

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5471 - L2 Version 4
Chandra X-Ray Center

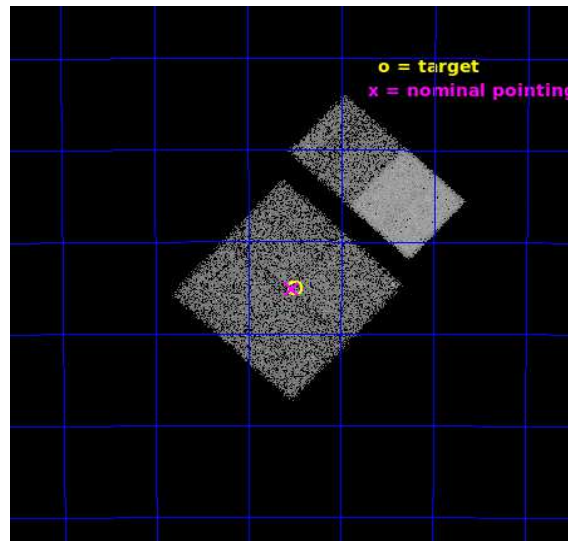
L2 Processing Date : Oct 7 2020

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1 Front

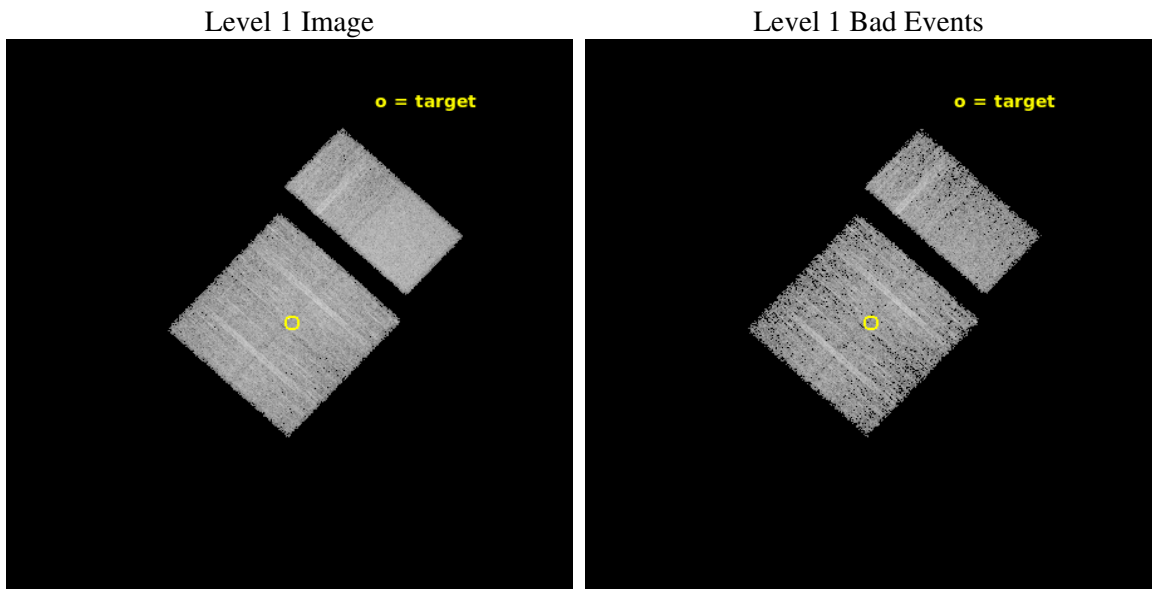
seq_num	400401	Sequence number
obs_id	5471	Observation id
title	Localization of INTEGRAL-Selected Sources in the Norma Region	Prop
observer	John Tomsick	Principal investigator
object	IGR J16195-4945	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.875	Observer's specified target RA [deg]
dec_targ	-49.75	Observer's specified target Dec [deg]
ra_nom	244.88194457378	Nominal RA [deg]
dec_nom	-49.752112867832	Nominal Dec [deg]
roll_nom	42.86051930522	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4811.7482337058	Sum of GTIs [s]
livetime	4750.8189802836	Livetime [s]
ontime0	4811.6251137257	Sum of GTIs [s]
ontime1	4811.6661536992	Sum of GTIs [s]
ontime2	4811.7071937025	Sum of GTIs [s]
ontime3	4811.7482337058	Sum of GTIs [s]
ontime6	4811.8303137124	Sum of GTIs [s]
ontime7	4811.7892737091	Sum of GTIs [s]
l2events	52283	Number of level 2 events



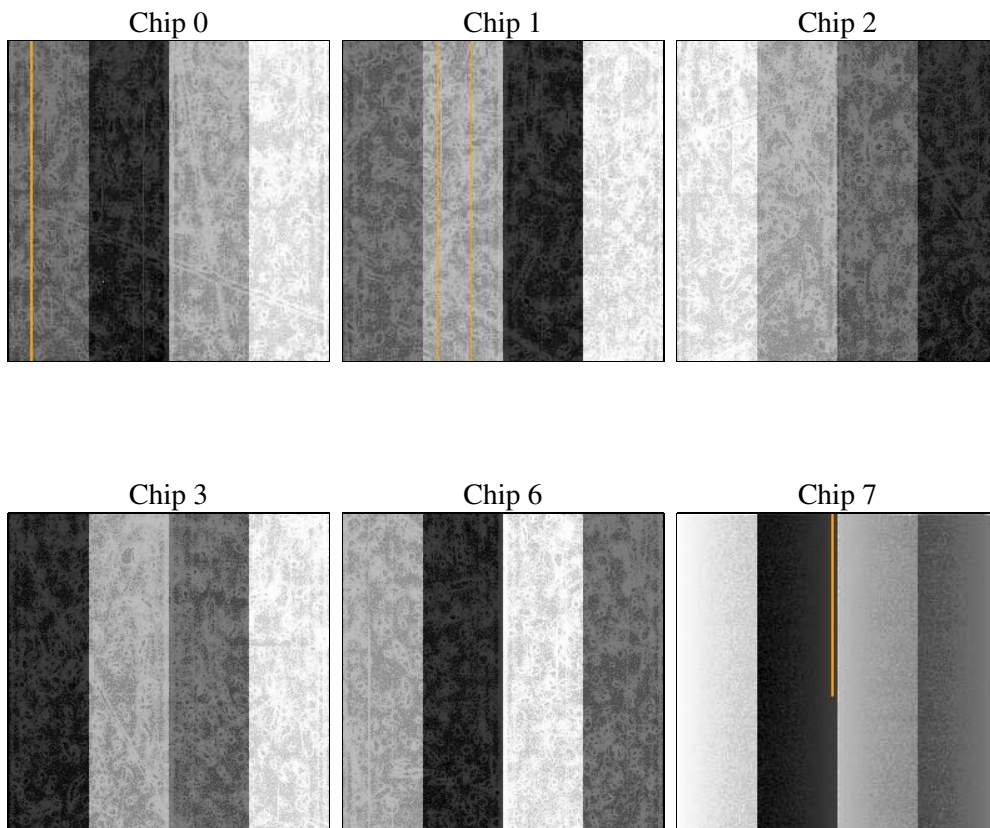
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4853.276000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4811.7482337058	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	4811.6251137257	Sum of GTIs [s]
date	2020-10-08T00:57:57	Date and time of file creation	ontime1	4811.6661536992	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4811.7071937025	Sum of GTIs [s]
			ontime3	4811.7482337058	Sum of GTIs [s]
			ontime6	4811.8303137124	Sum of GTIs [s]
			ontime7	4811.7892737091	Sum of GTIs [s]
			l1events	247028	Number of level 1 events

