

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4599 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 3 2020

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1 Front

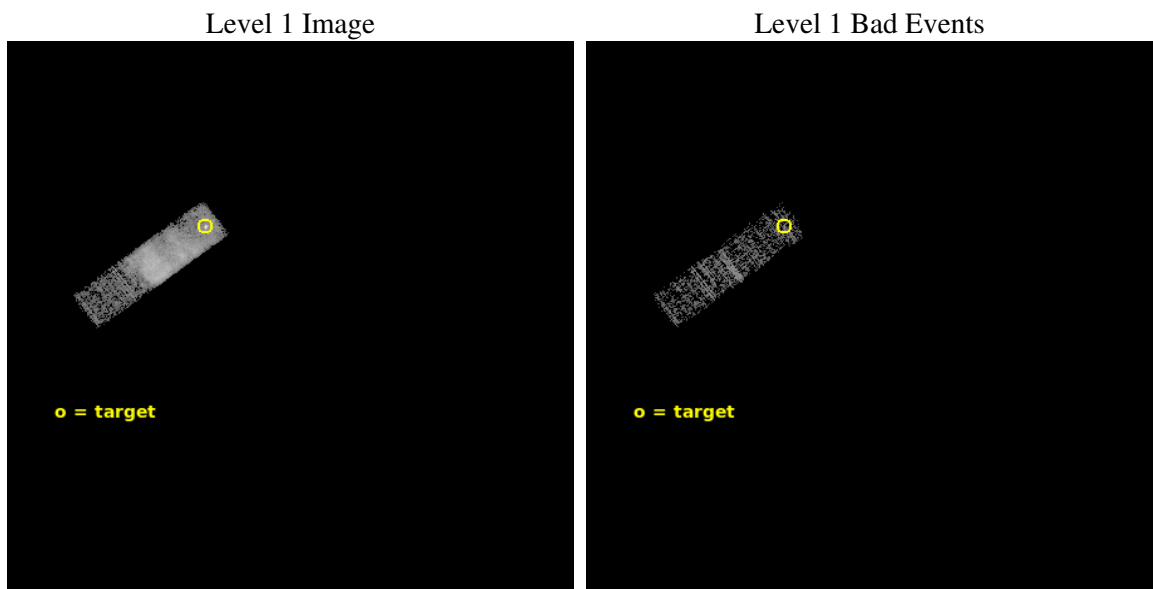
seq_num	500424	Sequence number
obs_id	4599	Observation id
title	Observation of SNR RCW103	Proposal title
observer	Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.28392942764	Nominal RA [deg]
dec_nom	-51.130286382132	Nominal Dec [deg]
roll_nom	233.03230854793	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5144.0000766516	Sum of GTIs [s]
livetime	4892.9897047956	Livetime [s]
ontime3	5144.0000766516	Sum of GTIs [s]
l2events	33648	Number of level 2 events



2 OBI

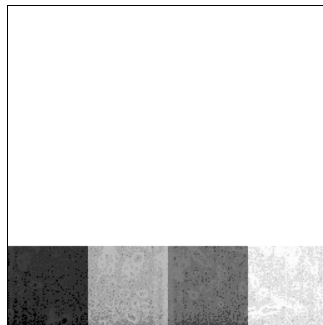
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5144.0000766516	Sum of GTIs [s]
caldsver	4.9.2	 	ontime3	5144.0000766516	Sum of GTIs [s]
date	2020-10-03T15:58:30	Date and time of file creation	l1events	48395	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

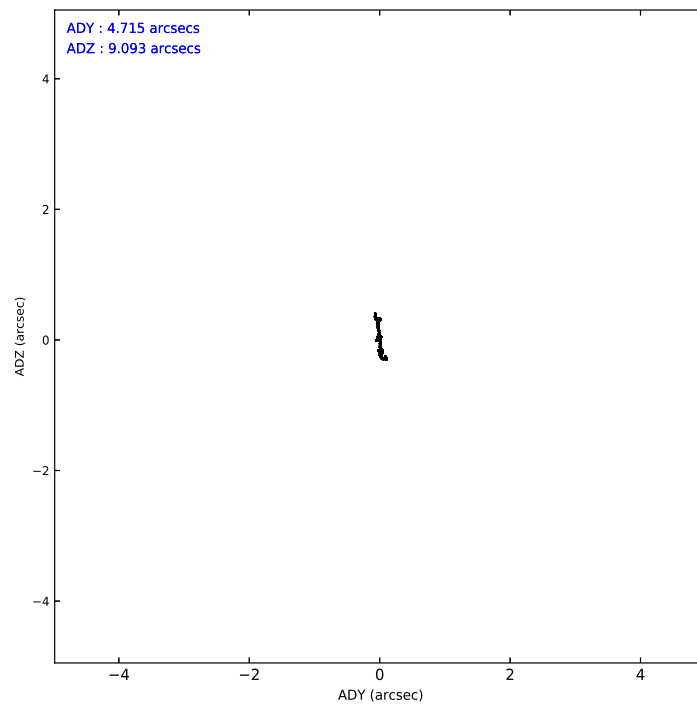
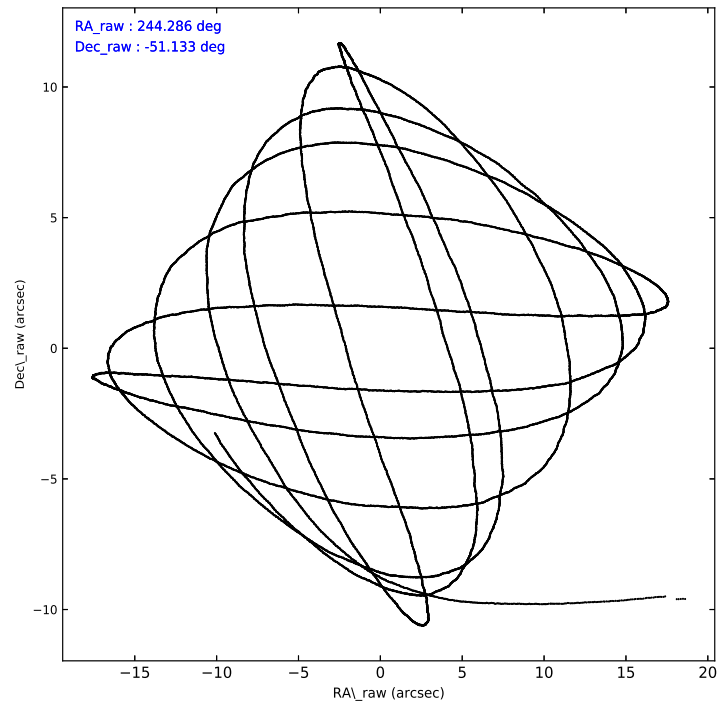
	ccd 3
level 1 events	48395
rejected events	13336
rejected %	27%

