

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5698 - L2 Version 4
Chandra X-Ray Center

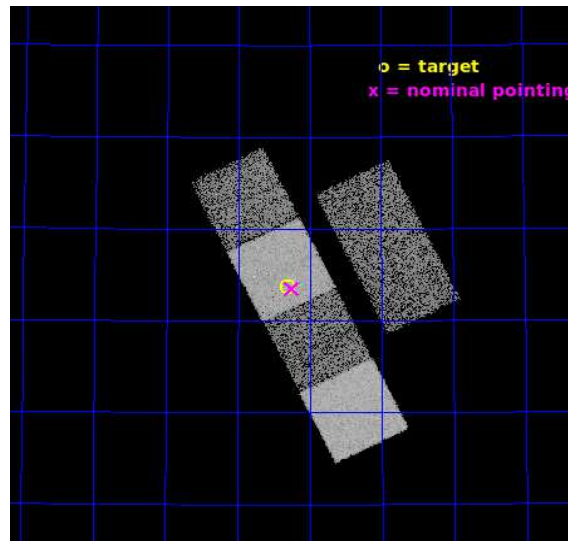
L2 Processing Date : Oct 8 2020

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1 Front

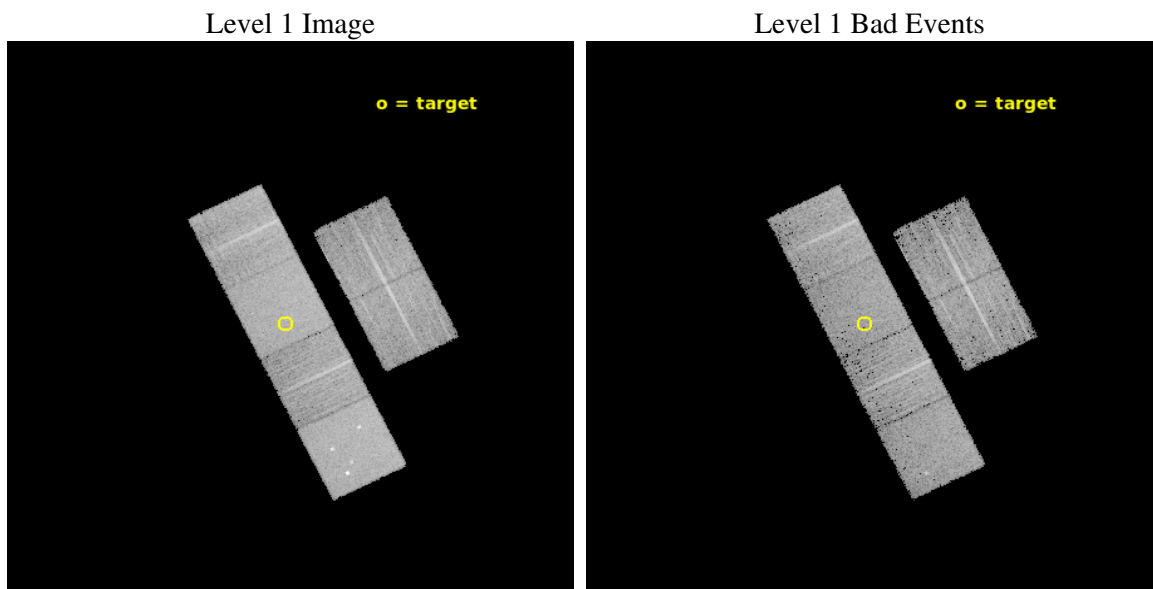
seq_num	701120	Sequence number
obs_id	5698	Observation id
title	Studying the X-ray properties of SDSS candidate Type II quasars with exploratory Chandra observations	Proposal title
observer	Cristian Vignali	Principal investigator
object	SDSS J115718.35+600345.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.326667	Observer's specified target RA [deg]
dec_targ	60.062667	Observer's specified target Dec [deg]
ra_nom	179.31213442244	Nominal RA [deg]
dec_nom	60.058386252857	Nominal Dec [deg]
roll_nom	243.53525910809	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7055.9999737144	Sum of GTIs [s]
livetime	6966.6526534341	Livetime [s]
ontime2	7055.9999737144	Sum of GTIs [s]
ontime3	7055.9999737144	Sum of GTIs [s]
ontime5	7055.9999737144	Sum of GTIs [s]
ontime6	7055.9999737144	Sum of GTIs [s]
ontime7	7055.9999737144	Sum of GTIs [s]
ontime8	7055.9943574667	Sum of GTIs [s]
l2events	85131	Number of level 2 events



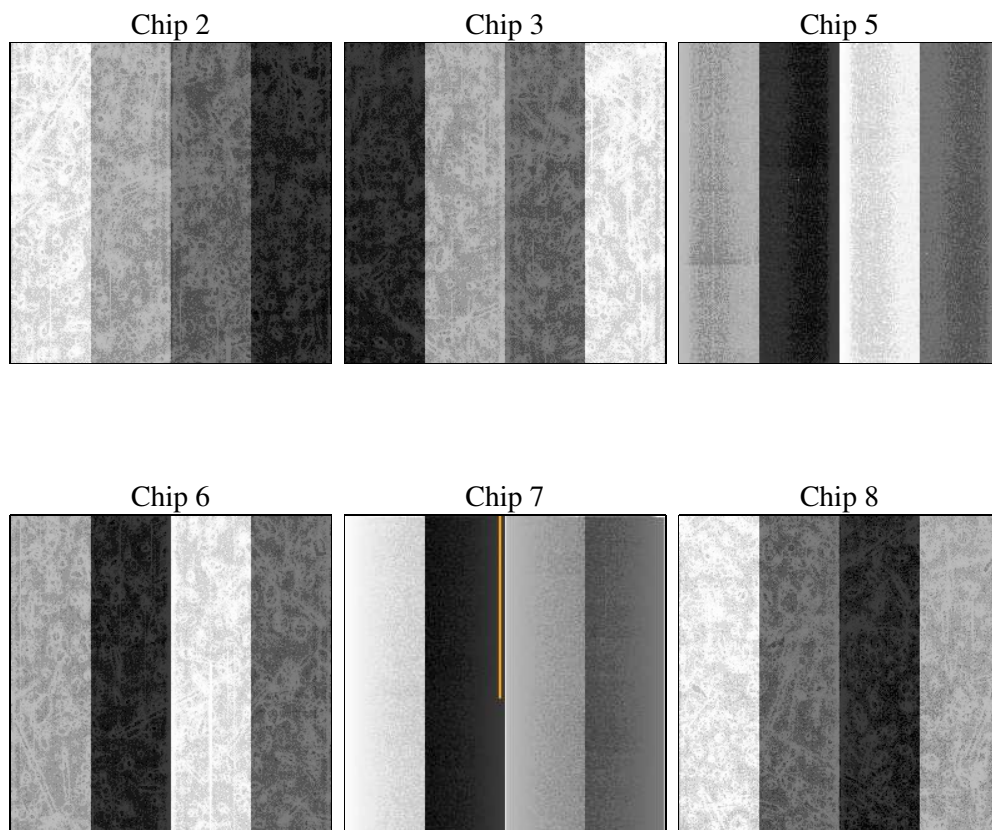
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	7055.9999737144	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	7055.9999737144	Sum of GTIs [s]
date	2020-10-08T18:25:38	Date and time of file creation	ontime3	7055.9999737144	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	7055.9999737144	Sum of GTIs [s]
			ontime6	7055.9999737144	Sum of GTIs [s]
			ontime7	7055.9999737144	Sum of GTIs [s]
			ontime8	7055.9943574667	Sum of GTIs [s]
			l1events	374604	Number of level 1 events

