

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5472 - L2 Version 4
Chandra X-Ray Center

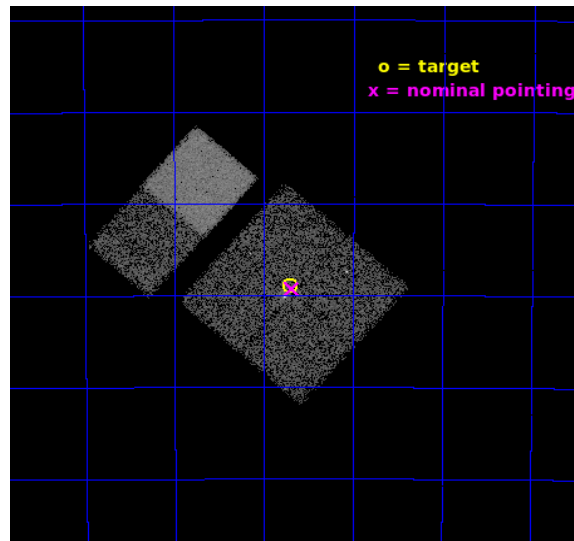
L2 Processing Date : Oct 8 2020

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1 Front

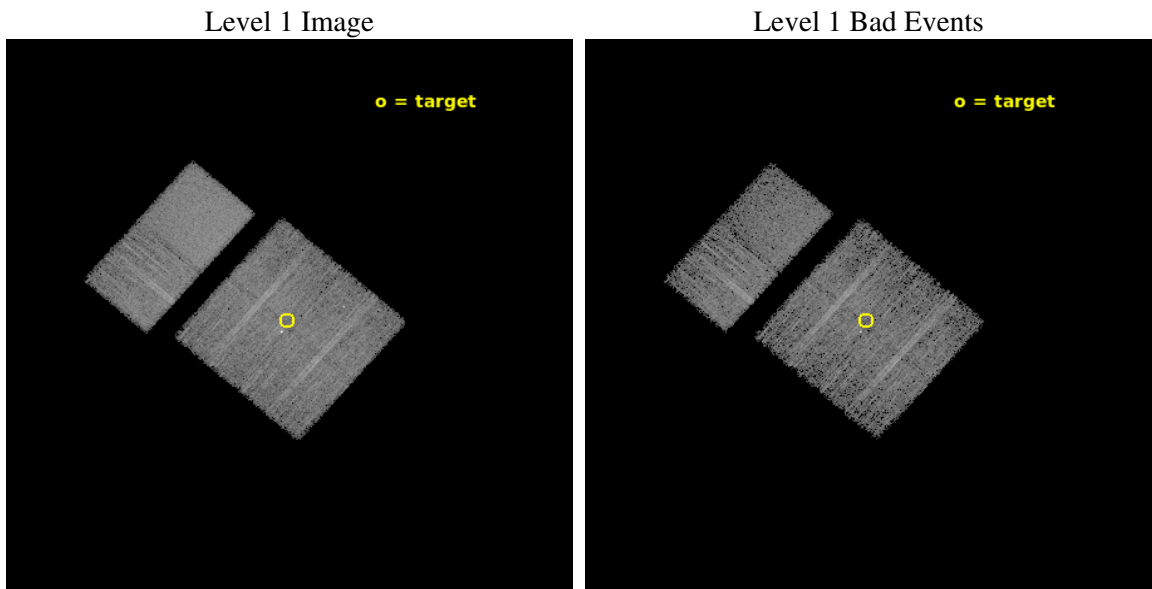
seq_num	400402	Sequence number
obs_id	5472	Observation id
title	Localization of INTEGRAL-Selected Sources in the Norma Region	Prop
observer	John Tomsick	Principal investigator
object	IGR J16207-5129	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.175	Observer's specified target RA [deg]
dec_targ	-51.483333	Observer's specified target Dec [deg]
ra_nom	245.17150268861	Nominal RA [deg]
dec_nom	-51.488100894136	Nominal Dec [deg]
roll_nom	311.11955414937	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5174.3999807239	Sum of GTIs [s]
livetime	5108.8786125183	Livetime [s]
ontime0	5174.3999807239	Sum of GTIs [s]
ontime1	5174.3999807239	Sum of GTIs [s]
ontime2	5174.3999807239	Sum of GTIs [s]
ontime3	5174.3999807239	Sum of GTIs [s]
ontime6	5174.3999807239	Sum of GTIs [s]
ontime7	5174.3999807239	Sum of GTIs [s]
l2events	47209	Number of level 2 events