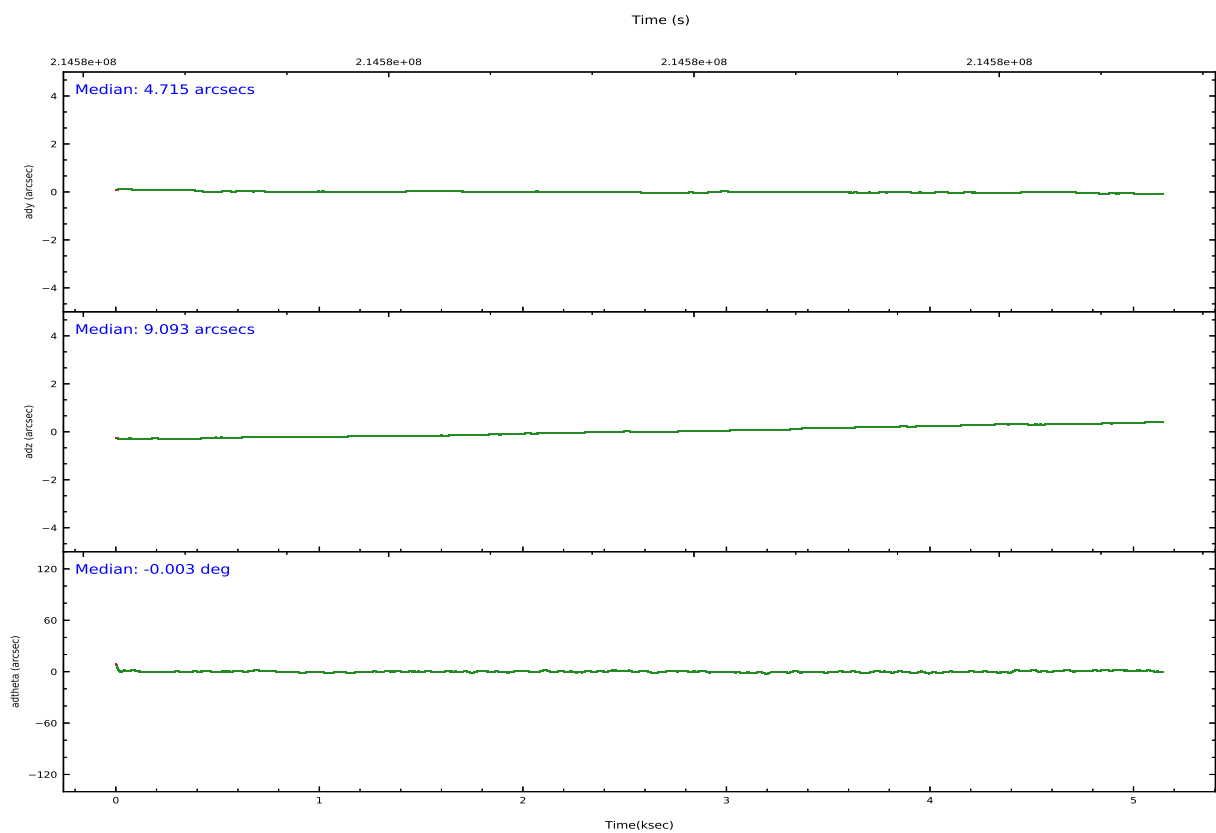
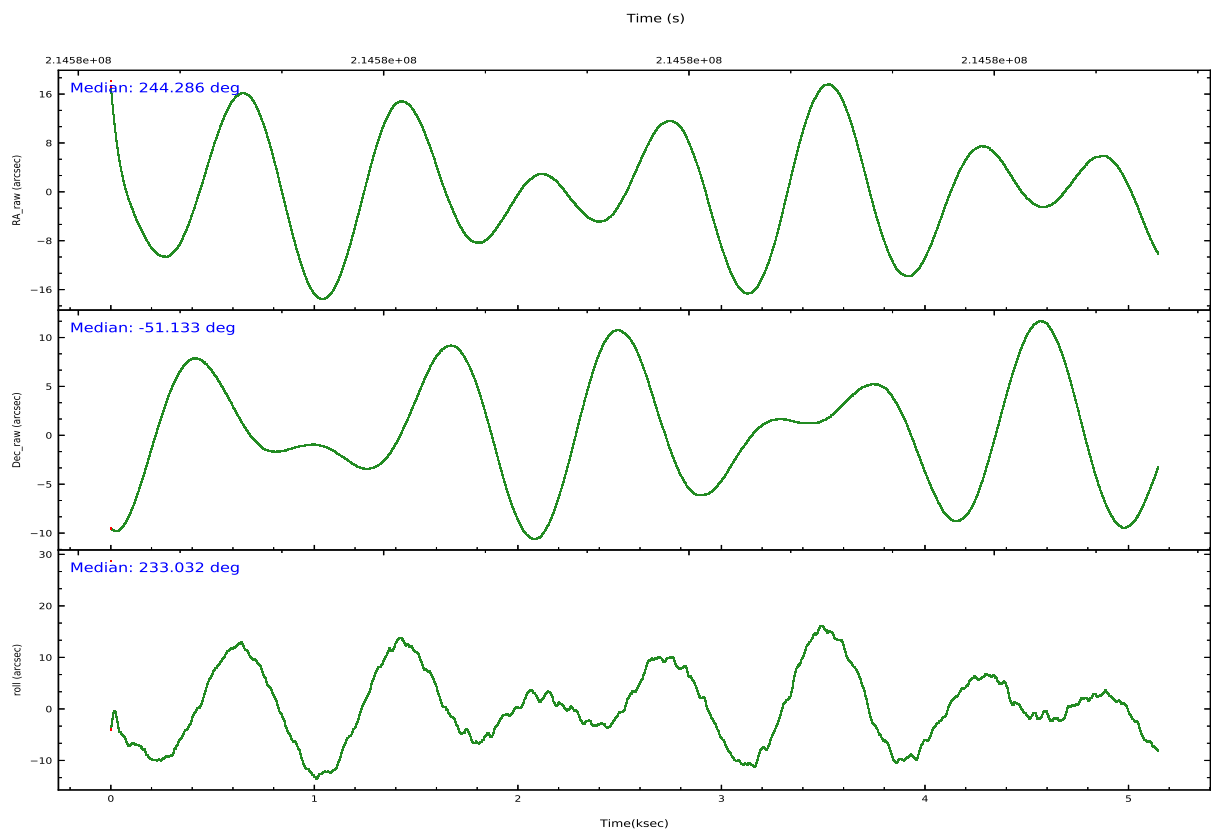
	ccd 3
grade 0 events	30925
	63%
grade 1 events	63
	0%
grade 2 events	3042
	6%
grade 3 events	902
	1%
grade 4 events	893
	1%
grade 5 events	211
	0%
grade 6 events	486
	1%
grade 7 events	11873
	24%

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	244.291064	244.28392942764	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-51.105766	-51.130286382132	Subarray start row	1	1
[deg] Pointing Roll	232.831114	233.03230854793	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)	214579306.184000	214577914.73939			
Observation start date	2004-10-19T13:20:42	2004-10-19T12:58:34			
[s] Observation end time (MET)	214584306.184000	214585053.35221			
Observation end date	2004-10-19T14:44:02	2004-10-19T14:57:33			
Read mode	TIMED	TIMED			

