

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5592 - L2 Version 4
Chandra X-Ray Center

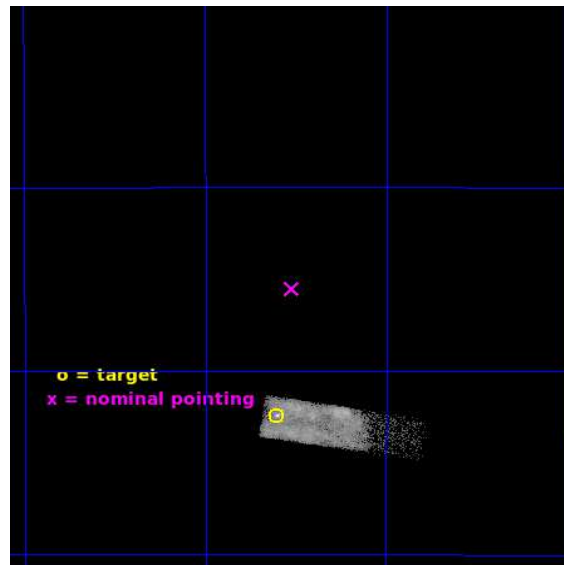
L2 Processing Date : Oct 6 2020

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1 Front

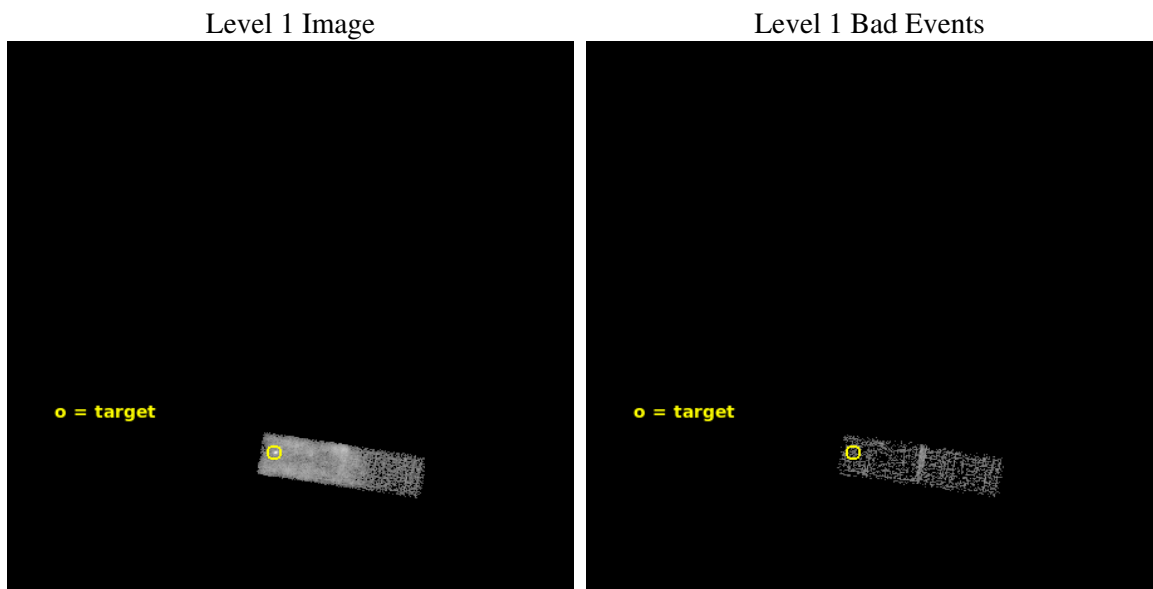
seq_num	500581	Sequence number
obs_id	5592	Observation id
title	Monitoring of the Central Object in RCW103	Proposal title
observer	Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.38048452135	Nominal RA [deg]
dec_nom	-50.925505526016	Nominal Dec [deg]
roll_nom	99.102721212587	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5676.000084579	Sum of GTIs [s]
livetime	5399.0298531143	Livetime [s]
ontime3	5676.000084579	Sum of GTIs [s]
l2events	22081	Number of level 2 events



2 OBI

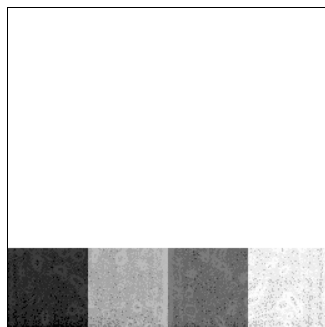
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5497.297000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5676.000084579	Sum of GTIs [s]
caldsver	4.9.2	 	ontime3	5676.000084579	Sum of GTIs [s]
date	2020-10-06T08:40:37	Date and time of file creation	l1events	34540	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

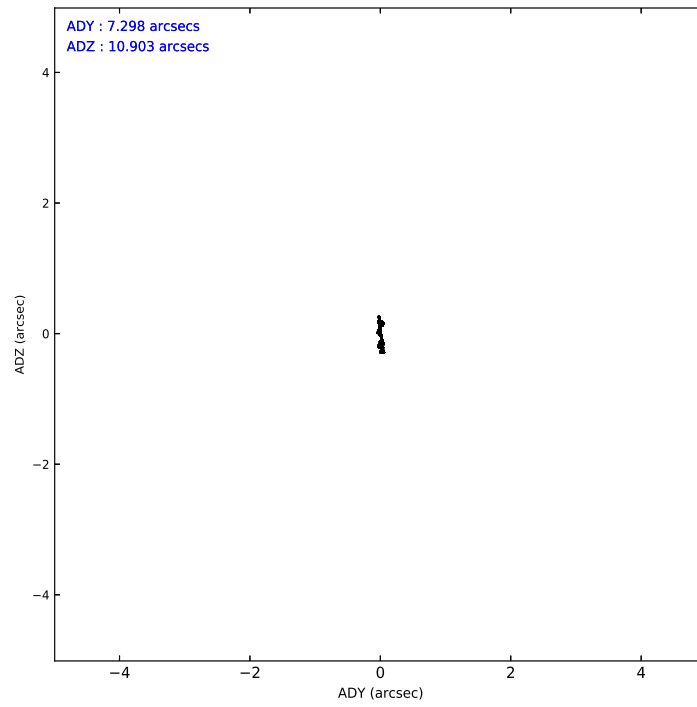
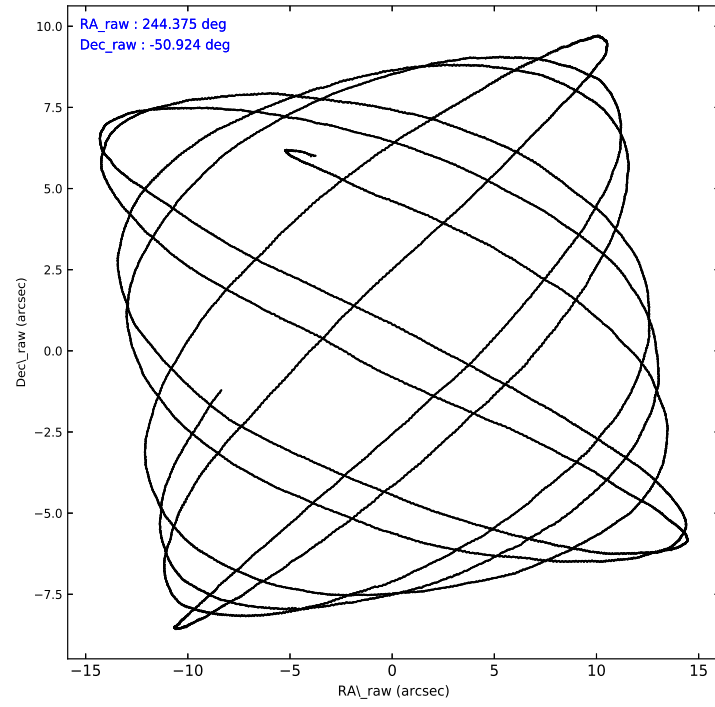
	ccd 3
level 1 events	34540
rejected events	11697
rejected %	33%