2.1.4 Events

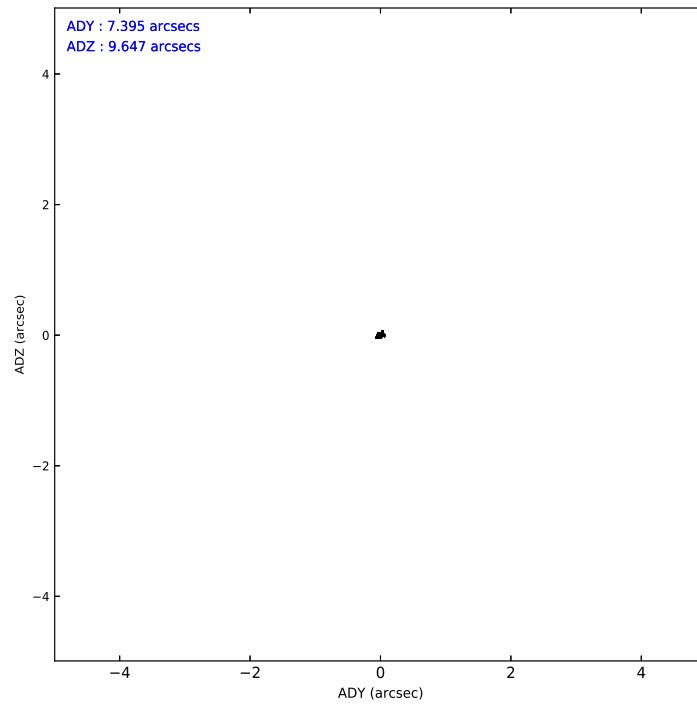
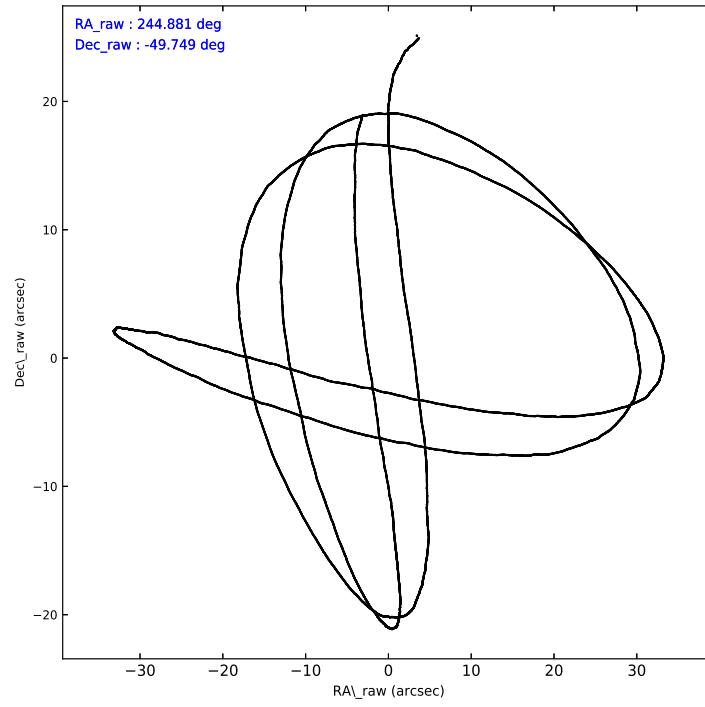
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	36268	36487	39485	40419	40819	53550	grade 0 events	3501	3352	3724	3566	3249	2216
rejected events	29748	29818	32872	33866	34294	29689		9%	9%	9%	8%	7%	4%
rejected %	82%	81%	83%	83%	84%	55%	grade 1 events	27	25	36	37	26	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	1145	1295	1129	1102	1303	4518
								3%	3%	2%	2%	3%	8%
							grade 3 events	500	538	468	500	485	2046
								1%	1%	1%	1%	1%	3%
							grade 4 events	471	533	487	530	515	2000
								1%	1%	1%	1%	1%	3%
							grade 5 events	1500	1629	1499	1739	1780	4703
								4%	4%	3%	4%	4%	8%
							grade 6 events	908	959	809	863	977	13094
								2%	2%	2%	2%	2%	24%
							grade 7 events	28216	28156	31333	32082	32484	24910
								77%	77%	79%	79%	79%	46%

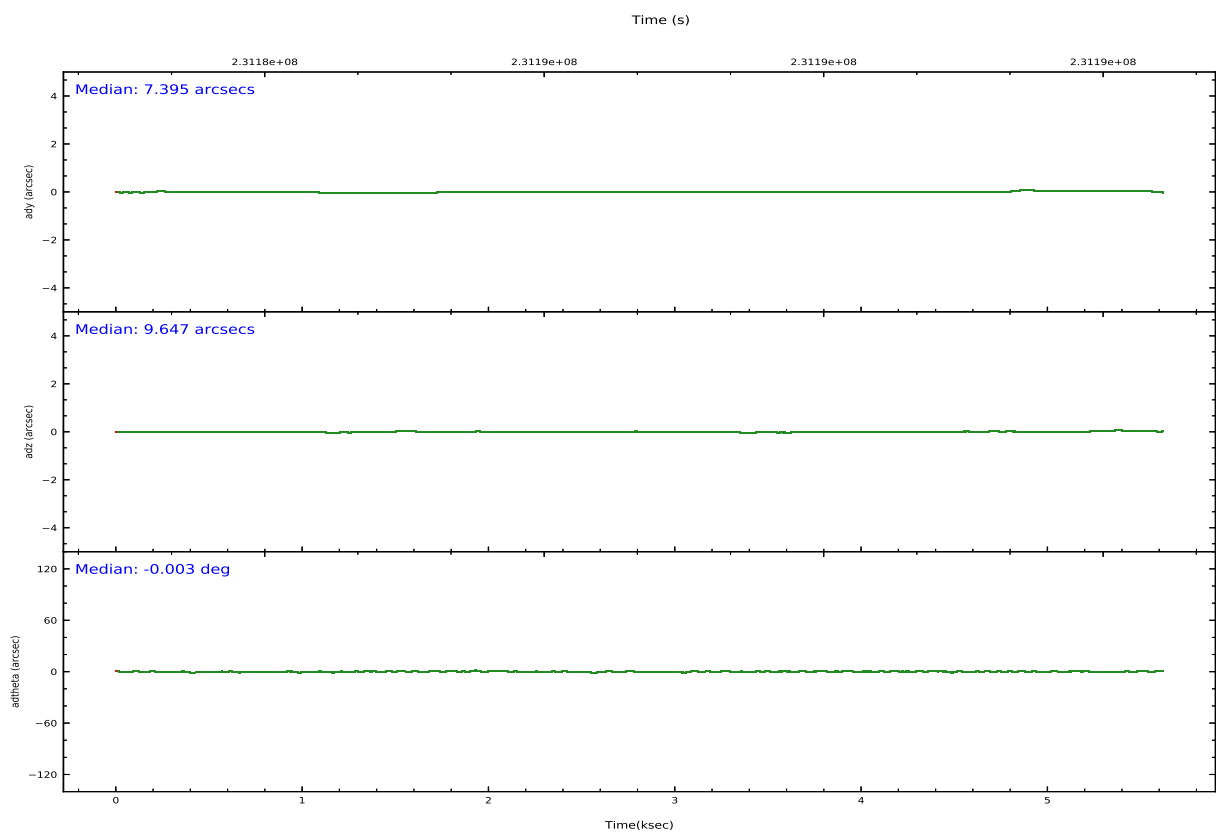
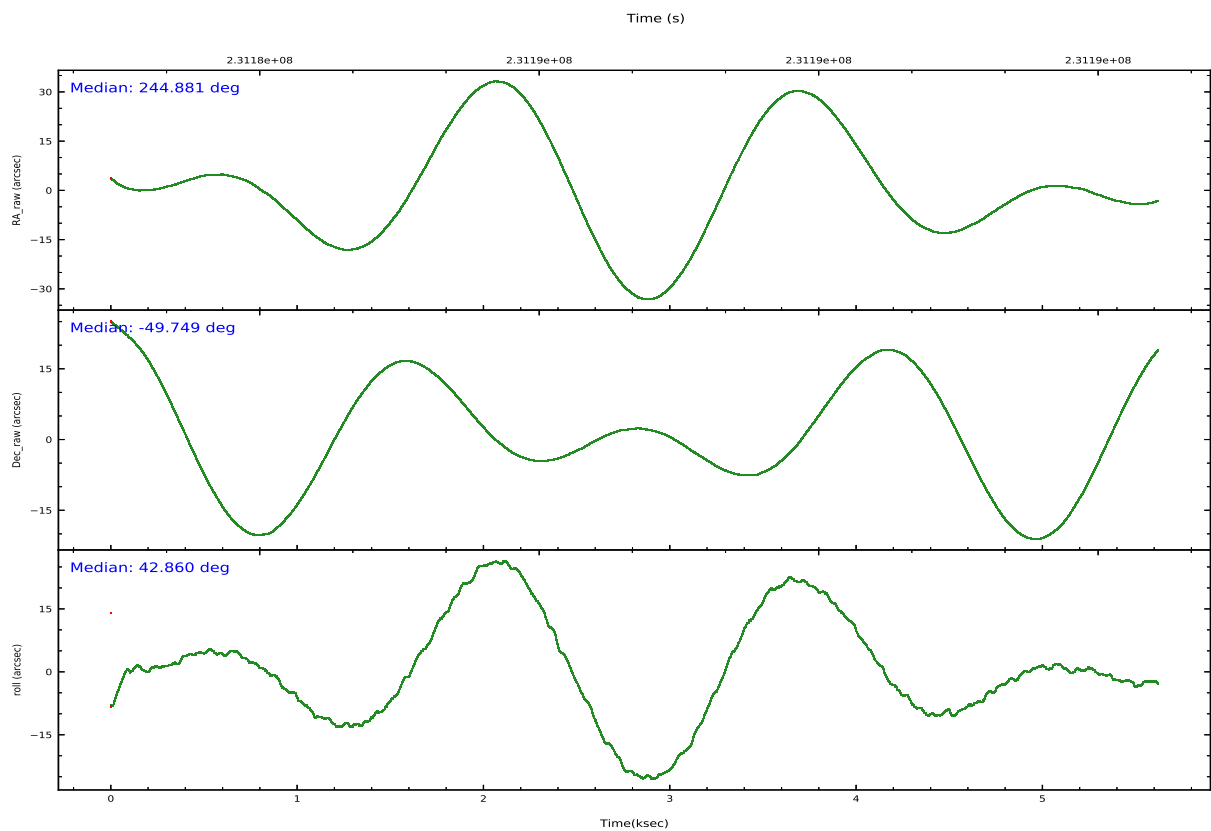
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	244.869418	244.88194457378
[deg] Pointing Dec	-49.774615	-49.752112867832
[deg] Pointing Roll	42.643574	42.86051930522
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	231183969.184000	231182719.2016
Observation start date	2005-04-29T17:45:05	2005-04-29T17:25:19
[s] Observation end time (MET)	231188822.184000	231189057.28938
Observation end date	2005-04-29T19:05:58	2005-04-29T19:10:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