2.3 Aspect



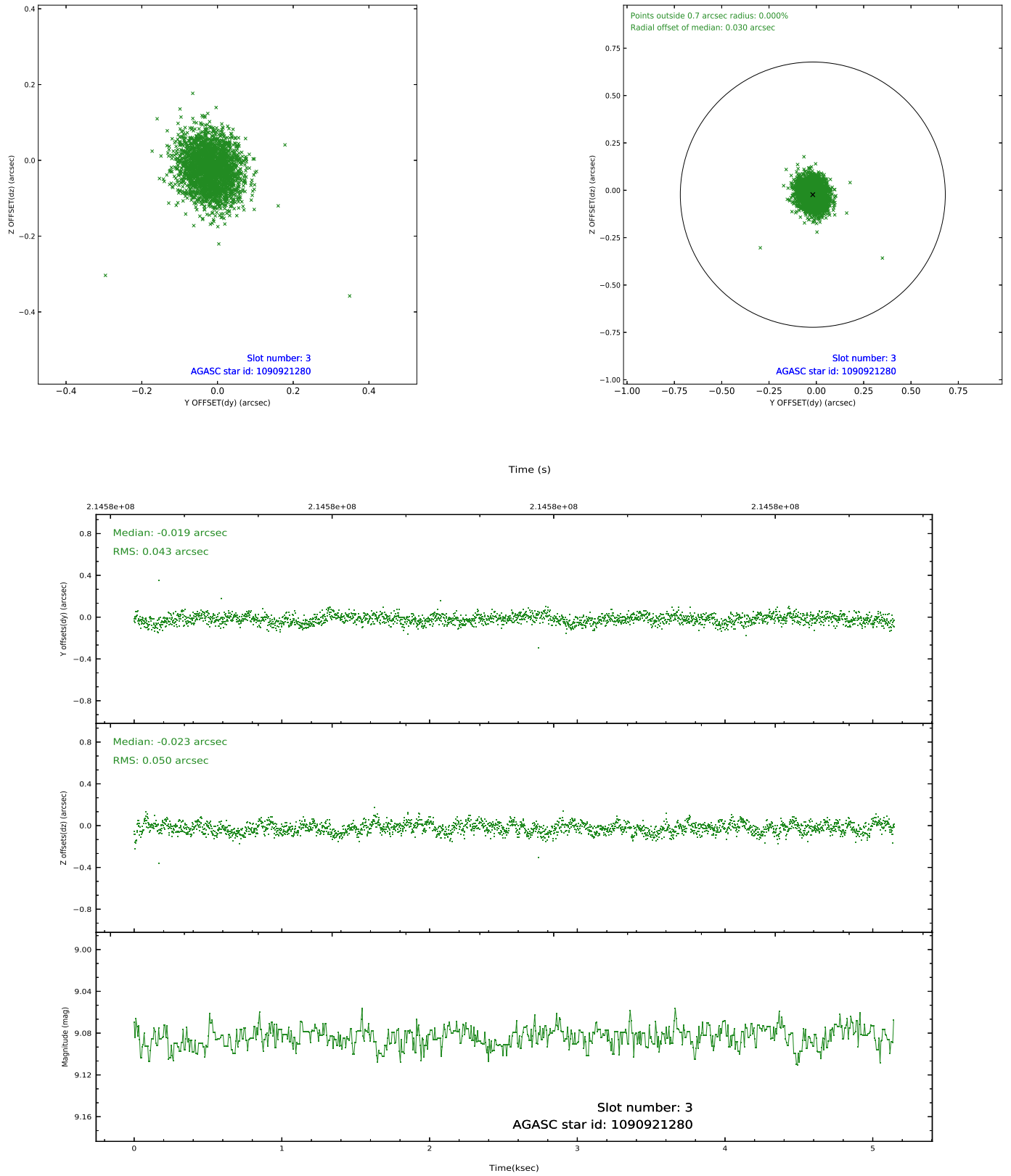


Slot Statistics

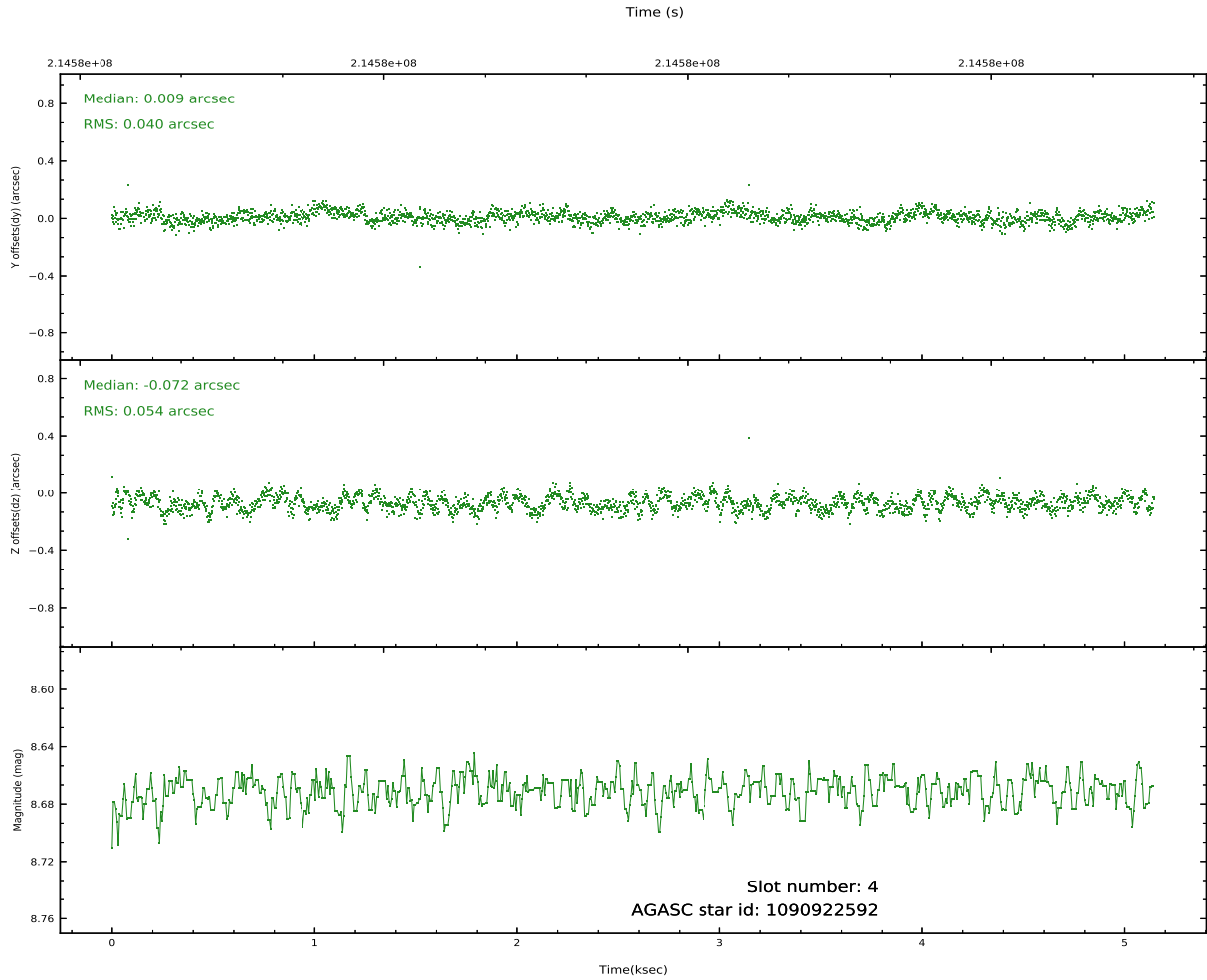
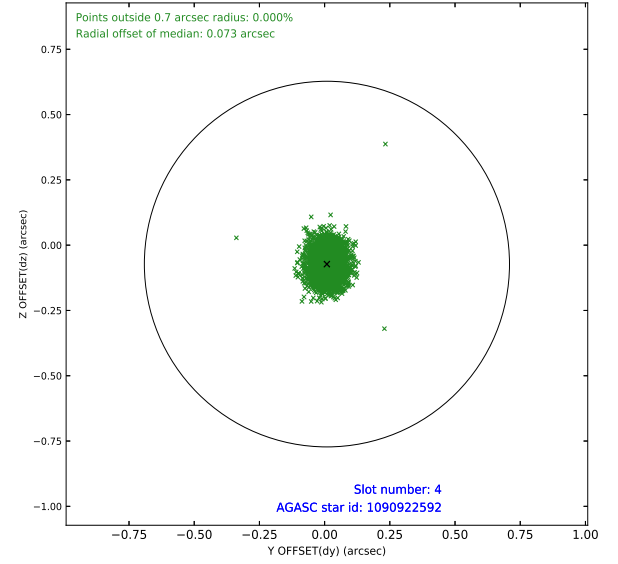
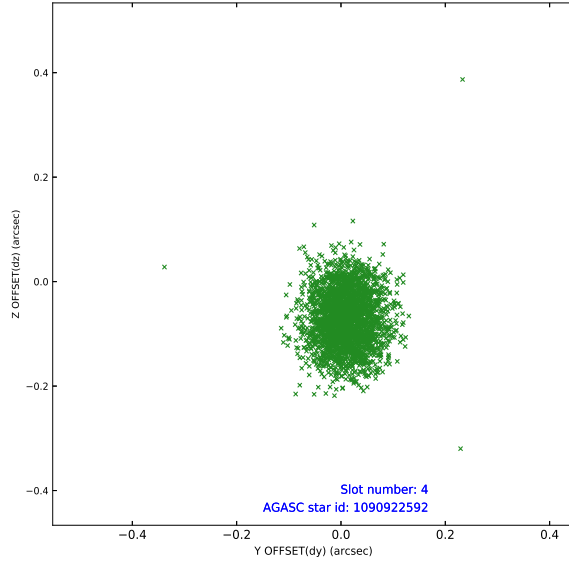
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	1256	1.000	-0.018	0.009	0.012	0.023	0.000000	0.000000	935.03	-832
1	FID		ACIS-I-4	7.17	1256	1.000	0.154	0.026	0.012	0.023	0.000000	0.000000	2155.87	1066
2	FID		ACIS-I-5	7.22	1256	1.000	-0.234	0.036	0.009	0.016	0.000000	0.000000	-1811.70	1065
3	GUIDE	used	1090921280	9.08	2508	1.000	-0.019	-0.023	0.069	0.111	244.365071	-50.638328	-1442.73	-882
4	GUIDE	used	1090922592	8.67	2507	1.000	0.009	-0.072	0.071	0.112	243.541382	-50.784876	118.73	-2051
5	GUIDE	used	1090924096	8.05	2511	1.000	0.085	0.036	0.058	0.094	243.849549	-51.016855	351.87	-989
6	GUIDE	used	1090924384	8.06	2511	1.000	-0.008	-0.009	0.053	0.084	243.330505	-50.934017	835.99	-2101
7	GUIDE	used	1091059112	9.07	2510	1.000	-0.070	0.072	0.069	0.116	245.180420	-50.736664	-2272.90	818

