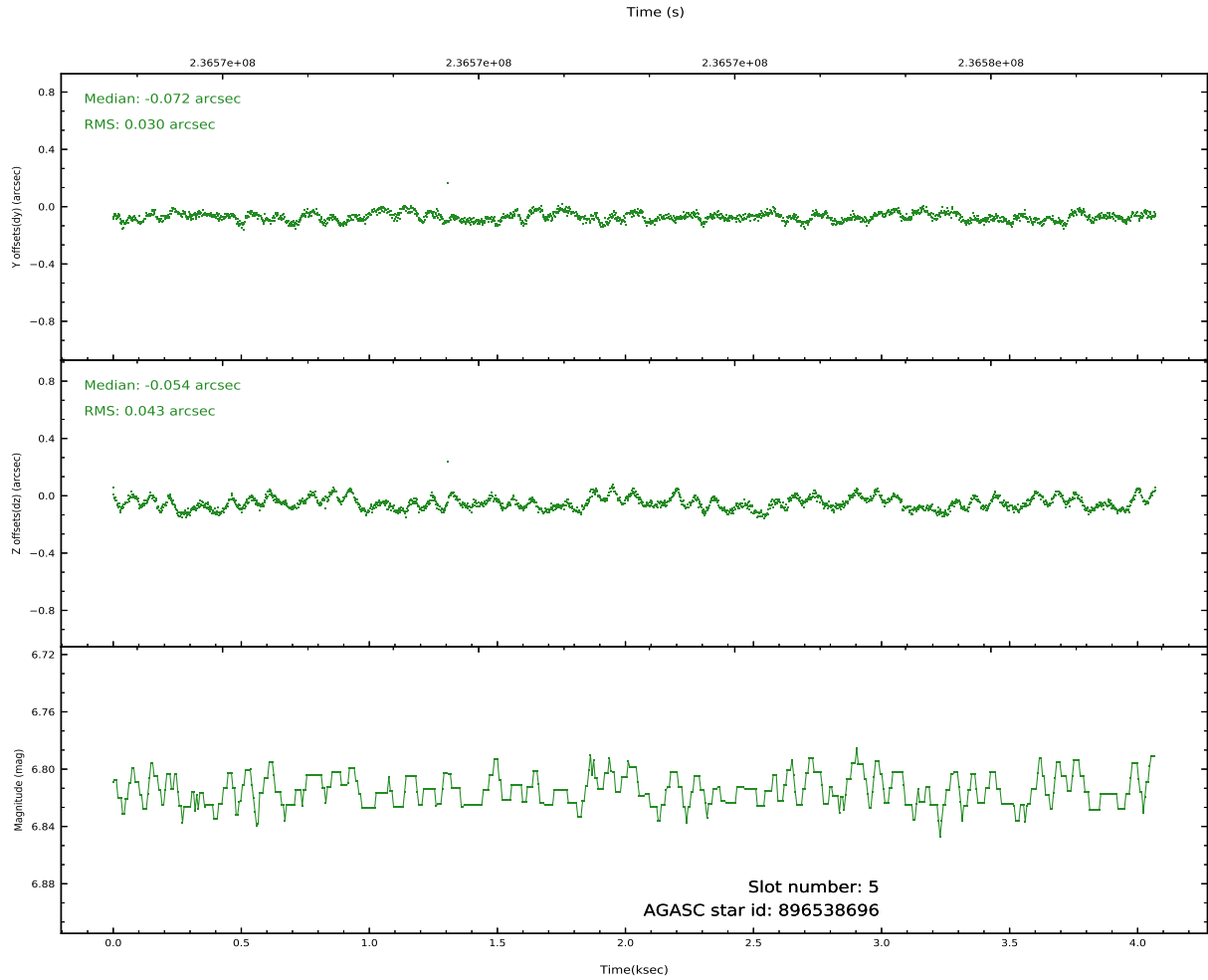
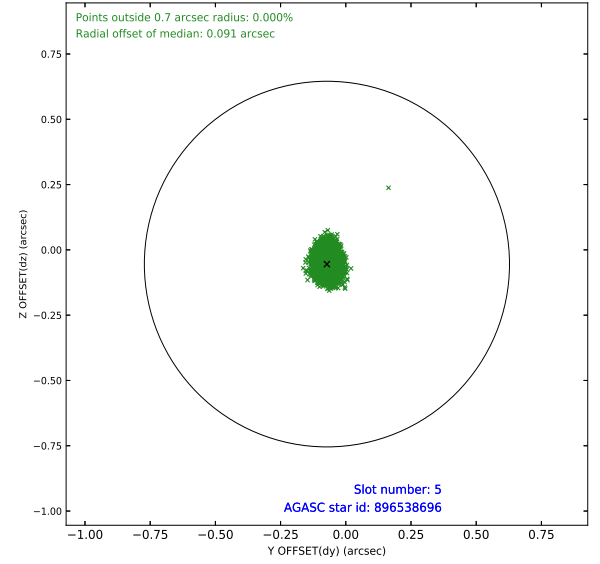
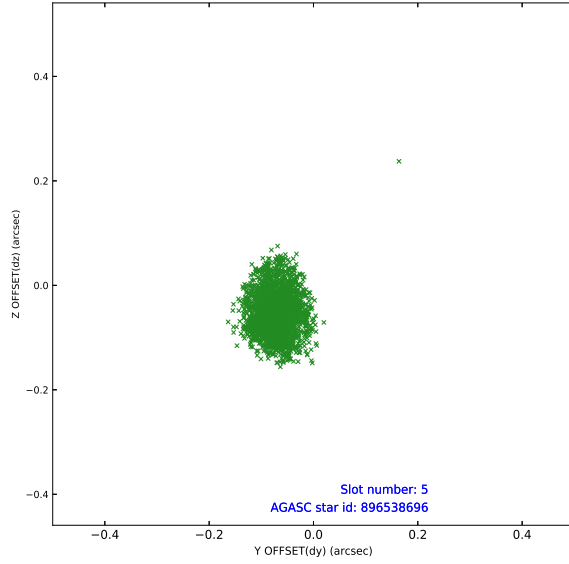