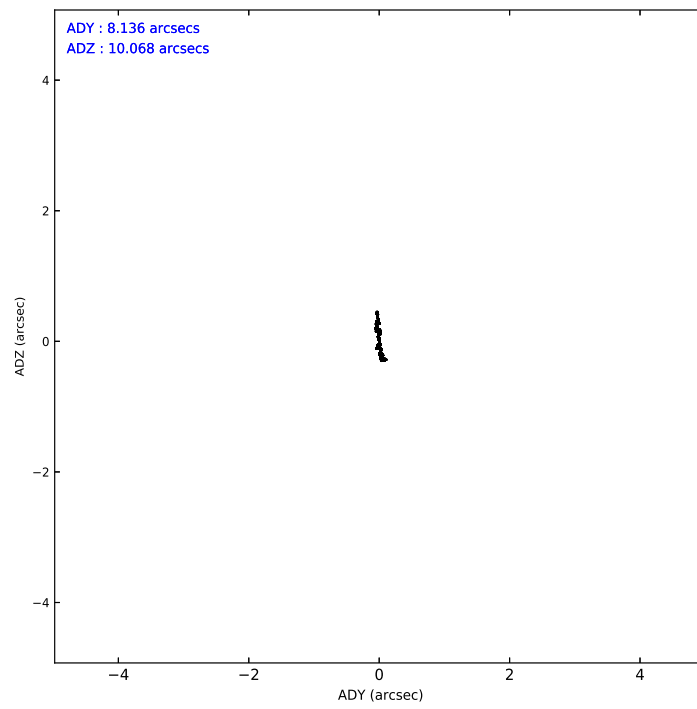
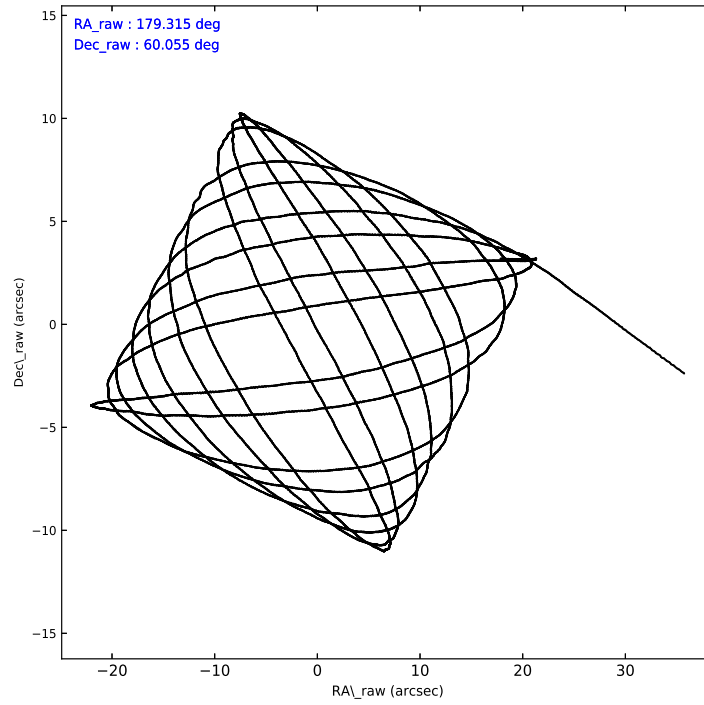
2.1.4 Events

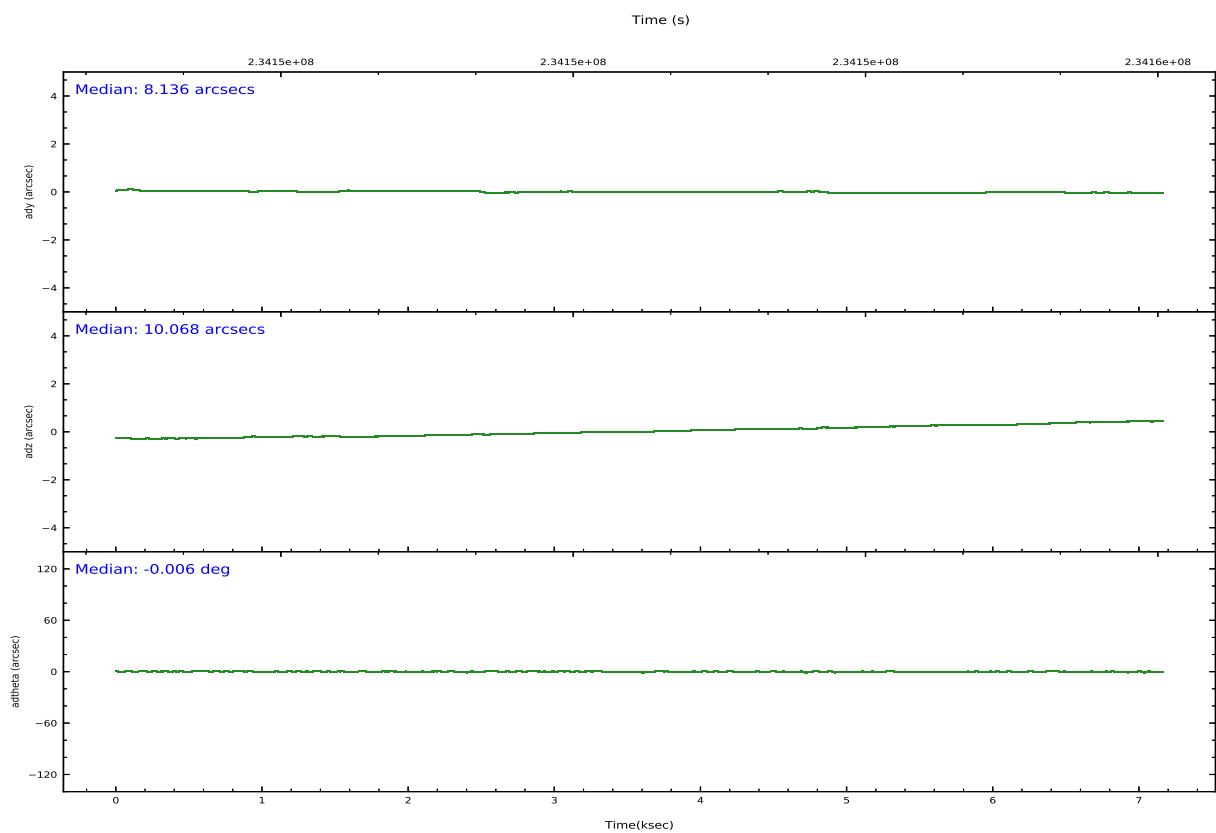
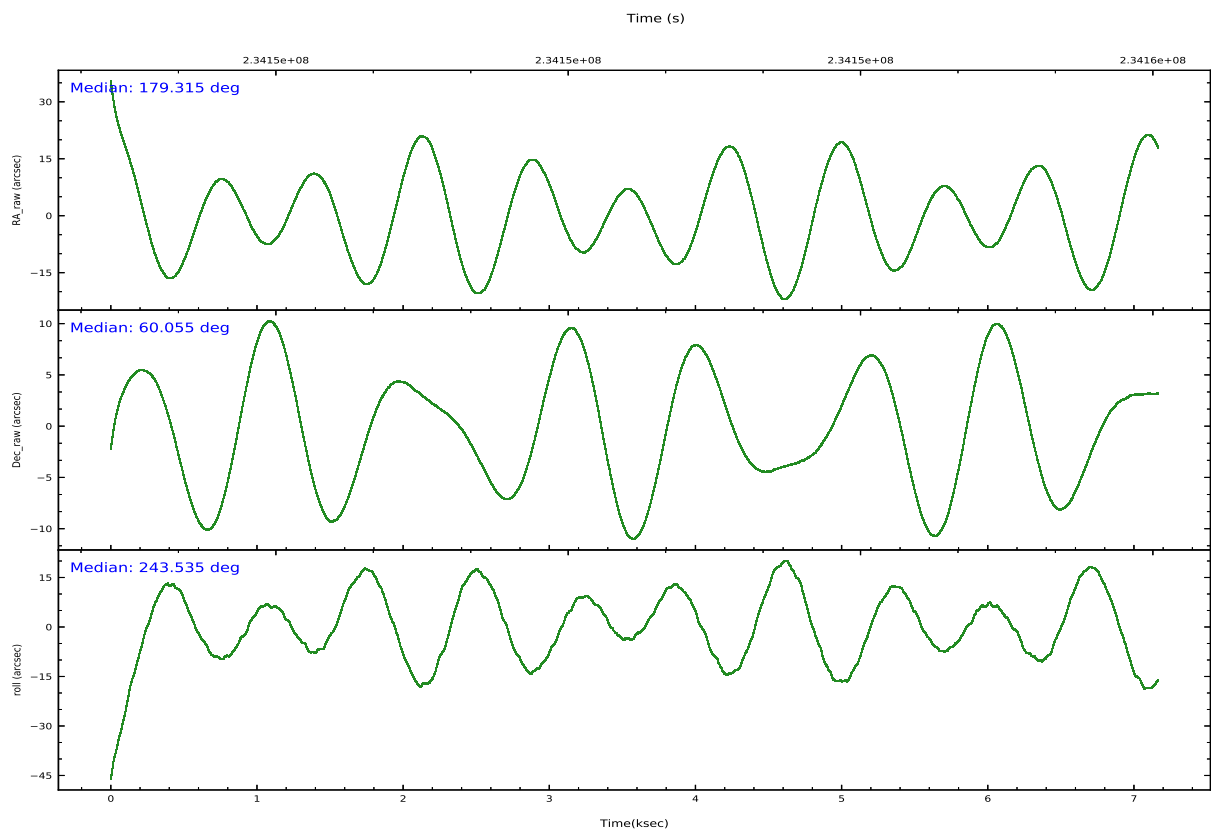
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	52276	49516	80748	53653	72702	65709	grade 0 events	2724	2603	4514	2580	2733	4400
rejected events	46034	43510	43346	47332	42724	51630		5%	5%	5%	4%	3%	6%
rejected %	88%	87%	53%	88%	58%	78%	grade 1 events	34	31	208	29	66	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1218	1175	11224	1231	6052	3165
								2%	2%	13%	2%	8%	4%
							grade 3 events	619	577	1344	594	2592	1447
								1%	1%	1%	1%	3%	2%
							grade 4 events	620	602	1248	561	2562	1393
								1%	1%	1%	1%	3%	2%
							grade 5 events	2207	2332	5867	2454	6930	3254
								4%	4%	7%	4%	9%	4%
							grade 6 events	1066	1054	19110	1358	16061	3681
								2%	2%	23%	2%	22%	5%
							grade 7 events	43788	41142	37233	44846	35706	48327
								83%	83%	46%	83%	49%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	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	179.311031	179.31213442244	Subarray requested	NONE	NONE
[deg] Pointing Dec	60.082049	60.058386252857	Alternating exposures requested	N	N
[deg] Pointing Roll	243.376411	243.53525910809	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	234149037.184000	234148026.39919			
Observation start date	2005-06-03T01:22:53	2005-06-03T01:07:06			
[s] Observation end time (MET)	234156037.184000	234156703.02459			
Observation end date	2005-06-03T03:19:33	2005-06-03T03:31:43			
Read mode	TIMED	TIMED			