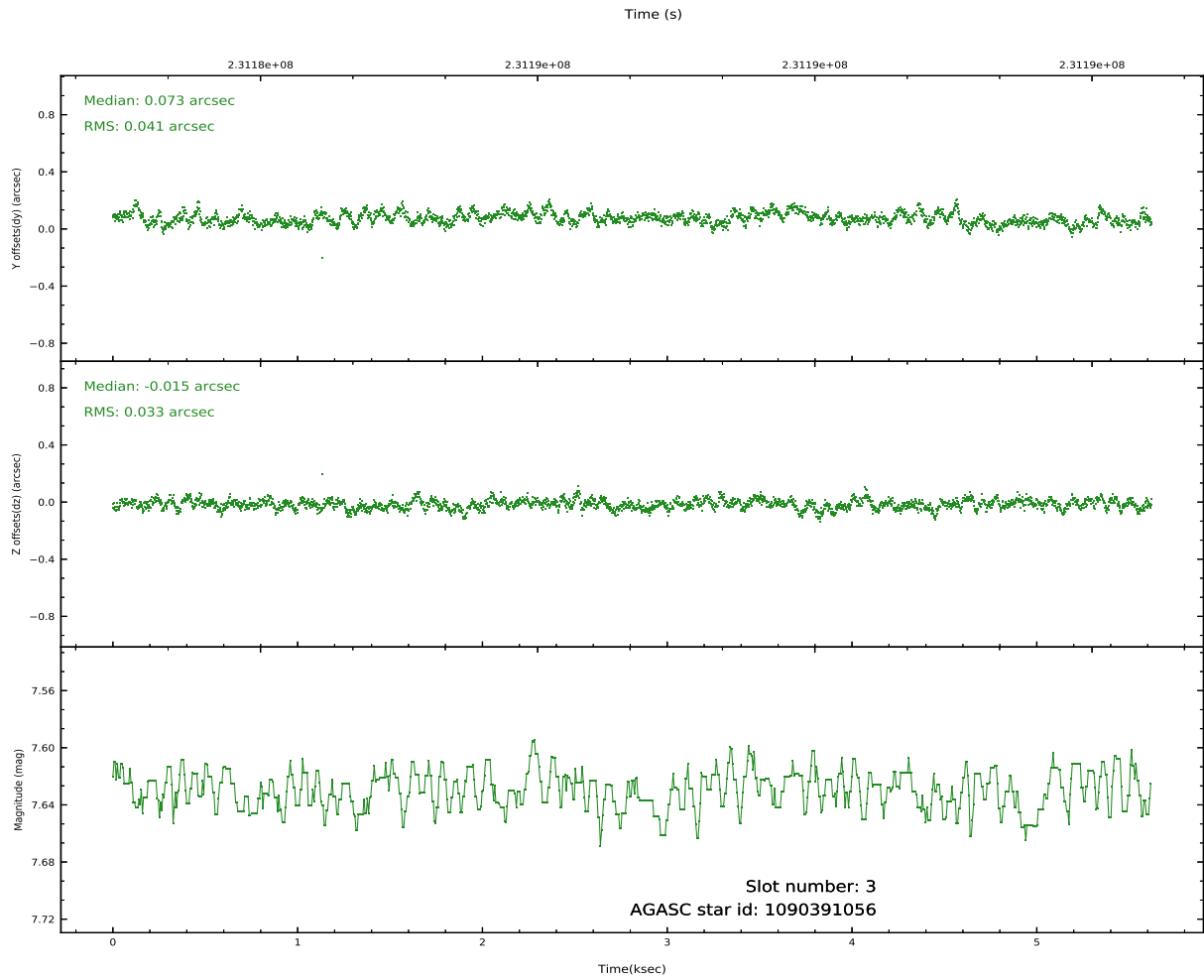
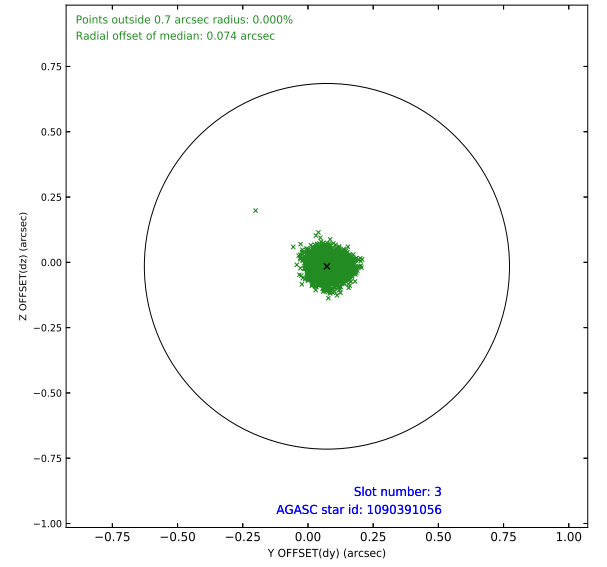
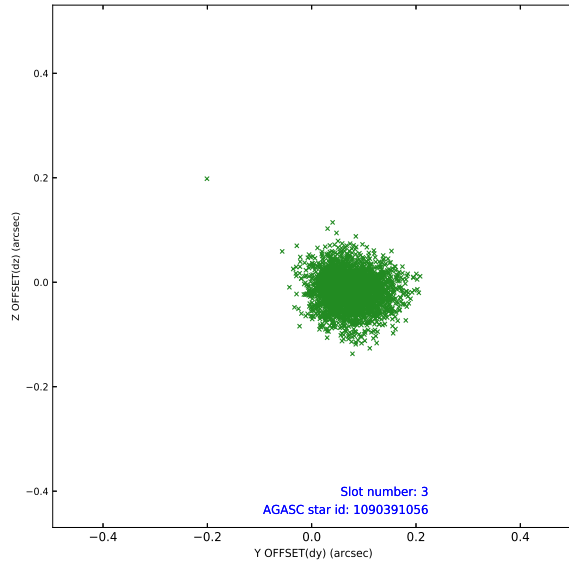