2.4.1 Slot 3



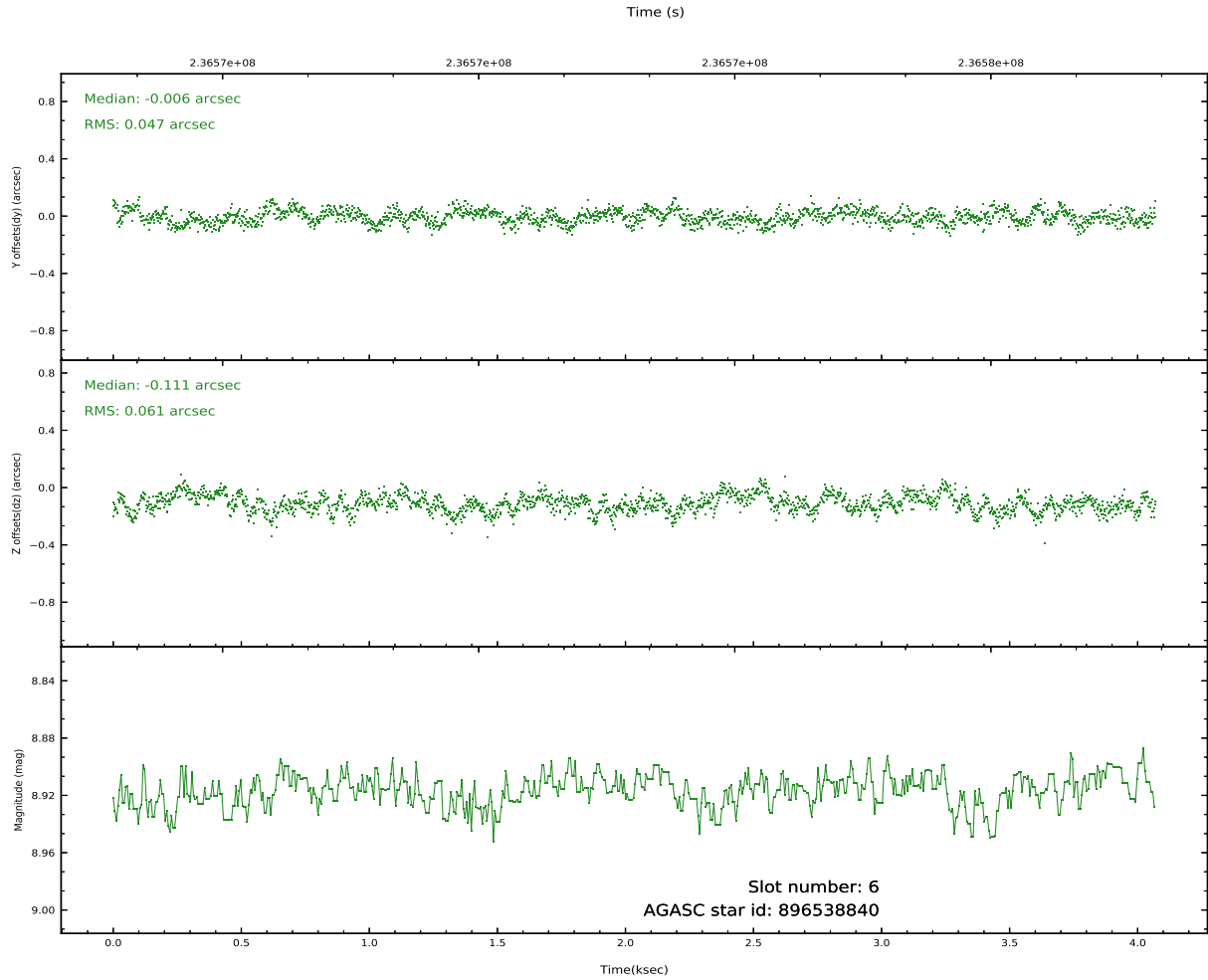
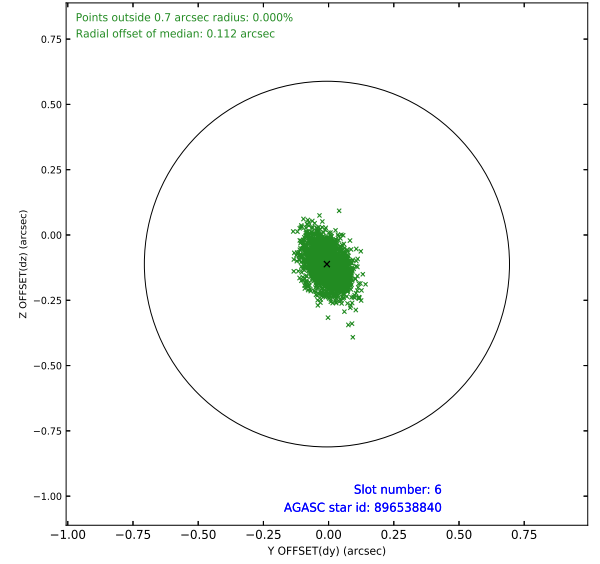