2.3 Aspect



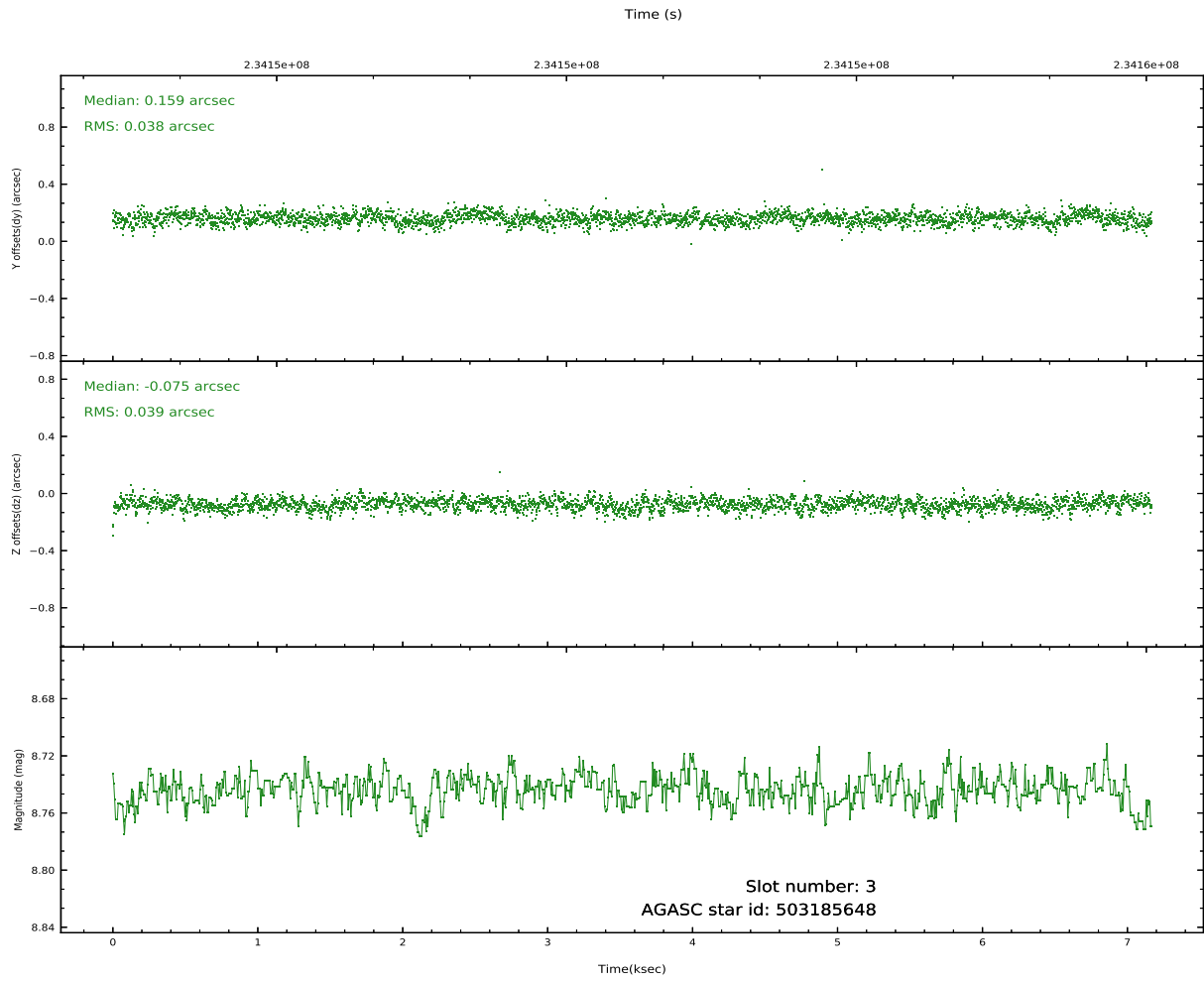
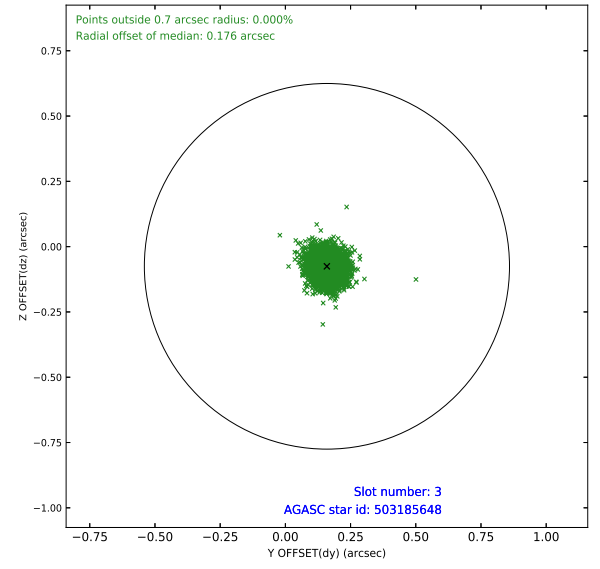
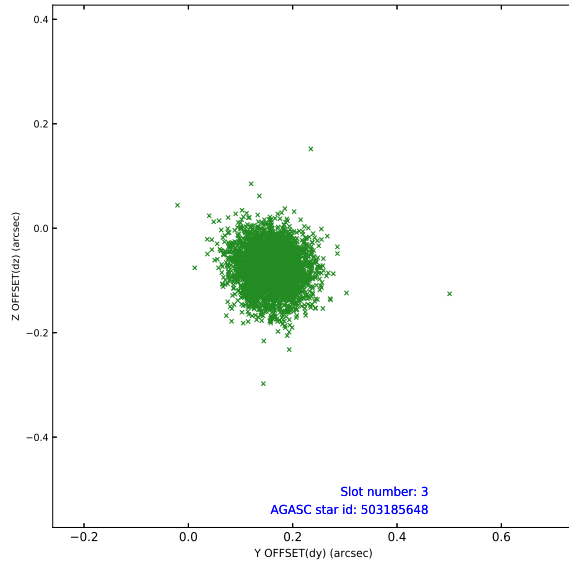