2.4 Star Slots

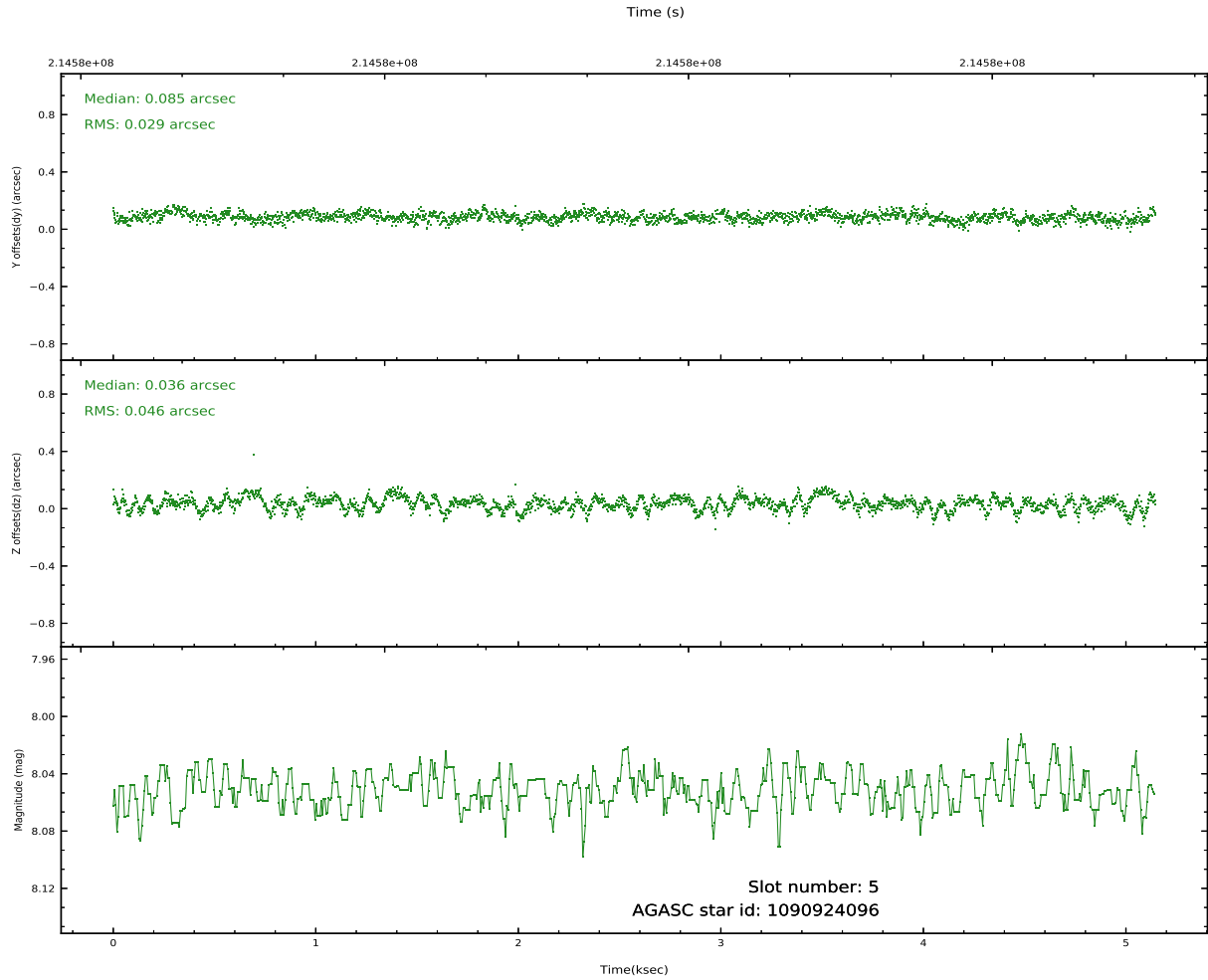
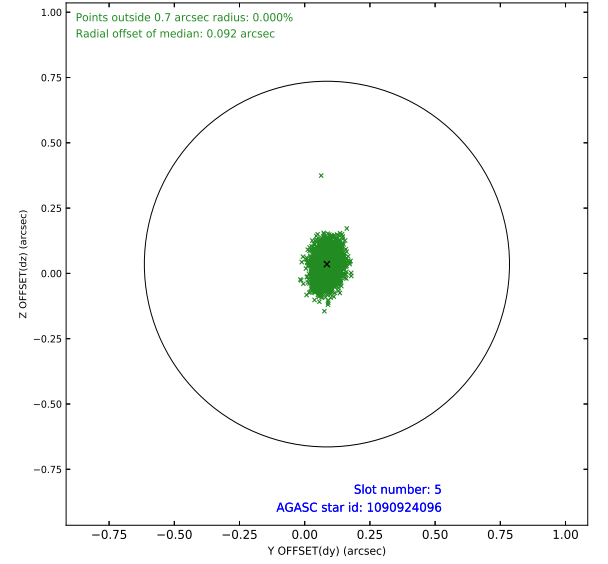
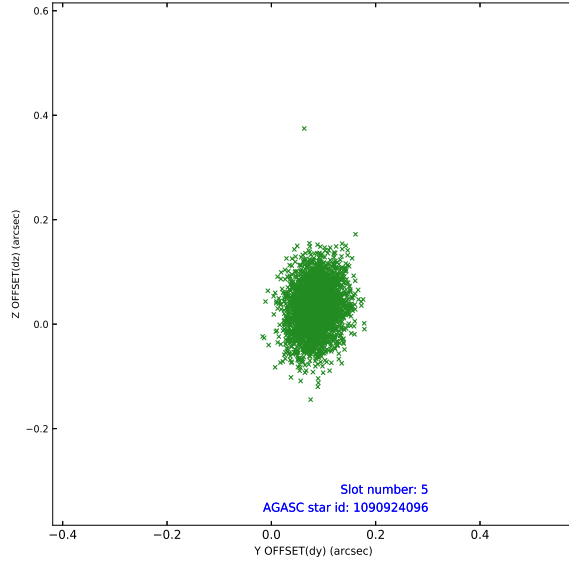
2.4.1 Slot 3