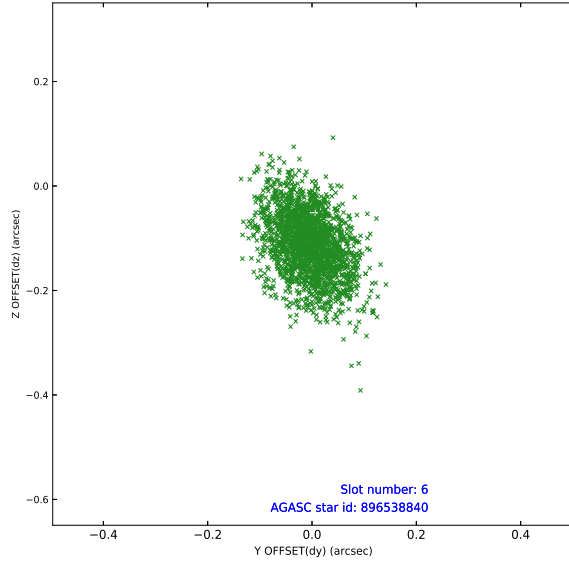
2.4.2 Slot 4



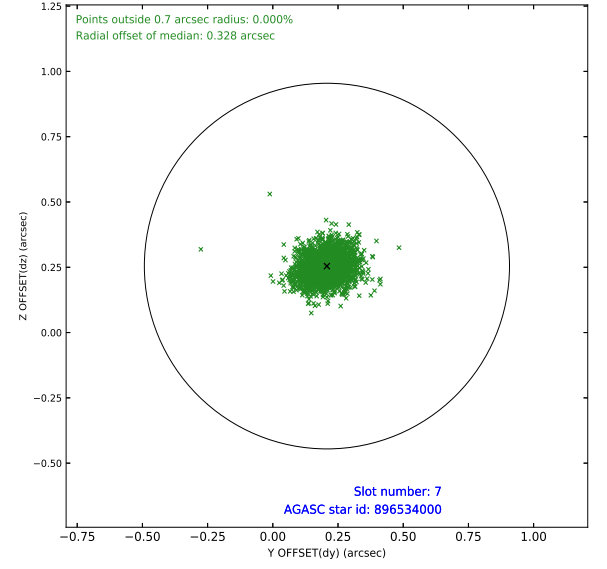
