

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4597 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 25 2020

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1 Front

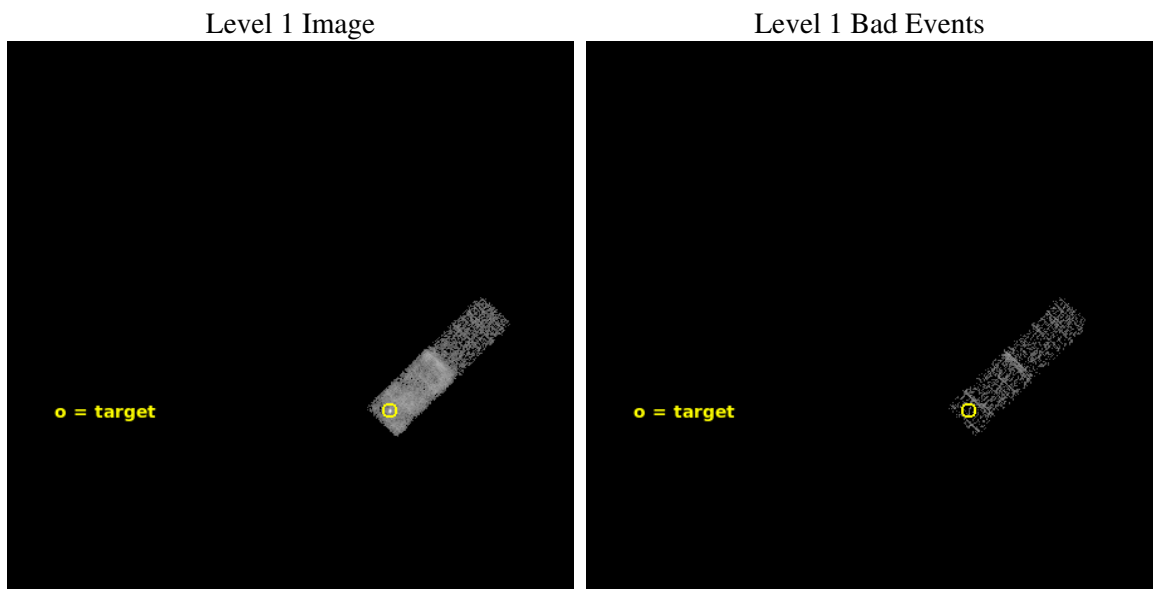
seq_num	500422	Sequence number
obs_id	4597	Observation id
title	Observation of SNR RCW103	Proposal title
observer	Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.53892861927	Nominal RA [deg]
dec_nom	-50.963186644254	Nominal Dec [deg]
roll_nom	44.226560082626	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4890.4000728726	Sum of GTIs [s]
livetime	4651.7645513865	Livetime [s]
ontime3	4890.4000728726	Sum of GTIs [s]
l2events	15482	Number of level 2 events



2 OBI

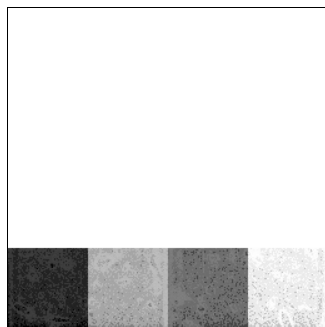
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4676.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4890.4000728726	Sum of GTIs [s]
caldbver	4.9.2	 	ontime3	4890.4000728726	Sum of GTIs [s]
date	2020-09-25T08:56:55	Date and time of file creation	l1events	25159	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

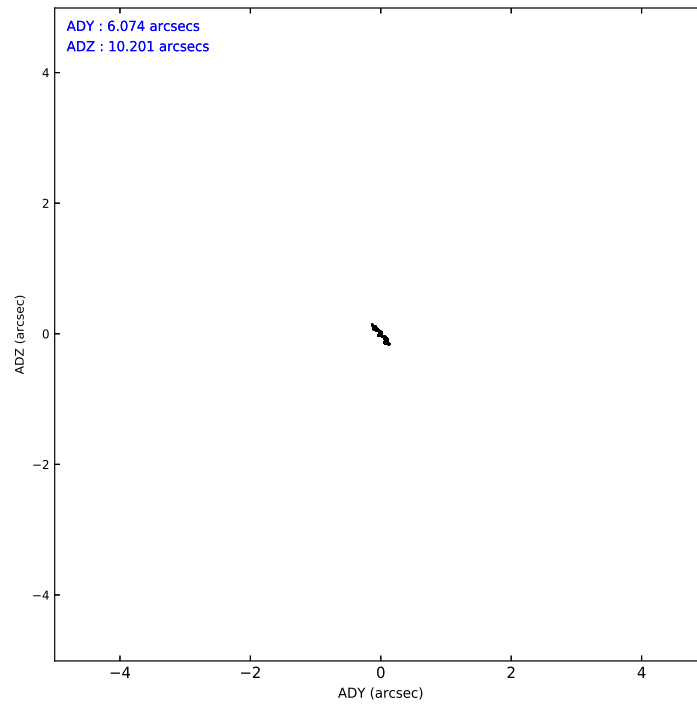
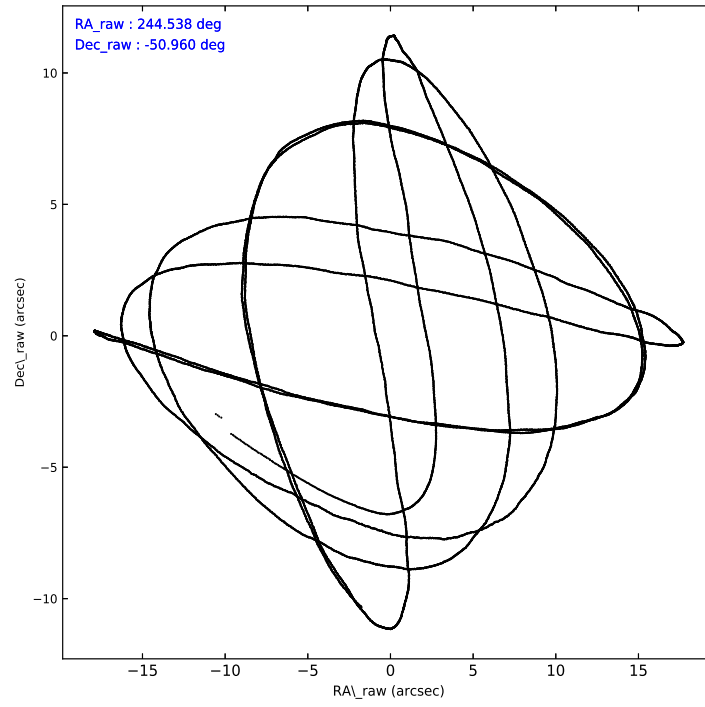
	ccd 3
level 1 events	25159
rejected events	9120
rejected %	36%