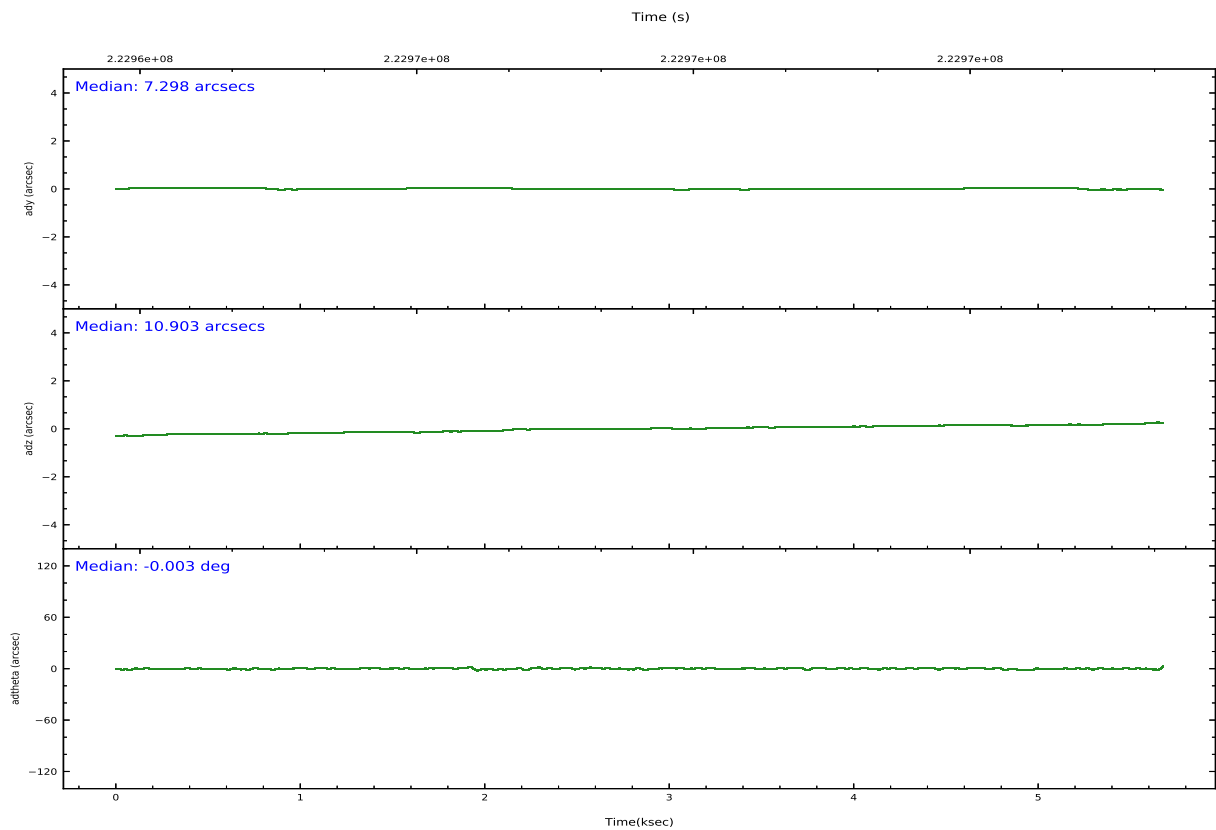
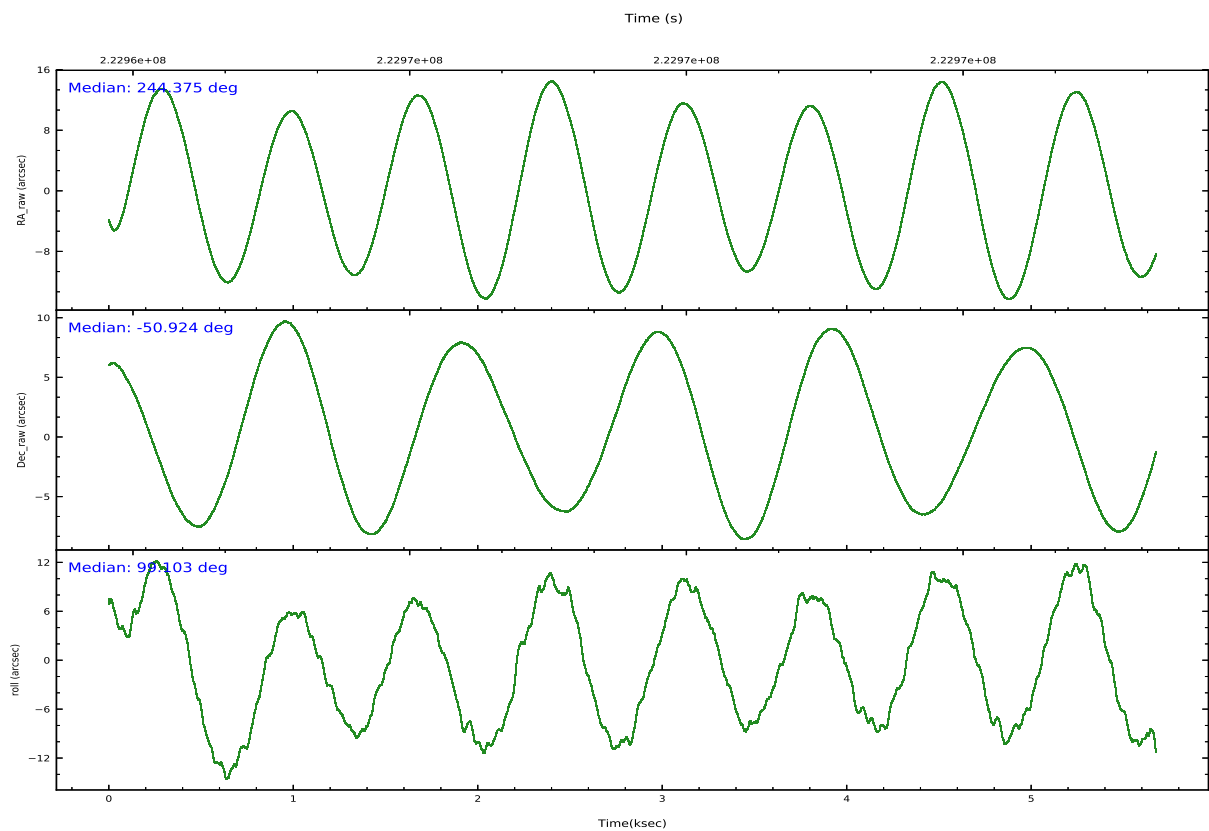
	ccd 3
grade 0 events	19739
	57%
grade 1 events	37
	0%
grade 2 events	2055
	5%
grade 3 events	748
	2%
grade 4 events	711
	2%
grade 5 events	203
	0%
grade 6 events	406
	1%
grade 7 events	10641
	30%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-3	ACIS-3	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	244.402672	244.38048452135	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-50.944979	-50.925505526016	Subarray start row	1	1
[deg] Pointing Roll	98.924203	99.102721212587	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	222964048.184000	222962313.64137			
Observation start date	2005-01-24T14:26:24	2005-01-24T13:58:33			
[s] Observation end time (MET)	222969546.184000	222969781.7917			
Observation end date	2005-01-24T15:58:02	2005-01-24T16:03:01			
Read mode	TIMED	TIMED			