Slot Statistics

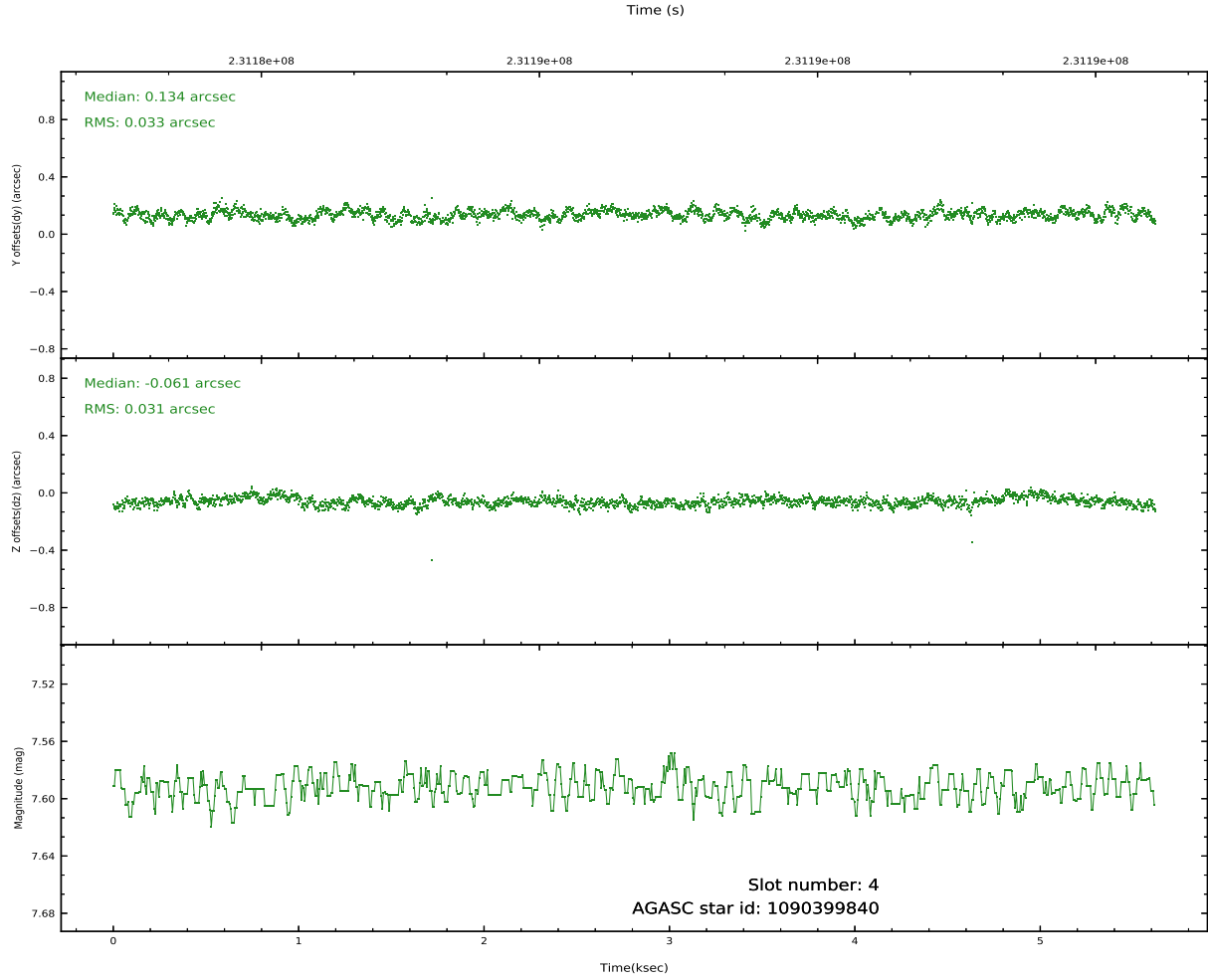
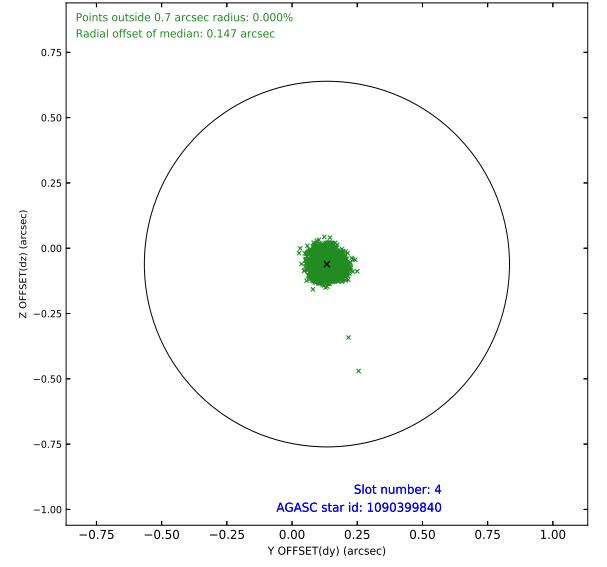
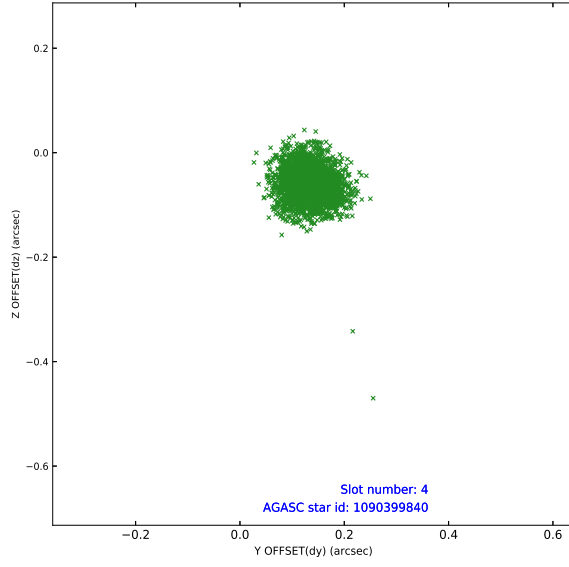
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	1372	1.000	0.010	0.005	0.006	0.011	0.000000	0.000000	932.30	-833
1	FID		ACIS-I-5	7.23	1372	1.000	-0.201	0.017	0.006	0.011	0.000000	0.000000	-1815.45	1063
2	FID		ACIS-I-6	7.25	1372	1.000	0.100	0.048	0.007	0.011	0.000000	0.000000	396.74	1709
3	GUIDE	used	1090391056	7.63	2742	1.000	0.073	-0.015	0.055	0.091	244.221245	-49.856754	-1310.26	796
4	GUIDE	used	1090399840	7.59	2743	1.000	0.134	-0.061	0.048	0.076	243.797224	-49.874464	-2084.60	1407
5	GUIDE	used	1090519800	8.86	2743	1.000	0.041	0.063	0.071	0.116	245.591117	-49.628512	1589.23	-758
6	GUIDE	used	1090522688	8.04	2743	1.000	-0.173	-0.086	0.060	0.095	245.358664	-49.397960	1760.80	218
7	GUIDE	used	1090520992	7.48	2741	1.000	-0.074	0.098	0.047	0.078	245.489527	-49.662443	1334.25	-685

