

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4537 - L2 Version 4
Chandra X-Ray Center

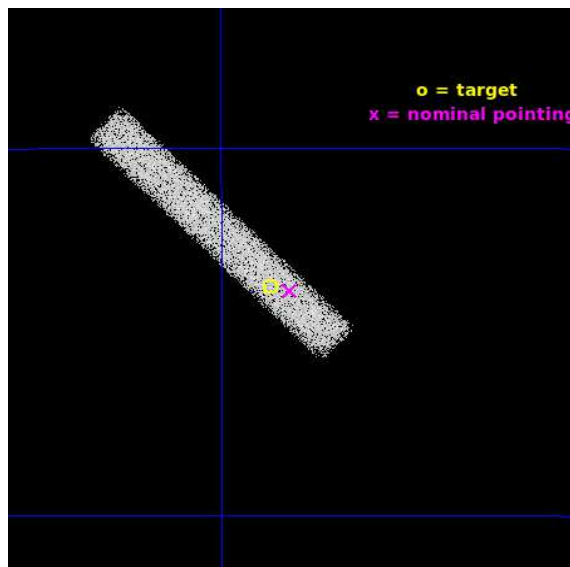
L2 Processing Date : Oct 8 2020

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1 Front

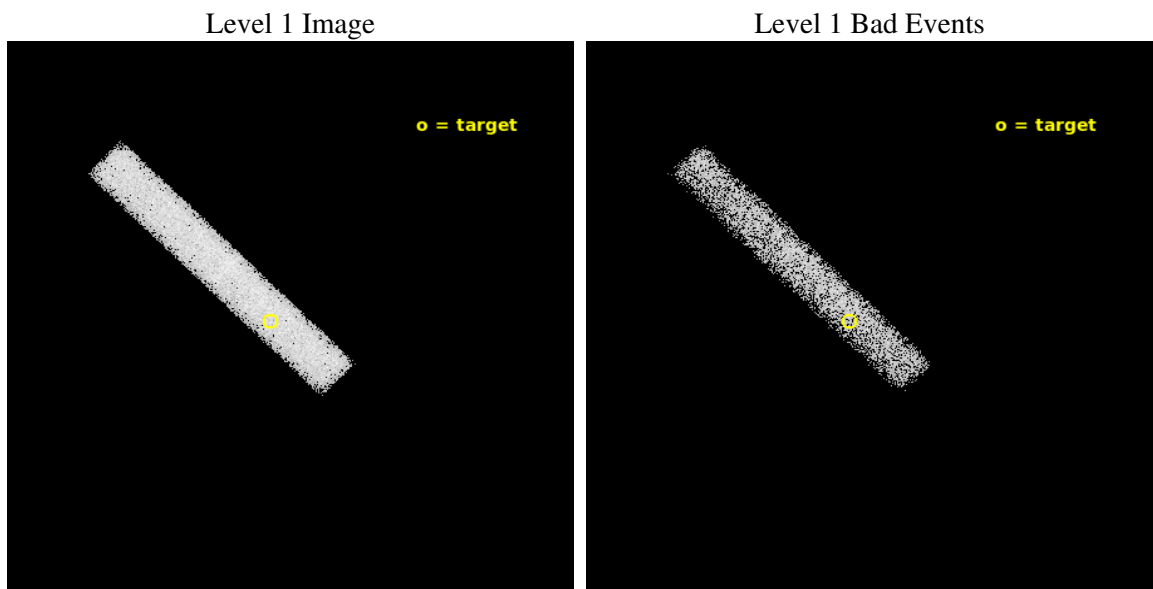
seq_num	300131	Sequence number
obs_id	4537	Observation id
title	Understanding the nature of supersoft X-ray sources	Proposal title
observer	Dr. Jochen Greiner	Principal investigator
object	RXJ 0537.7-7034	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.435833	Observer's specified target RA [deg]
dec_targ	-70.563056	Observer's specified target Dec [deg]
ra_nom	84.409763992046	Nominal RA [deg]
dec_nom	-70.564991502789	Nominal Dec [deg]
roll_nom	224.73709674509	Nominal Roll [deg]
revision	4	Processing version of data
ontime	32173.200479388	Sum of GTIs [s]
livetime	29179.39459404	Livetime [s]
ontime7	32173.200479388	Sum of GTIs [s]
l2events	19234	Number of level 2 events



2 OBI

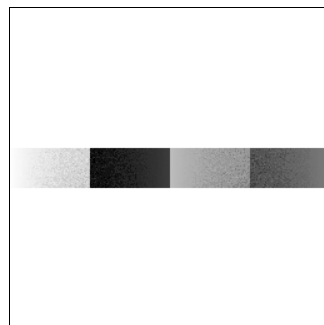
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	32173.200479388	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	32173.200479388	Sum of GTIs [s]
date	2020-10-08T06:41:22	Date and time of file creation	l1events	44638	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

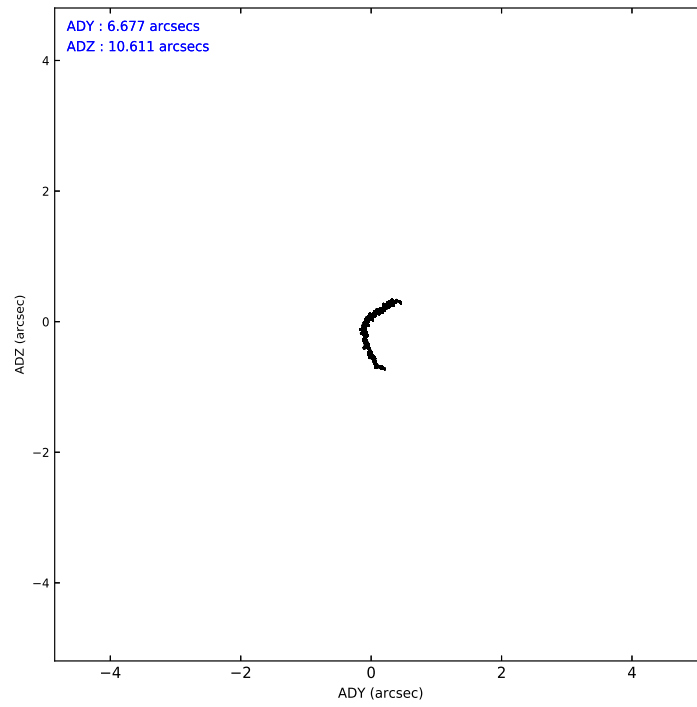
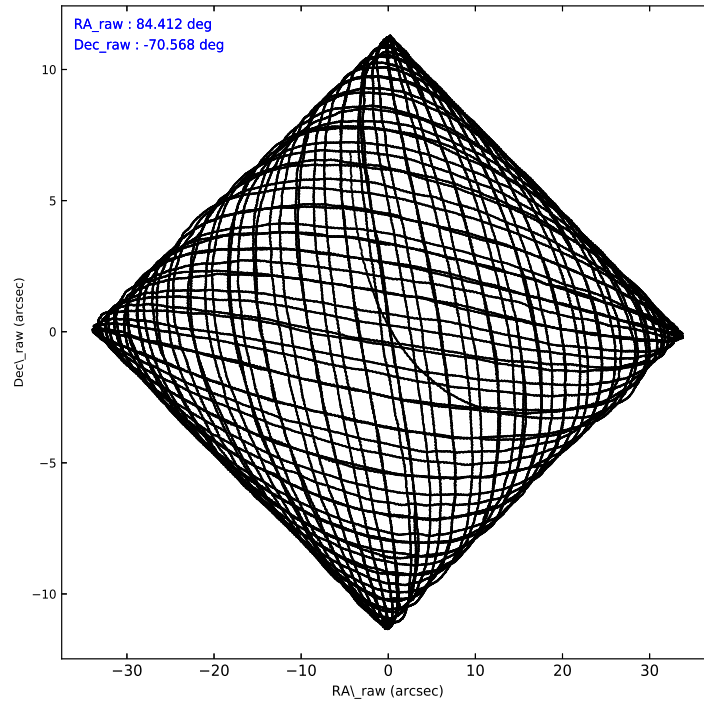
	ccd 7
level 1 events	44638
rejected events	24561
rejected %	55%