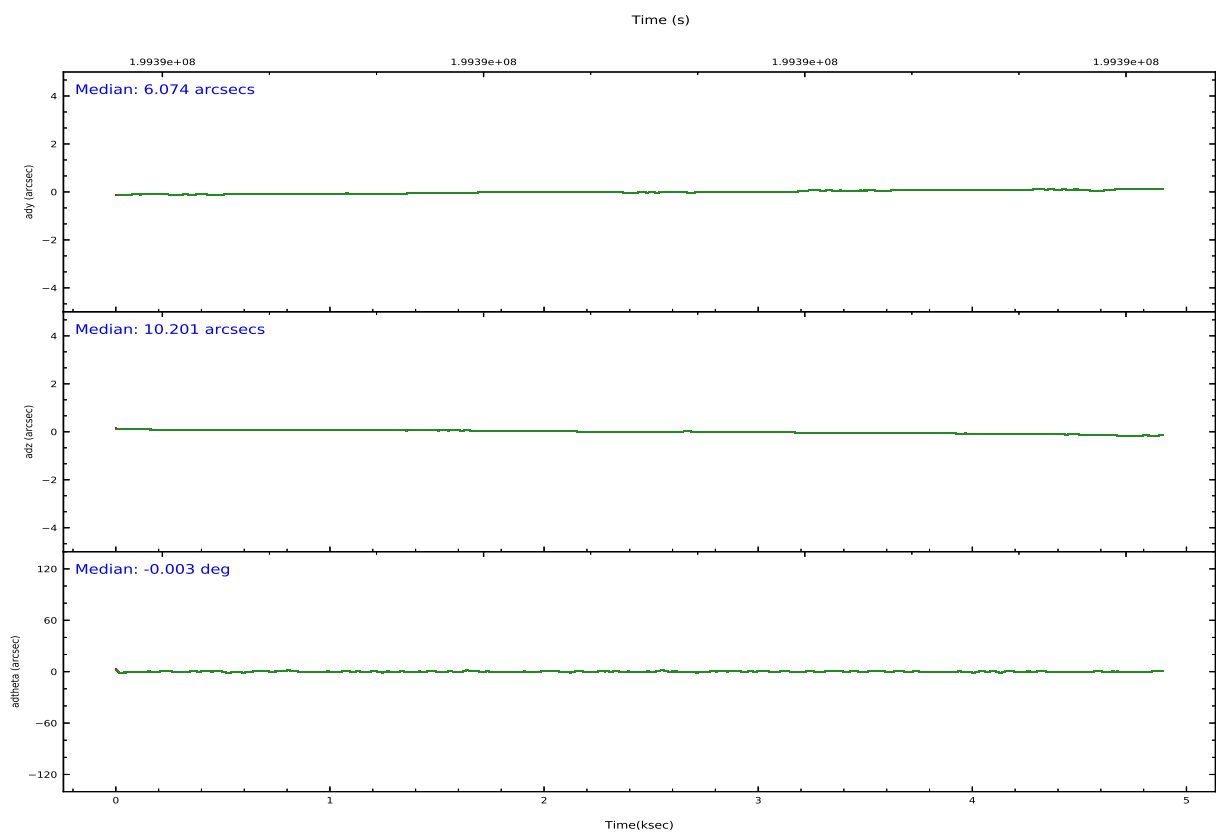
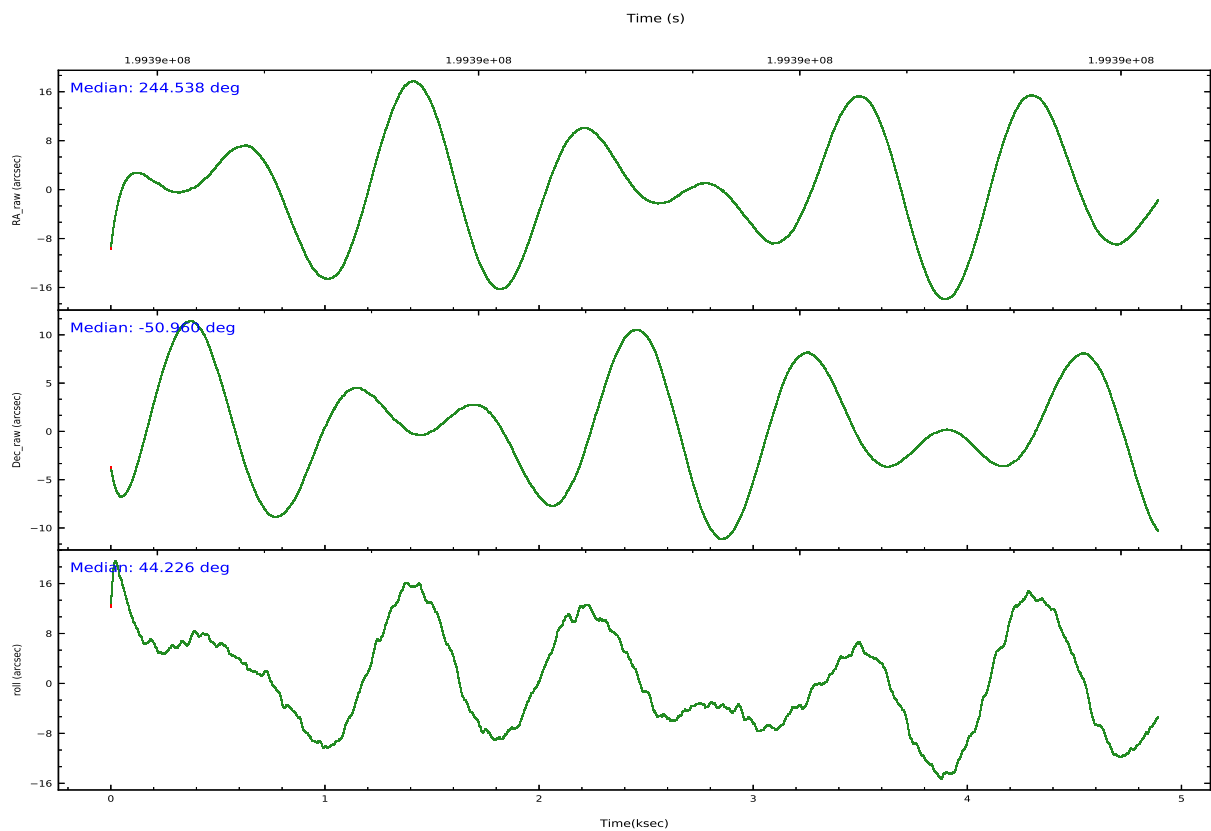
	ccd 3
grade 0 events	13965
	55%
grade 1 events	25
	0%
grade 2 events	1491
	5%
grade 3 events	524
	2%
grade 4 events	510
	2%
grade 5 events	128
	0%
grade 6 events	312
	1%
grade 7 events	8204
	32%

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	244.526069	244.53892861927	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-50.986296	-50.963186644254	Subarray start row	1	1
[deg] Pointing Roll	44.015433	44.226560082626	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)	199389998.184000	199389015.62729			
Observation start date	2004-04-26T18:05:34	2004-04-26T17:50:15			
[s] Observation end time (MET)	199394674.184000	199395940.01509			
Observation end date	2004-04-26T19:23:30	2004-04-26T19:45:40			
Read mode	TIMED	TIMED			