2.4 Star Slots

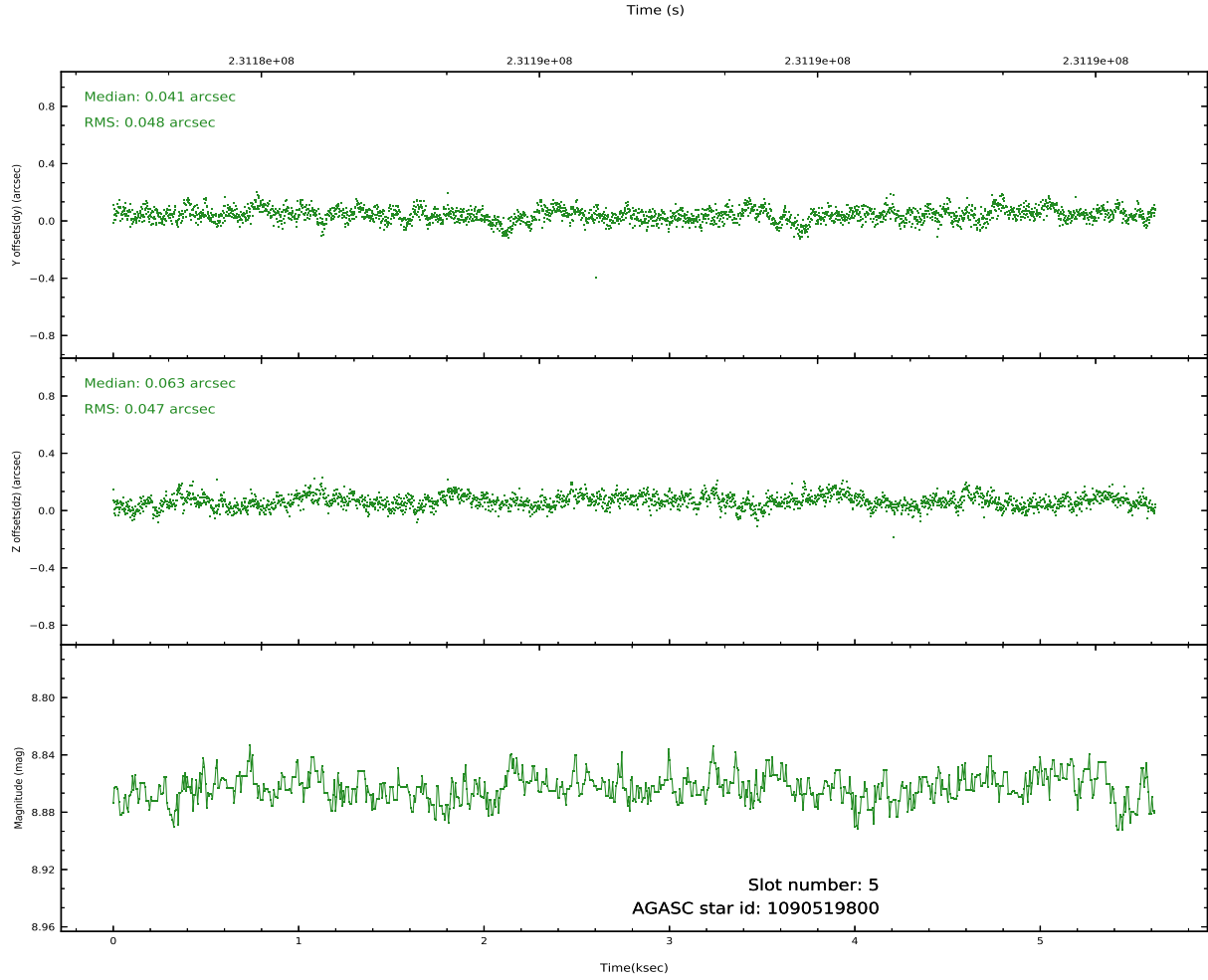
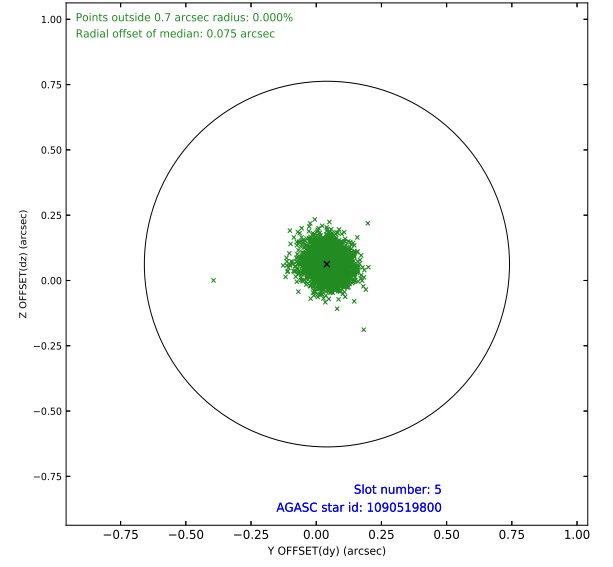
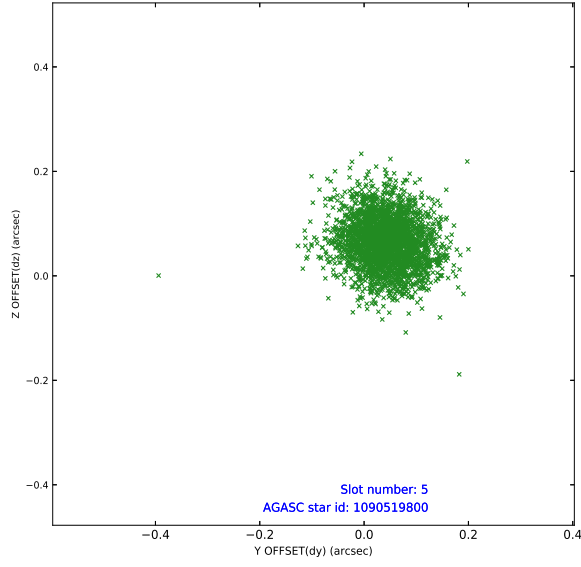
2.4.1 Slot 3



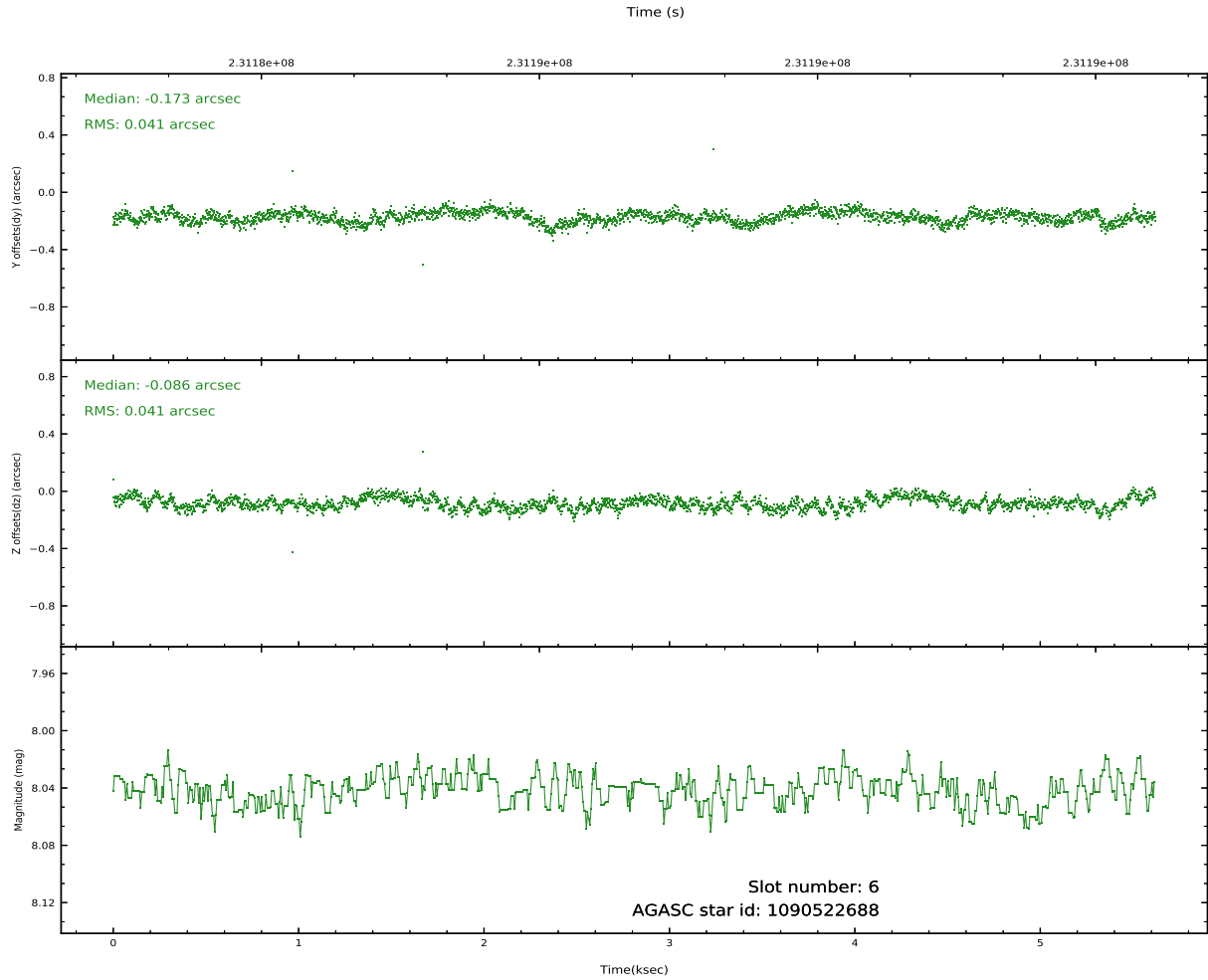
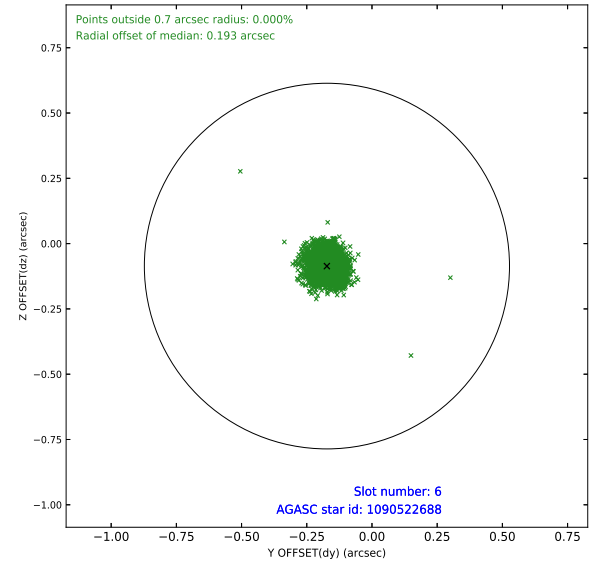
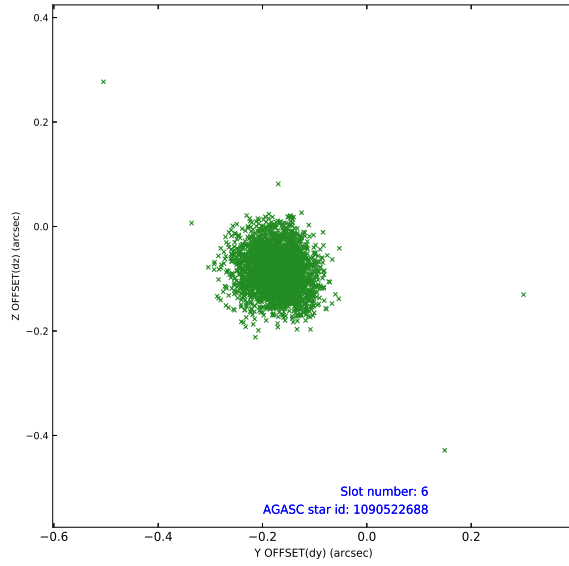
2.4.2 Slot 4