2.3 Aspect



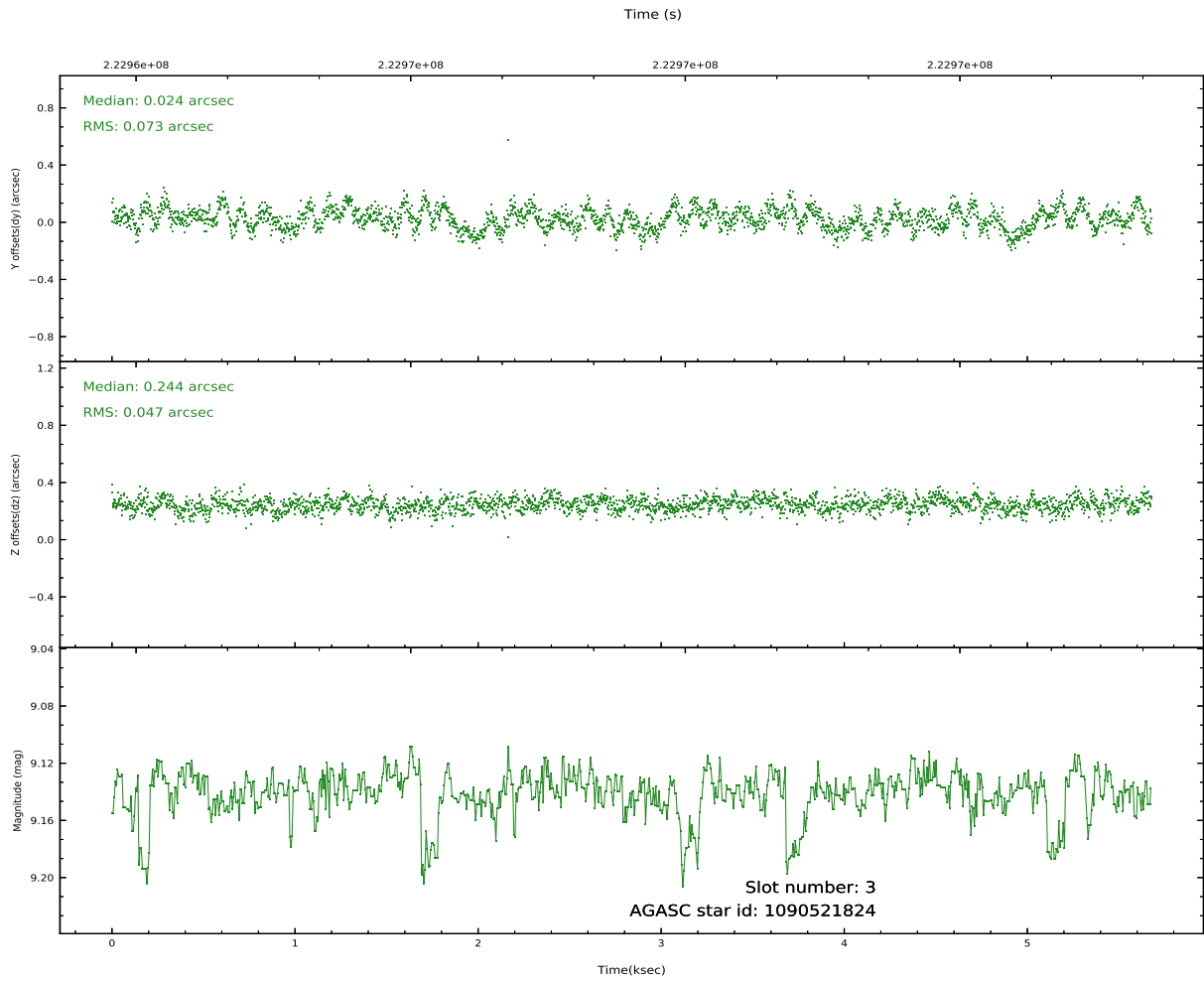
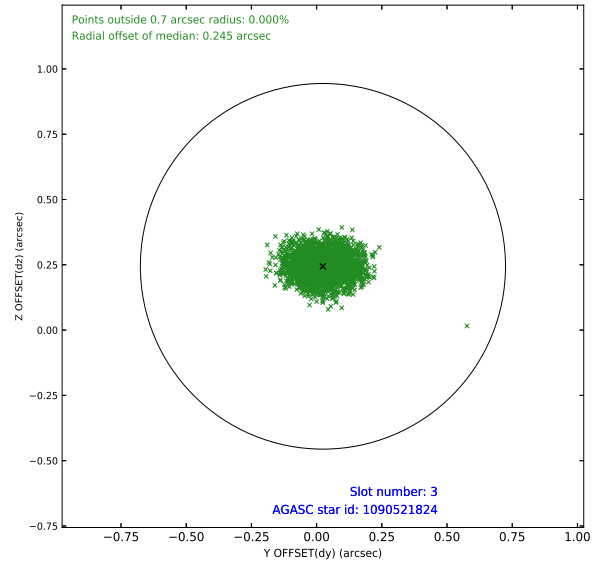
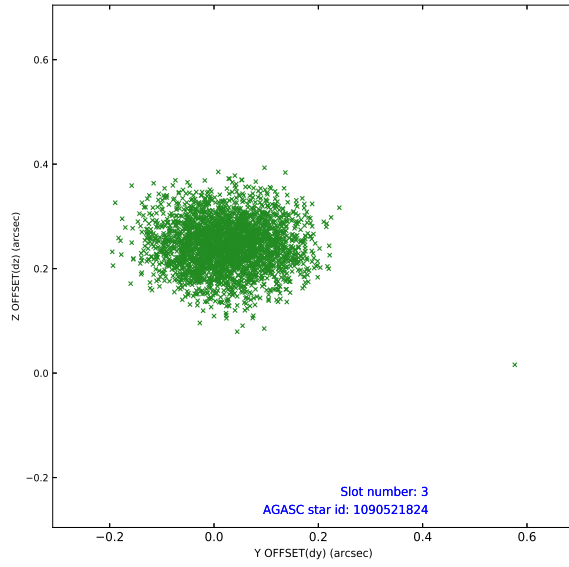