2.3 Aspect



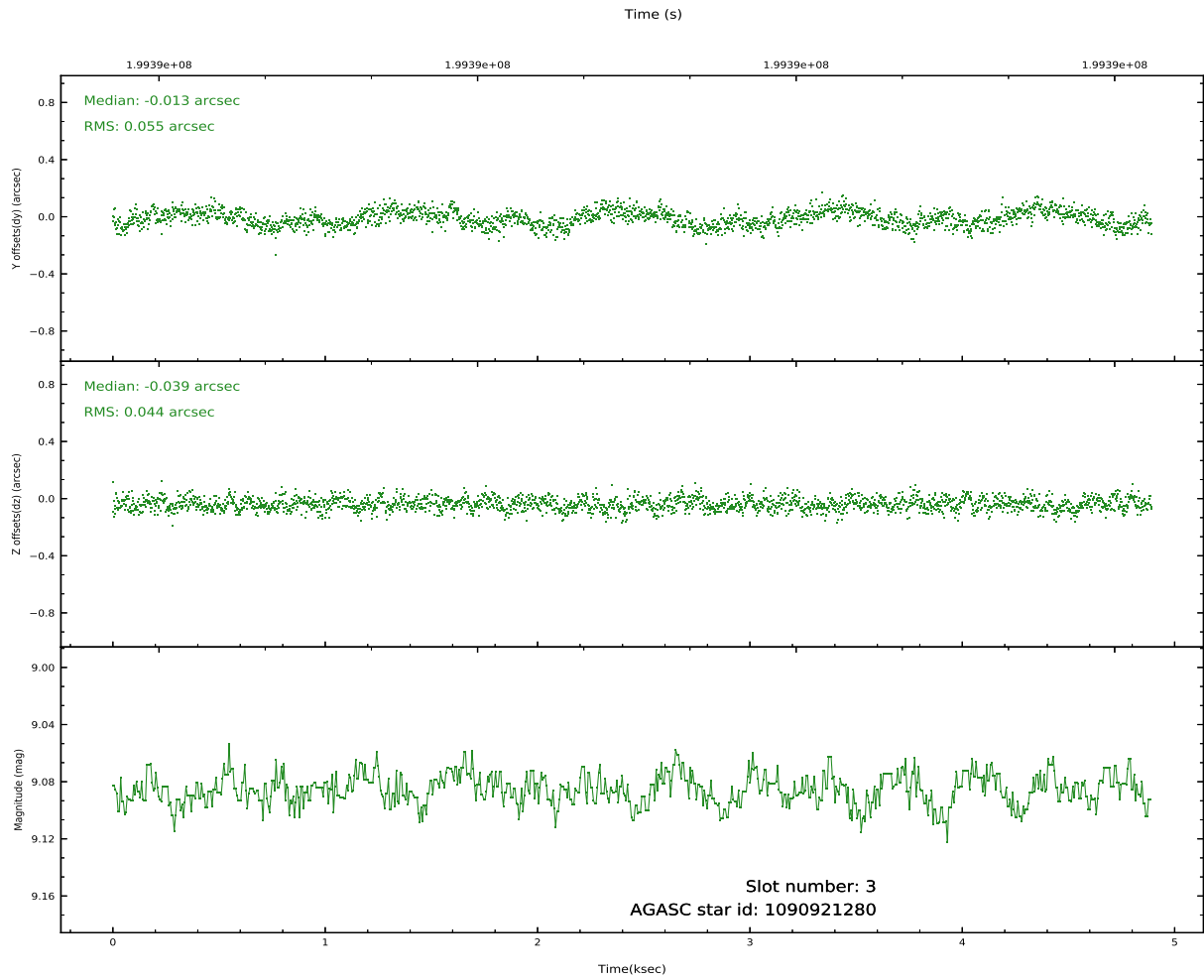
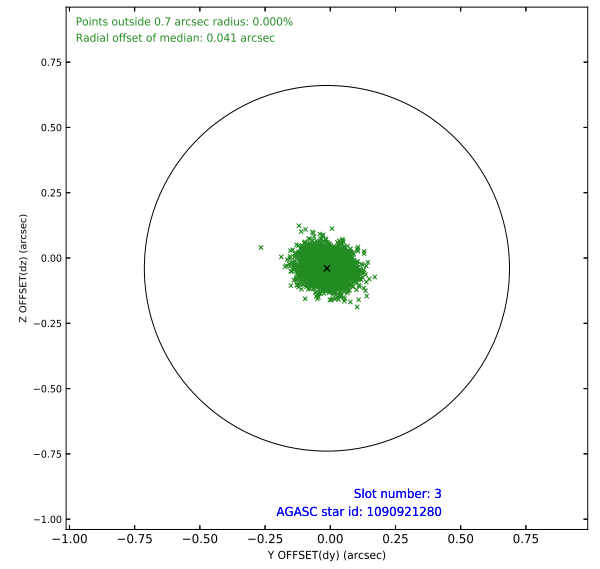
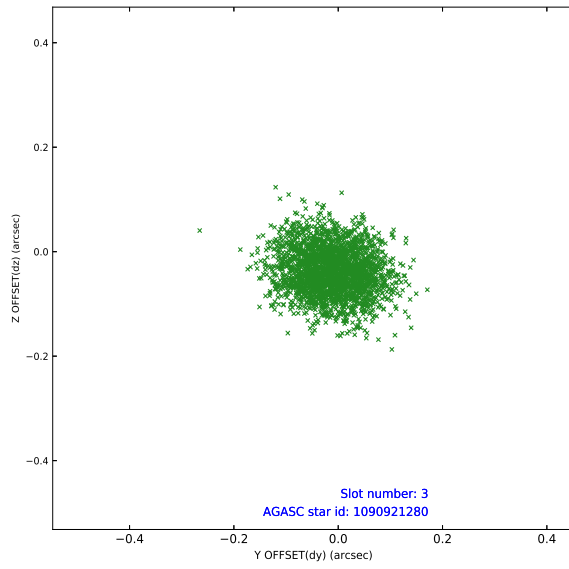


Slot Statistics

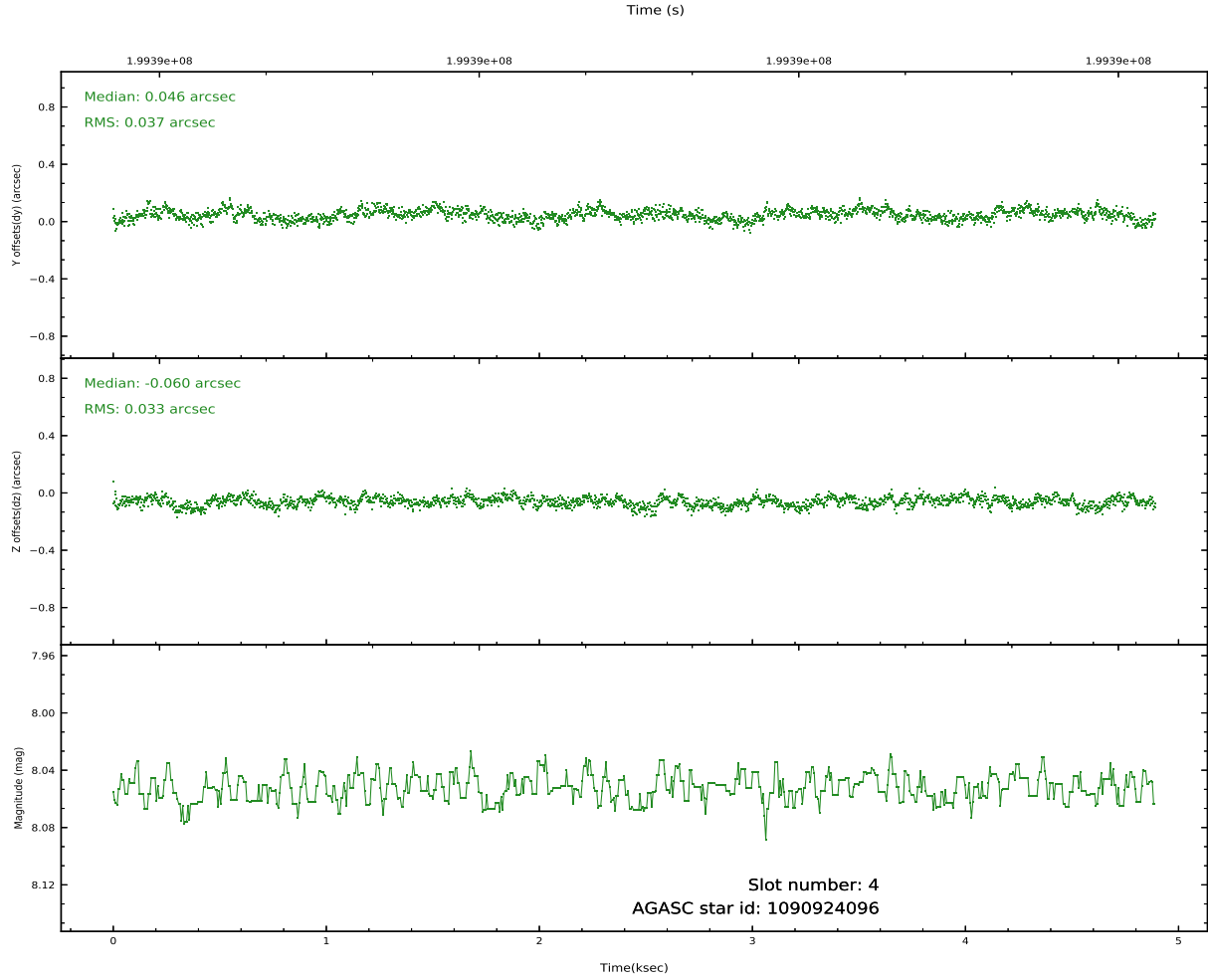
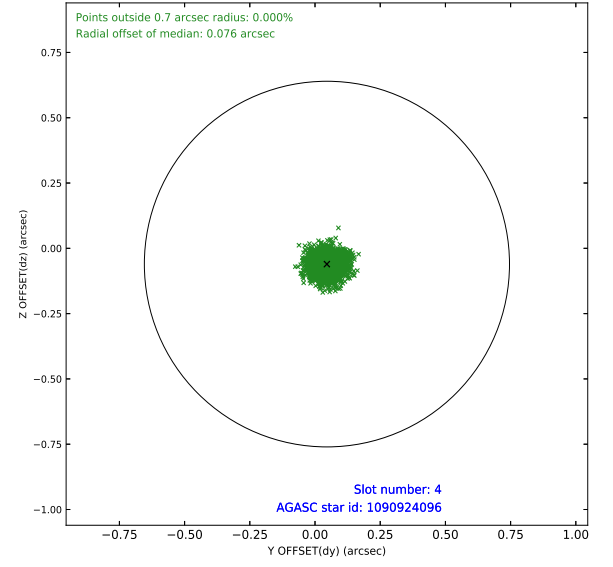
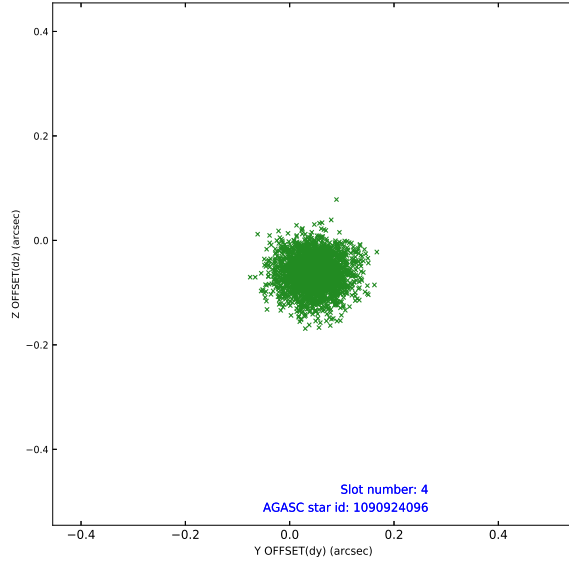
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	1194	1.000	-0.016	-0.025	0.010	0.018	0.000000	0.000000	933.63	-833
1	FID		ACIS-I-4	7.18	1194	1.000	0.114	0.048	0.009	0.015	0.000000	0.000000	2154.47	1065
2	FID		ACIS-I-5	7.23	1194	1.000	-0.195	0.047	0.007	0.014	0.000000	0.000000	-1812.97	1064
3	GUIDE	used	1090921280	9.09	2387	1.000	-0.013	-0.039	0.076	0.121	244.365071	-50.638328	605.73	1155
4	GUIDE	used	1090924096	8.05	2387	1.000	0.046	-0.060	0.053	0.086	243.849549	-51.016855	-1182.92	980
5	GUIDE	used	1090924384	8.06	2387	1.000	0.136	-0.124	0.058	0.090	243.330505	-50.934017	-1835.90	2004
6	GUIDE	used	1091057912	9.15	2384	1.000	-0.152	0.143	0.079	0.127	245.642757	-51.112070	1486.51	-2091
7	GUIDE	used	1091059112	9.07	2384	1.000	-0.020	0.080	0.077	0.127	245.180420	-50.736664	1692.71	-395