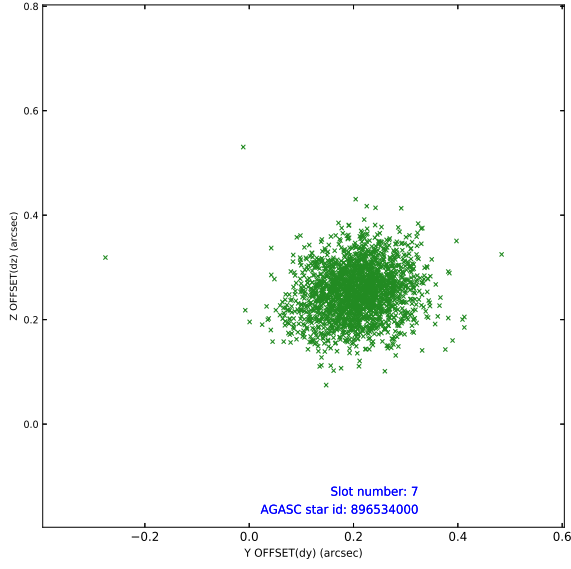
2.4.3 Slot 5



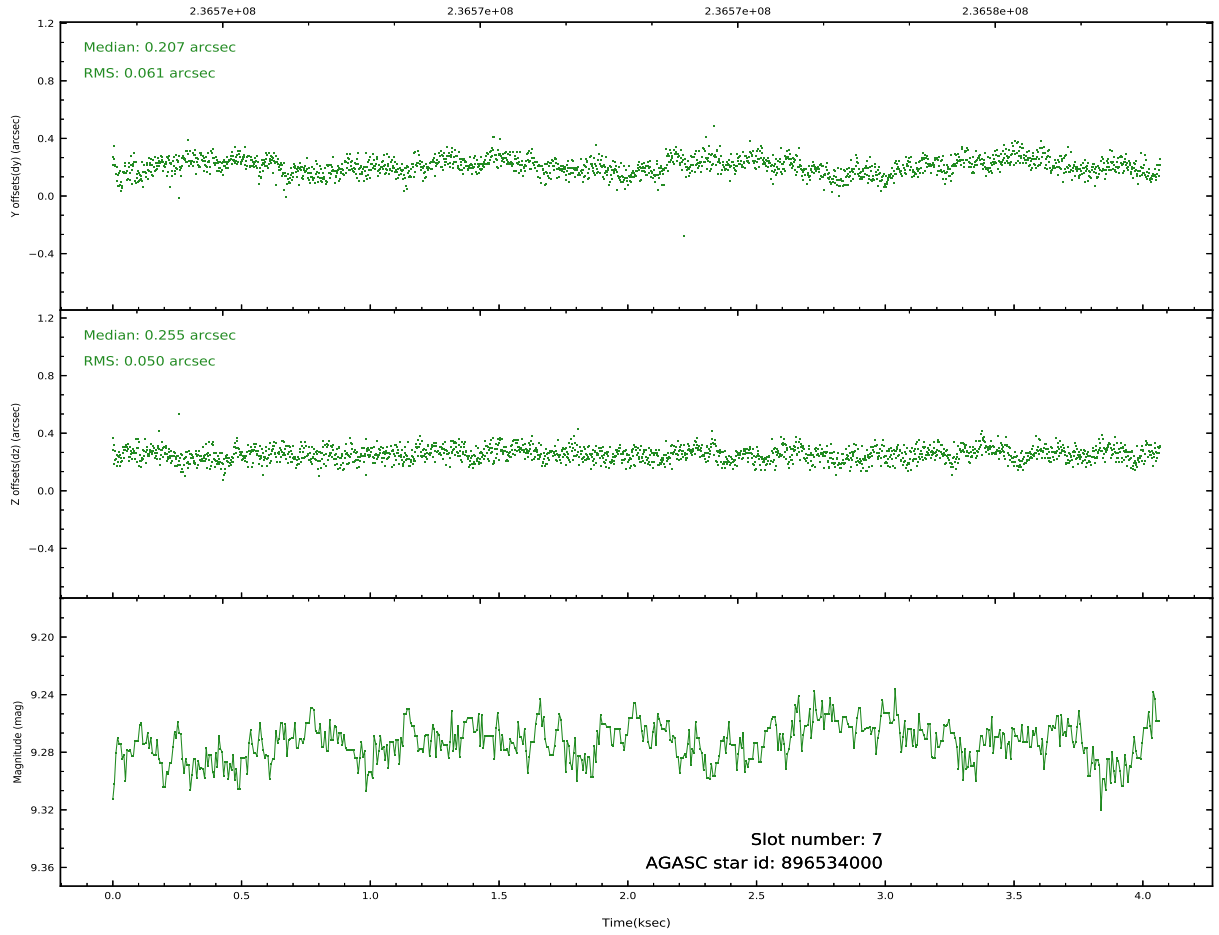
2.4.4 Slot 6



2.4.5 Slot 7