Slot Statistics

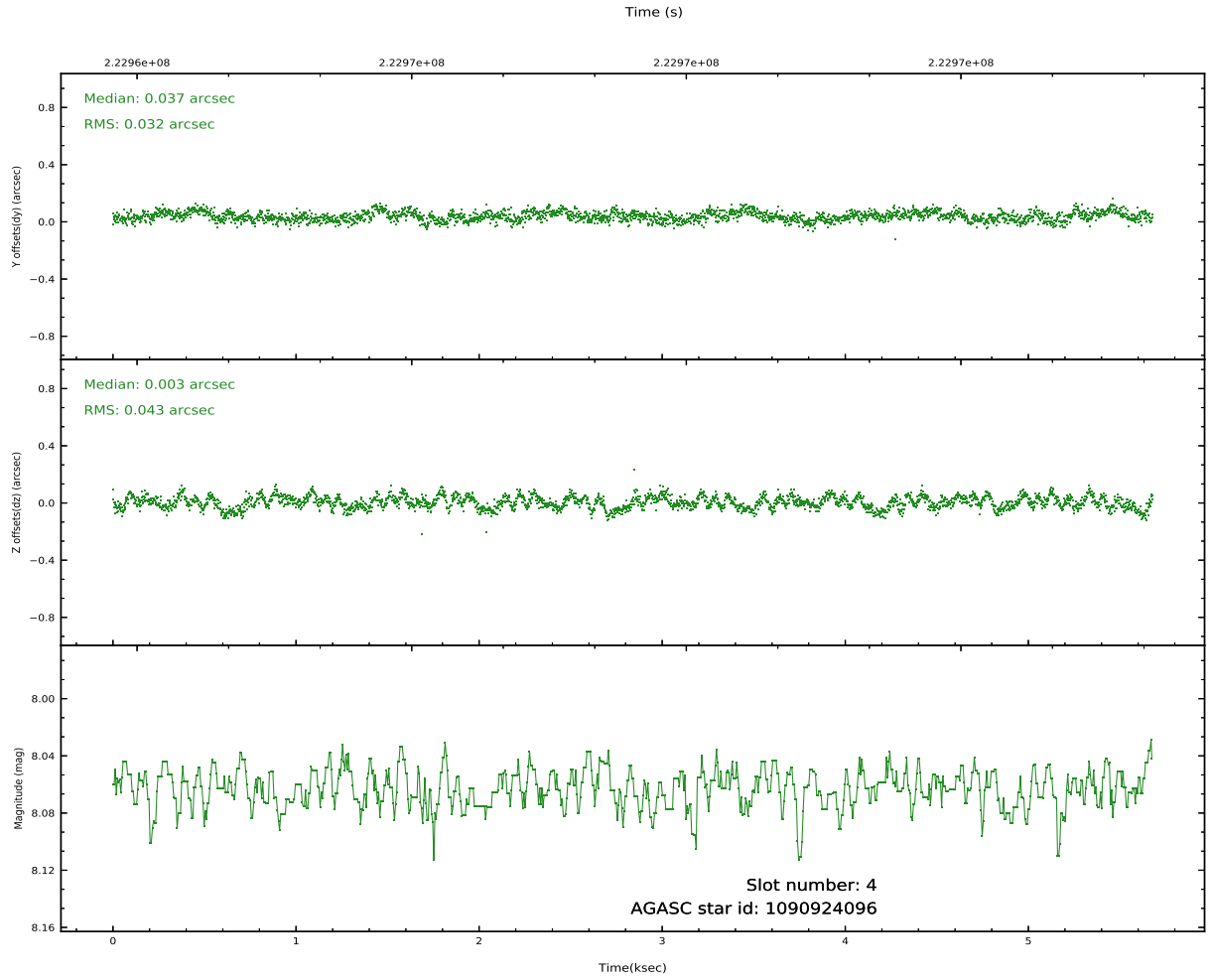
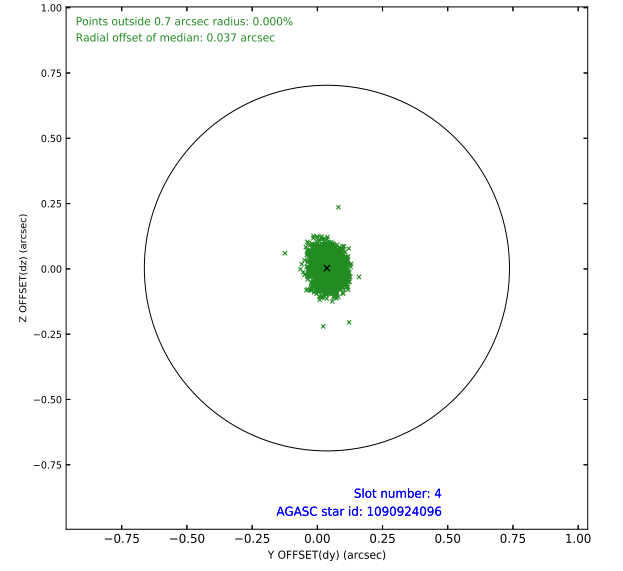
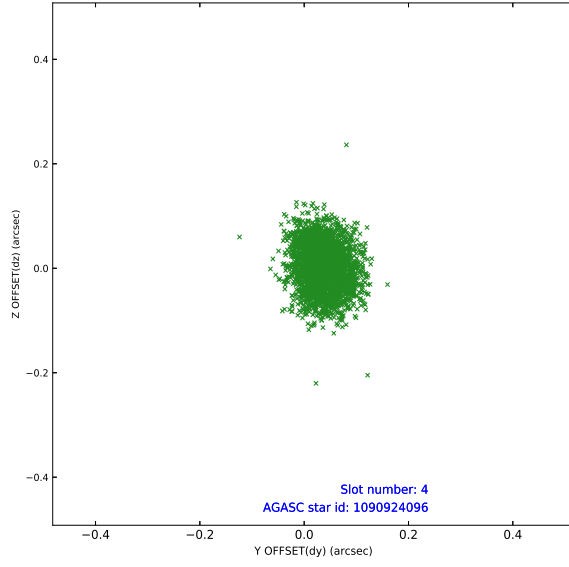
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	1384	1.000	-0.023	-0.071	0.013	0.025	0.000000	0.000000	932.35	-834
1	FID		ACIS-I-4	7.18	1385	1.000	0.166	0.083	0.010	0.017	0.000000	0.000000	2153.16	1065
2	FID		ACIS-I-5	7.22	1386	1.000	-0.241	0.058	0.008	0.012	0.000000	0.000000	-1814.52	1063
3	GUIDE	used	1090521824	9.14	2765	1.000	0.024	0.244	0.092	0.150	244.711253	-50.470098	1578.41	-963
4	GUIDE	used	1090924096	8.06	2771	1.000	0.037	0.003	0.058	0.091	243.849549	-51.016855	-65.03	1277
5	GUIDE	used	1091059112	9.05	2768	1.000	-0.062	0.207	0.106	0.164	245.180420	-50.736664	457.58	-1864
6	GUIDE	used	1090921440	8.94	2770	1.000	0.020	-0.207	0.091	0.148	243.292741	-50.752608	1057.80	2392
7	GUIDE	used	1090924384	8.06	2770	1.000	-0.006	-0.244	0.070	0.109	243.330505	-50.934017	399.31	2400

2.4 Star Slots

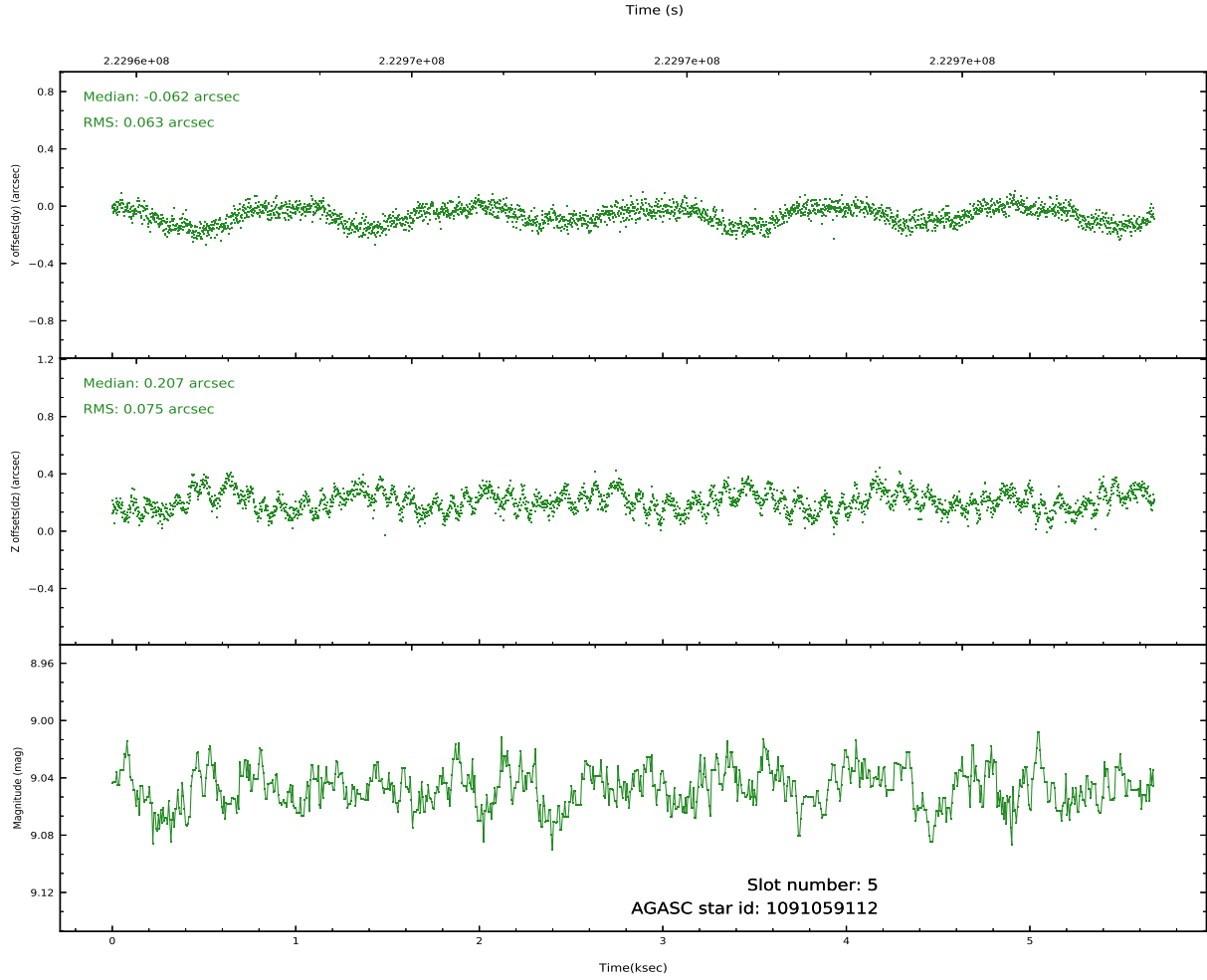
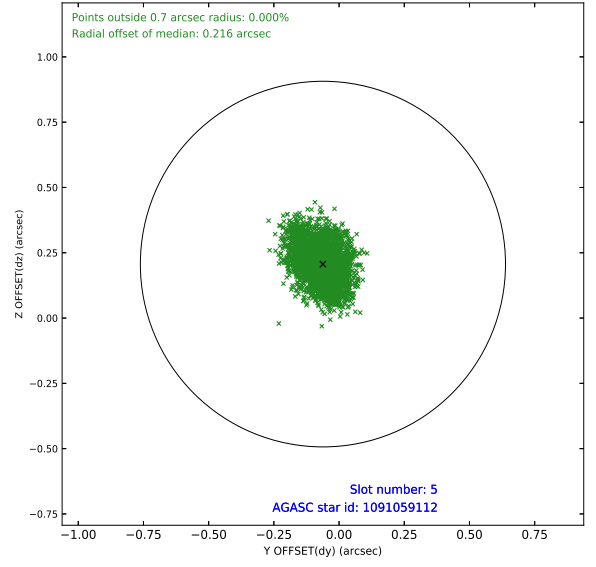
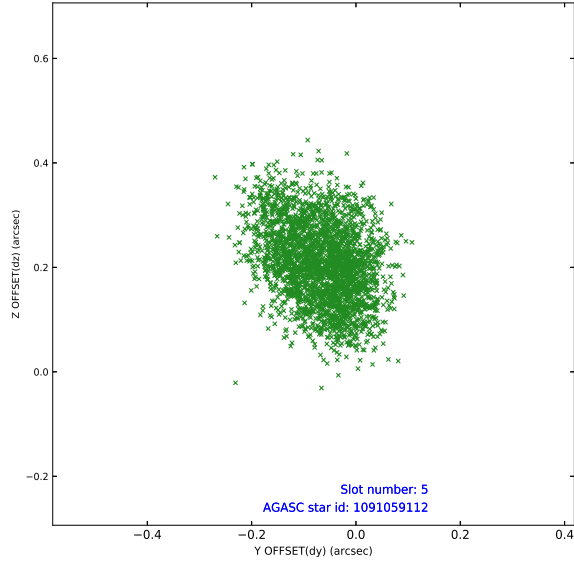
2.4.1 Slot 3