2.4 Star Slots

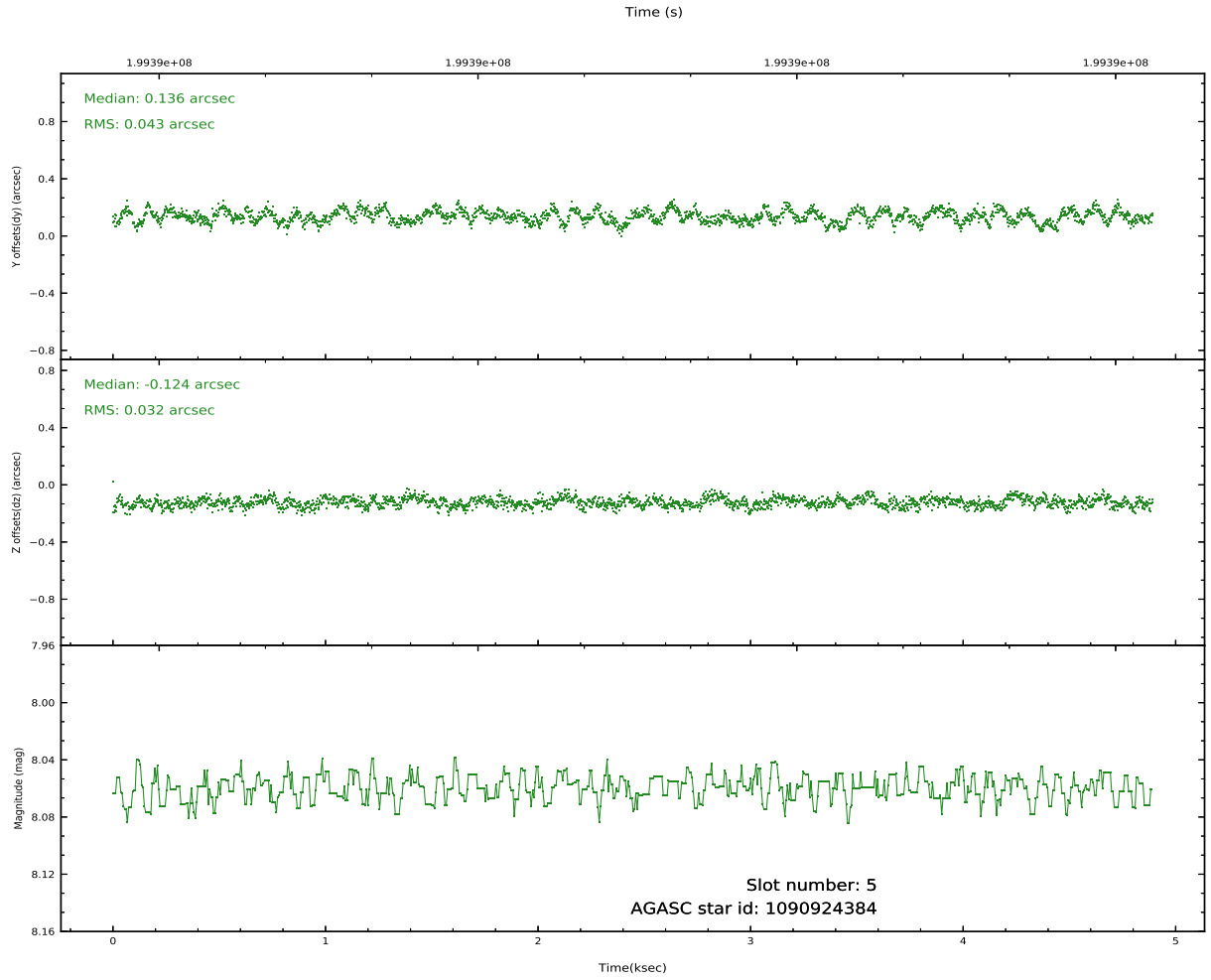
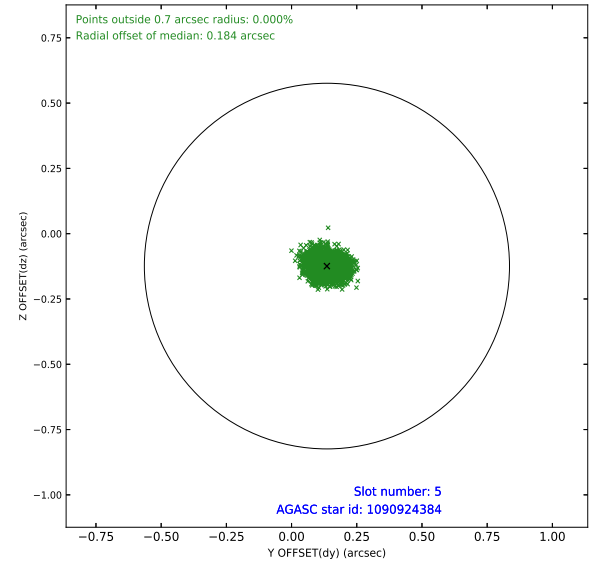
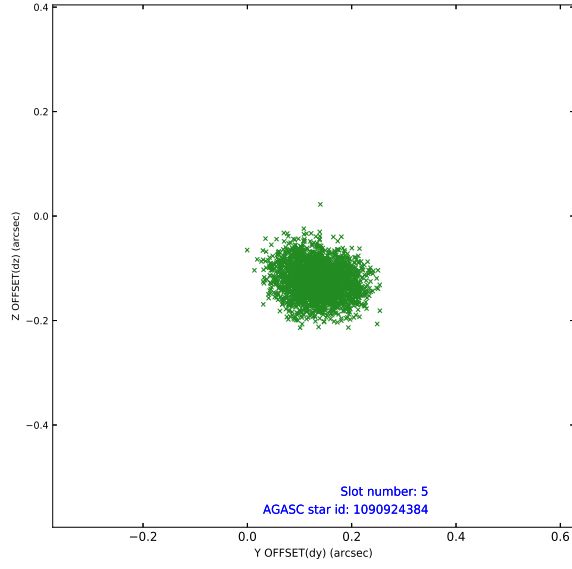
2.4.1 Slot 3