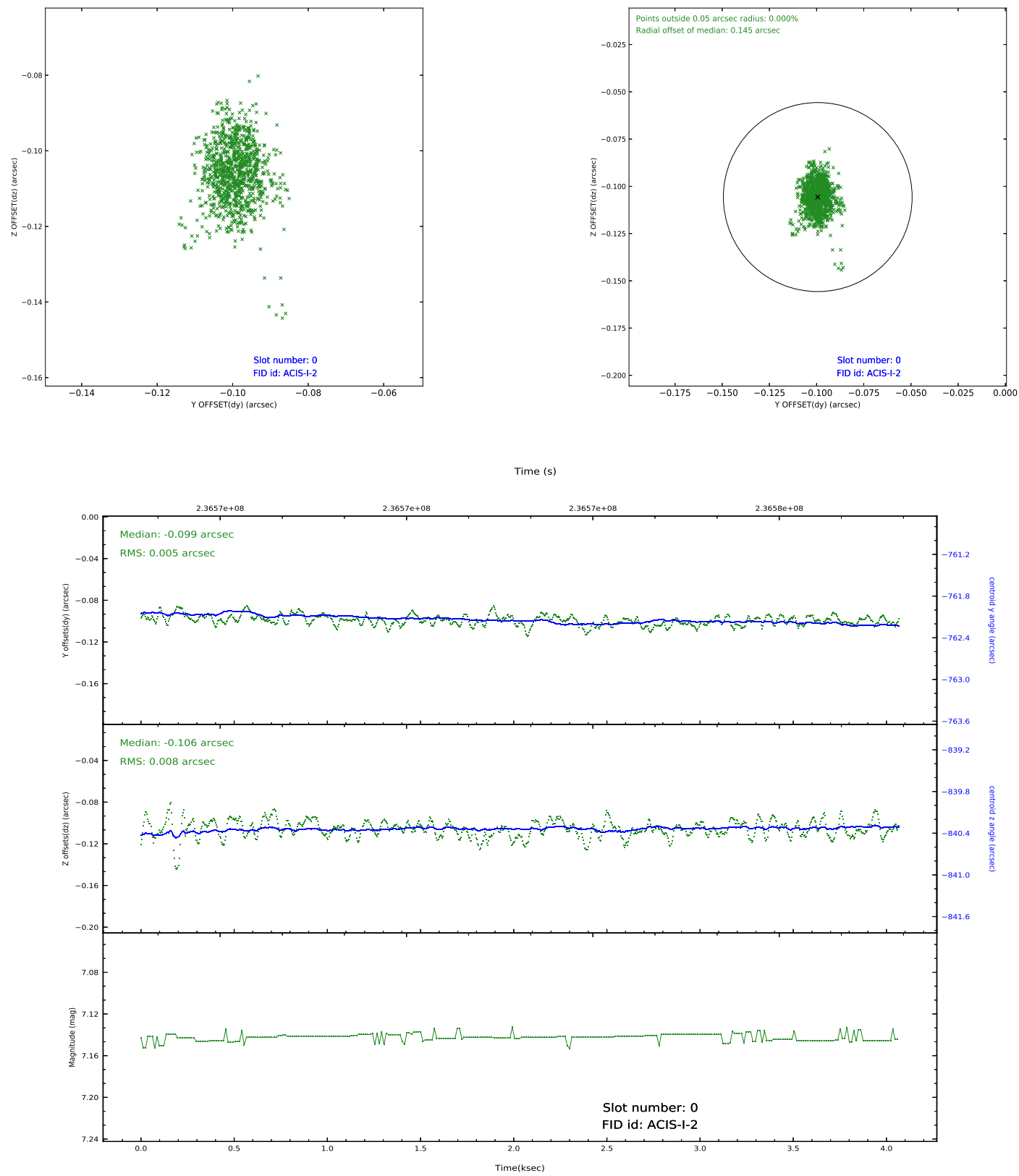


Time (s)

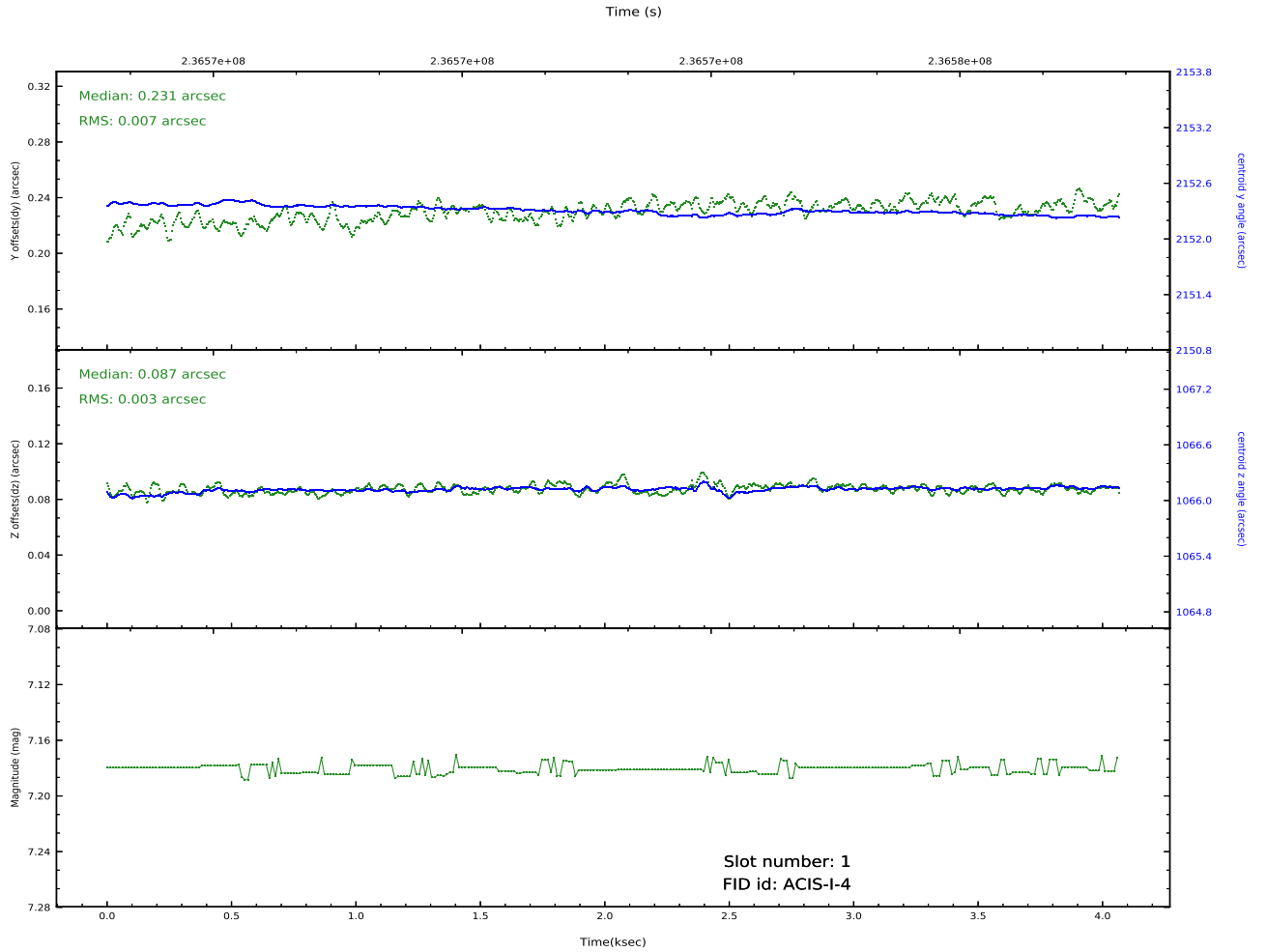