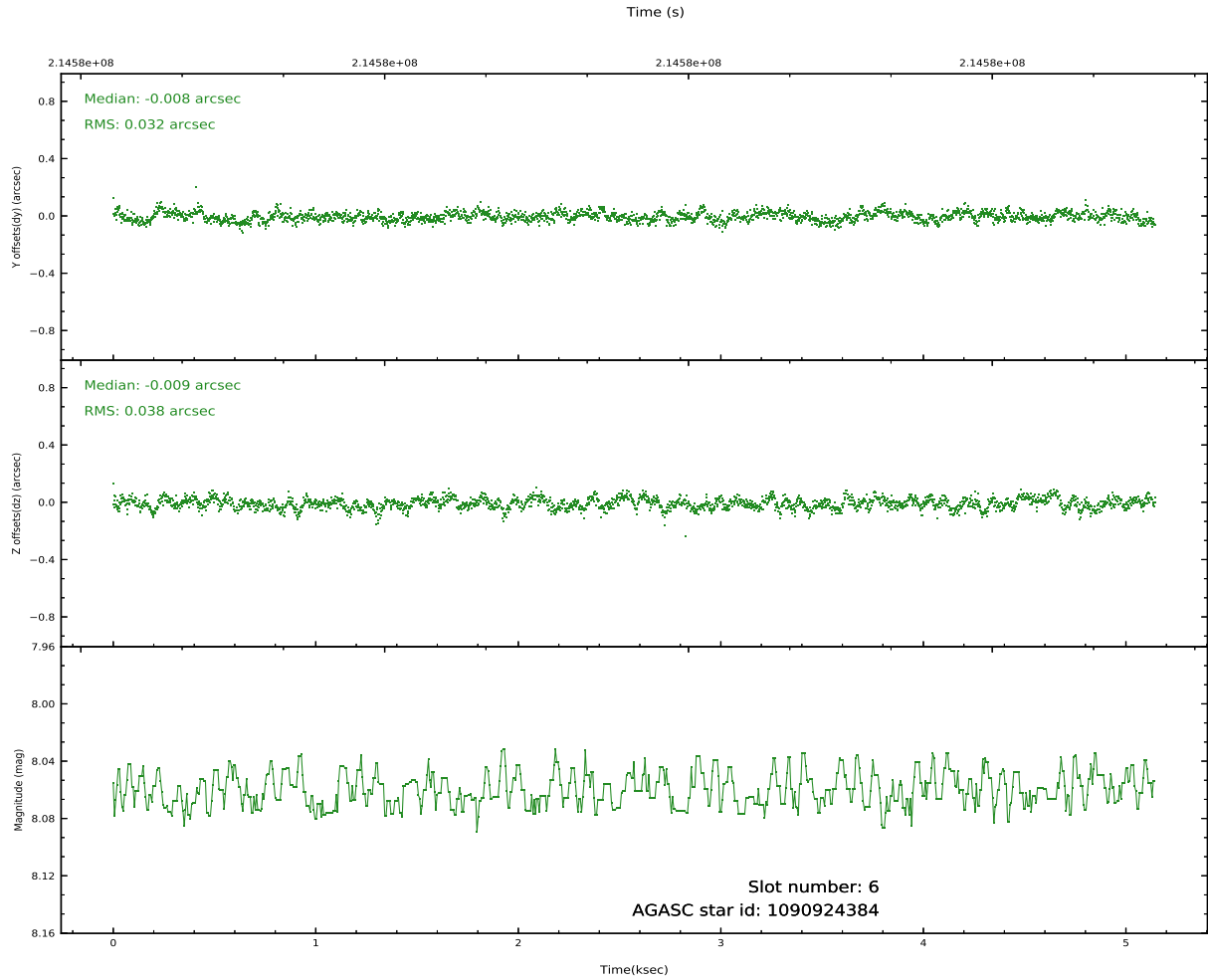
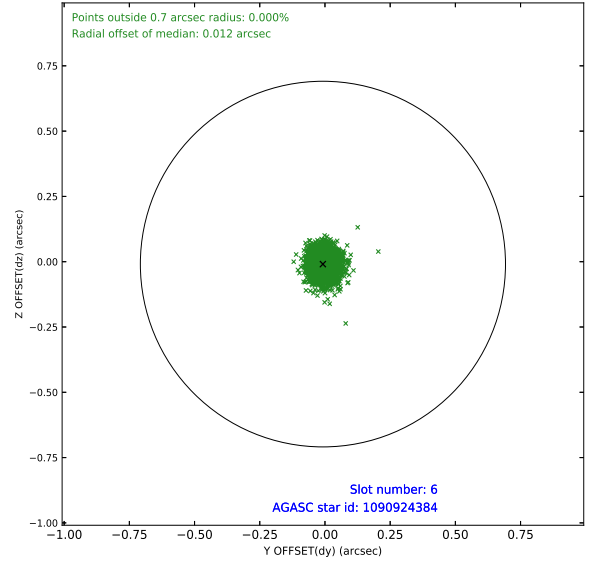
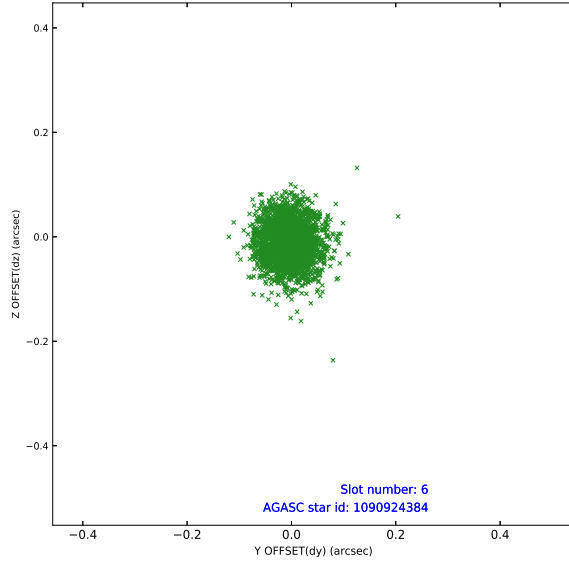
2.4.2 Slot 4