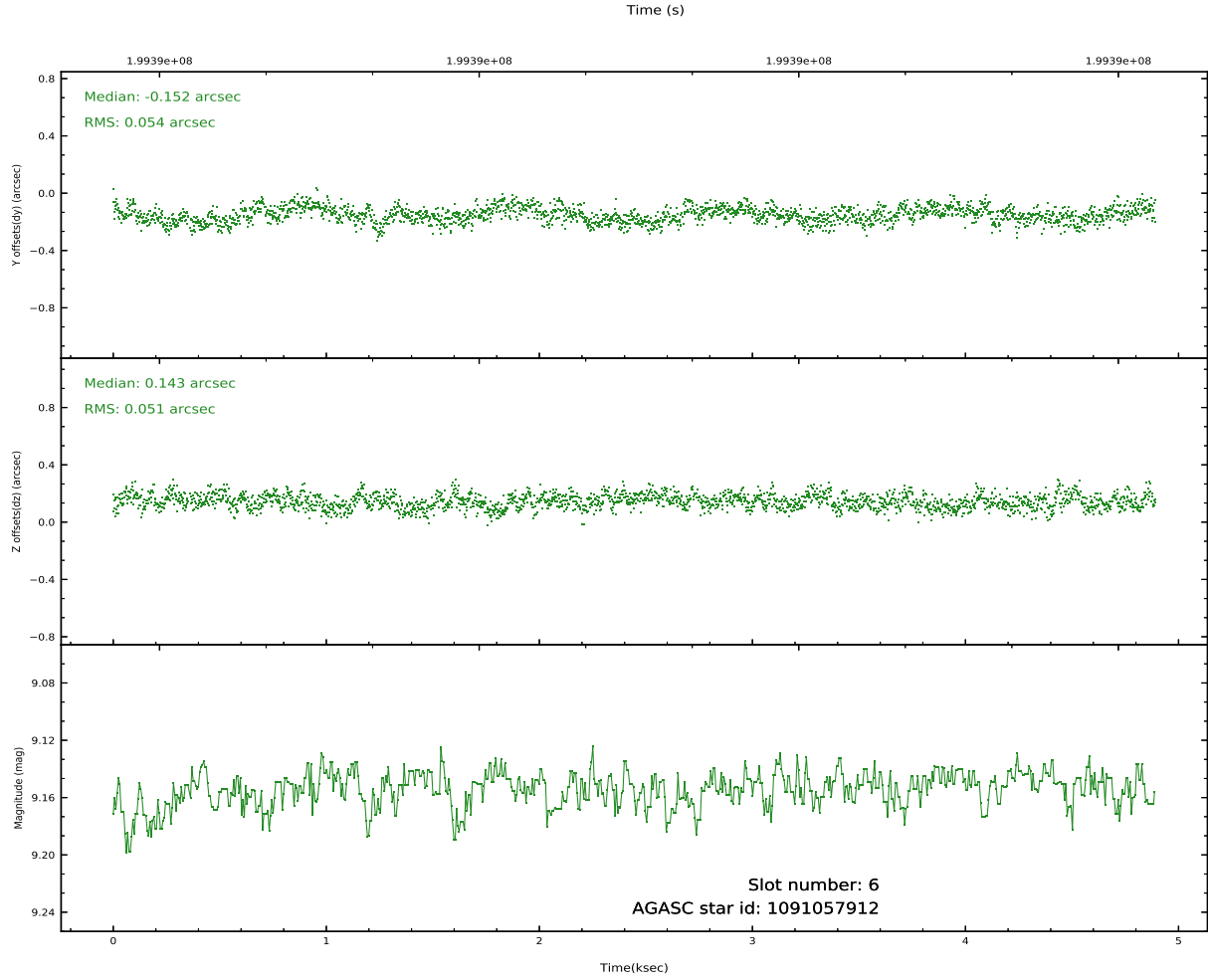
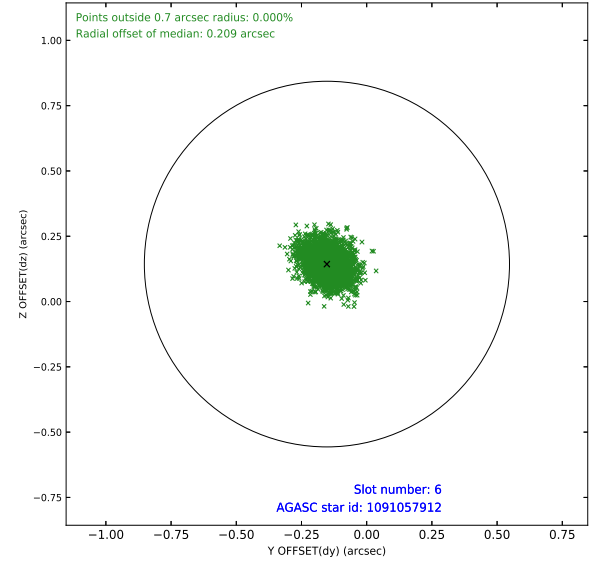
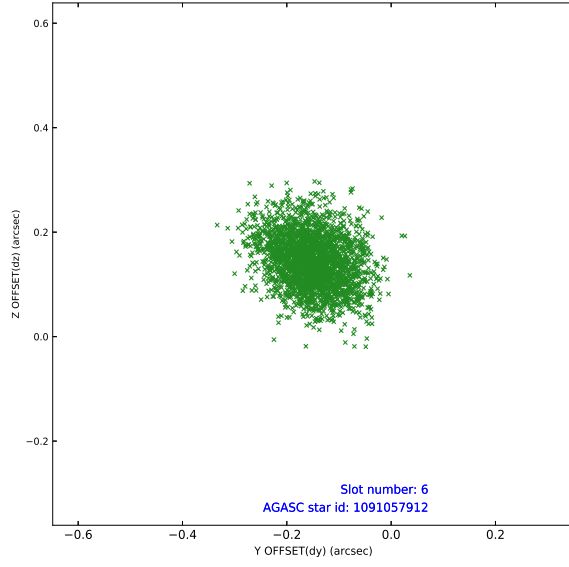
2.4.2 Slot 4