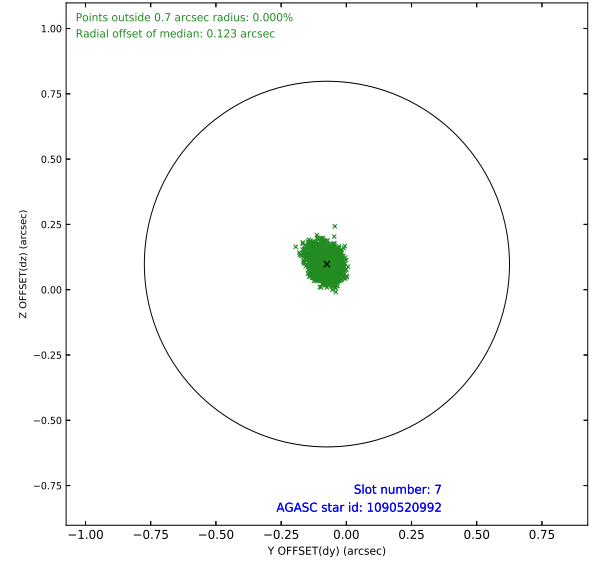
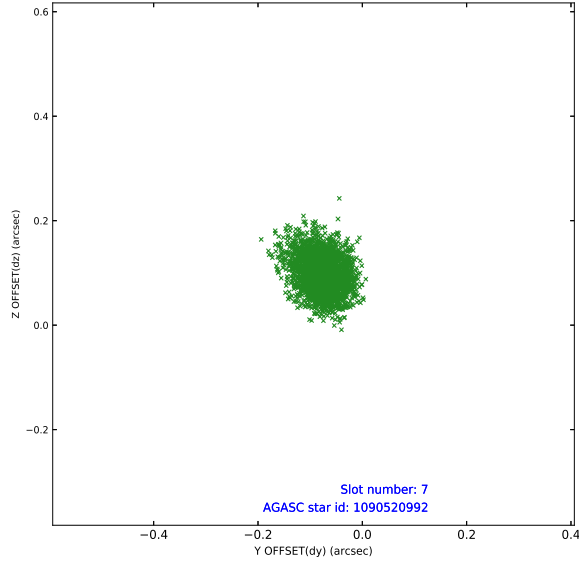
2.4.3 Slot 5