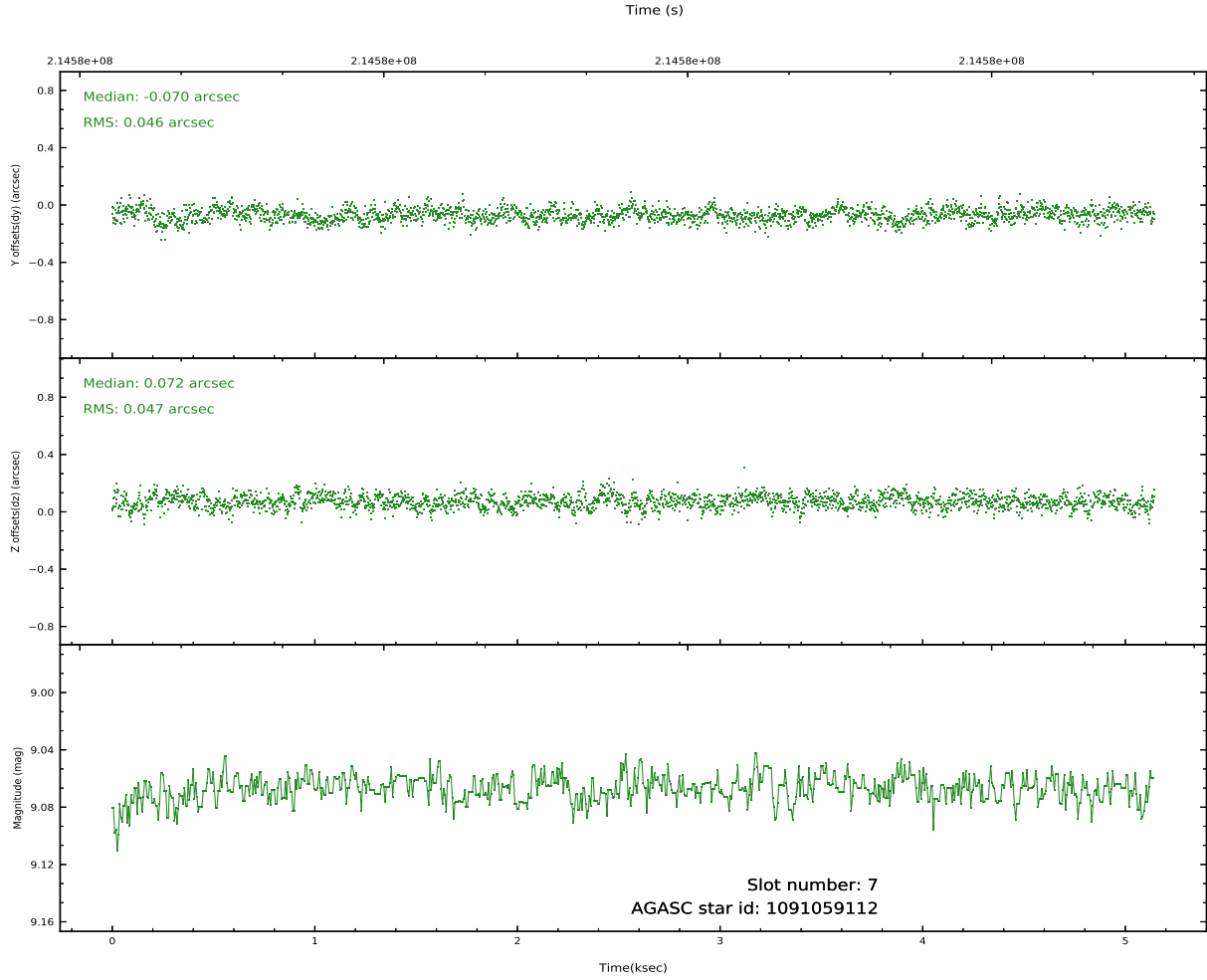
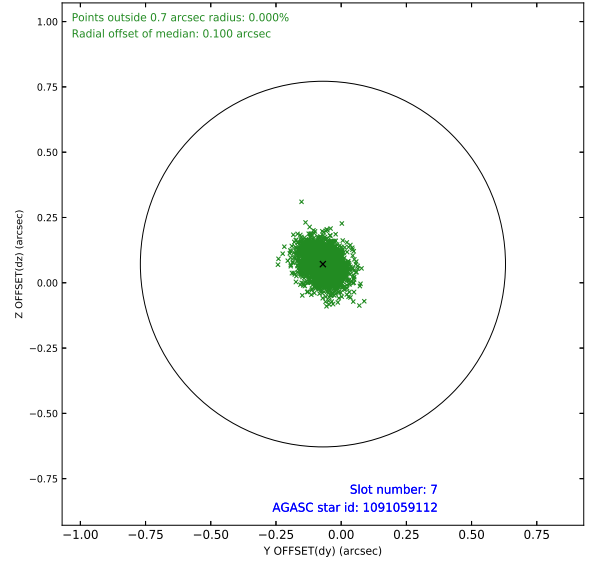
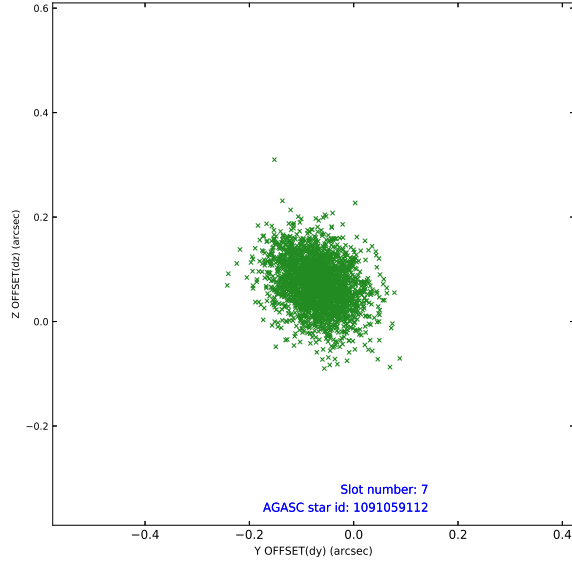
2.4.3 Slot 5