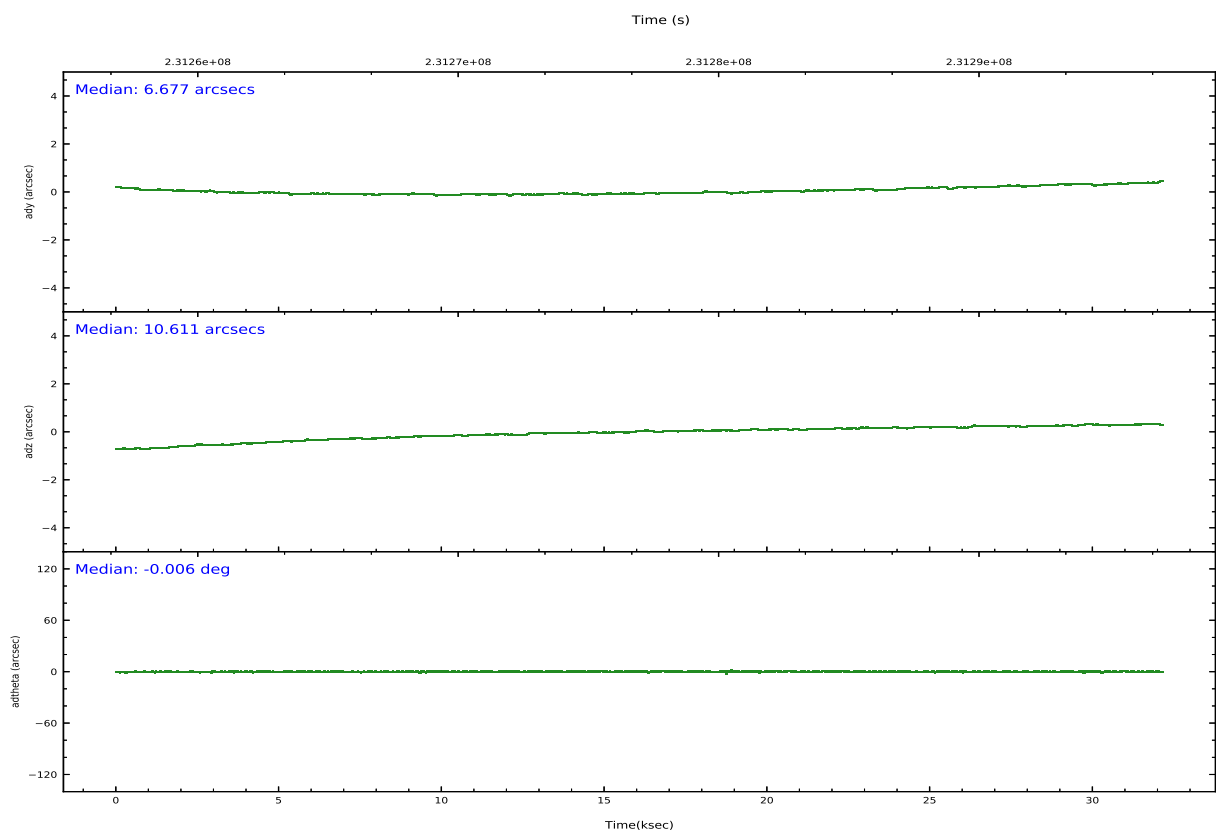
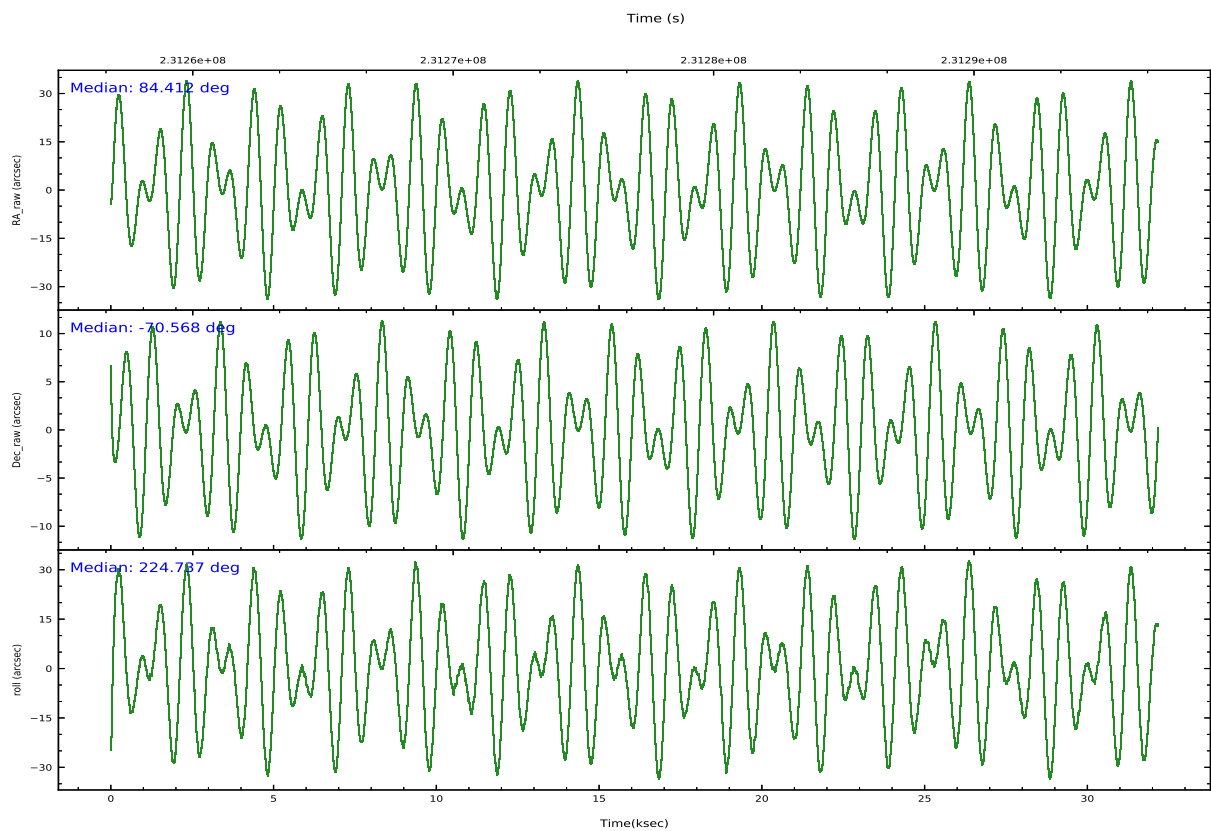
	ccd 7
grade 0 events	1985
	4%
grade 1 events	47
	0%
grade 2 events	3908
	8%
grade 3 events	2697
	6%
grade 4 events	2642
	5%
grade 5 events	4060
	9%
grade 6 events	9310
	20%
grade 7 events	19989
	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	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	84.432386	84.409763992046	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-70.542178	-70.564991502789	Subarray start row	449	449
[deg] Pointing Roll	224.599403	224.73709674509	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	231261655.184000	231260651.49264			
Observation start date	2005-04-30T15:19:51	2005-04-30T15:04:11			
[s] Observation end time (MET)	231293655.184000	231294569.76919			
Observation end date	2005-05-01T00:13:11	2005-05-01T00:29:29			
Read mode	TIMED	TIMED			