Slot Statistics

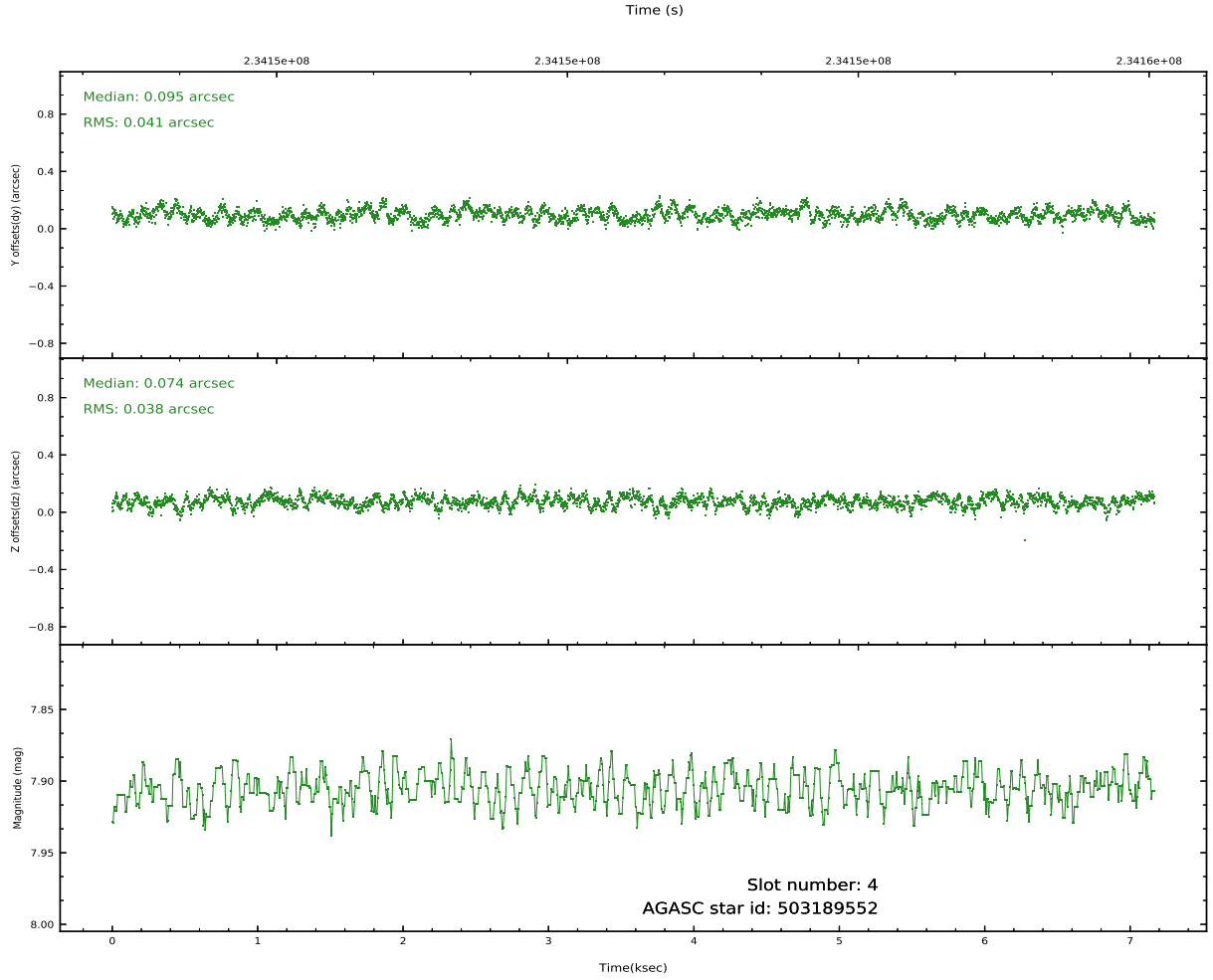
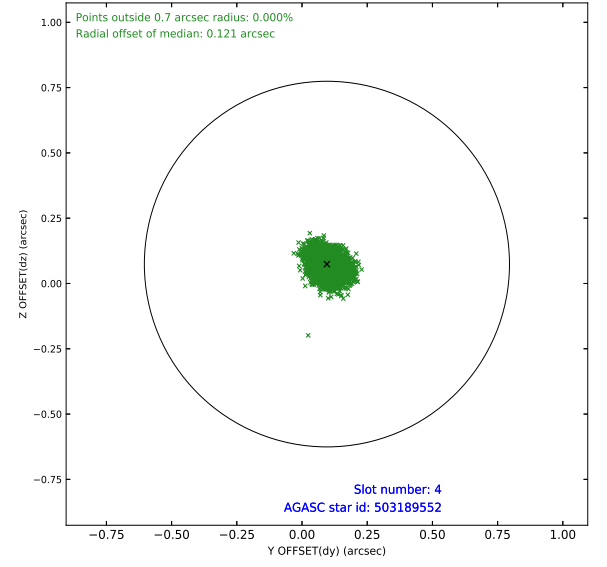
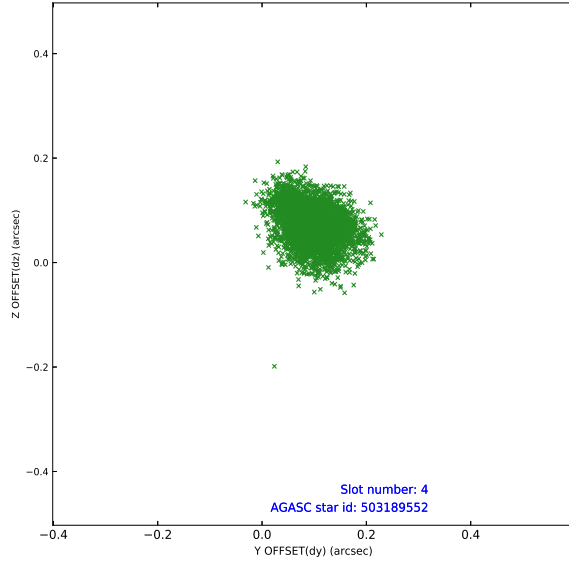
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	1748	1.000	-0.074	-0.069	0.009	0.014	0.000000	0.000000	-760.92	-1731
1	FID		ACIS-S-4	7.21	1748	1.000	0.190	0.054	0.006	0.010	0.000000	0.000000	2152.18	176
2	FID		ACIS-S-5	7.23	1748	1.000	-0.146	0.023	0.009	0.016	0.000000	0.000000	-1812.88	170
3	GUIDE	used	503185648	8.74	3493	1.000	0.159	-0.075	0.058	0.093	178.966414	59.673816	1594.03	98
4	GUIDE	used	503189552	7.90	3497	1.000	0.095	0.074	0.060	0.095	178.496507	59.680458	1948.76	-679
5	GUIDE	used	544480840	8.40	3497	1.000	-0.027	0.056	0.061	0.100	179.961120	60.158701	-772.45	914
6	GUIDE	used	544481720	8.66	3497	1.000	-0.059	-0.092	0.068	0.108	179.183884	60.522144	-1315.36	-911
7	GUIDE	used	544481768	7.34	3495	1.000	-0.170	0.041	0.055	0.086	179.454019	60.461508	-1335.16	-385