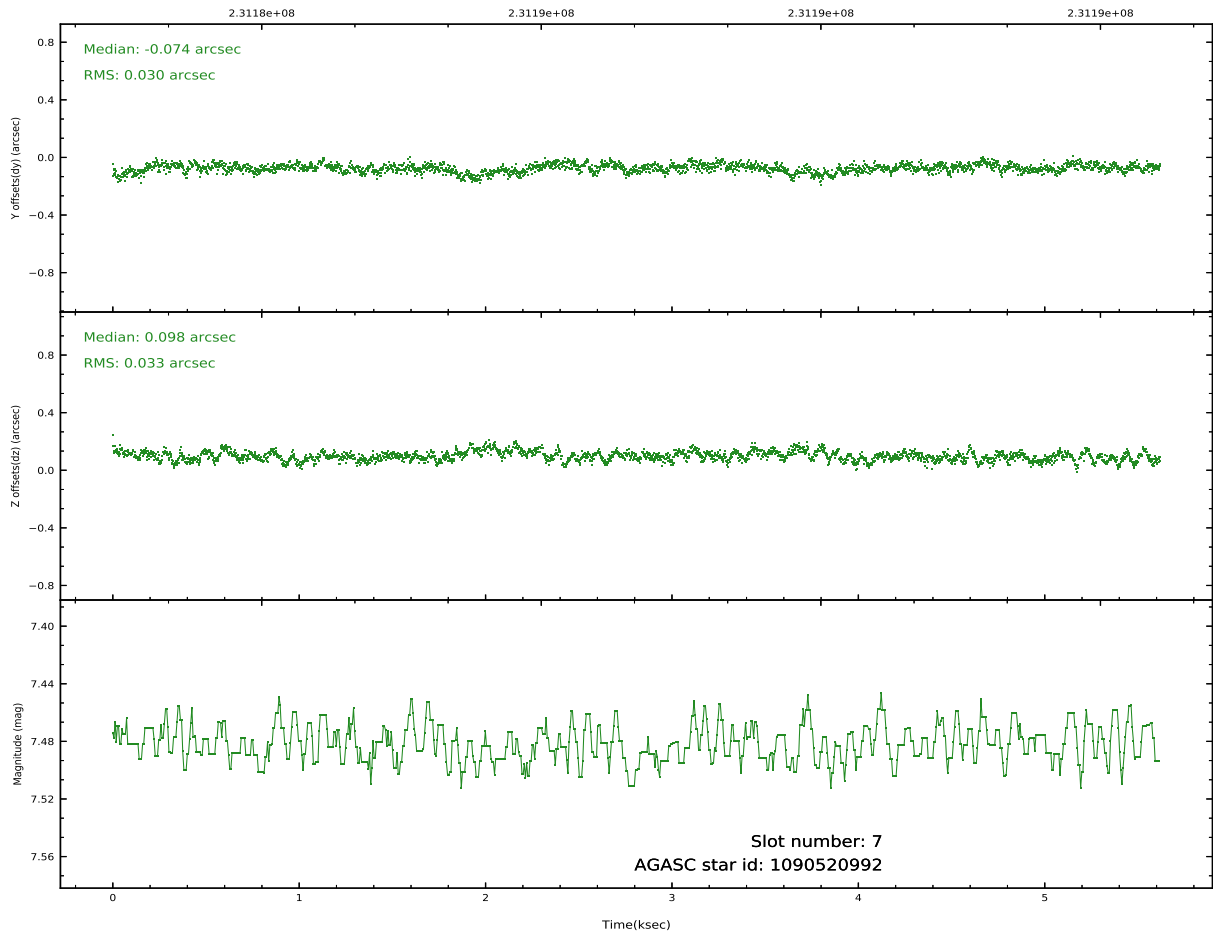
2.4.4 Slot 6



2.4.5 Slot 7

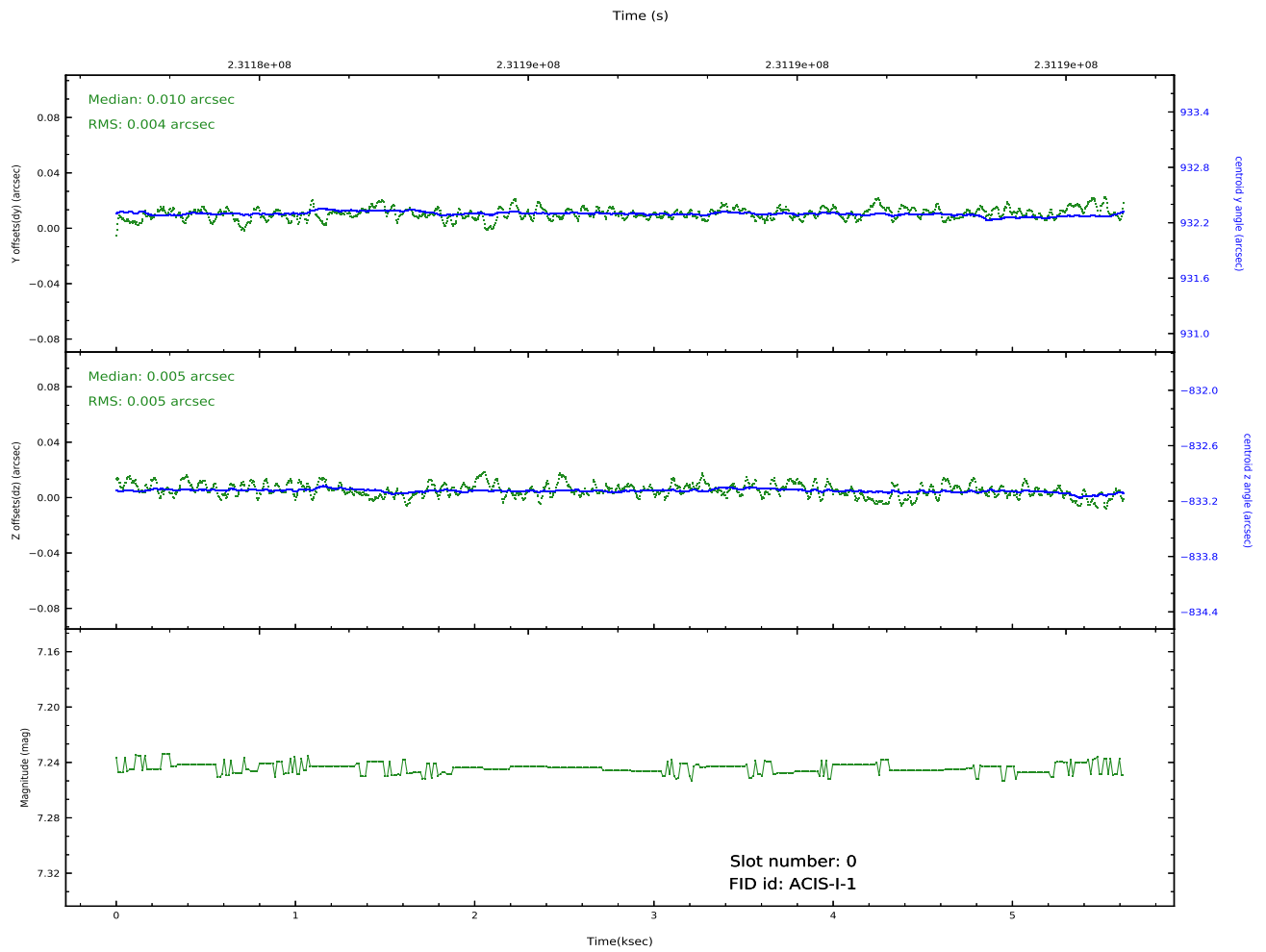
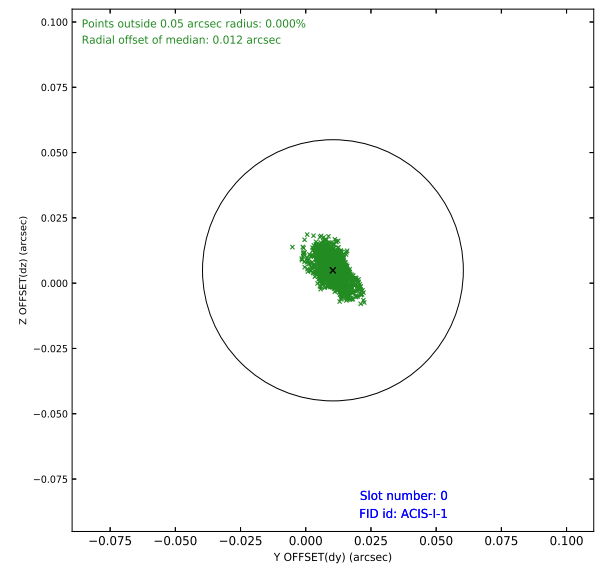
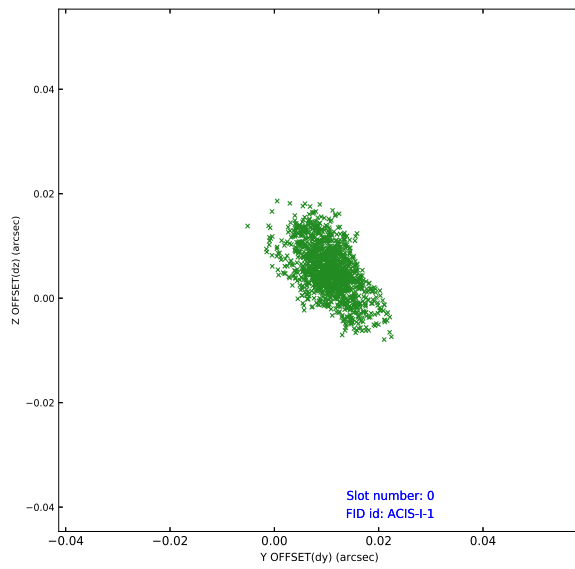


Time (s)

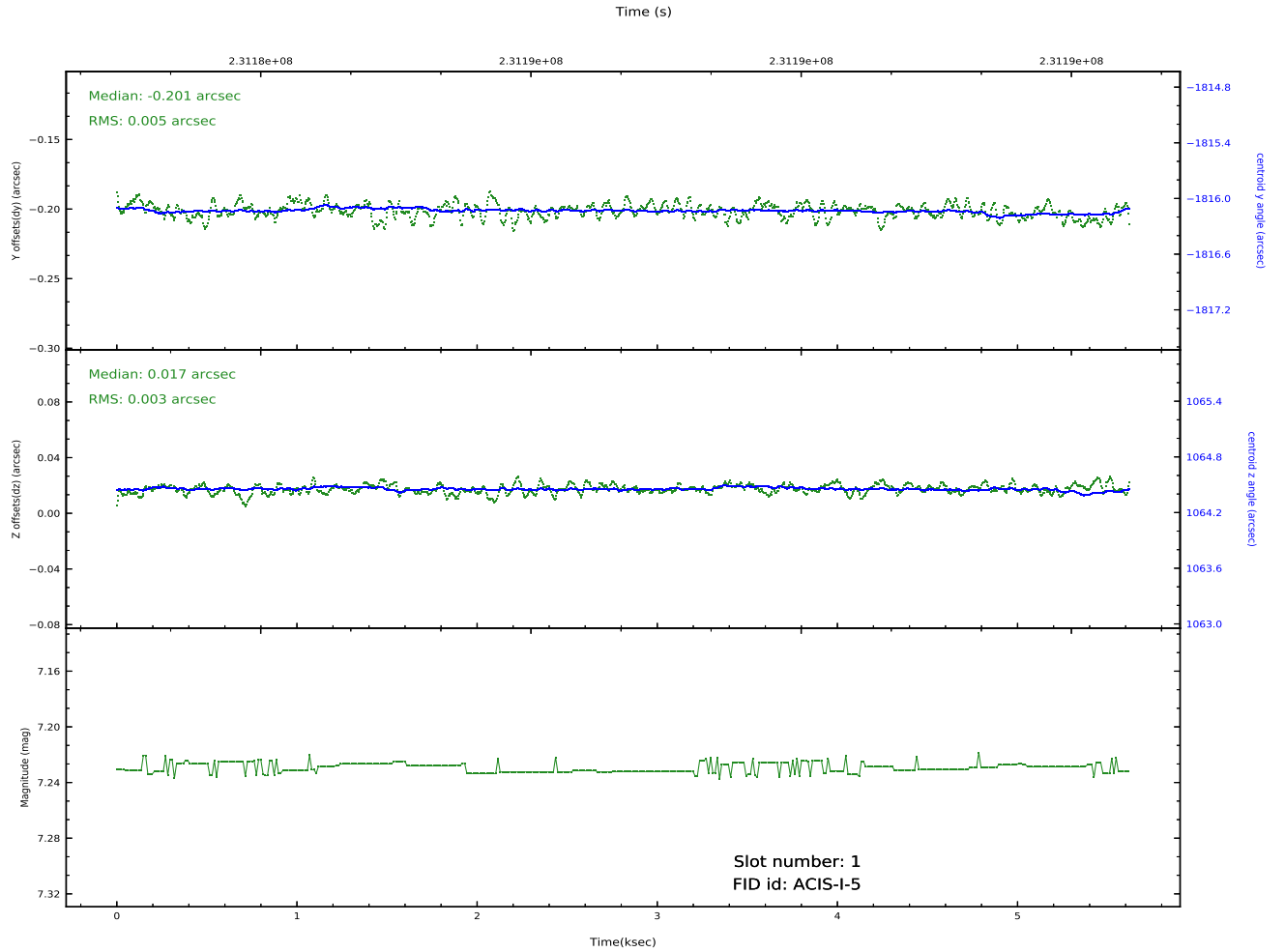
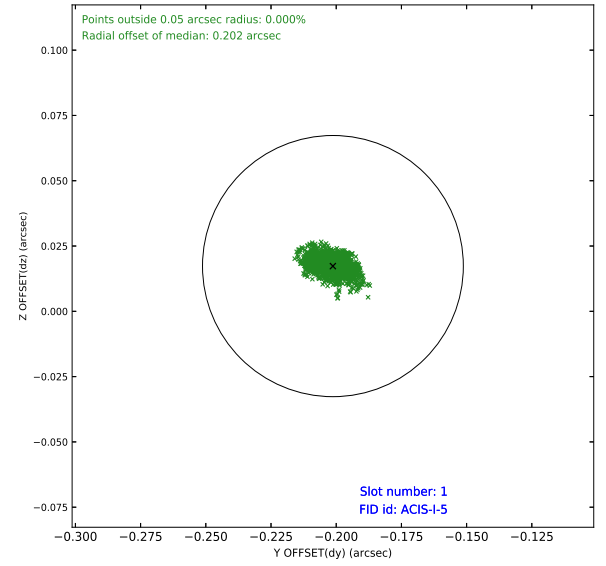
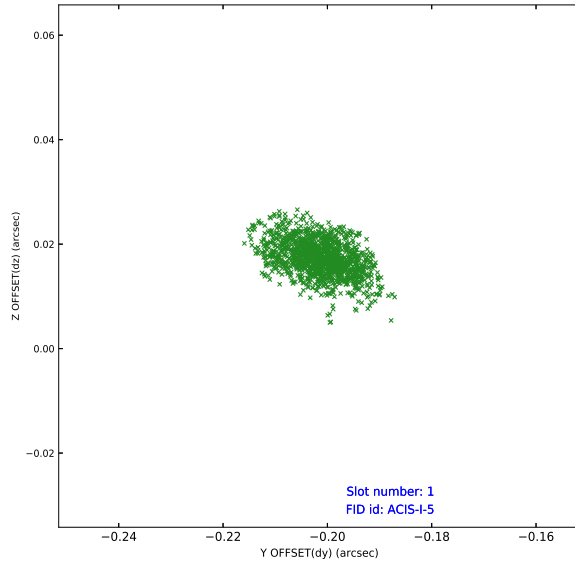