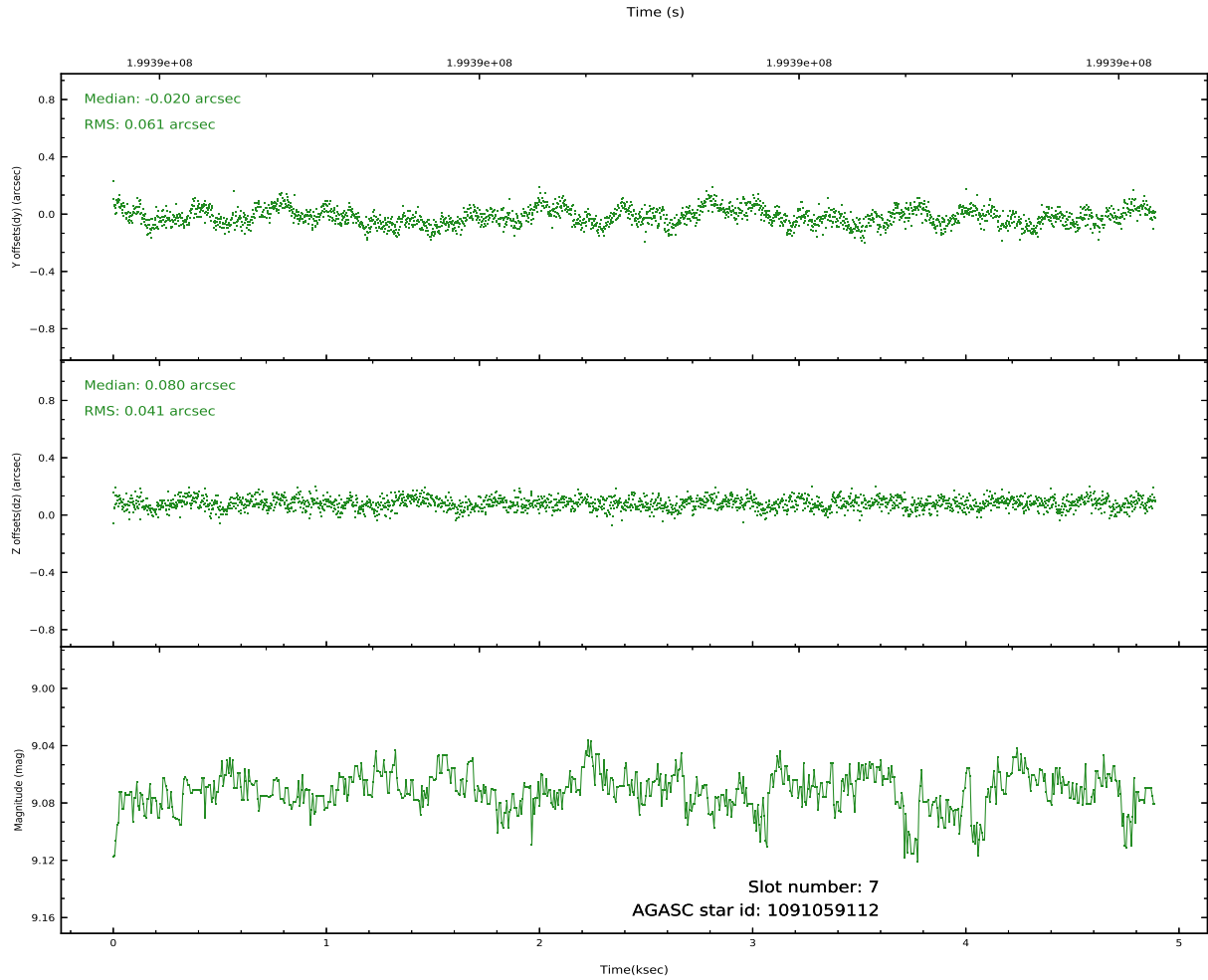
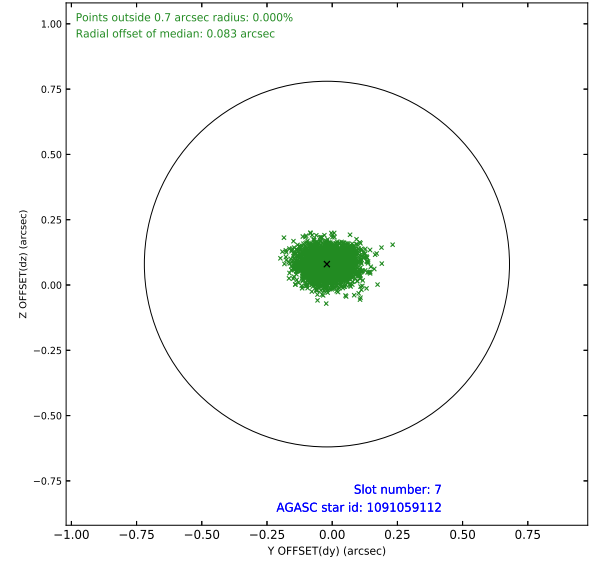
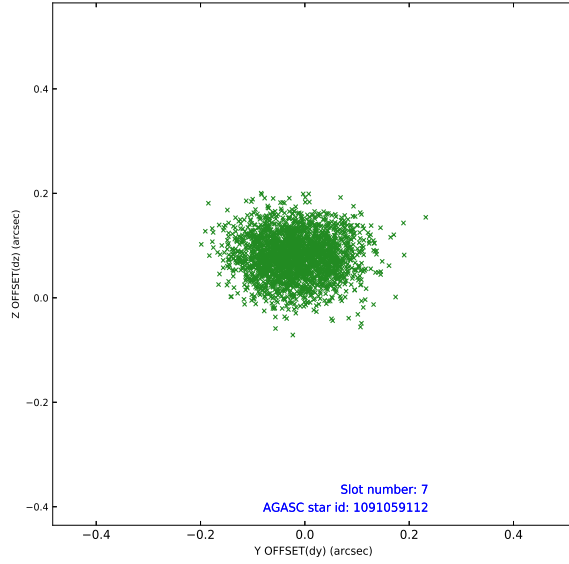
2.4.3 Slot 5