2.4 Star Slots

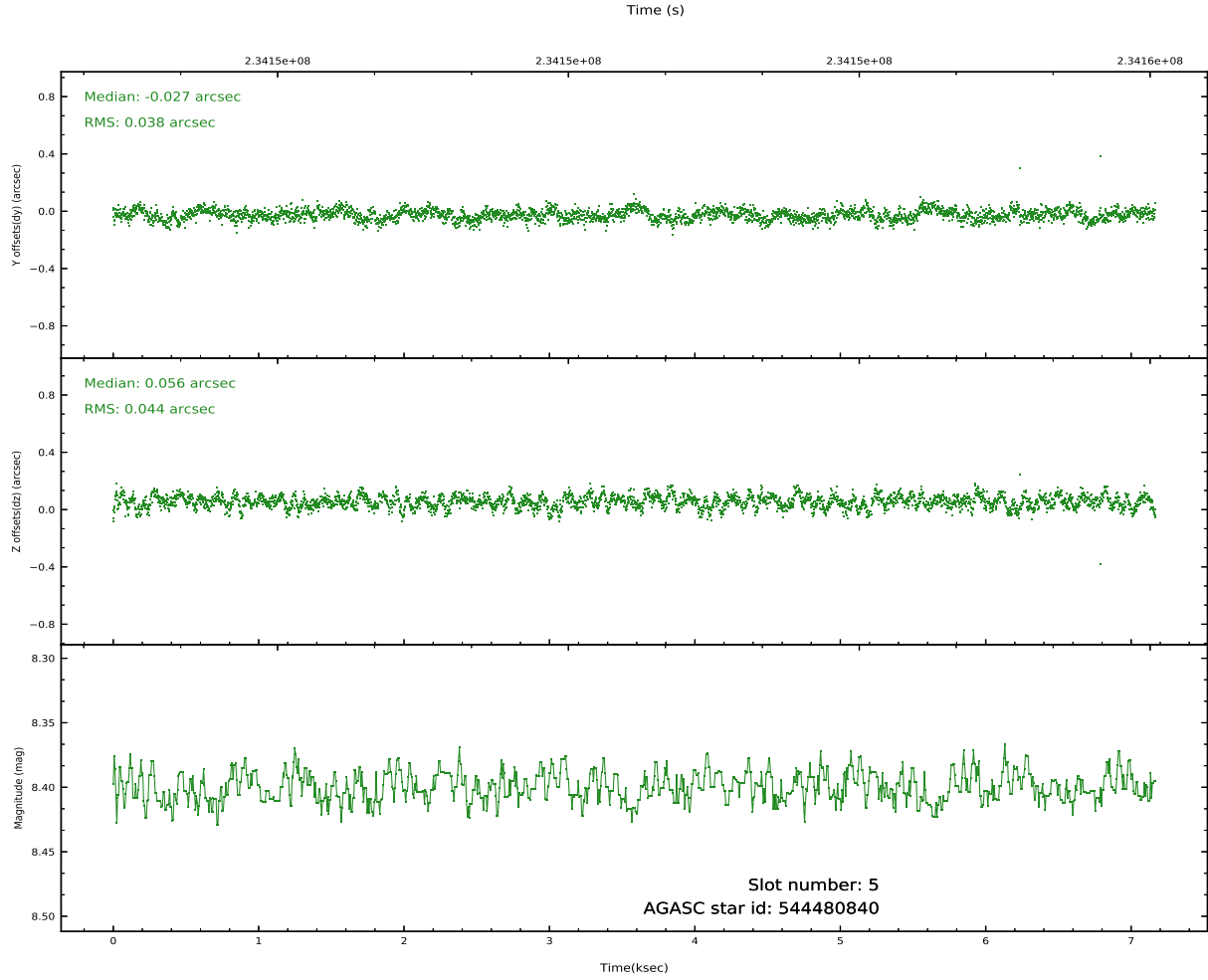
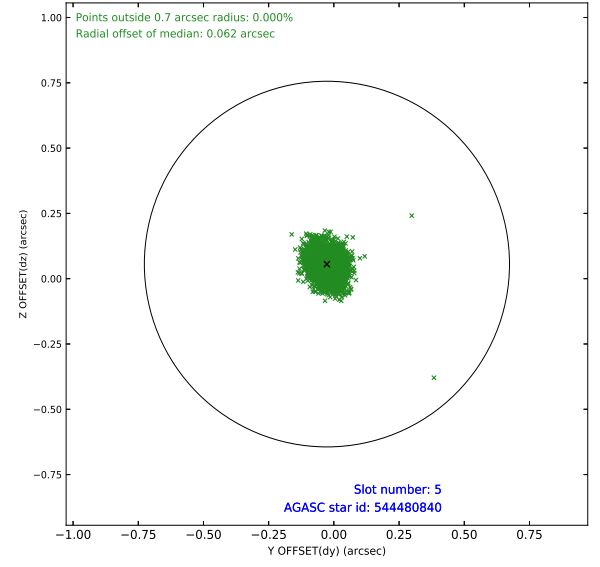
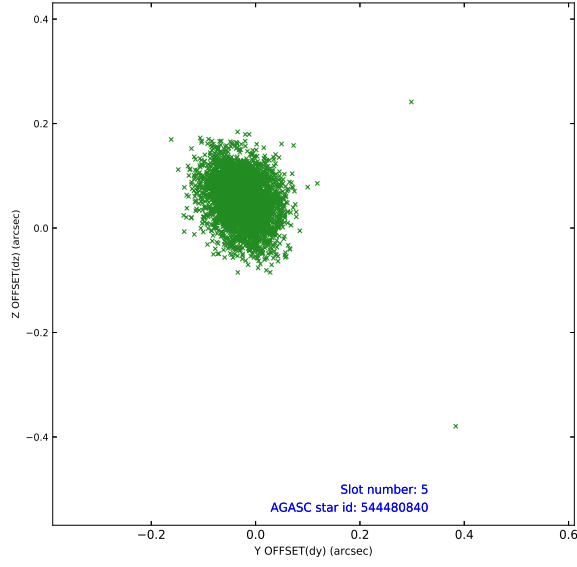
2.4.1 Slot 3



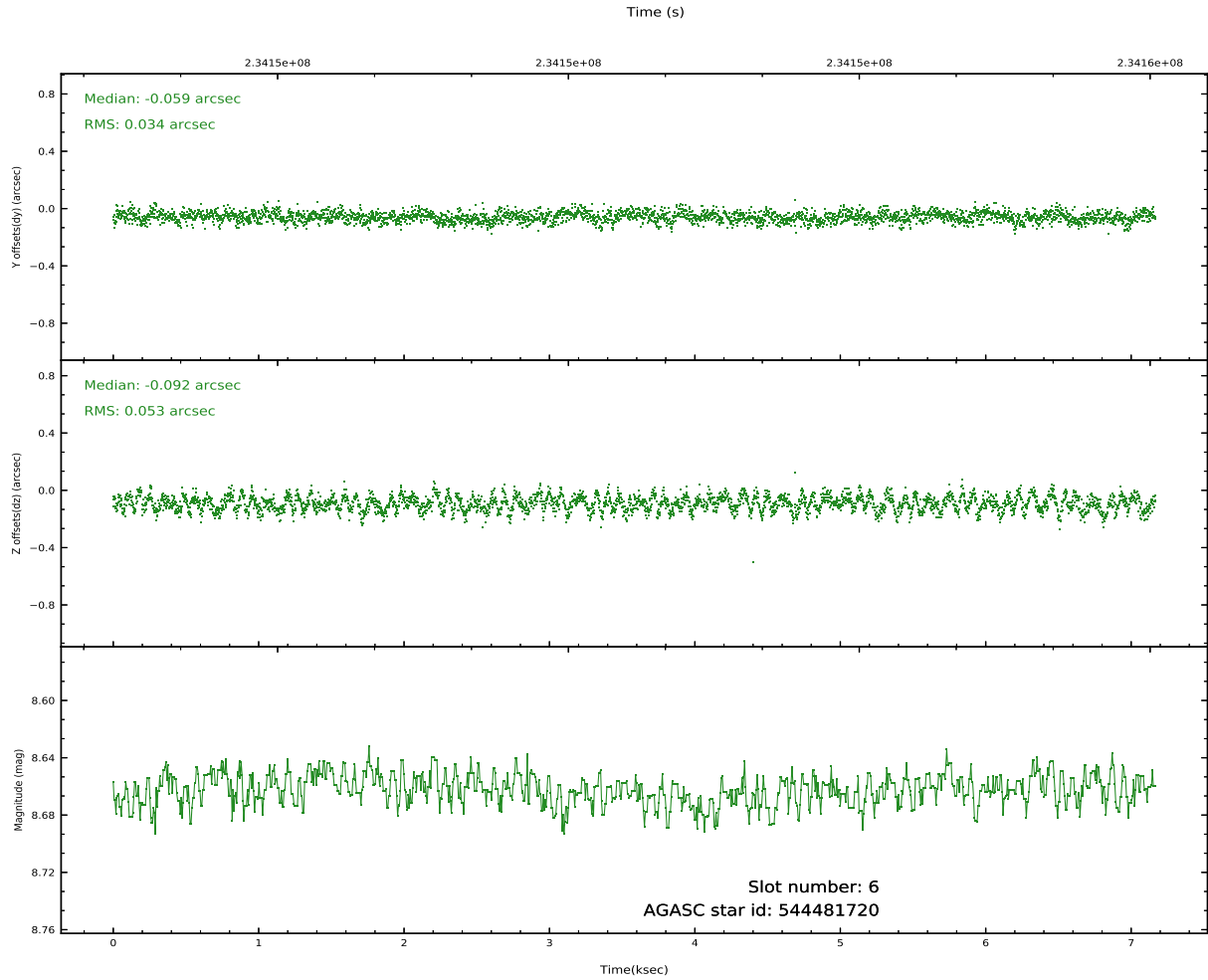
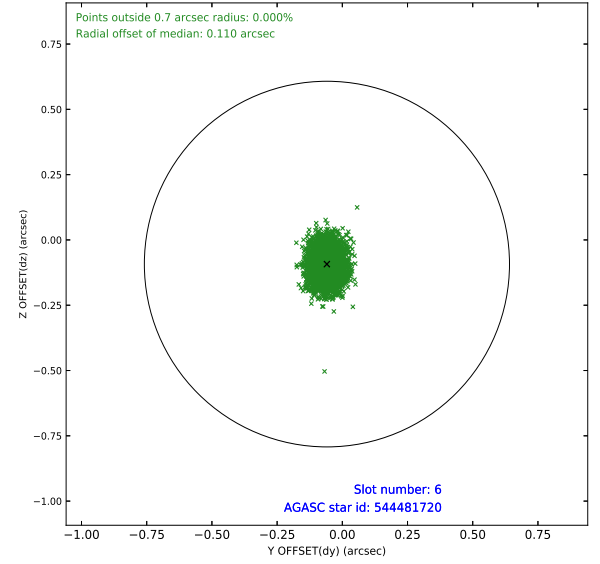
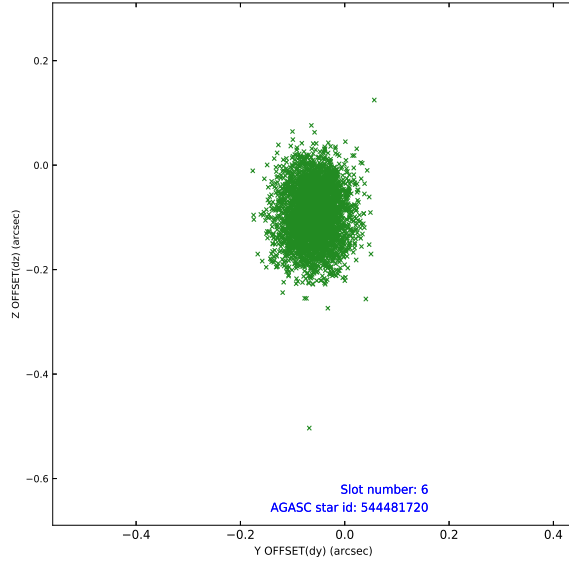
2.4.2 Slot 4