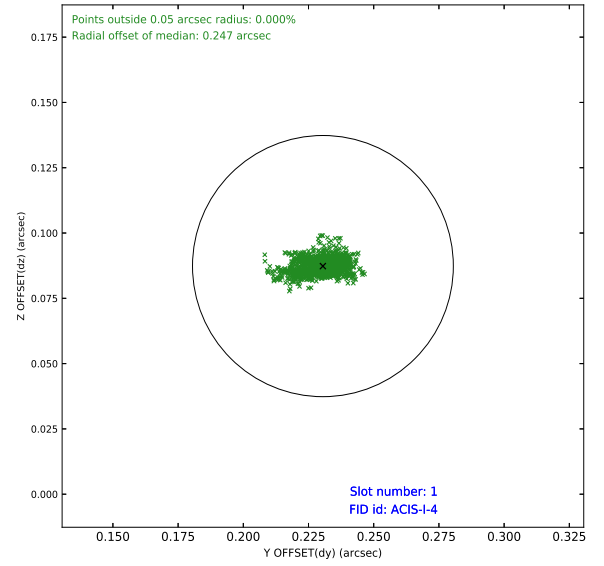
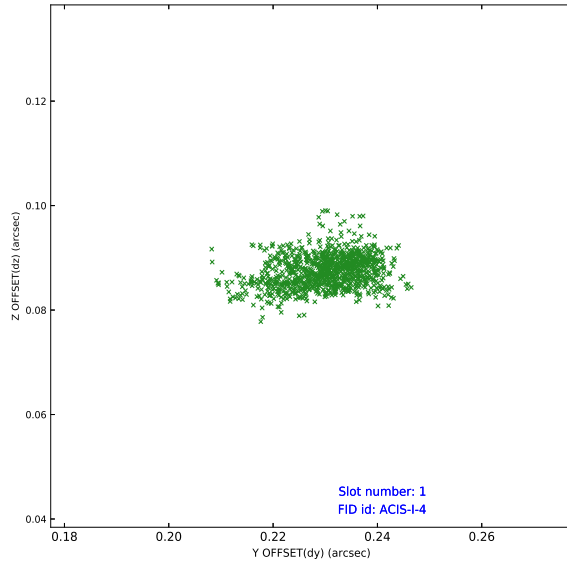


2.5 FID Slots

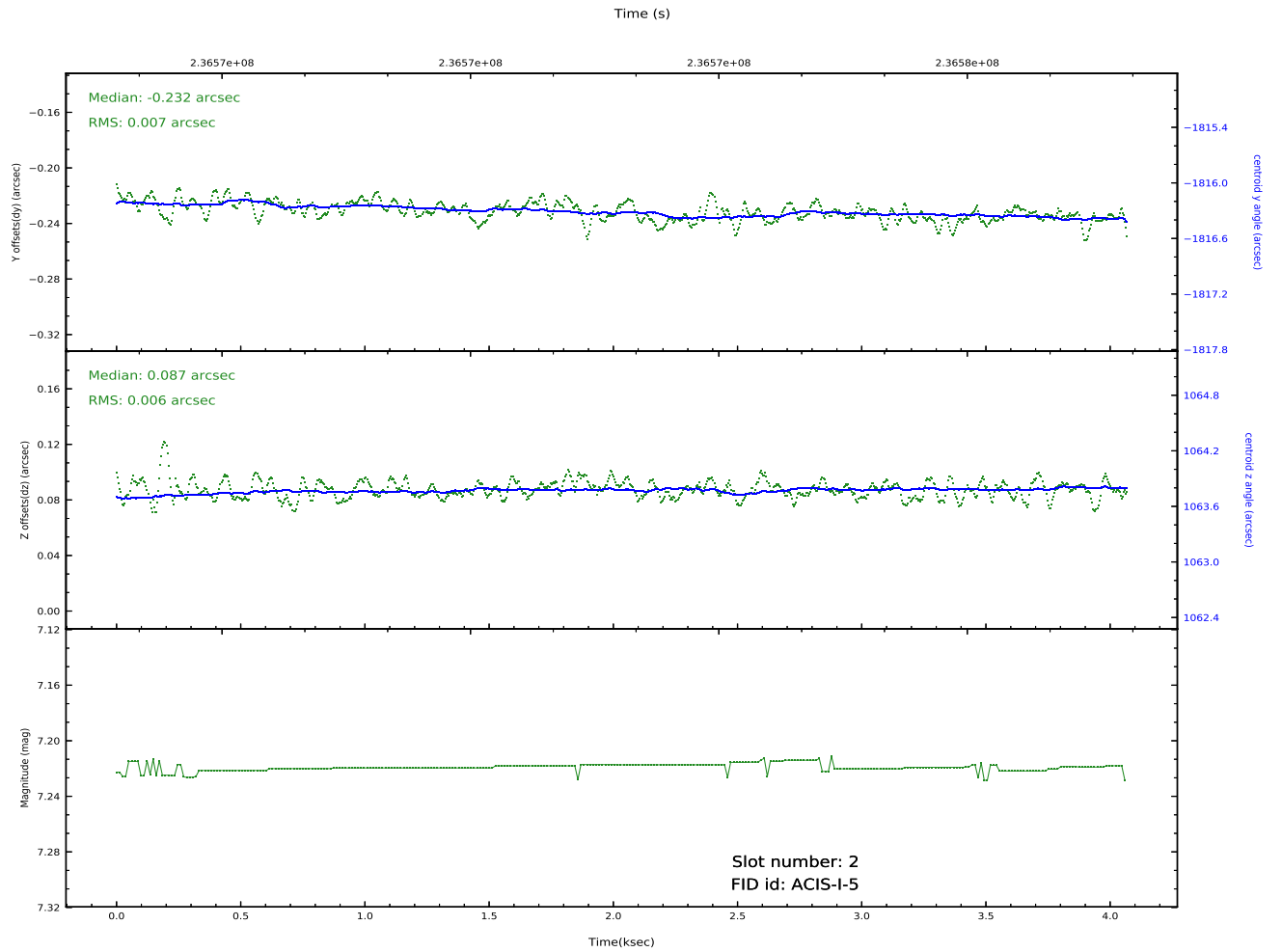