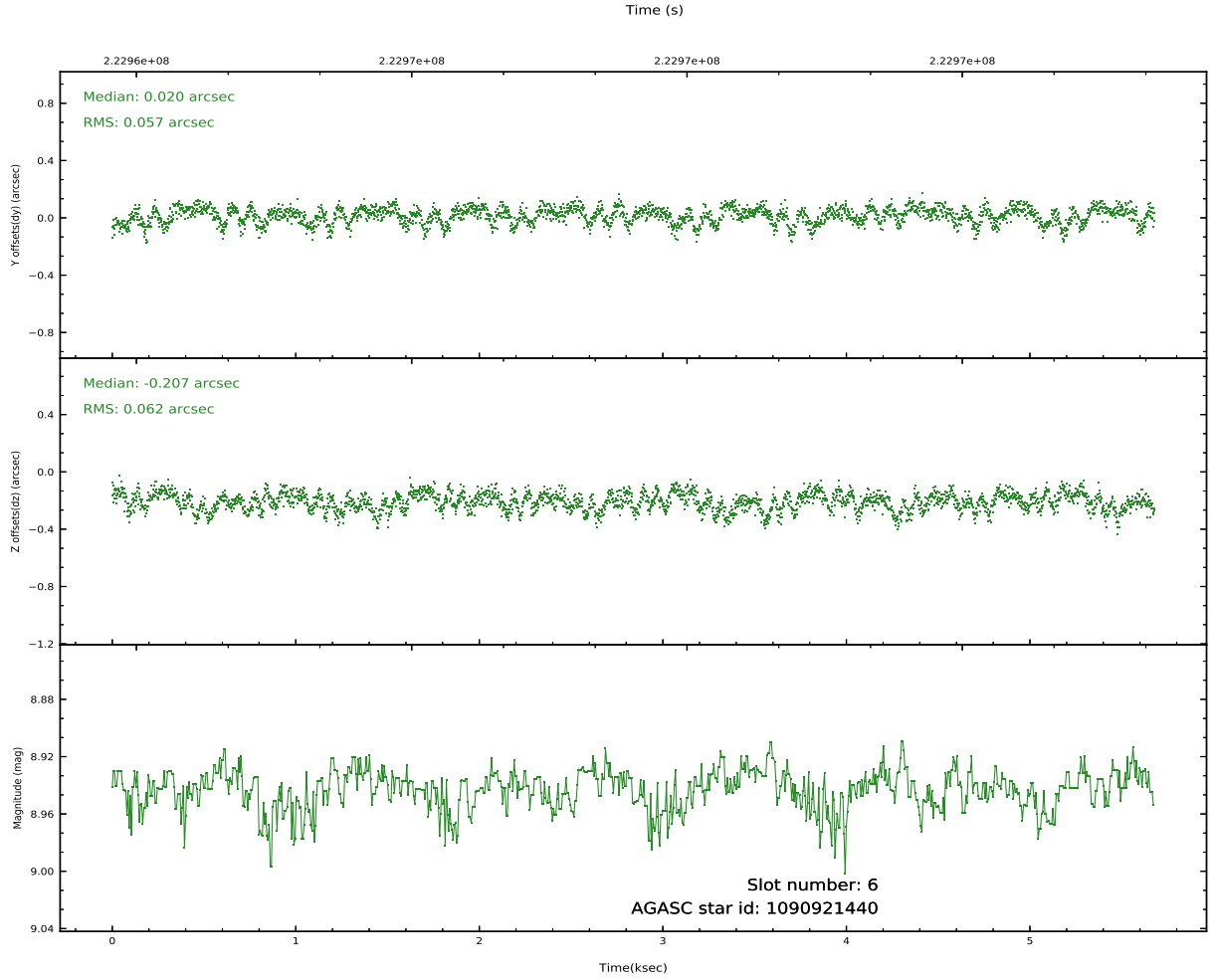
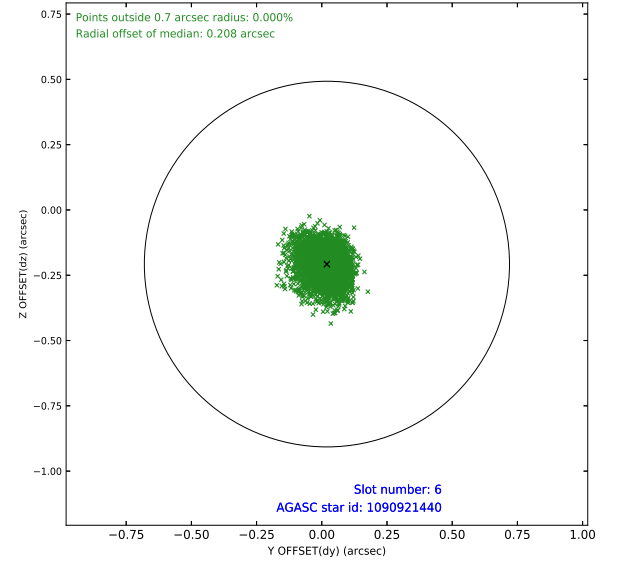
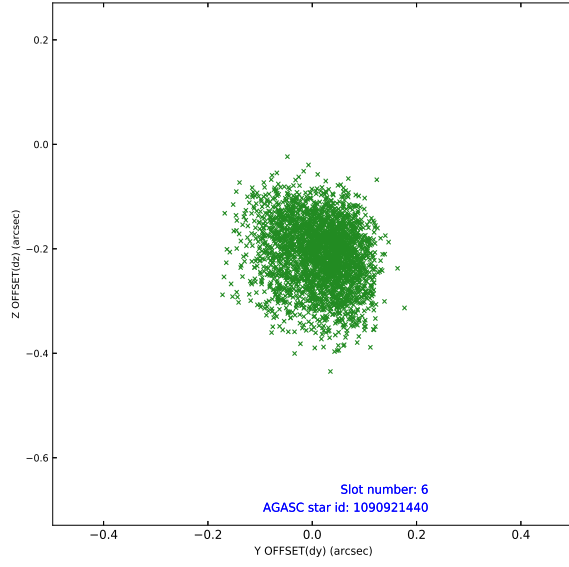
2.4.2 Slot 4