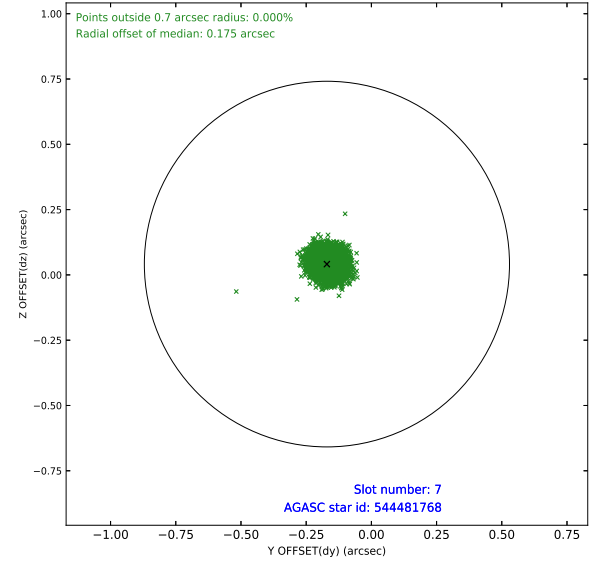
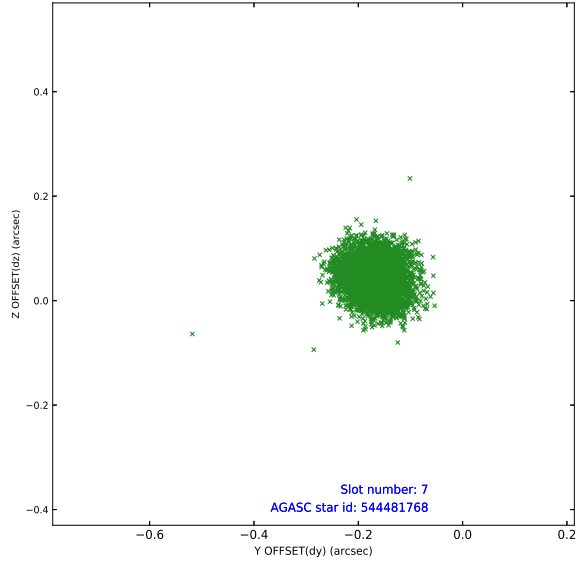
2.4.3 Slot 5