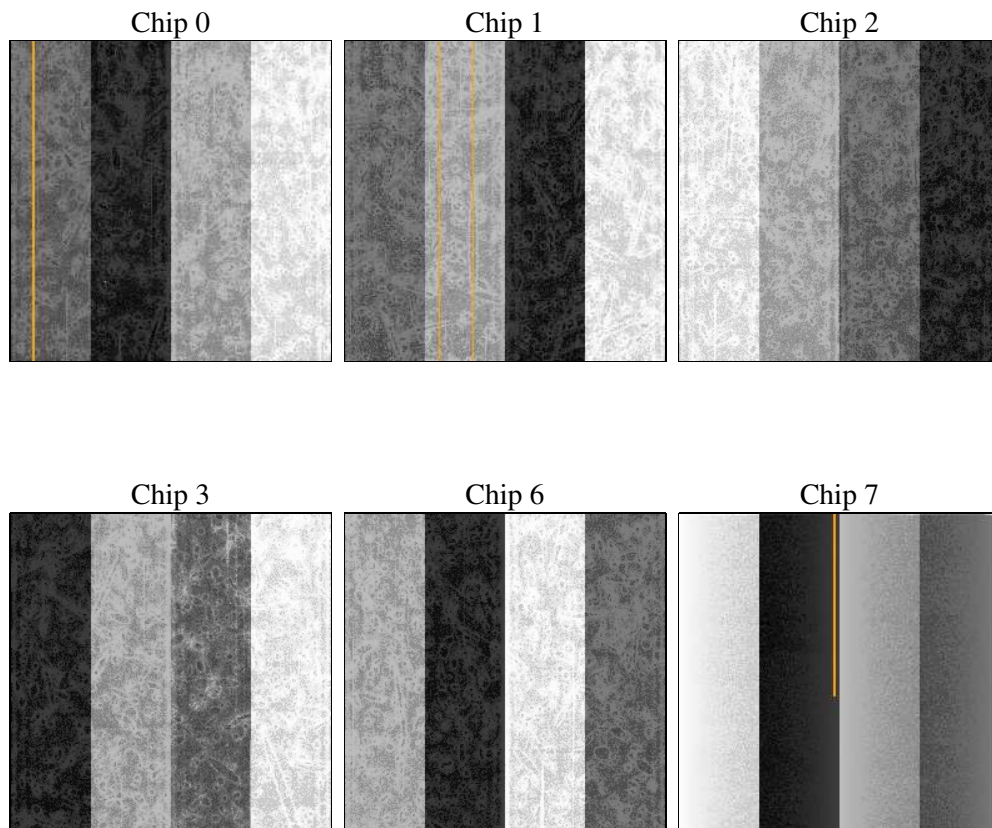
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5174.3999807239	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	5174.3999807239	Sum of GTIs [s]
date	2020-10-09T00:38:50	Date and time of file creation	ontime1	5174.3999807239	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	5174.3999807239	Sum of GTIs [s]
			ontime3	5174.3999807239	Sum of GTIs [s]
			ontime6	5174.3999807239	Sum of GTIs [s]
			ontime7	5174.3999807239	Sum of GTIs [s]
			l1events	283608	Number of level 1 events

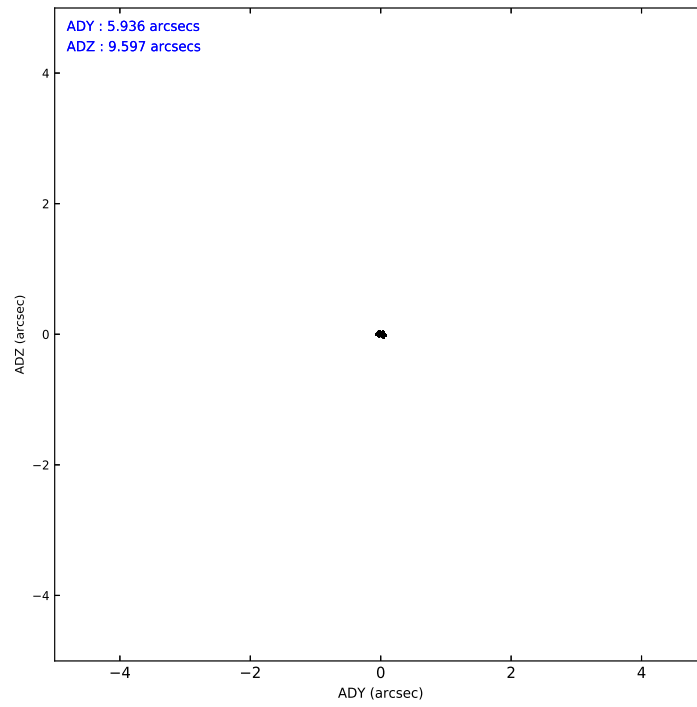
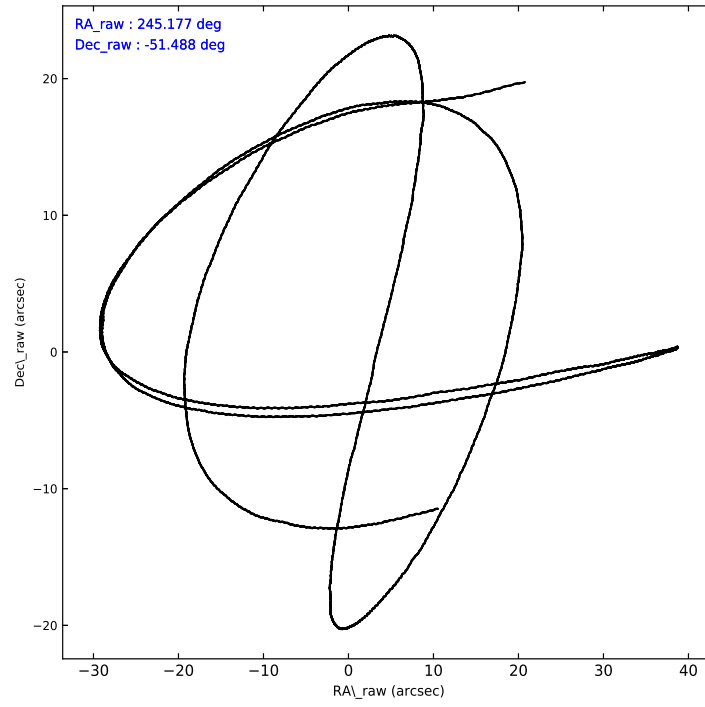
2.1.4 Events