2.4.4 Slot 6

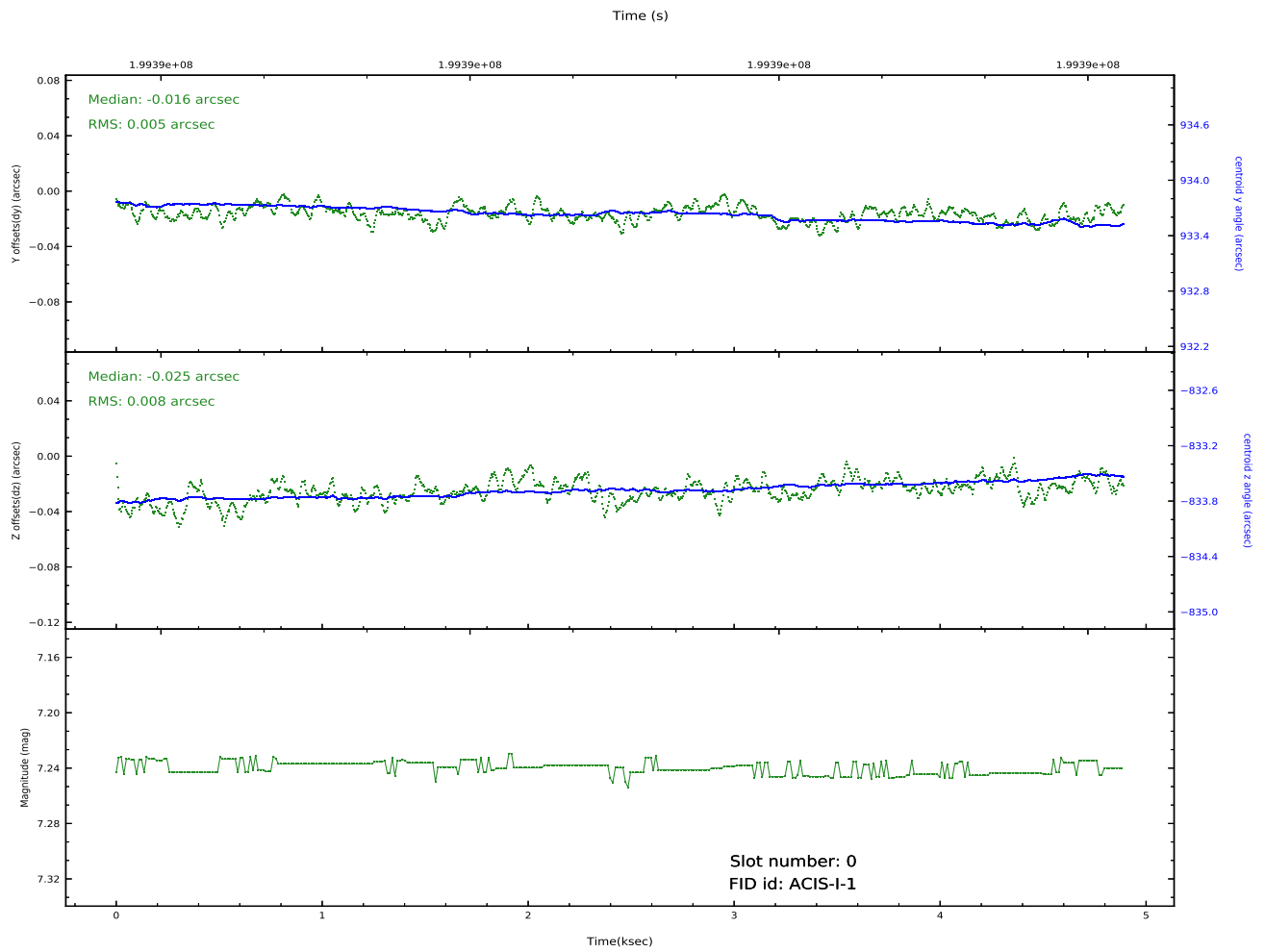
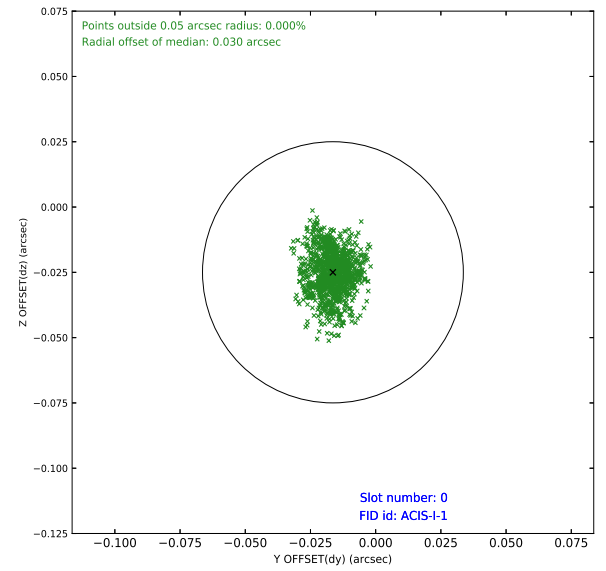
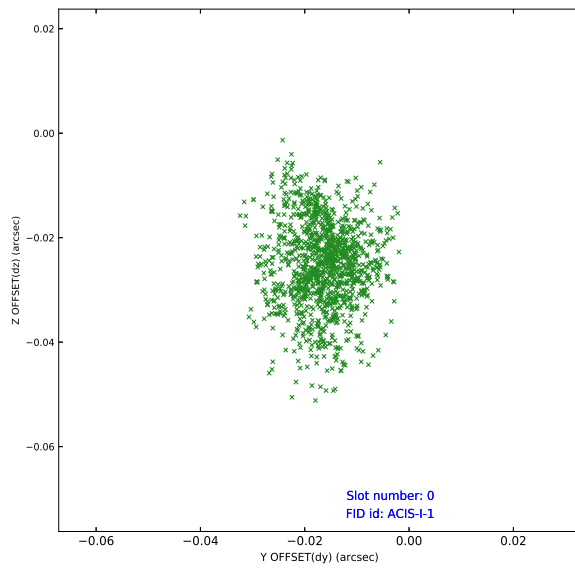


2.4.5 Slot 7

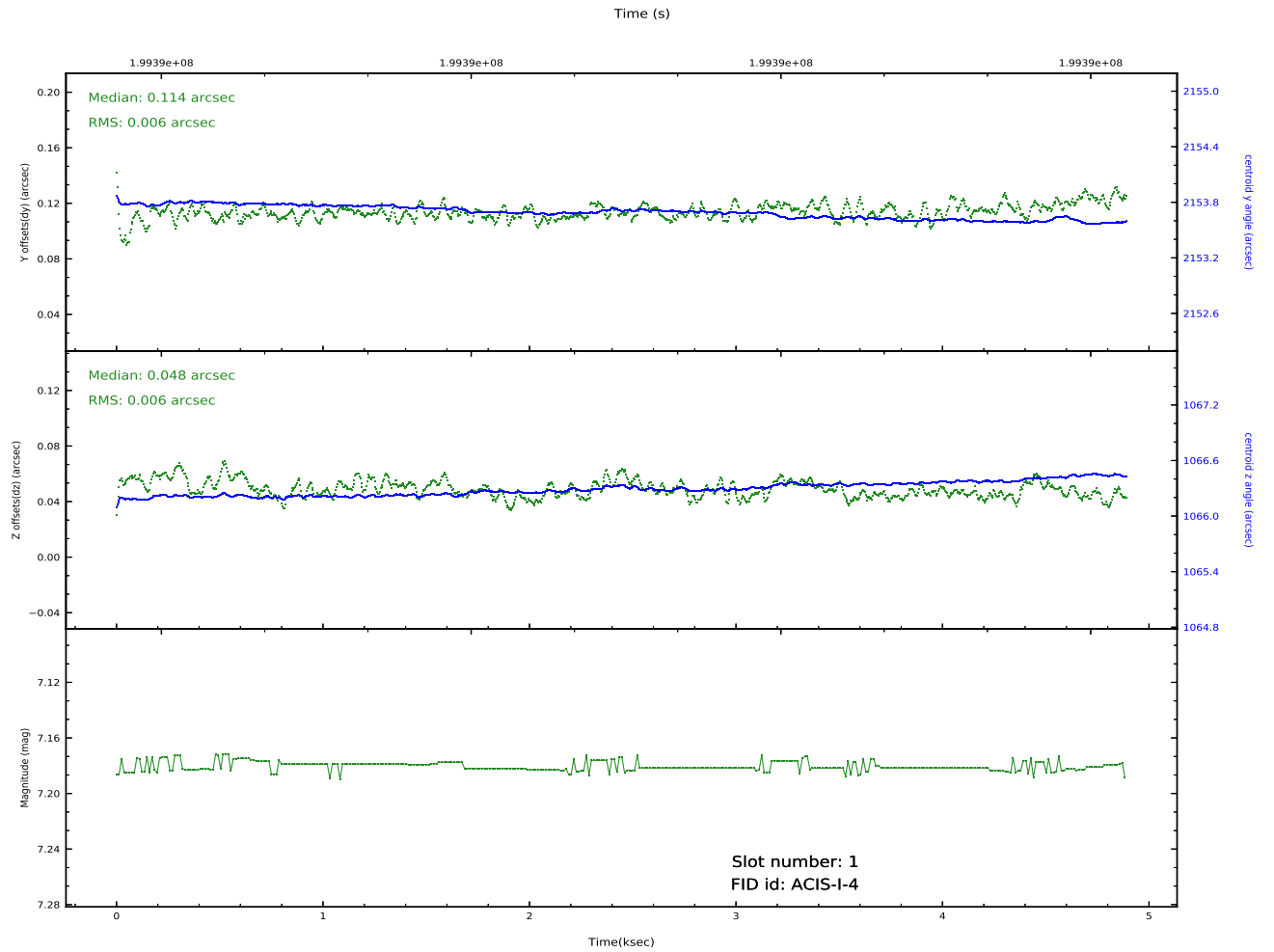
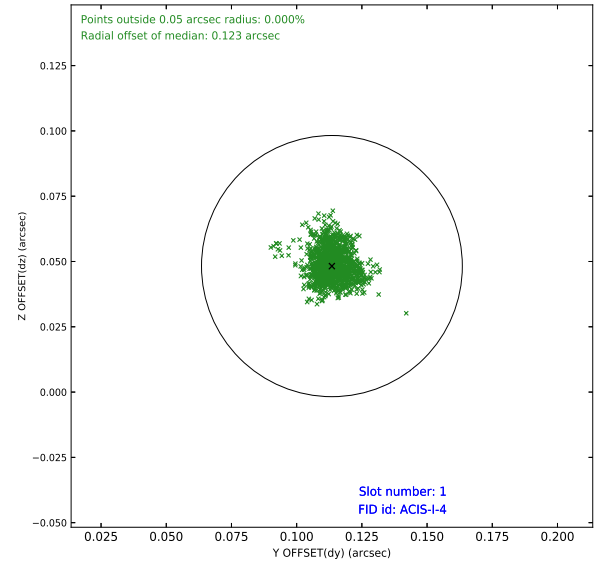
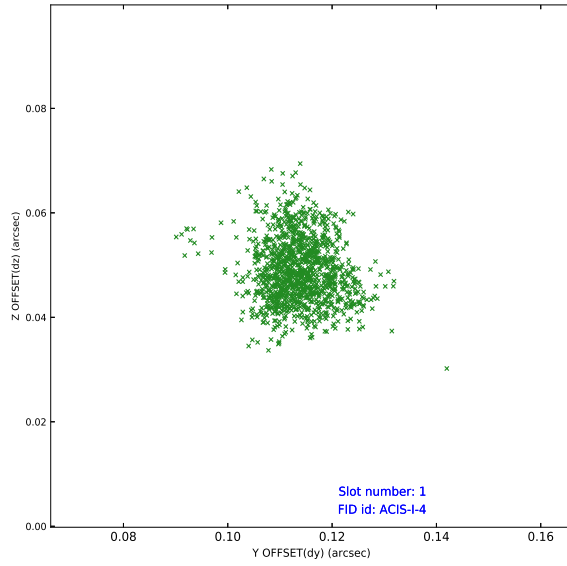