2.3 Aspect



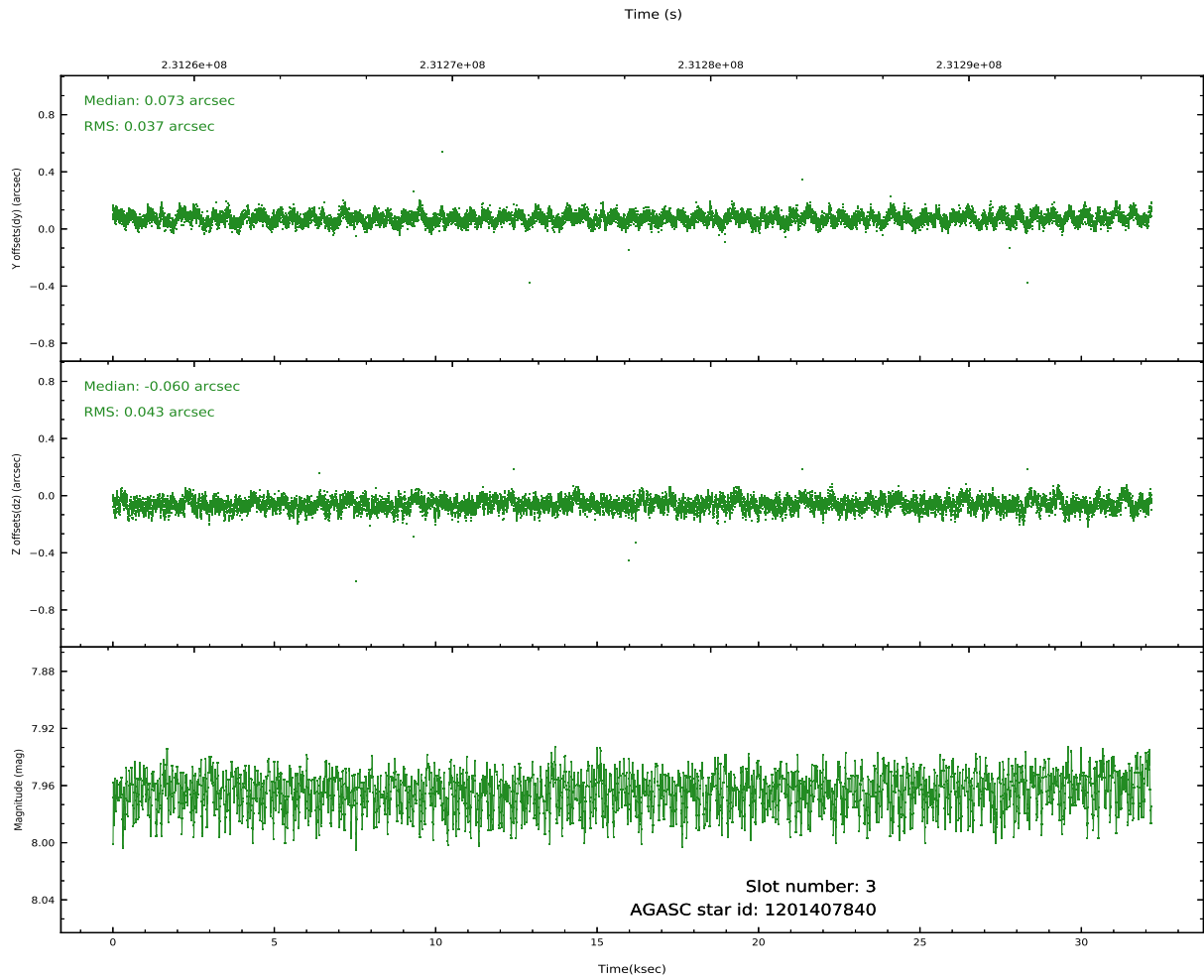
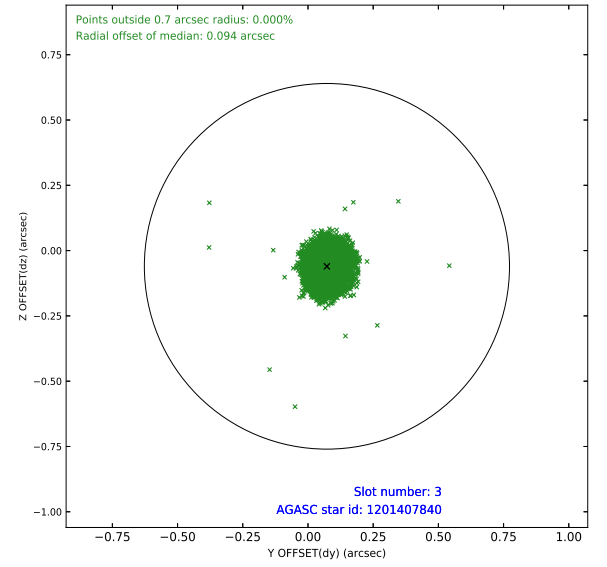
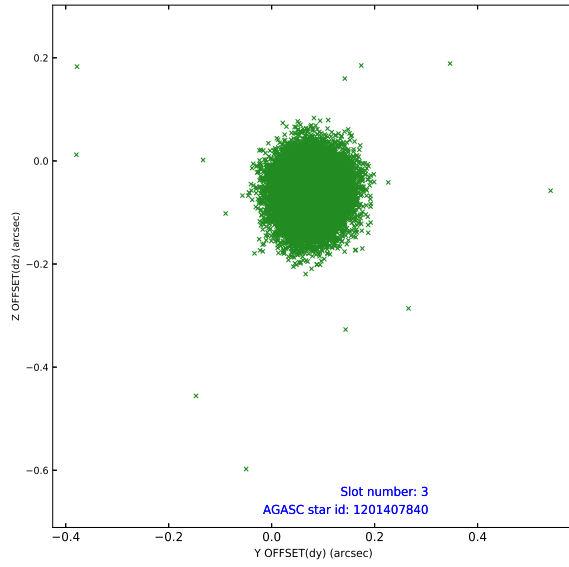