2.4.4 Slot 6

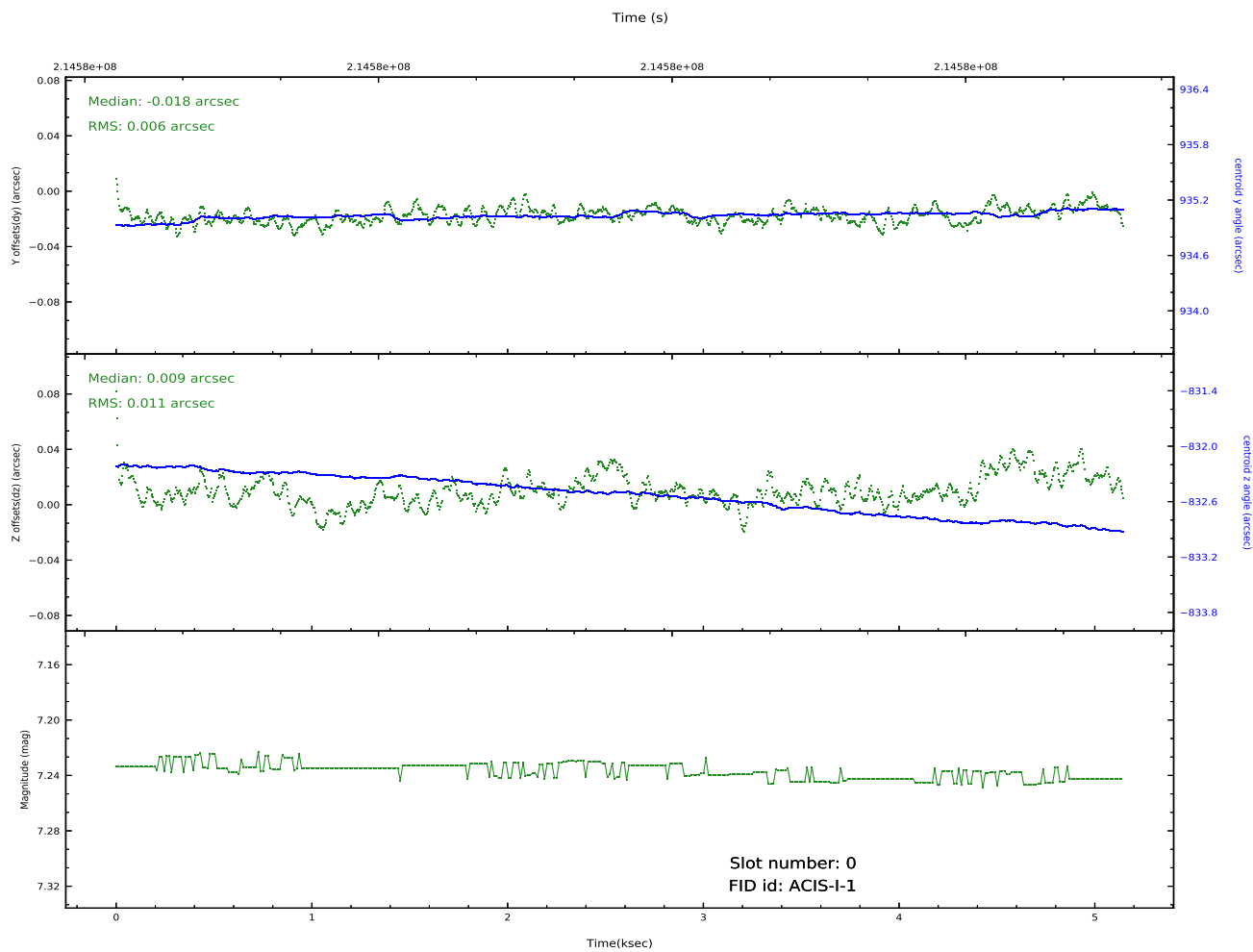
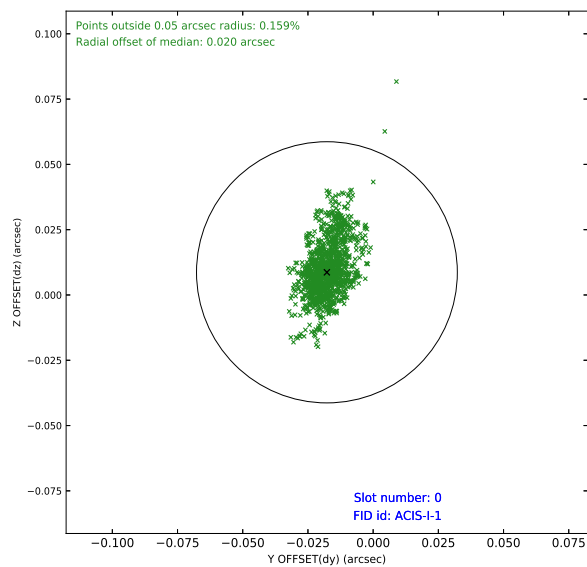
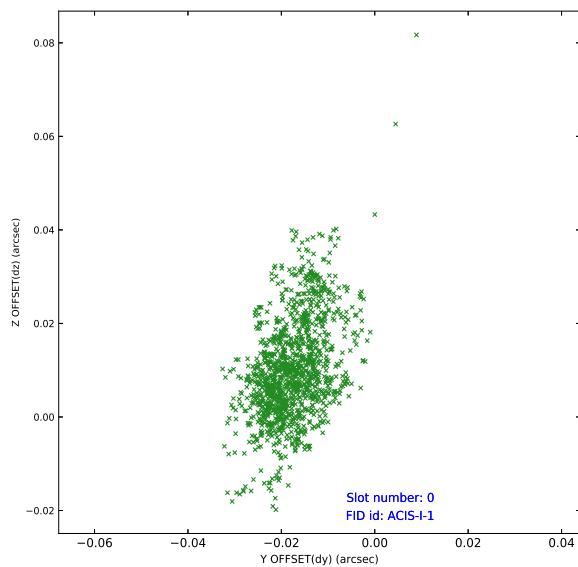


2.4.5 Slot 7

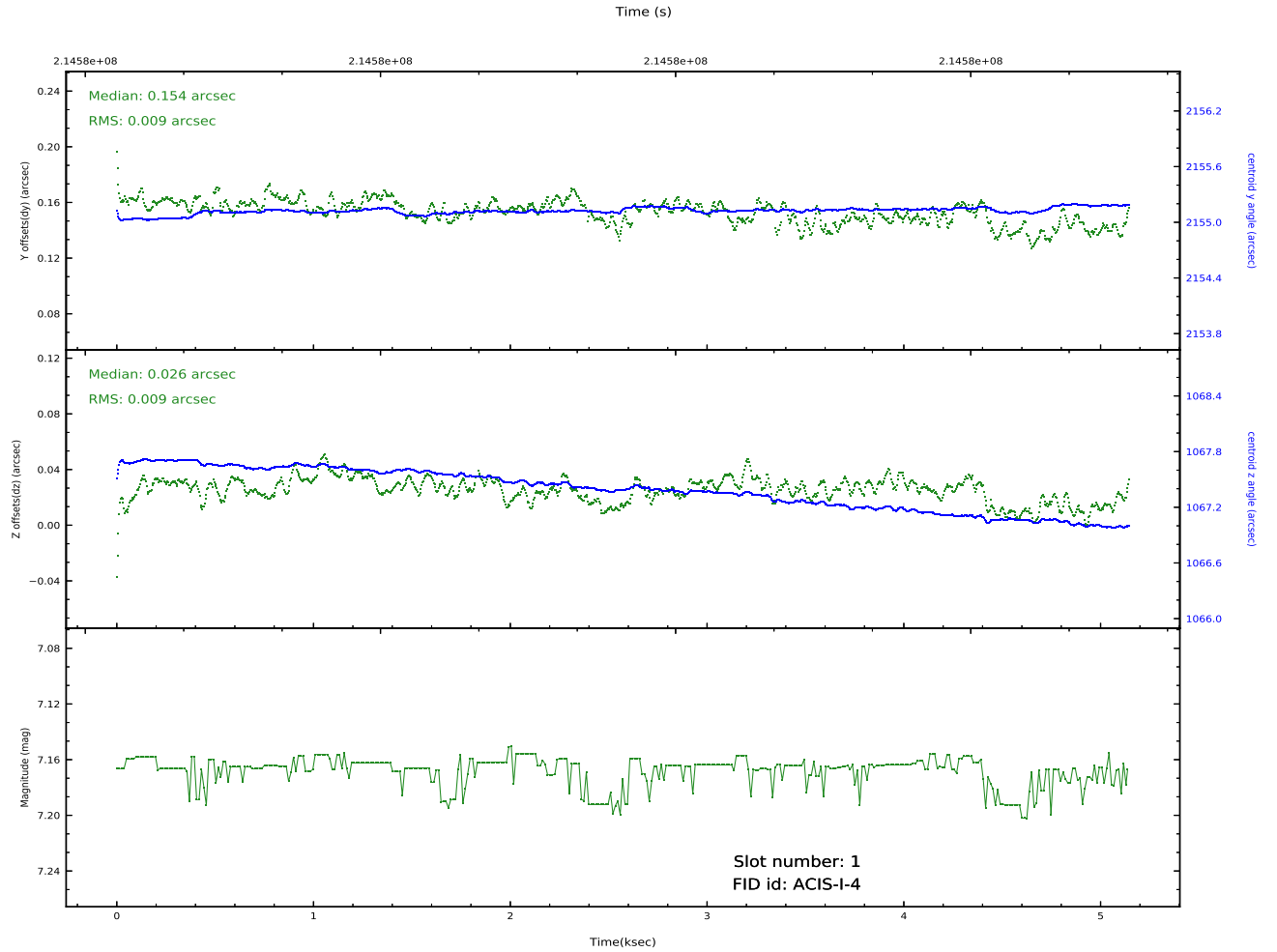
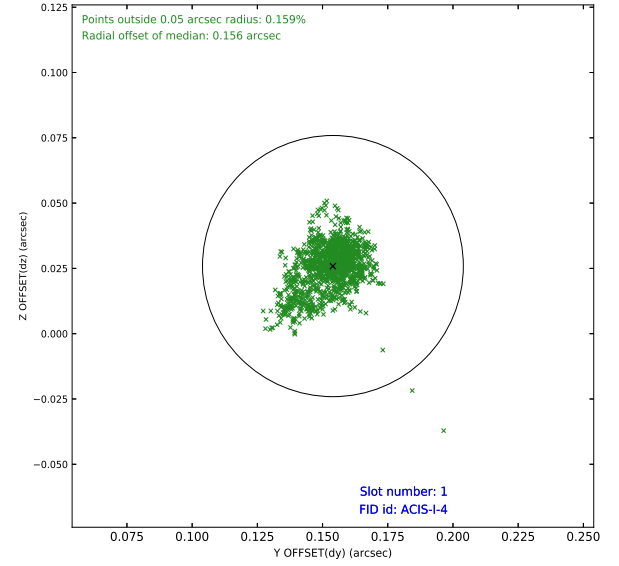
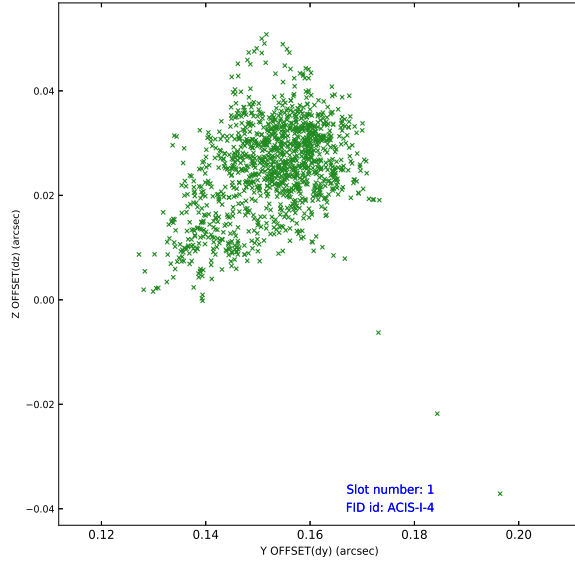