2.5 FID Slots

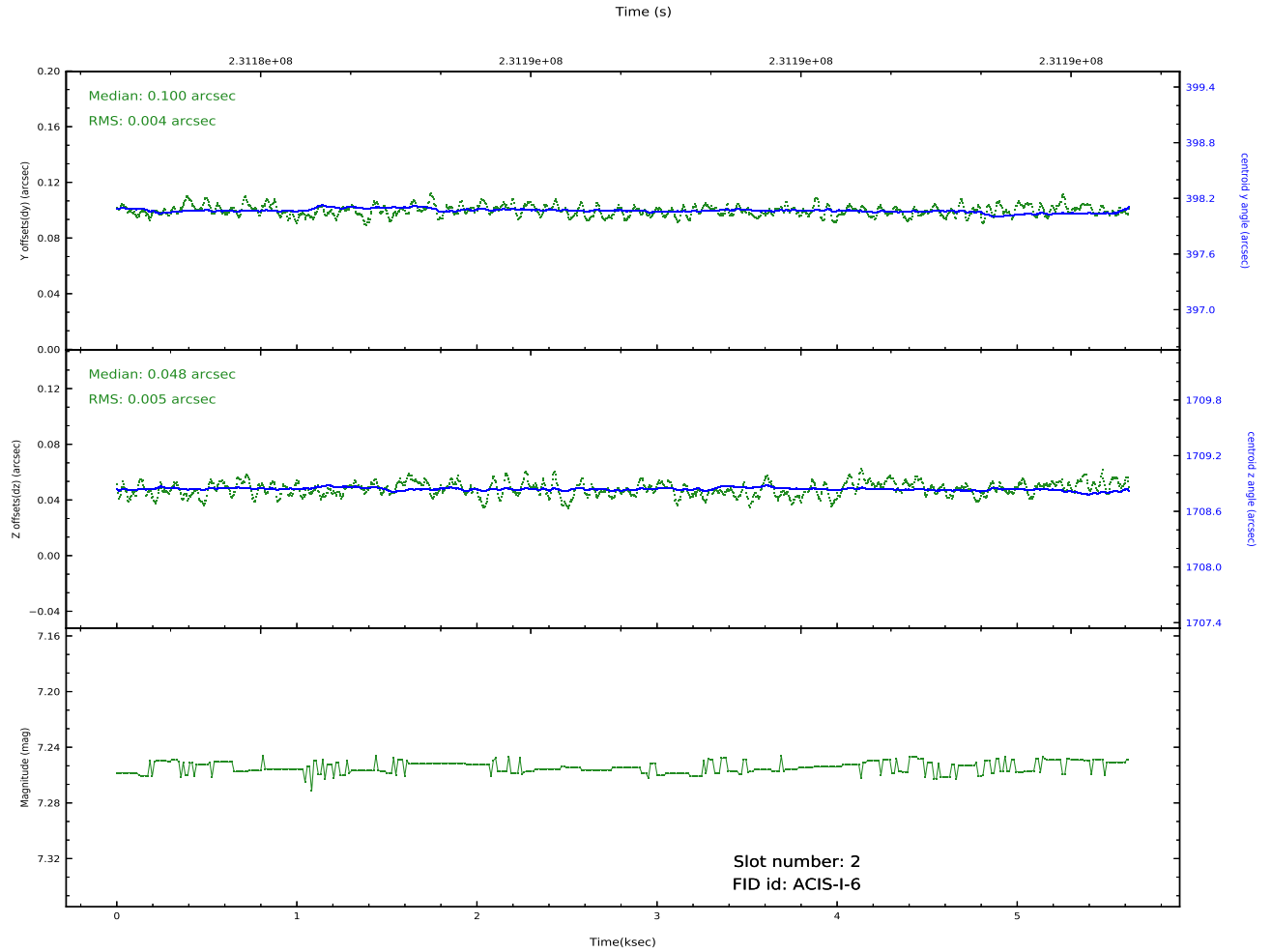
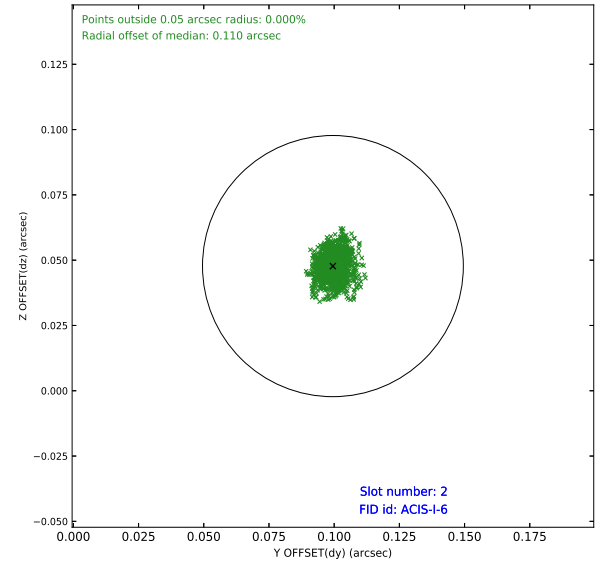
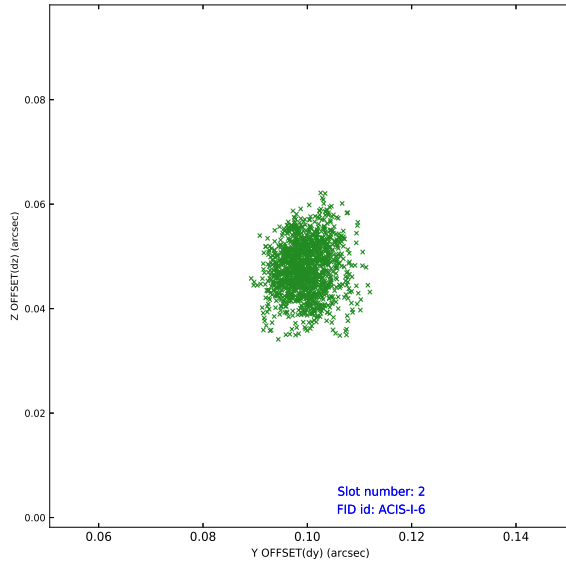
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.812799

A.2 Comments