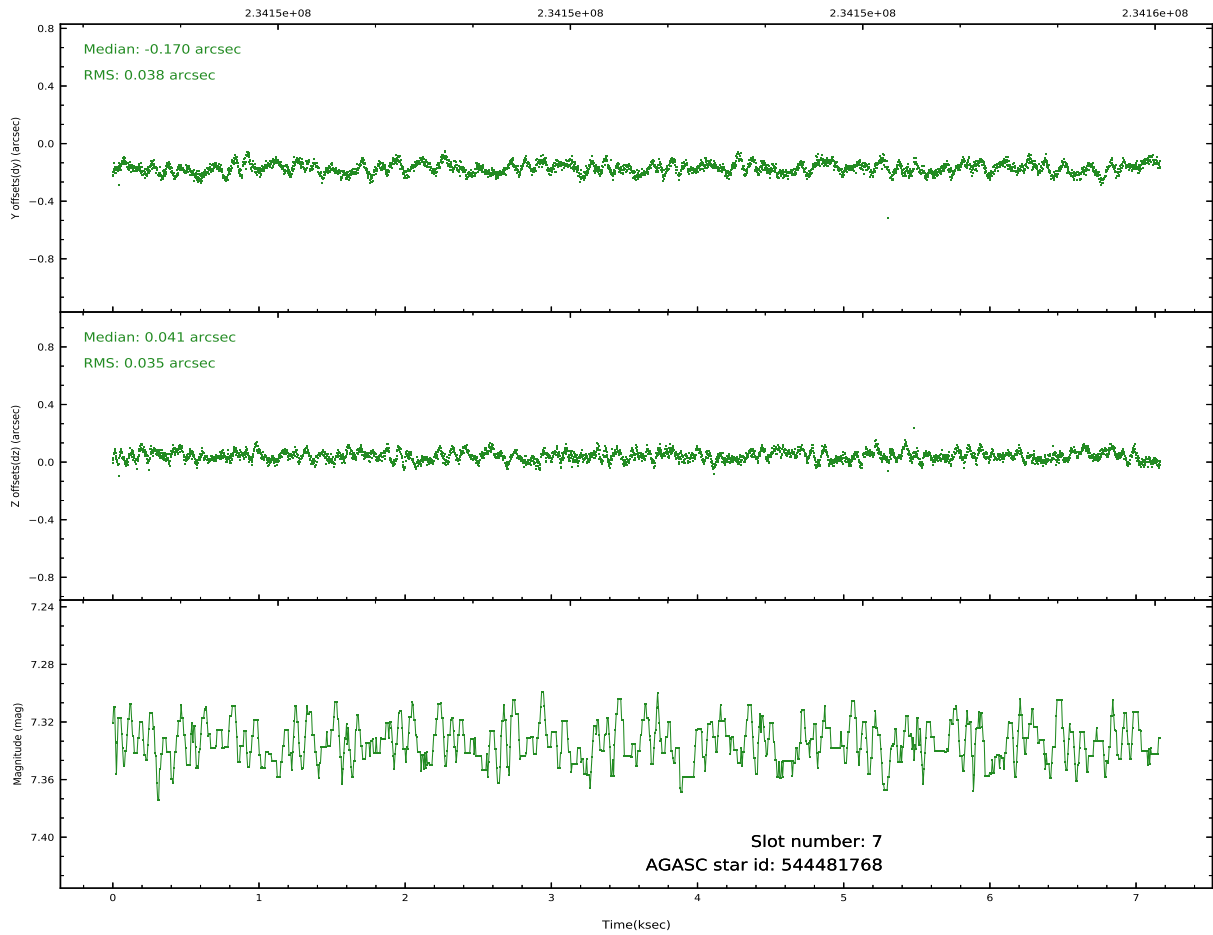
2.4.4 Slot 6



2.4.5 Slot 7

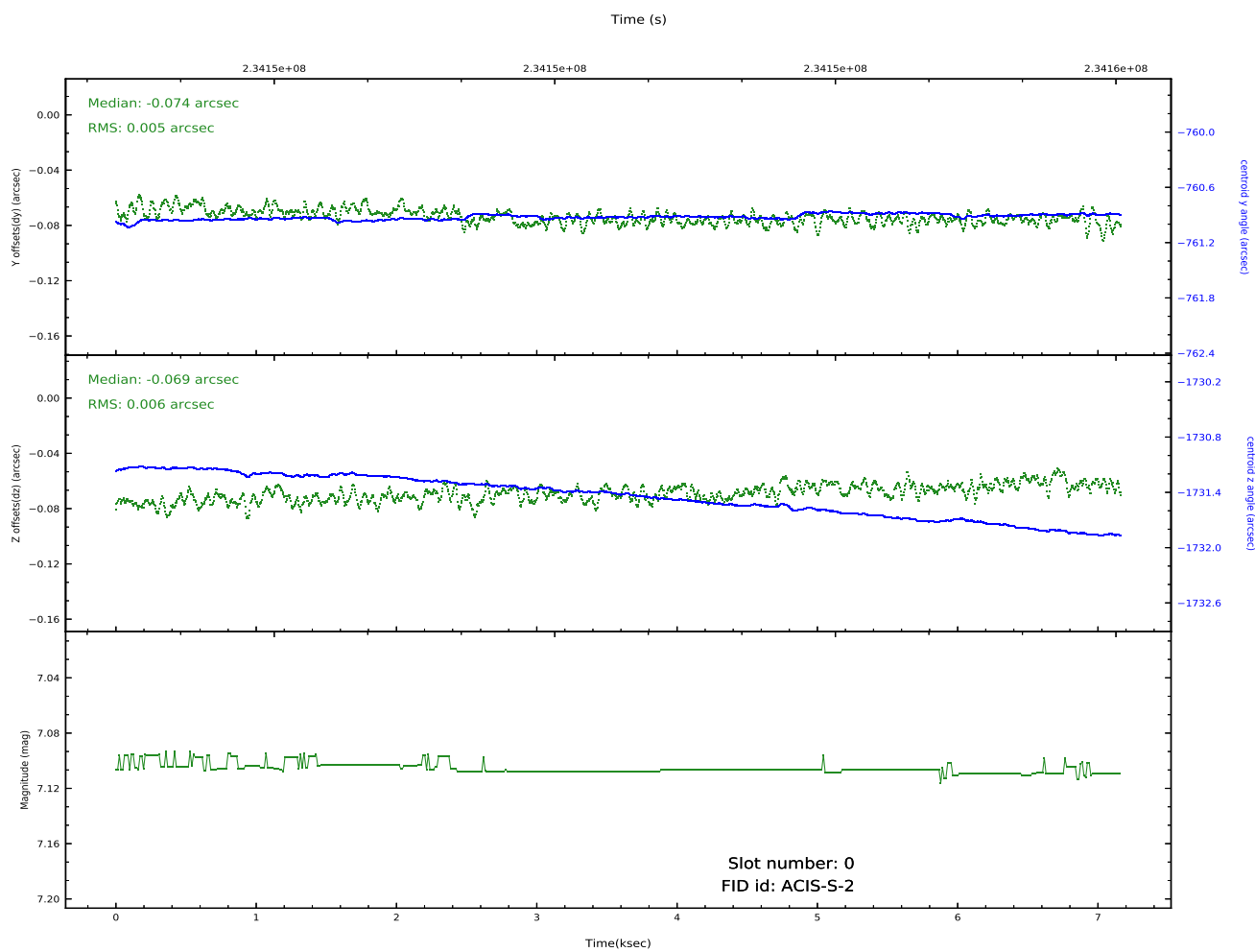
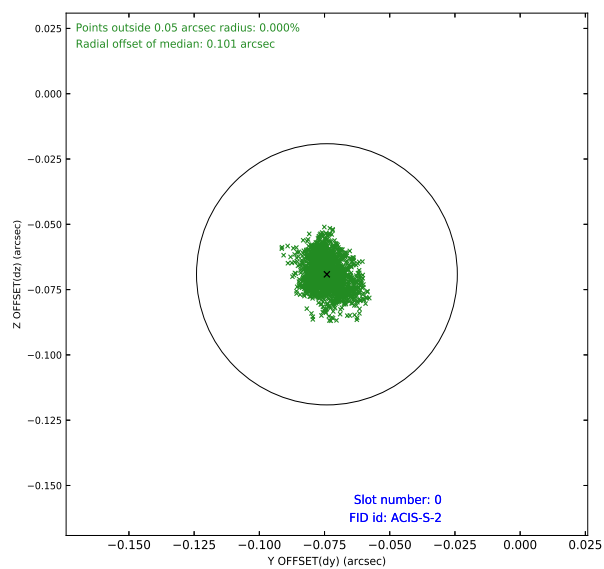
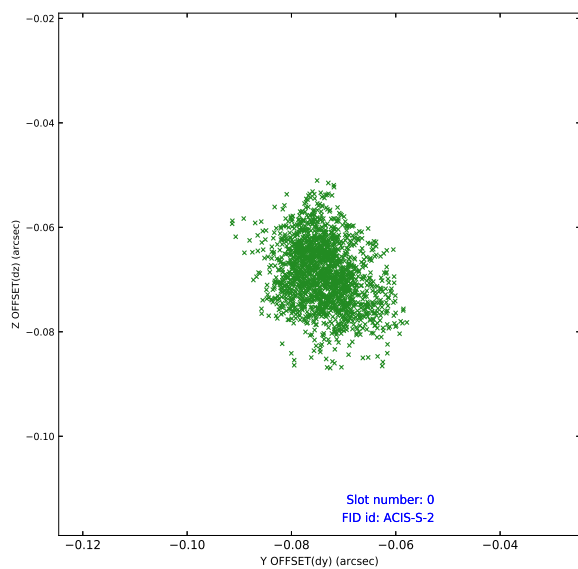


Time (s)

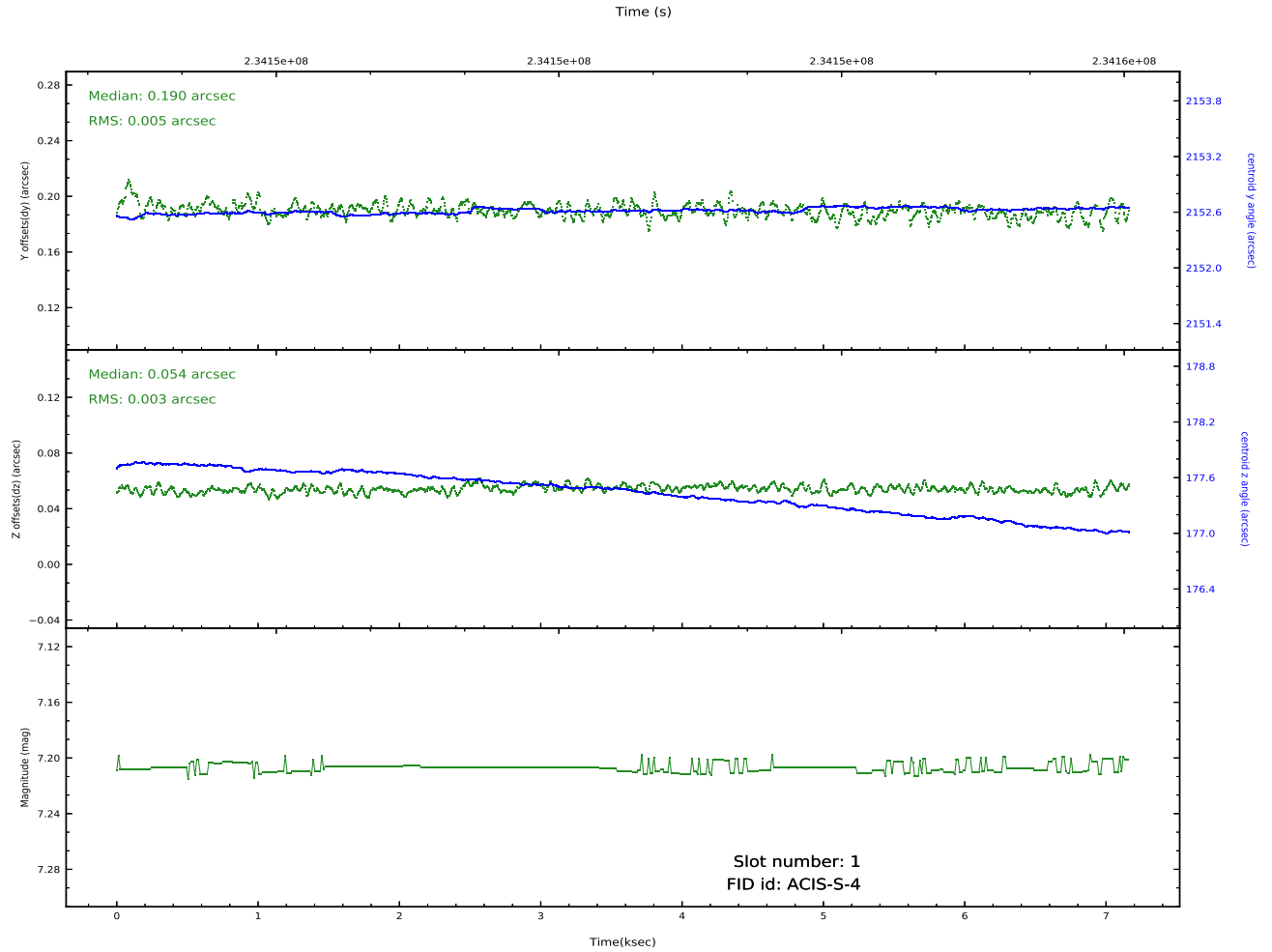
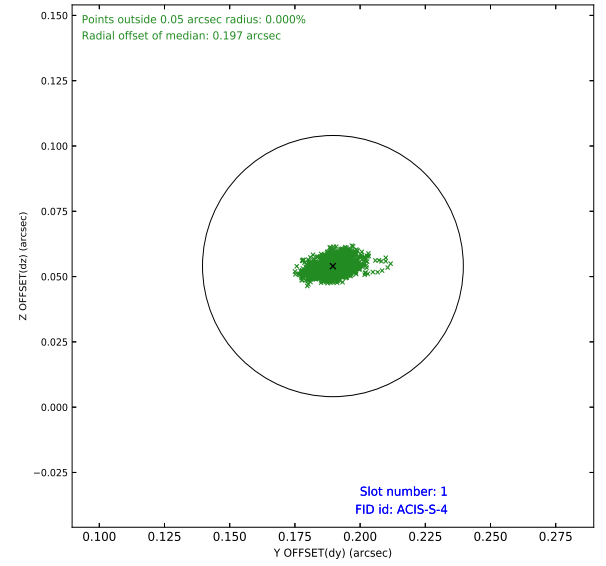
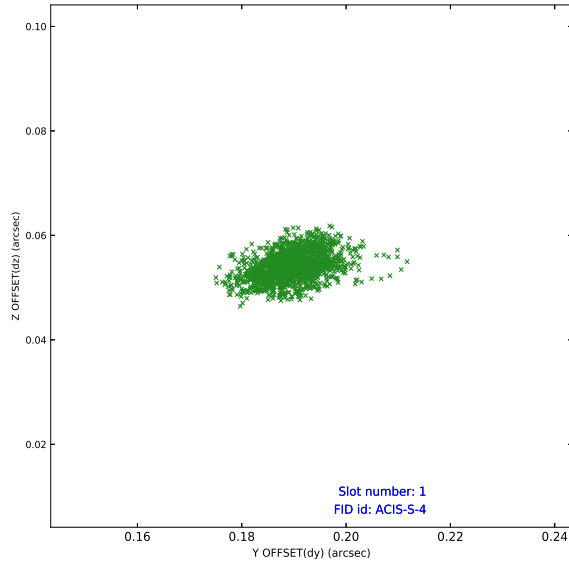