2.5 FID Slots

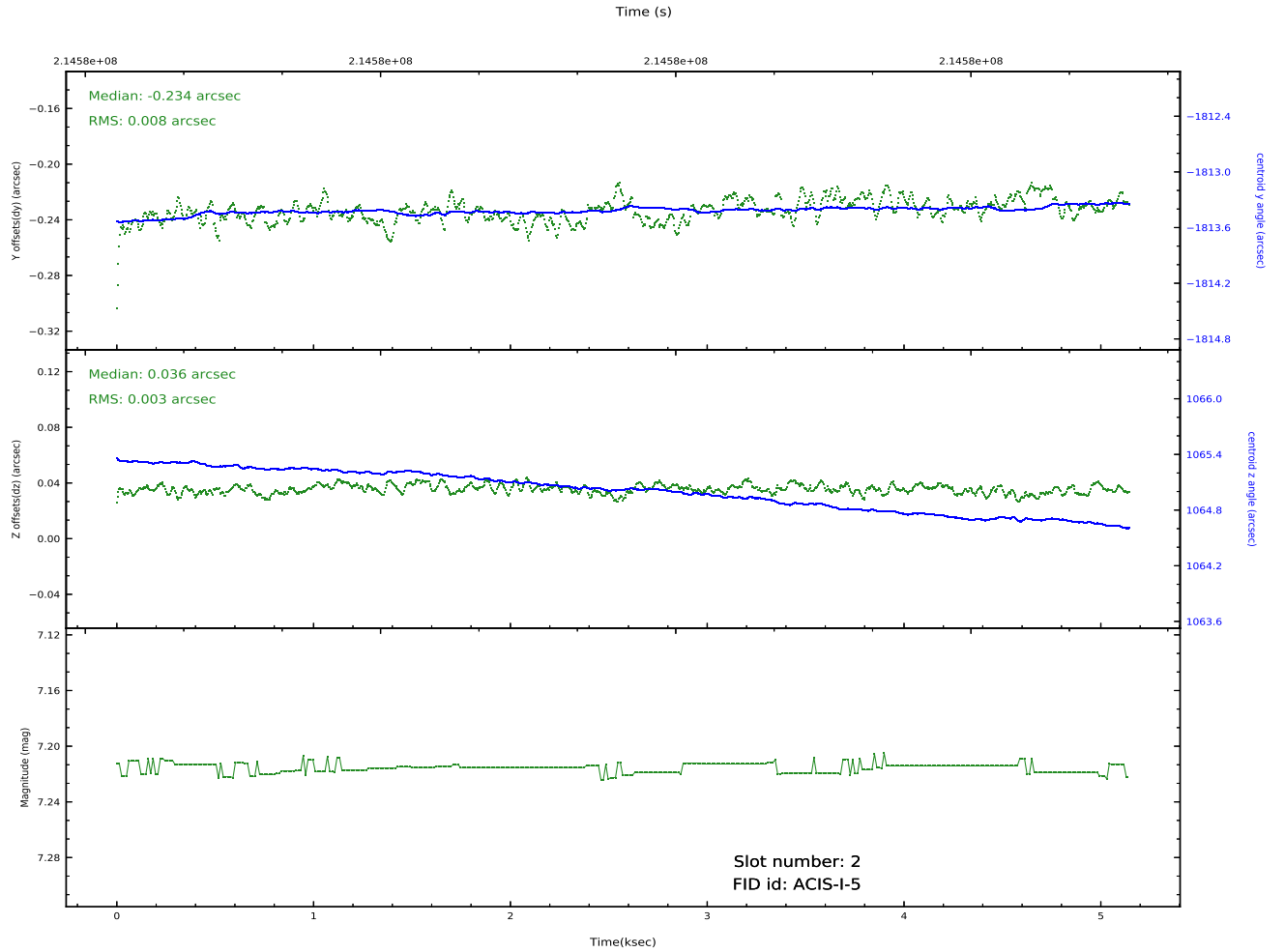
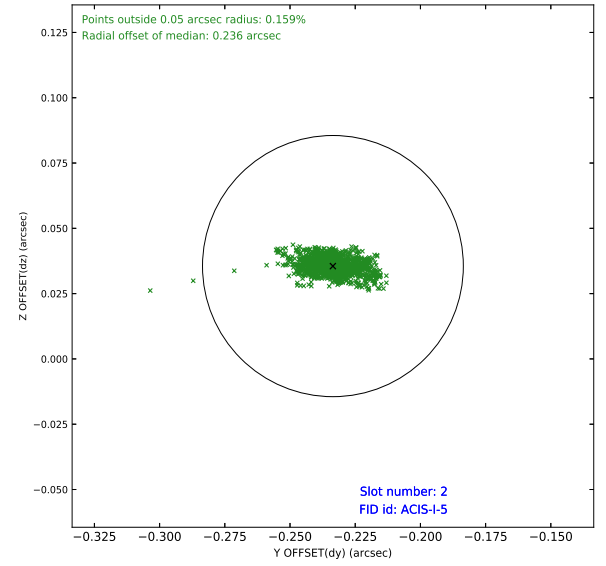
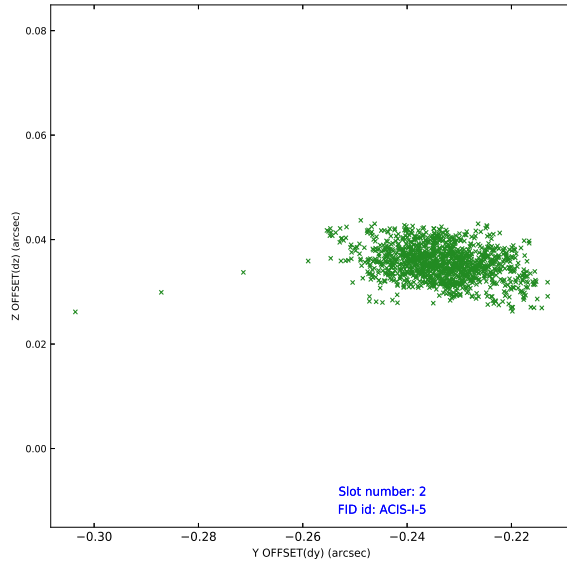
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.144

A.2 Comments