Slot Statistics

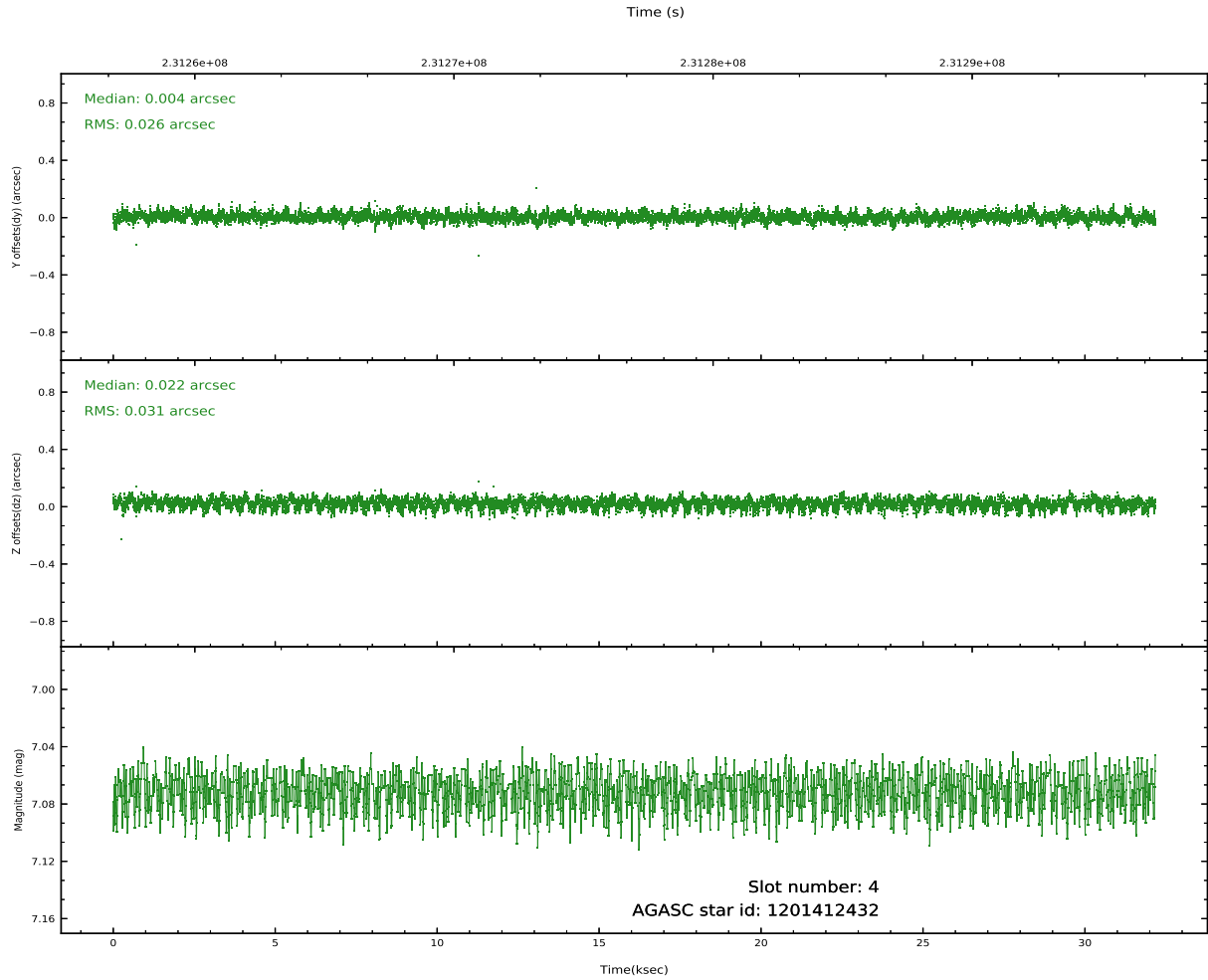
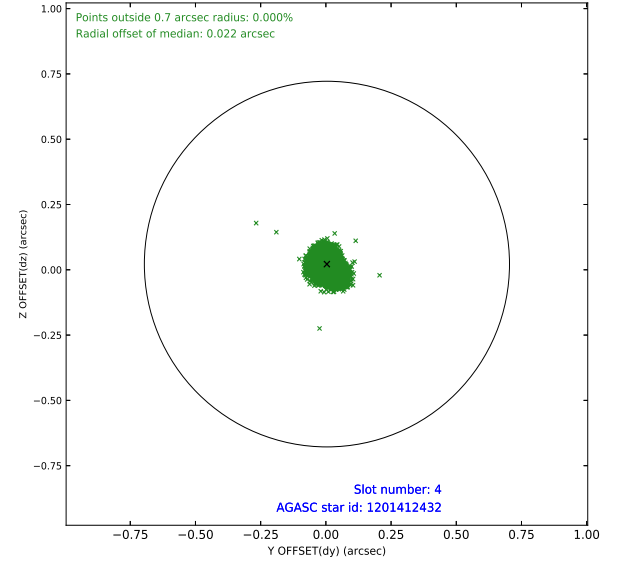
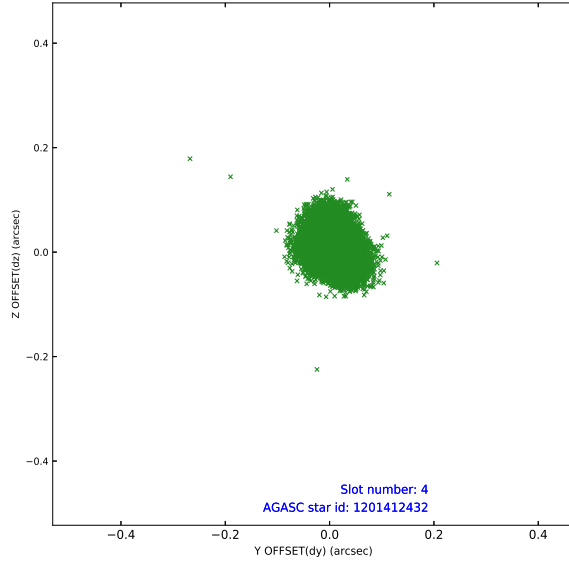
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	7848	1.000	-0.095	-0.060	0.009	0.015	0.000000	0.000000	-759.50	-1731
1	FID		ACIS-S-4	7.21	7847	1.000	0.162	0.062	0.009	0.016	0.000000	0.000000	2153.94	176
2	FID		ACIS-S-5	7.23	7847	1.000	-0.100	0.008	0.008	0.014	0.000000	0.000000	-1812.34	170
3	GUIDE	used	1201407840	7.96	15693	1.000	0.073	-0.060	0.060	0.095	83.696303	-70.172201	-290.76	-1575
4	GUIDE	used	1201412432	7.07	15696	1.000	0.004	0.022	0.043	0.072	83.813525	-71.137747	2021.00	1023
5	GUIDE	used	1201541752	7.30	15696	1.000	-0.021	0.118	0.048	0.078	85.373891	-70.033762	-2102.45	-484
6	GUIDE	used	1201542672	8.18	15689	1.000	-0.007	-0.118	0.066	0.105	84.492488	-69.957531	-1531.15	-1447
7	GUIDE	used	1201409792	8.86	15687	1.000	-0.049	0.040	0.071	0.113	82.417975	-70.260186	1059.76	-2413

2.4 Star Slots

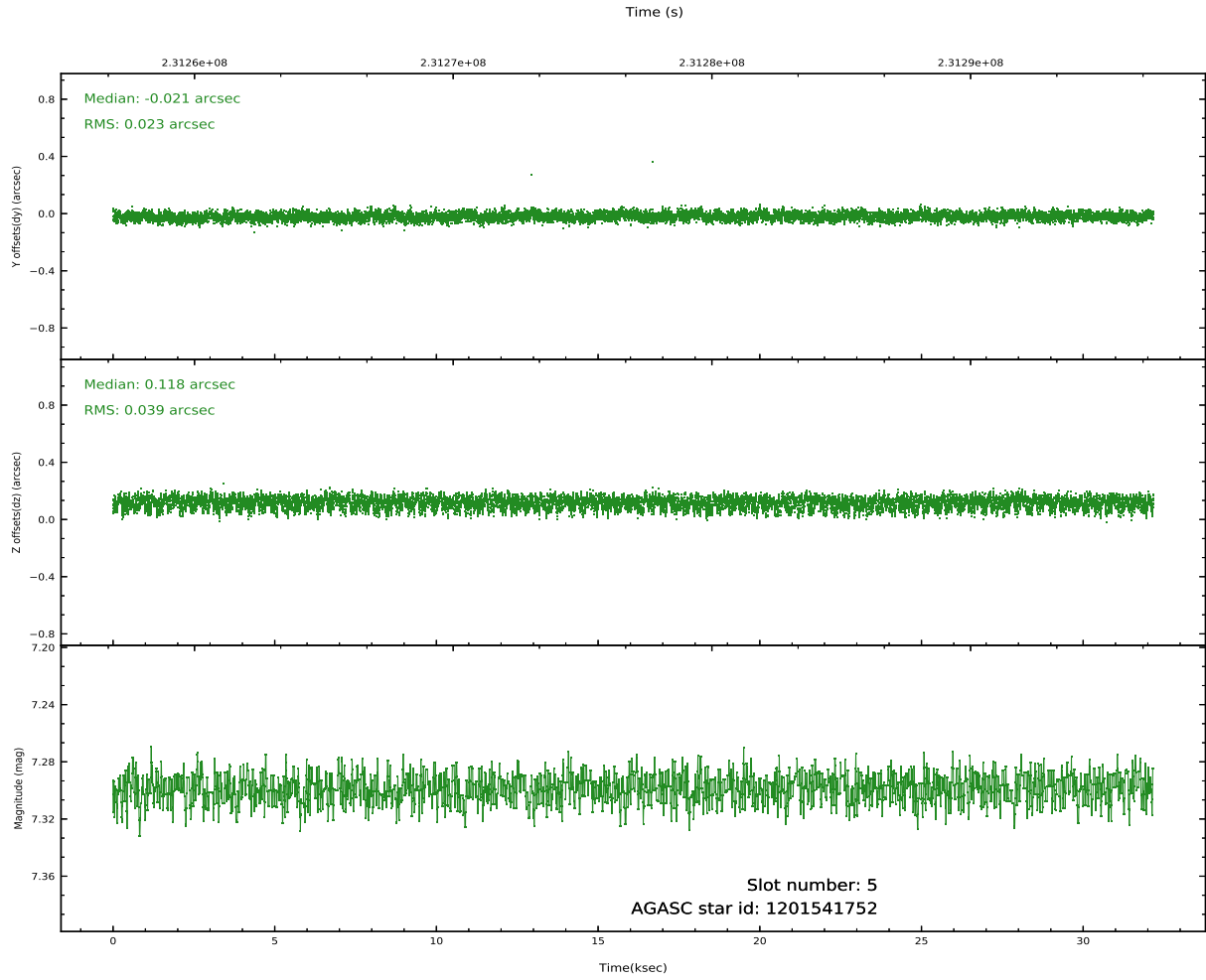
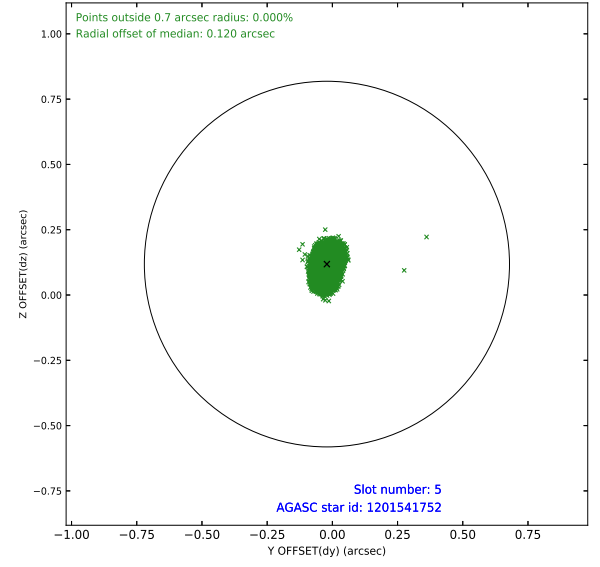
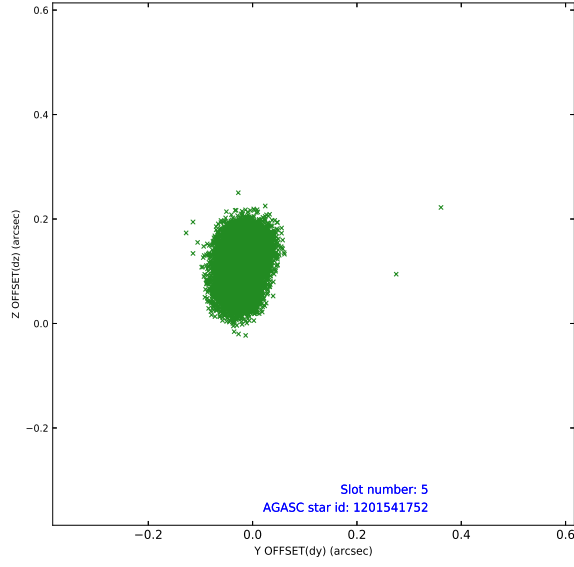
2.4.1 Slot 3