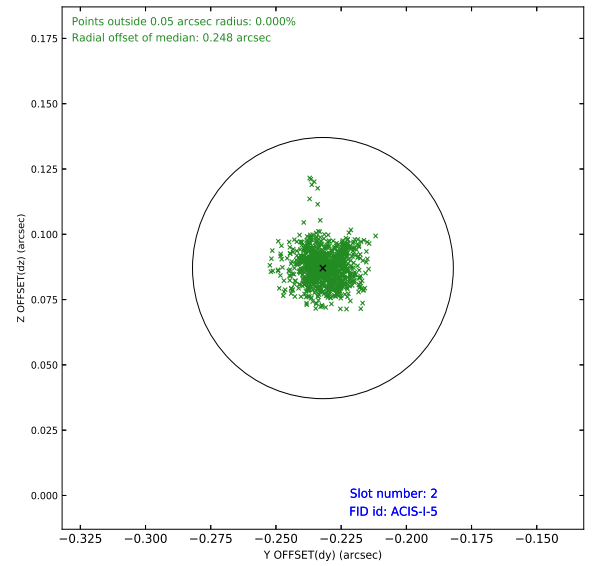
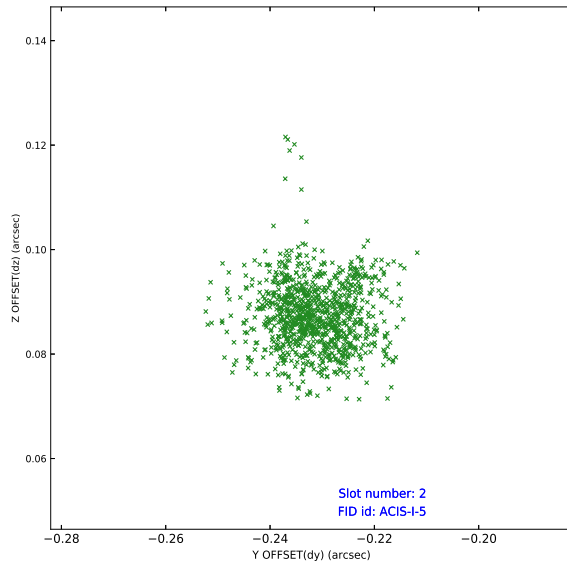
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.060999

A.2 Comments

Joint Proposal: CXO-XMM. Window constraint met.