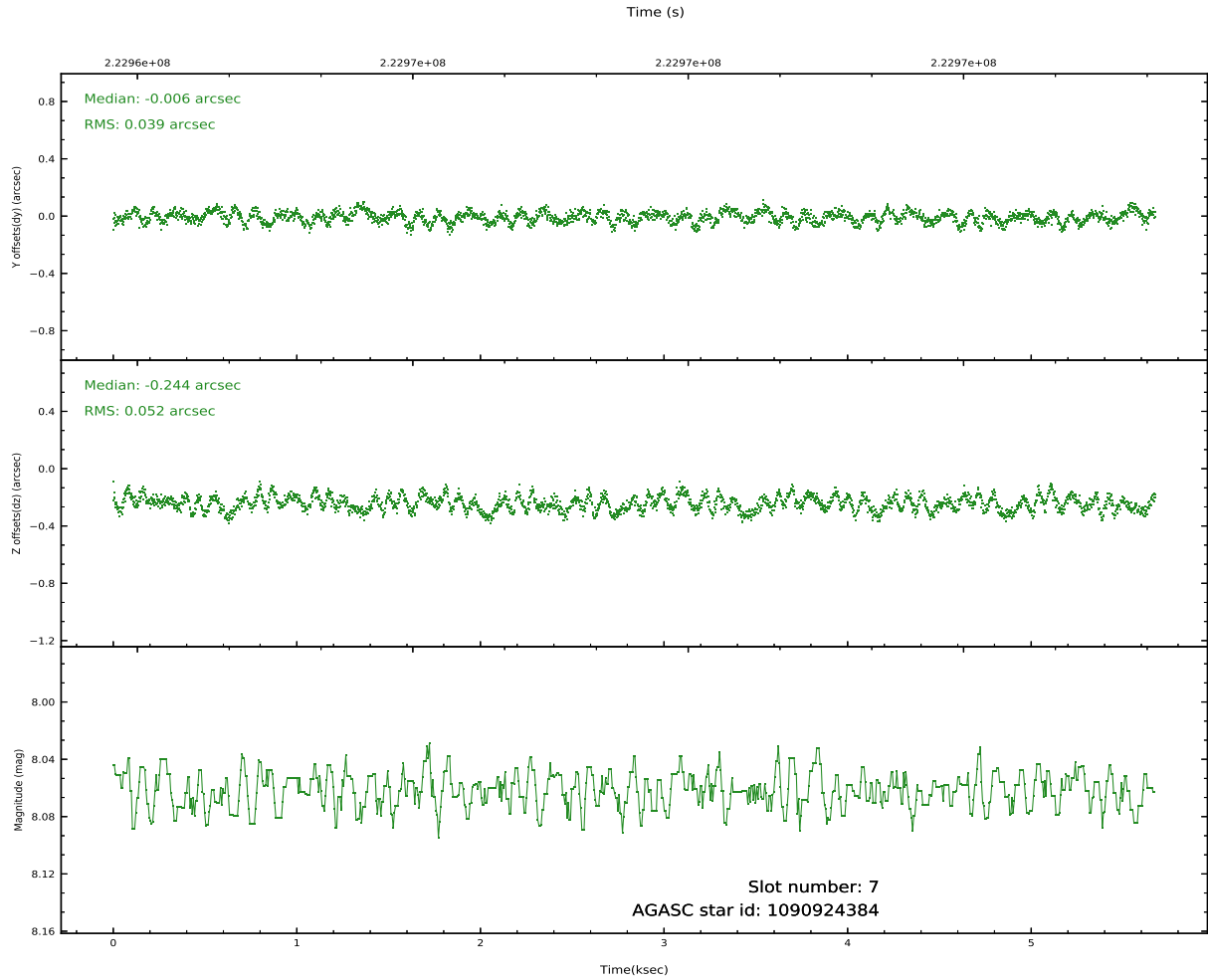
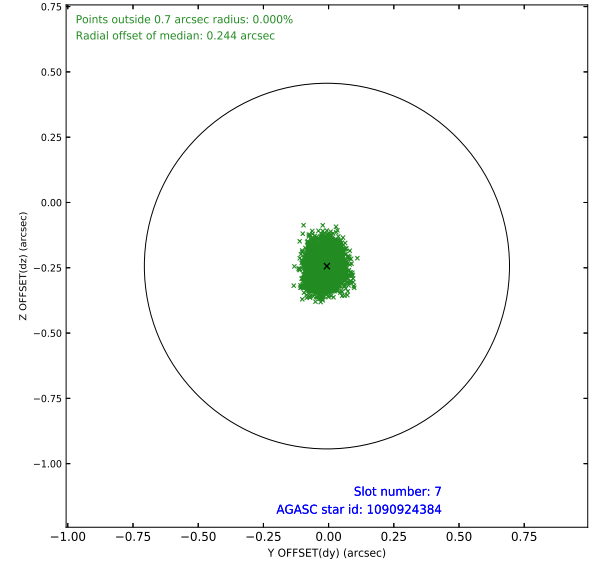
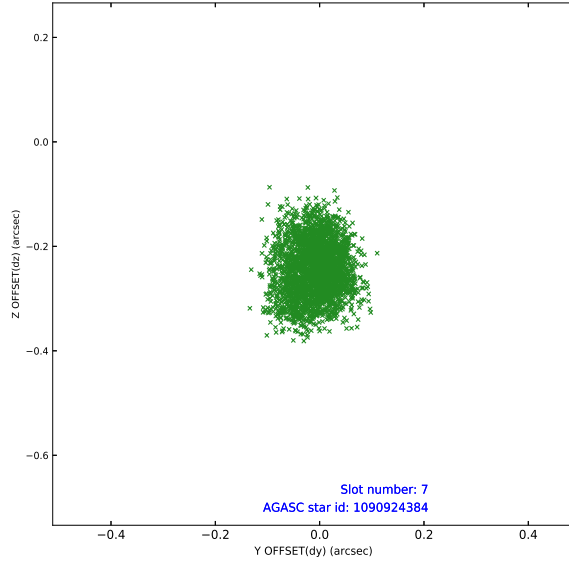
2.4.3 Slot 5