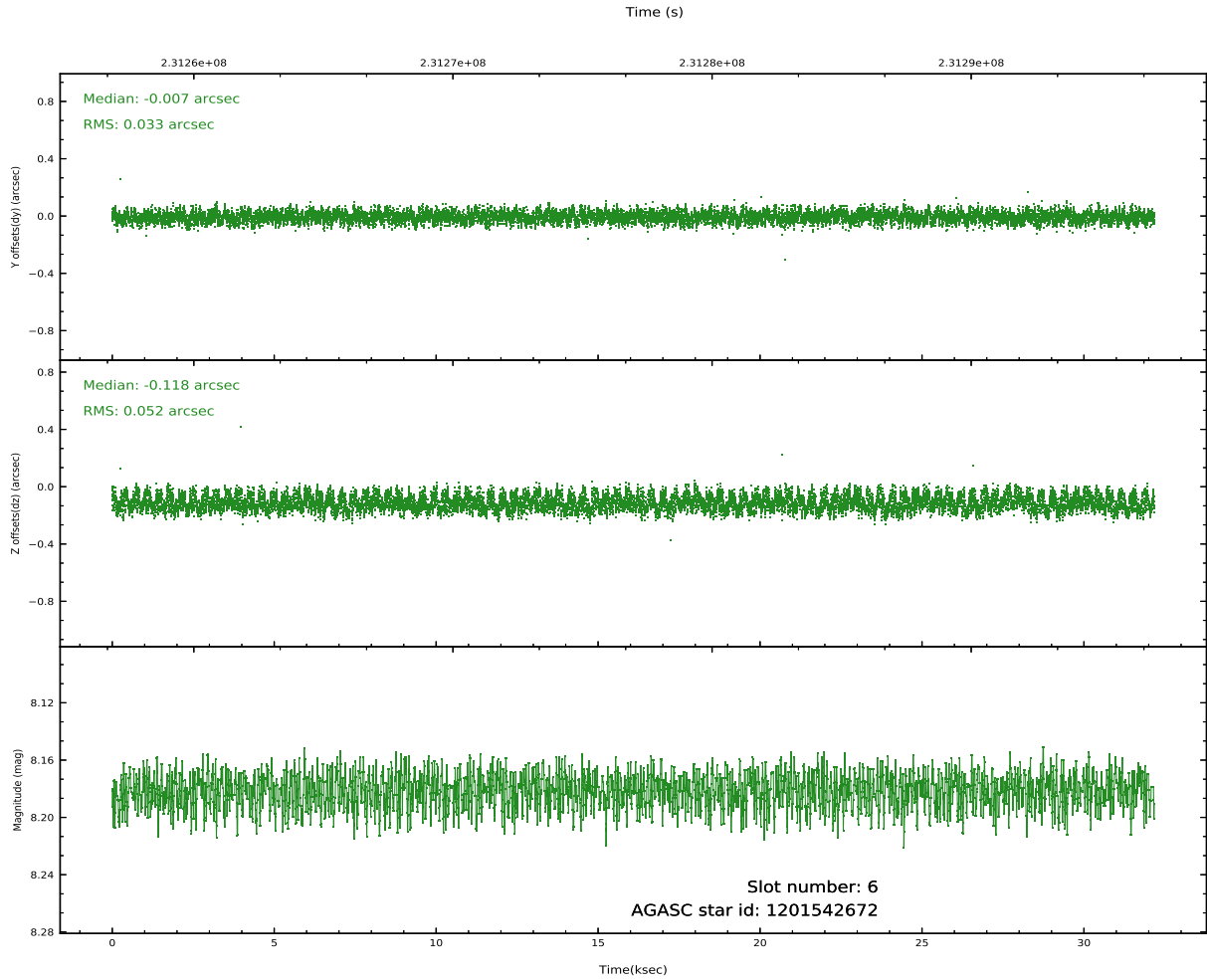
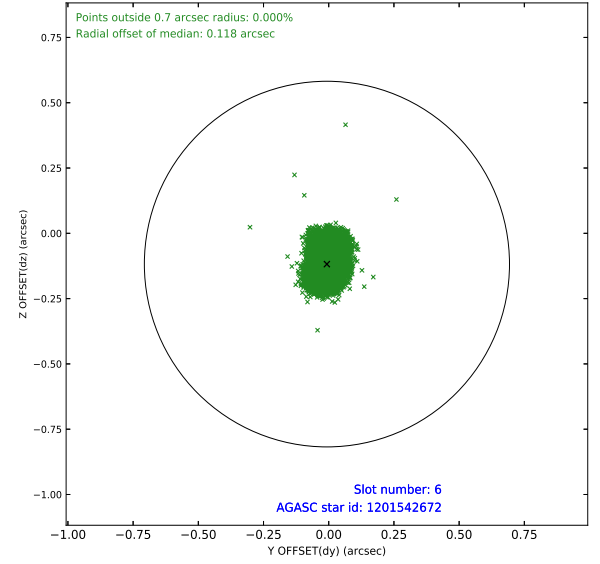
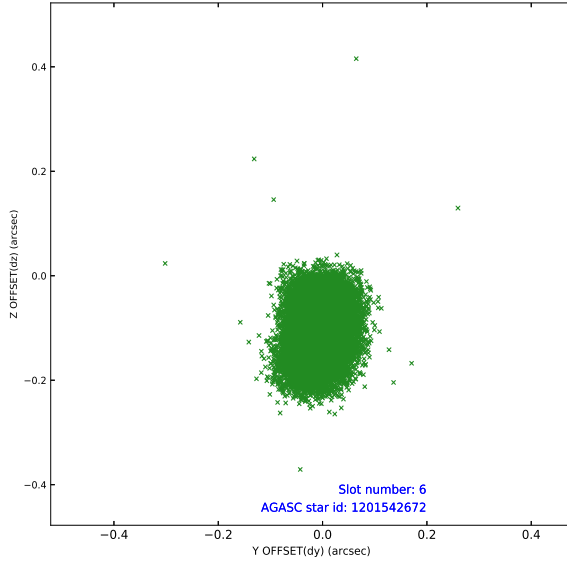
2.4.2 Slot 4