2.5 FID Slots

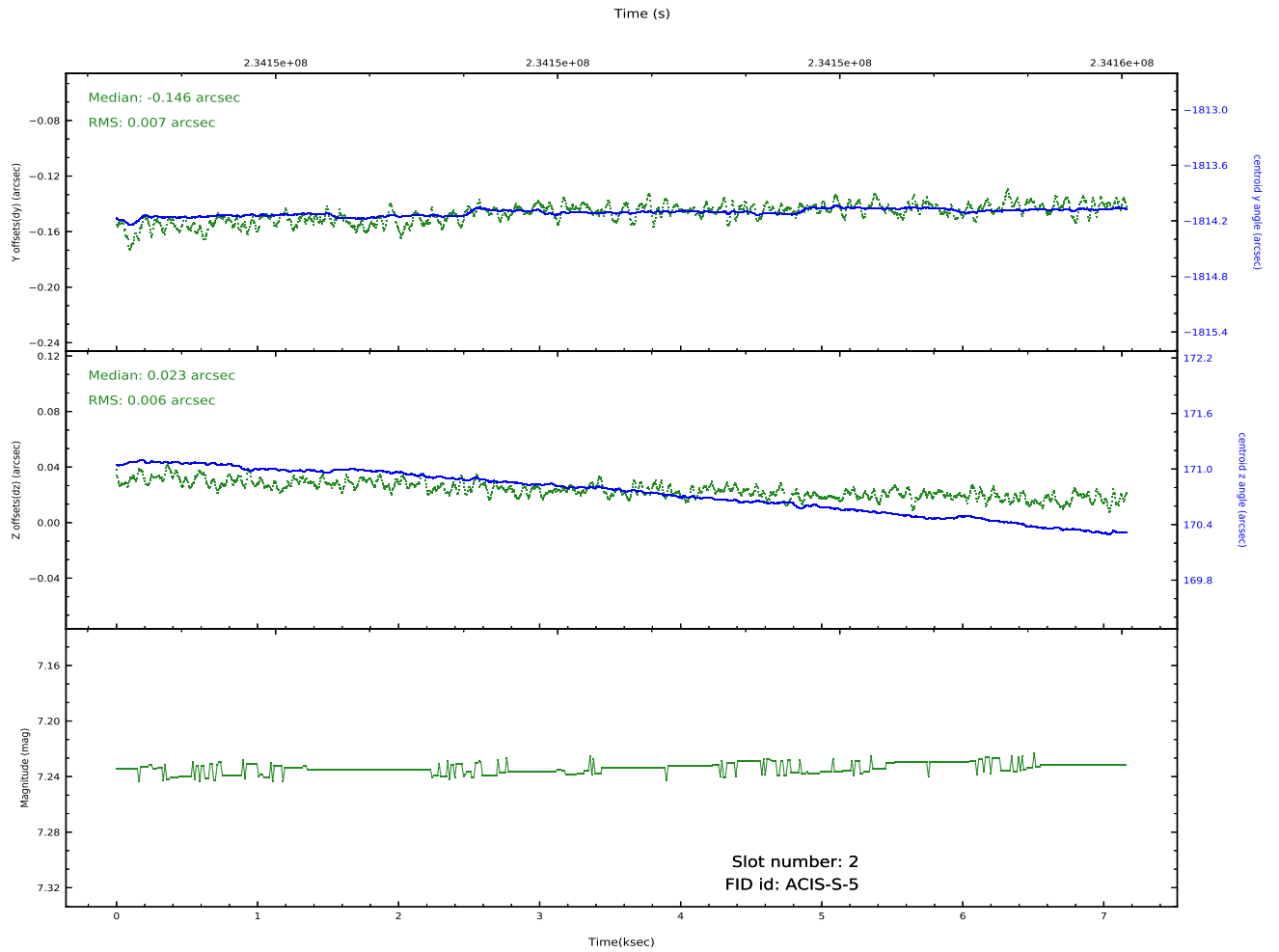
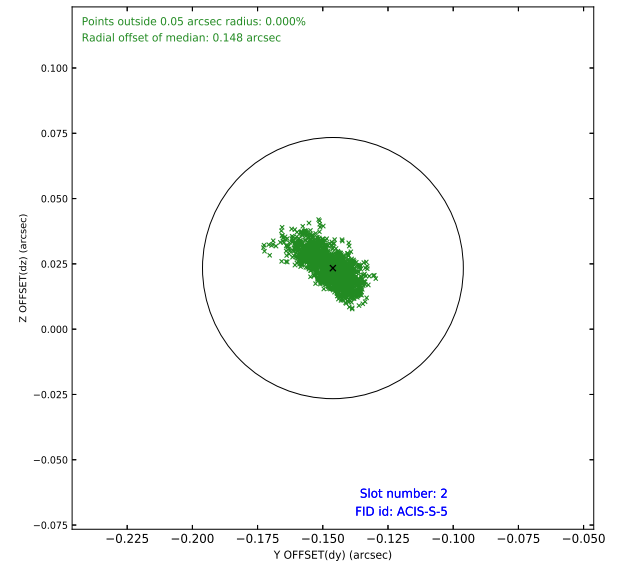
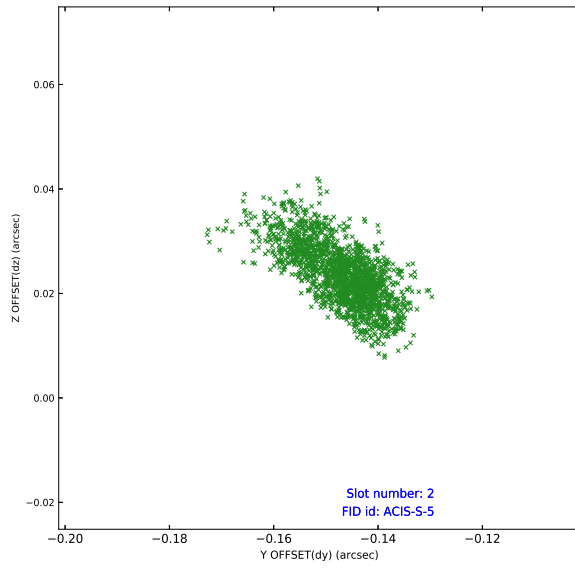
2.5.1 Slot 0



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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.055999

A.2 Comments