2.4.4 Slot 6

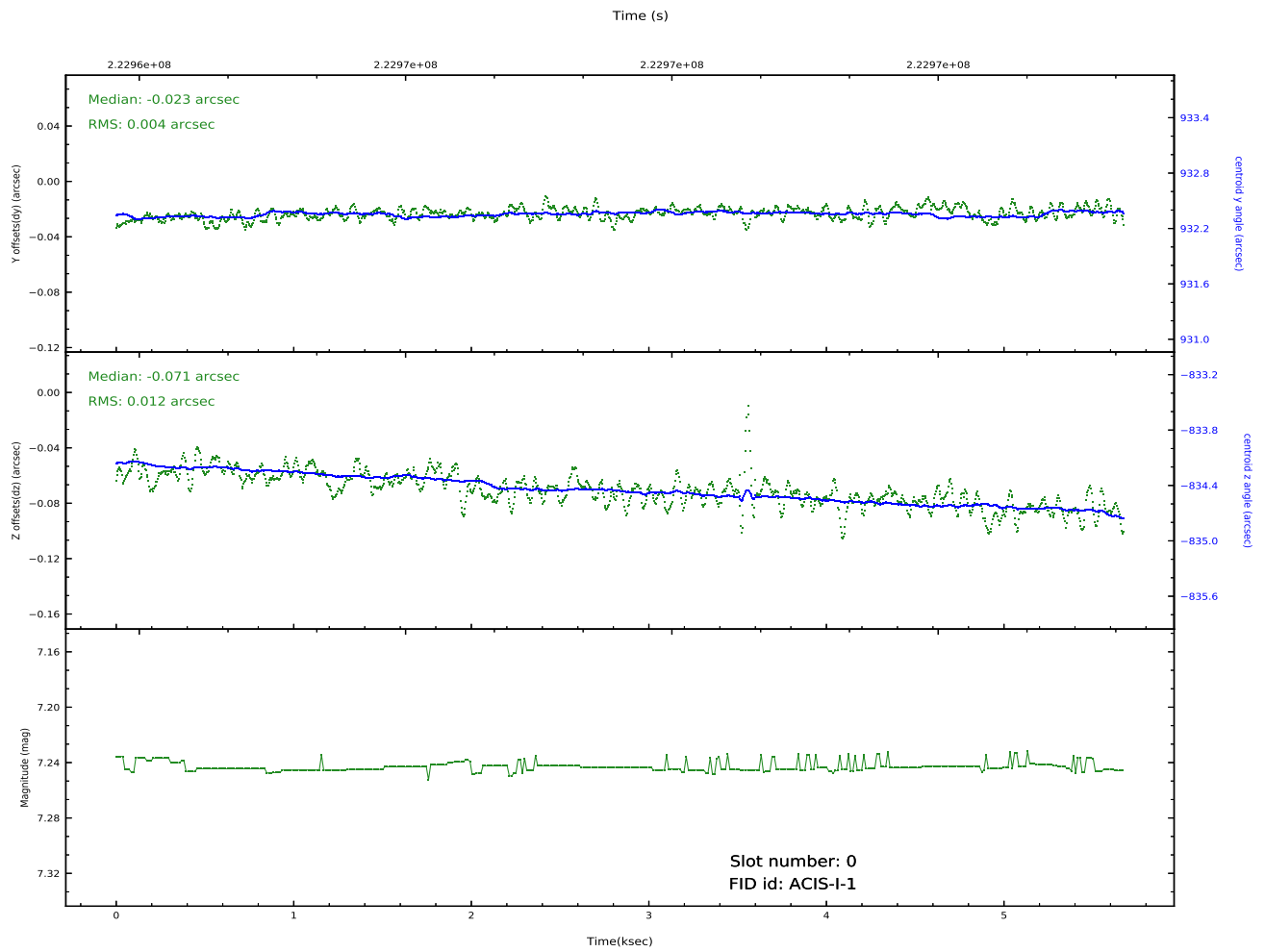
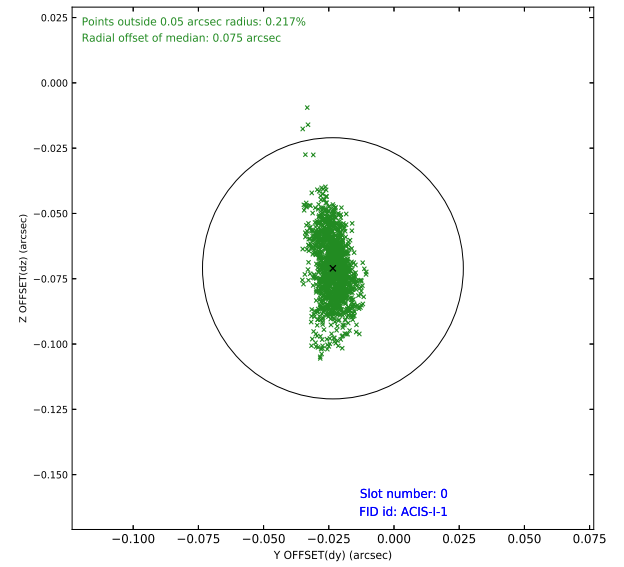
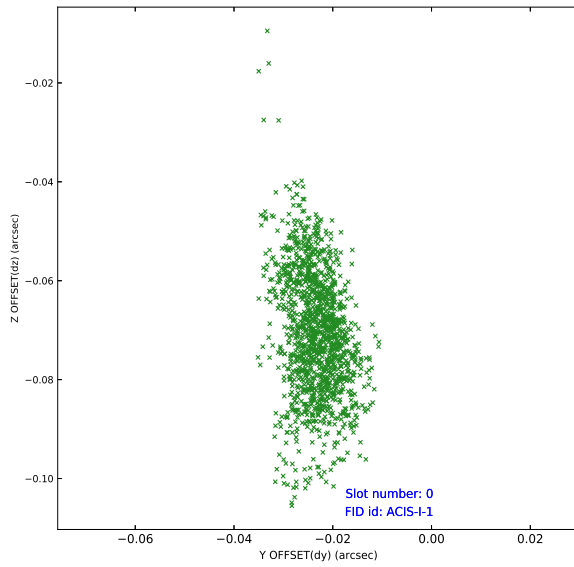


2.4.5 Slot 7

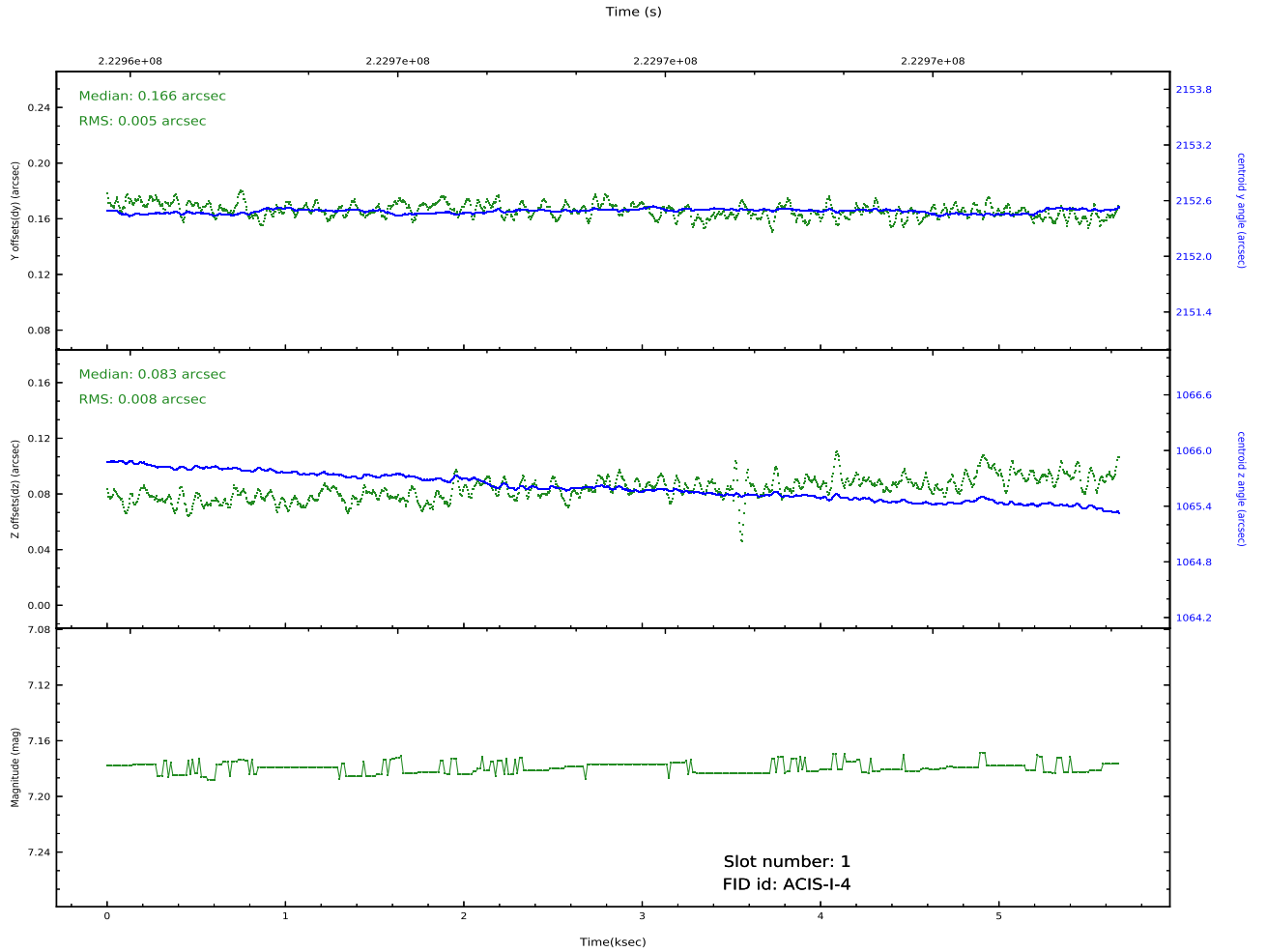
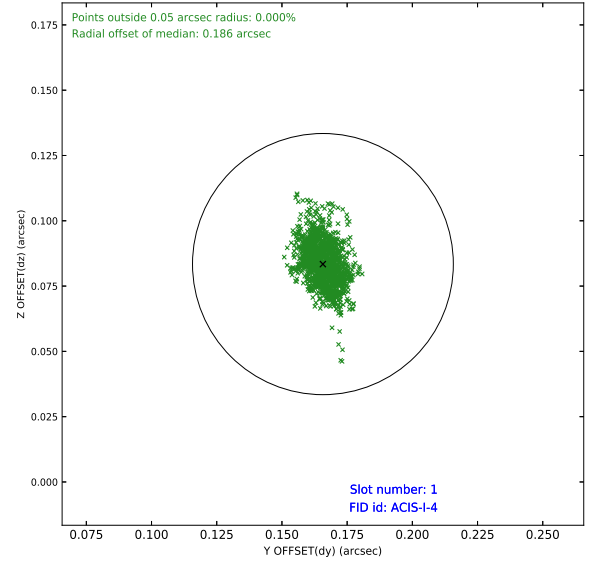
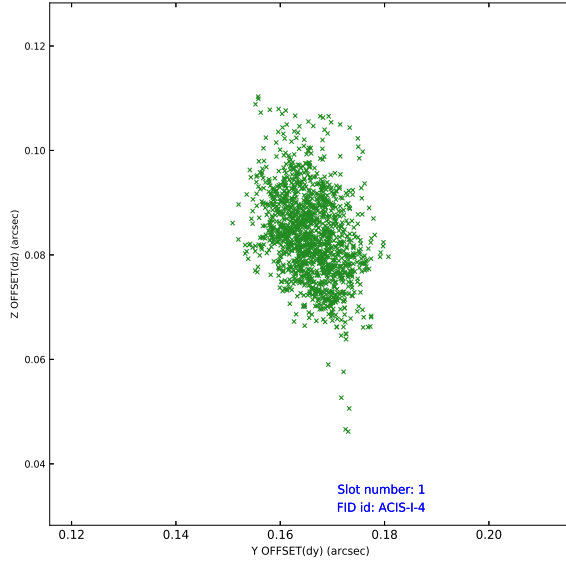