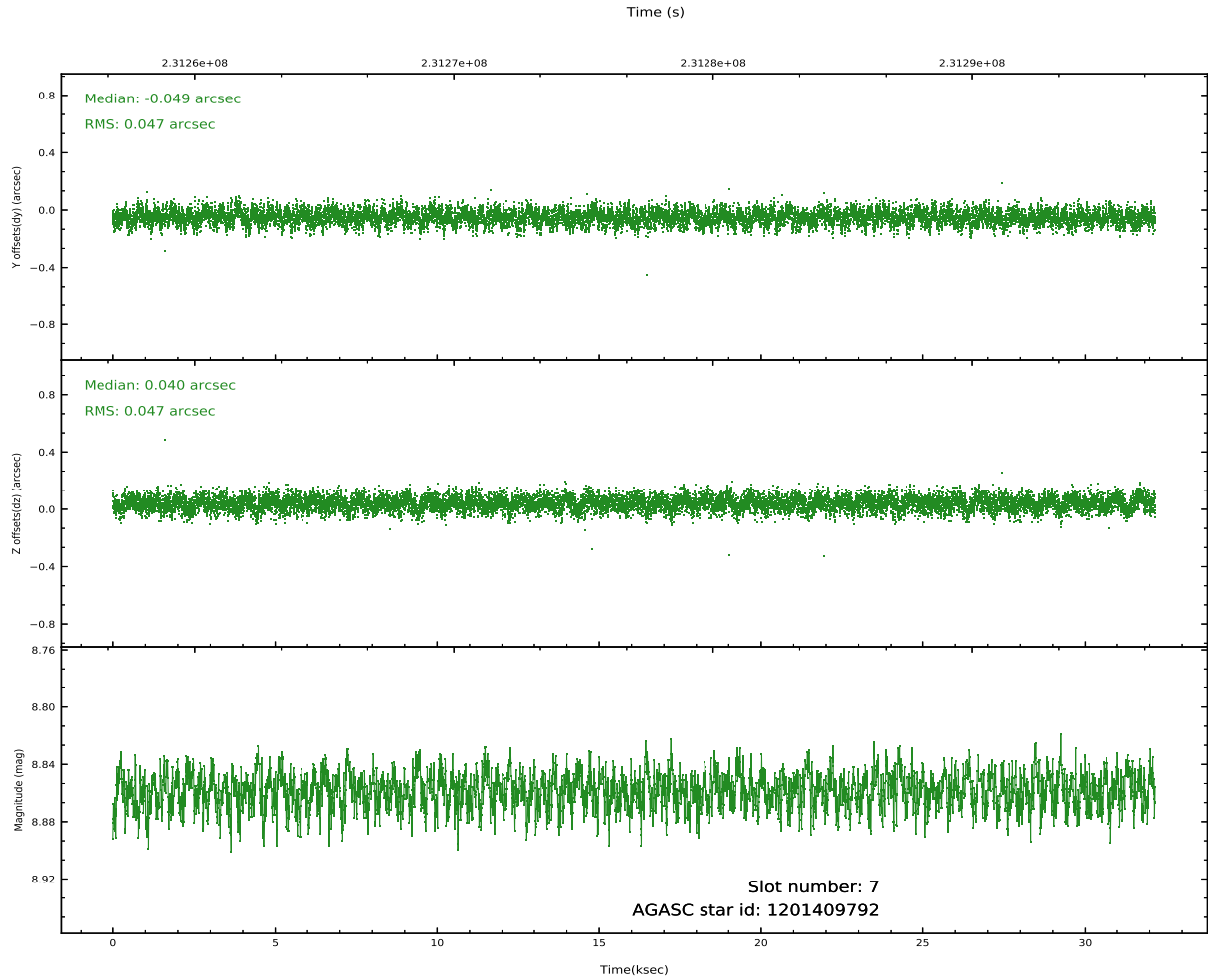
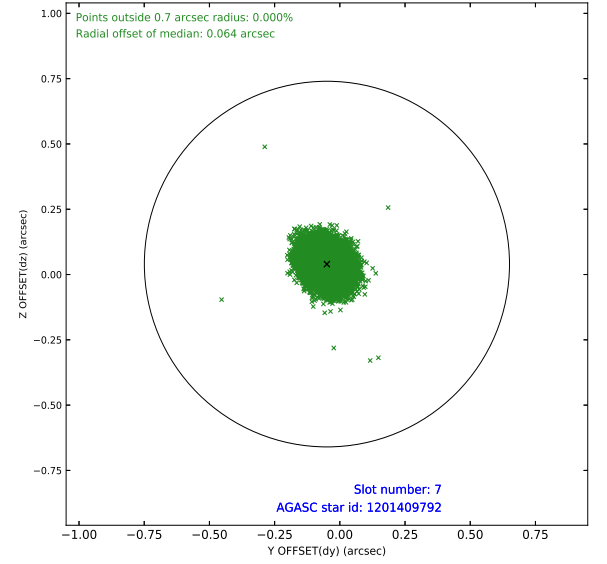
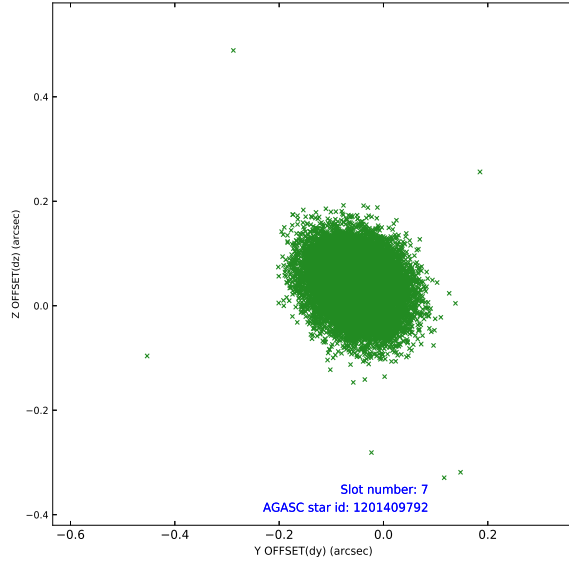
2.4.3 Slot 5