2.5 FID Slots

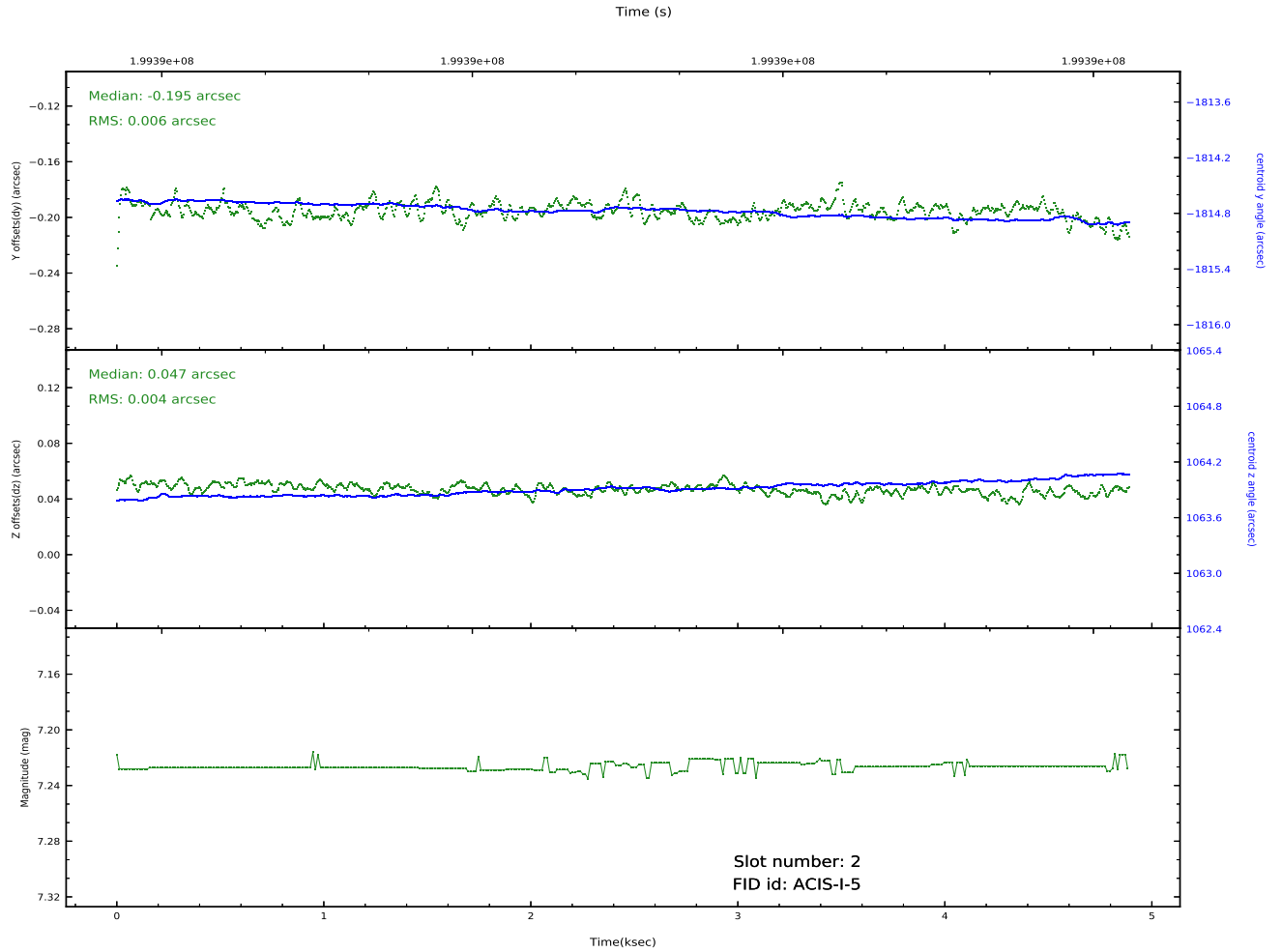
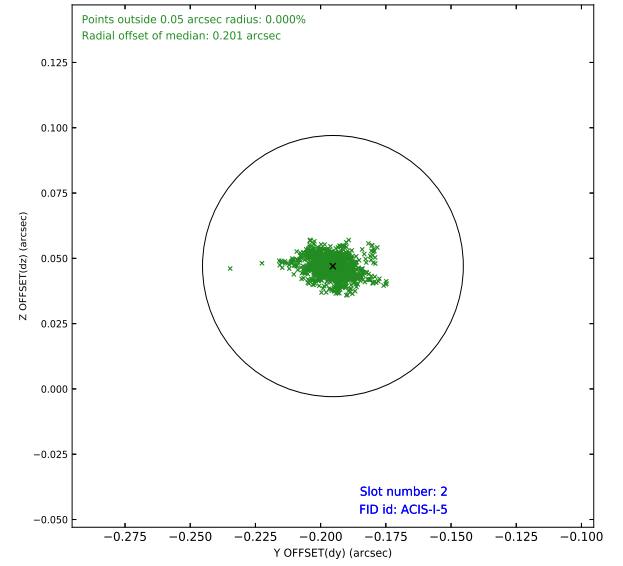
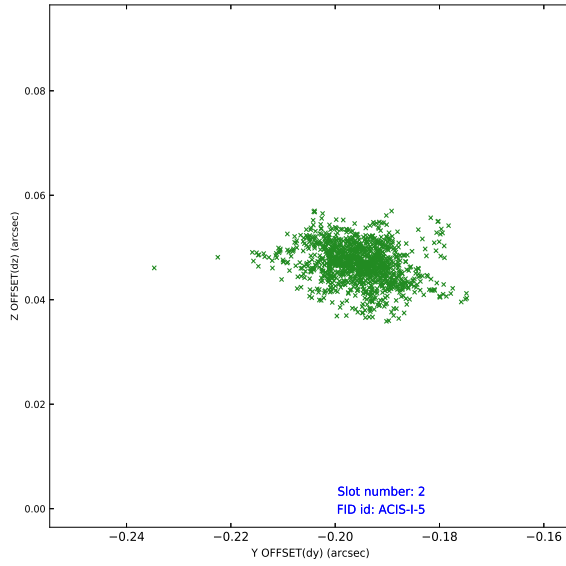
2.5.1 Slot 0



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)	2020.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.89

A.2 Comments