2.5 FID Slots

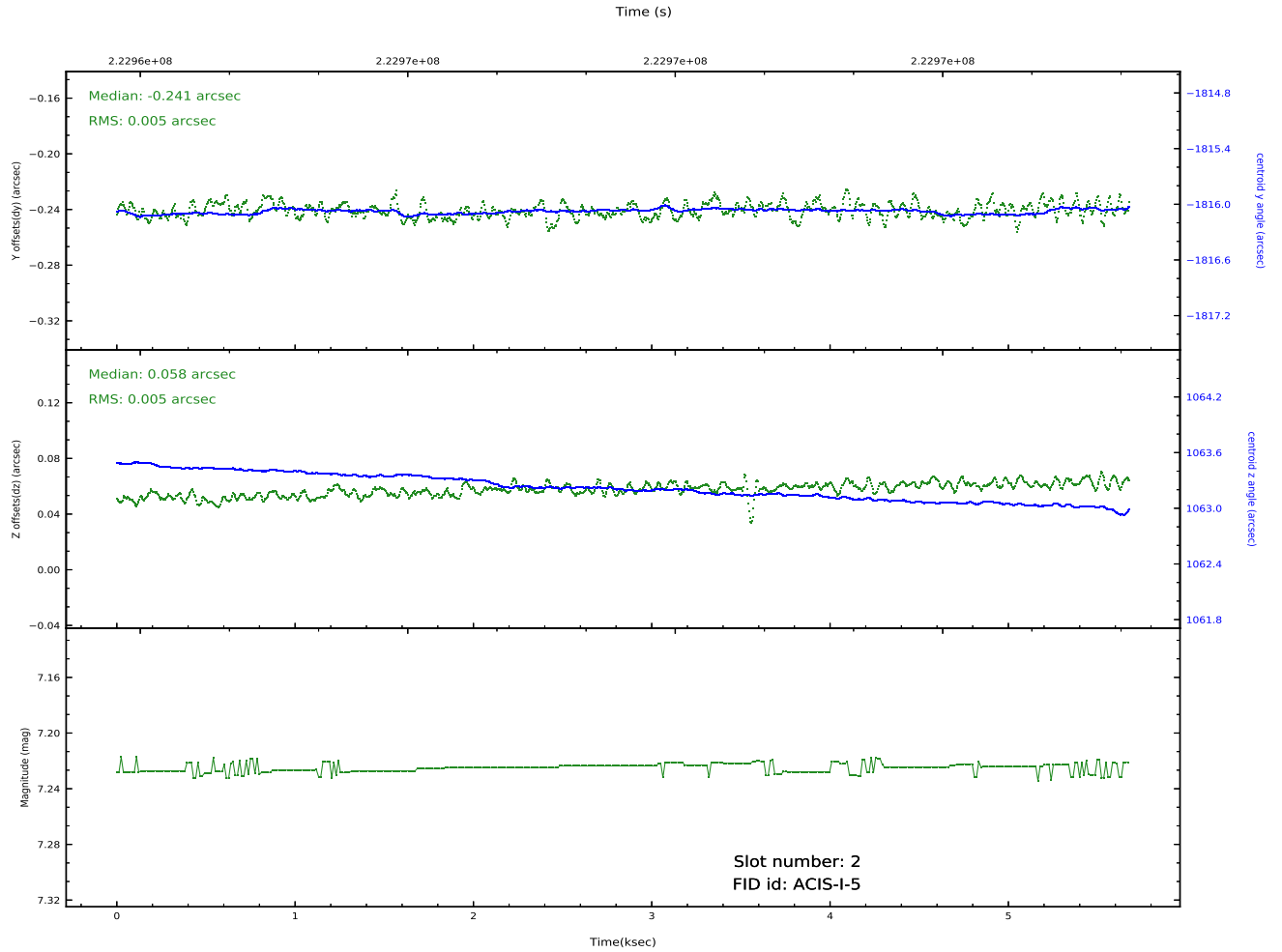
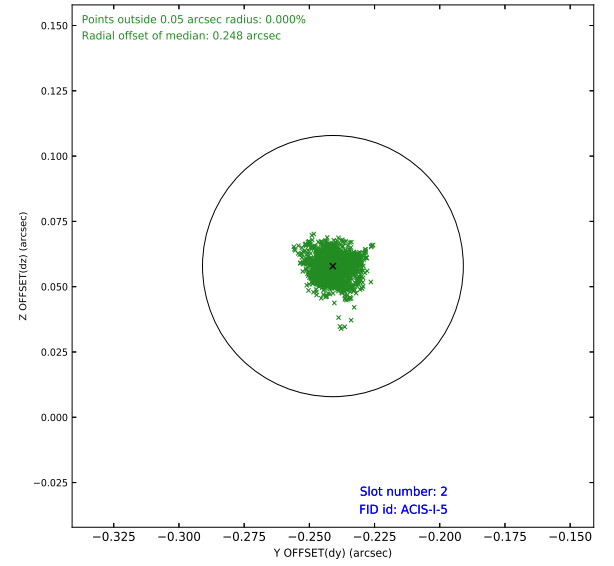
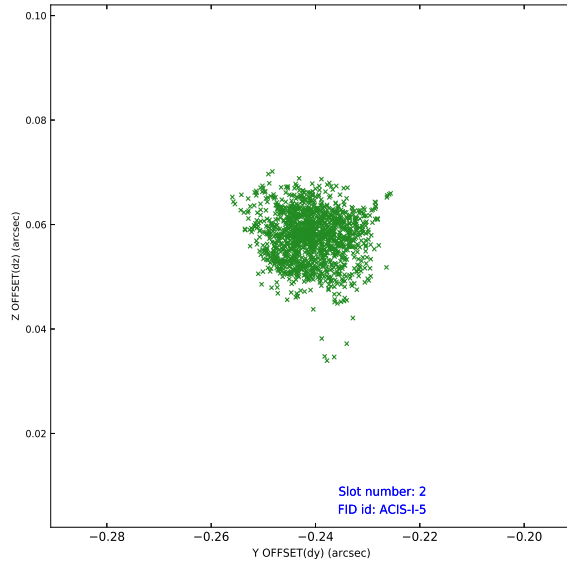
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.676

A.2 Comments