2.4.4 Slot 6

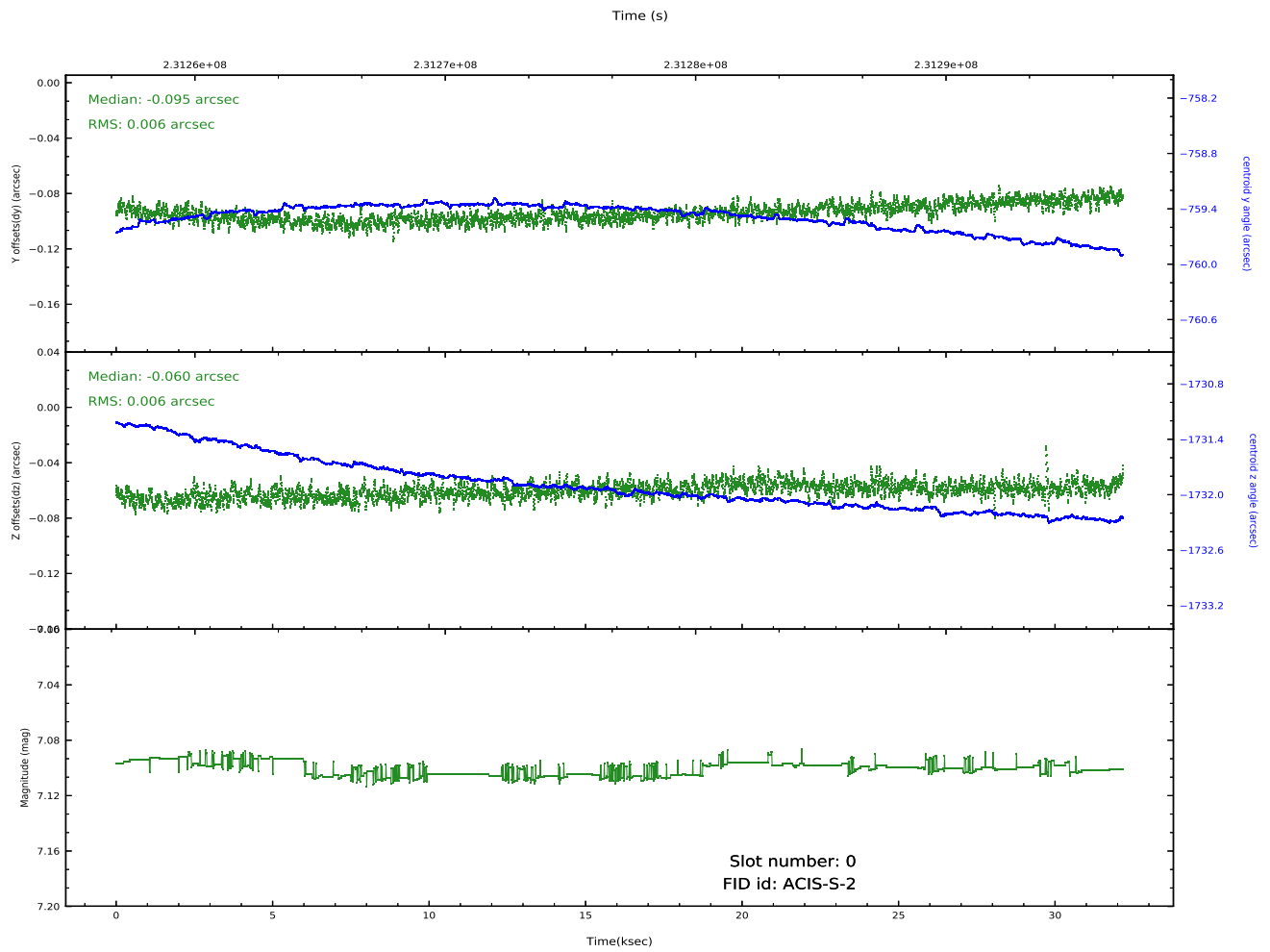
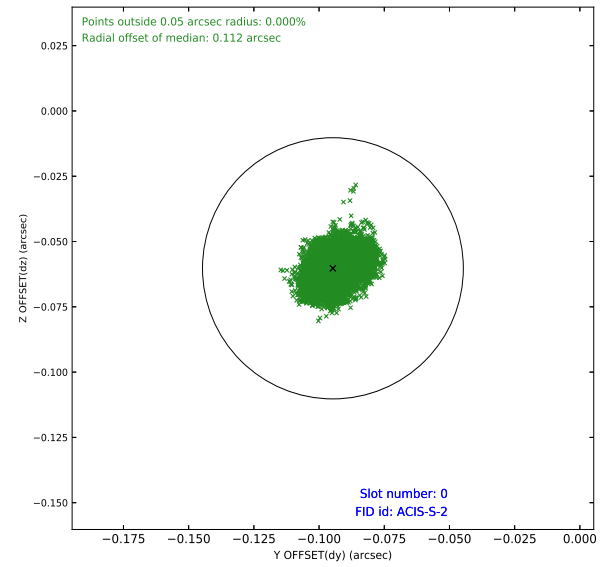
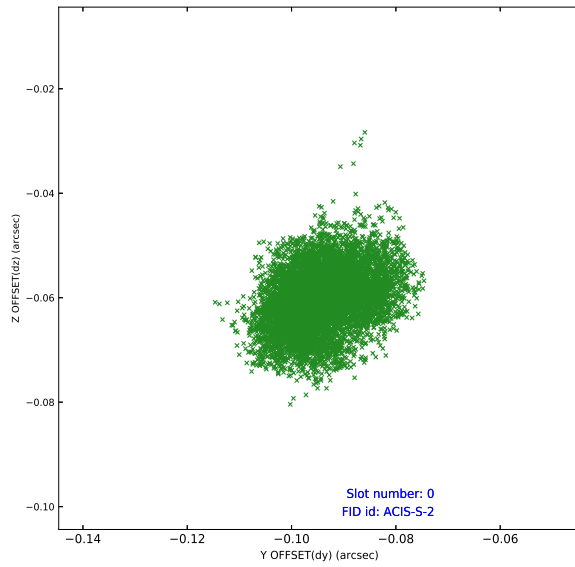


2.4.5 Slot 7

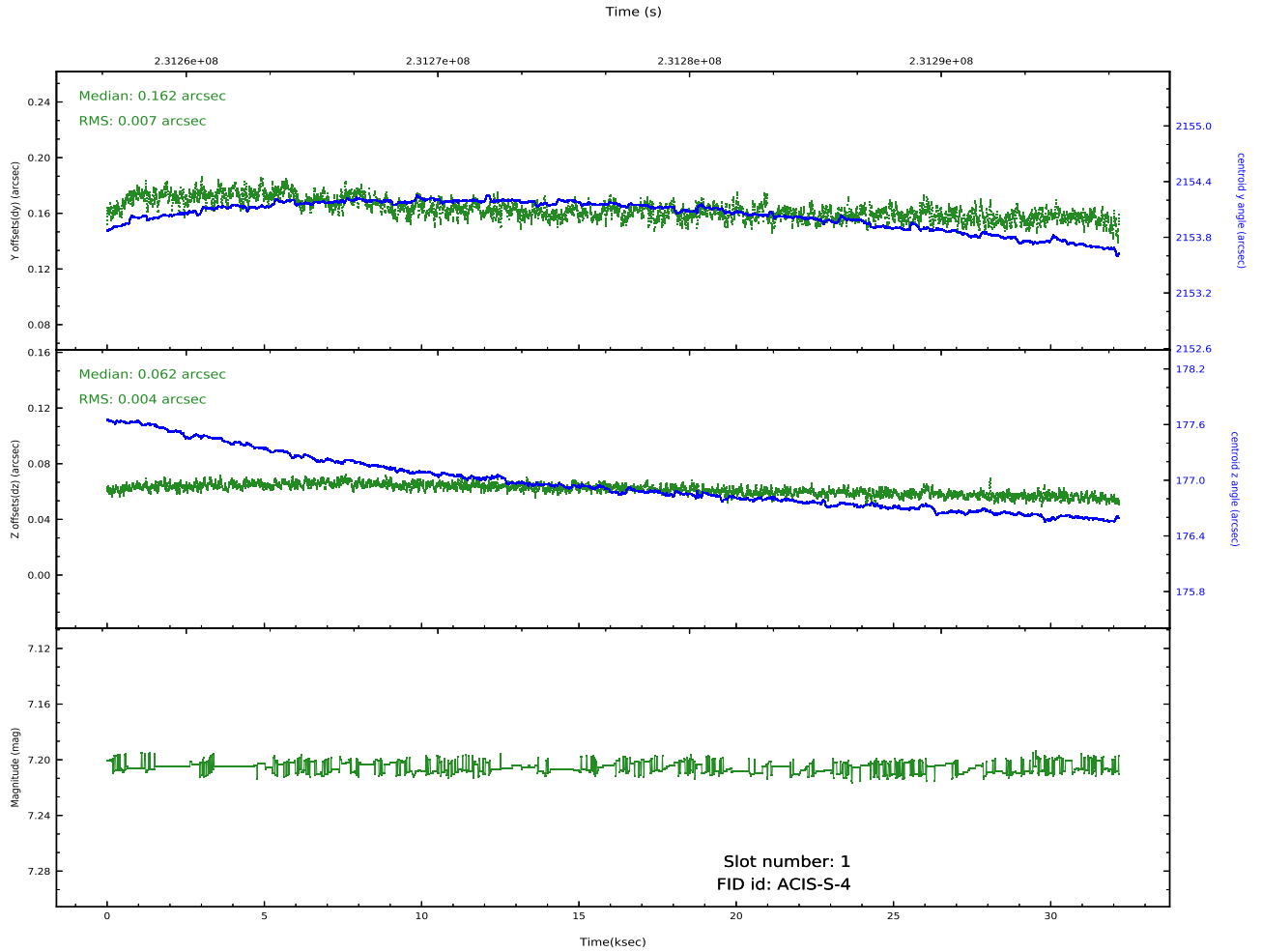
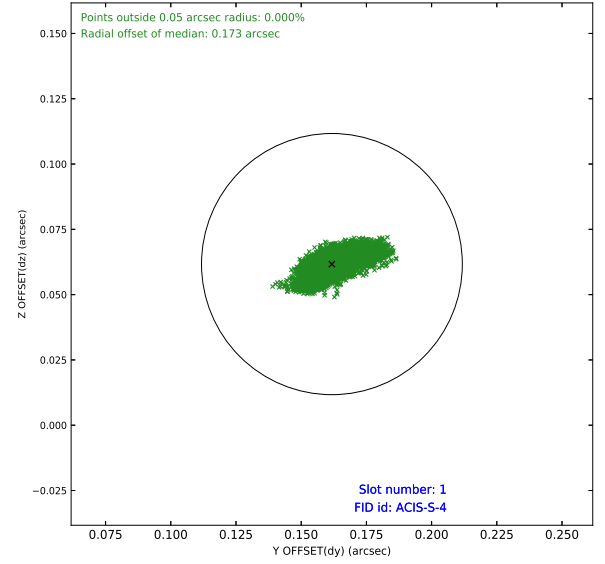
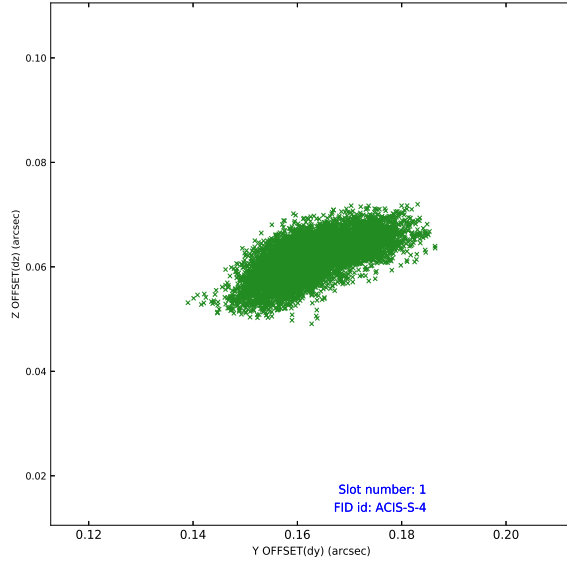


2.5 FID Slots

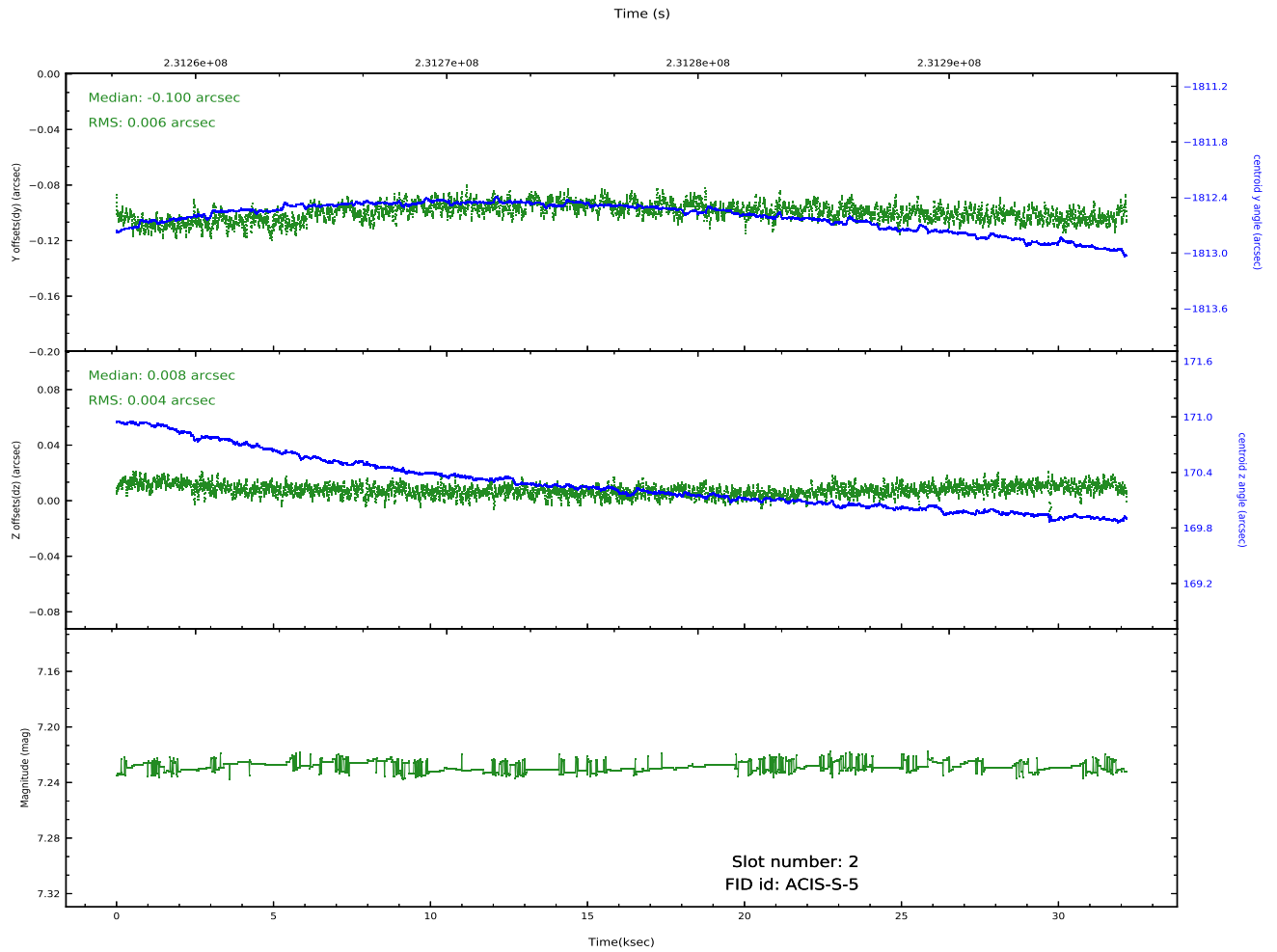
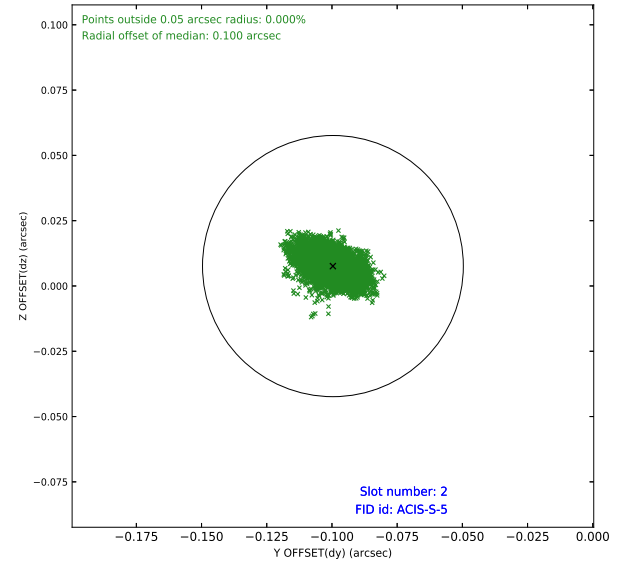
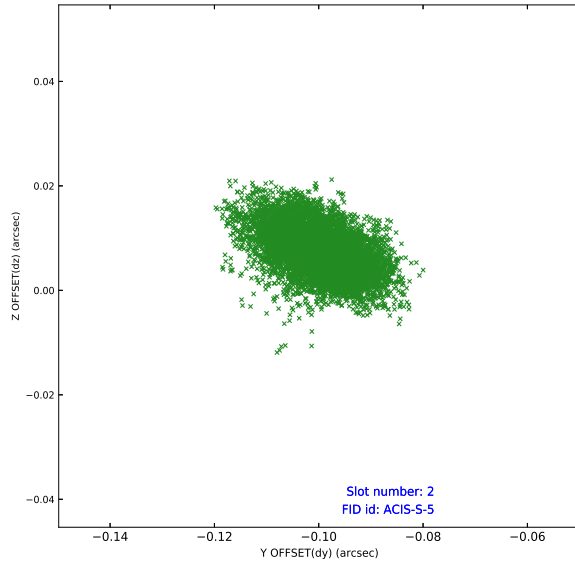
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.1732

A.2 Comments