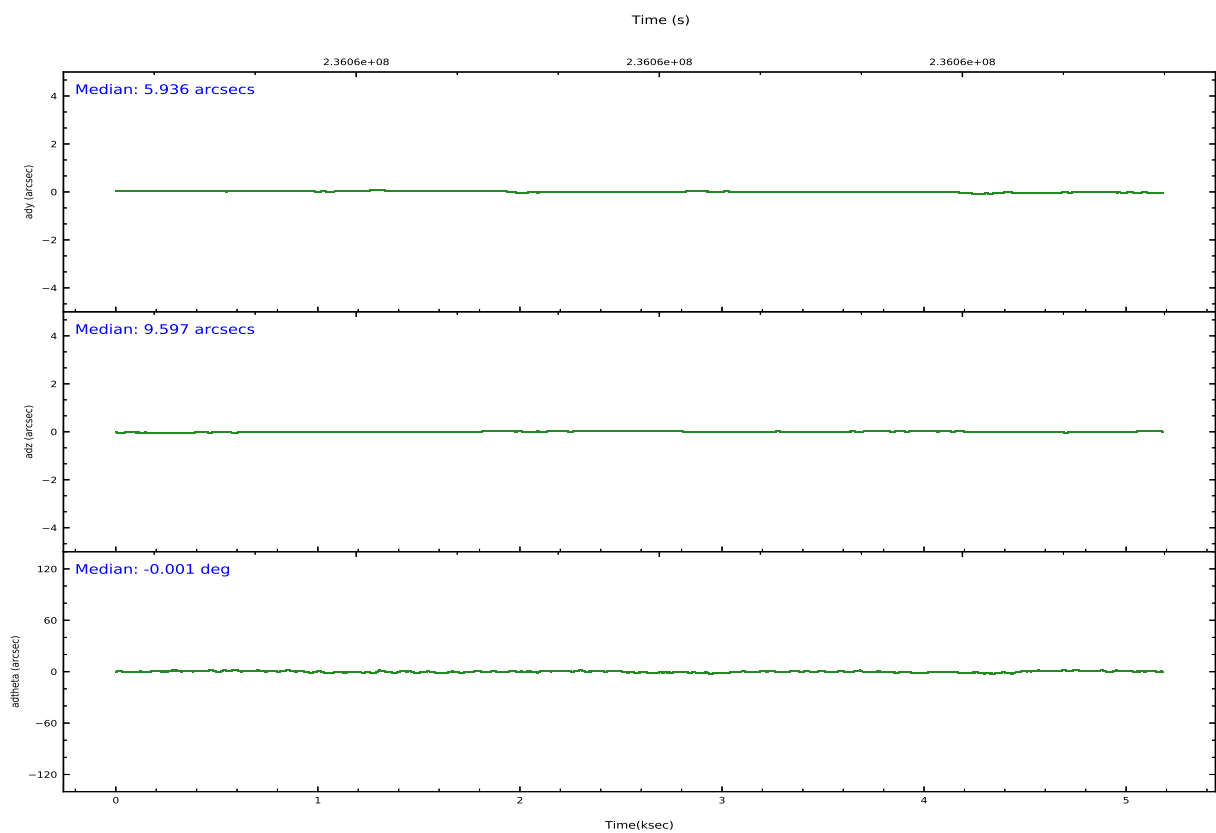
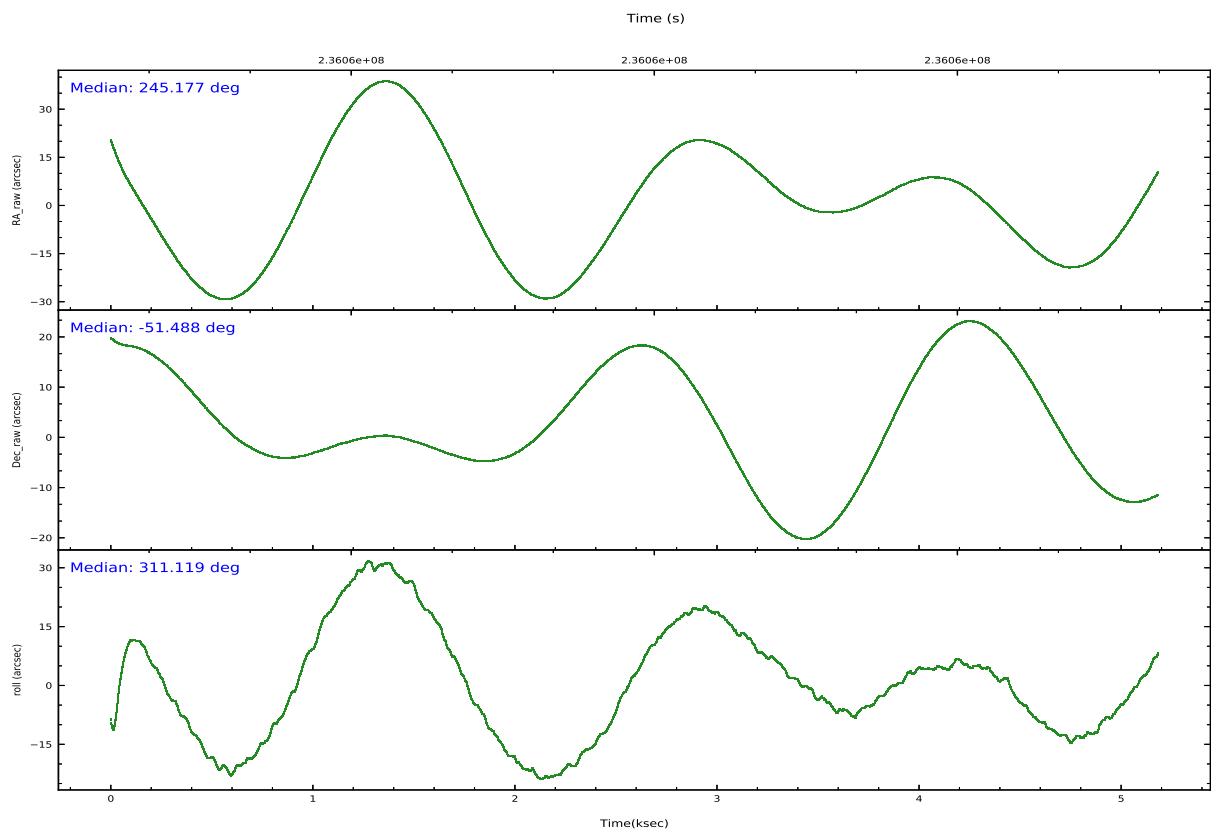
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	42870	44215	46264	42473	47641	60145	grade 0 events	3131	3089	3651	2684	2595	2309
rejected events	37259	38145	39497	37370	42261	37671		7%	6%	7%	6%	5%	3%
rejected %	86%	86%	85%	87%	88%	62%	grade 1 events	23	23	148	26	24	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1227	1441	1331	1026	1244	4964
								2%	3%	2%	2%	2%	8%
							grade 3 events	511	592	615	545	500	2191
								1%	1%	1%	1%	1%	3%
							grade 4 events	506	559	609	492	483	2098
								1%	1%	1%	1%	1%	3%
							grade 5 events	1780	1871	1846	2018	2049	5631
								4%	4%	3%	4%	4%	9%
							grade 6 events	939	1149	1106	863	1100	13286
								2%	2%	2%	2%	2%	22%
							grade 7 events	34753	35491	36958	34819	39646	29618
								81%	80%	79%	81%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	245.135655	245.17150268861	Subarray requested	NONE	NONE
[deg] Pointing Dec	-51.478971	-51.488100894136	Alternating exposures requested	N	N
[deg] Pointing Roll	310.881866	311.11955414937	[s] Primary exposure time	0.000000	3.2
[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)	236057993.184000	236056654.38631			
Observation start date	2005-06-25T03:38:49	2005-06-25T03:17:34			
[s] Observation end time (MET)	236062993.184000	236064059.49915			
Observation end date	2005-06-25T05:02:09	2005-06-25T05:20:59			
Read mode	TIMED	TIMED			

2.3 Aspect



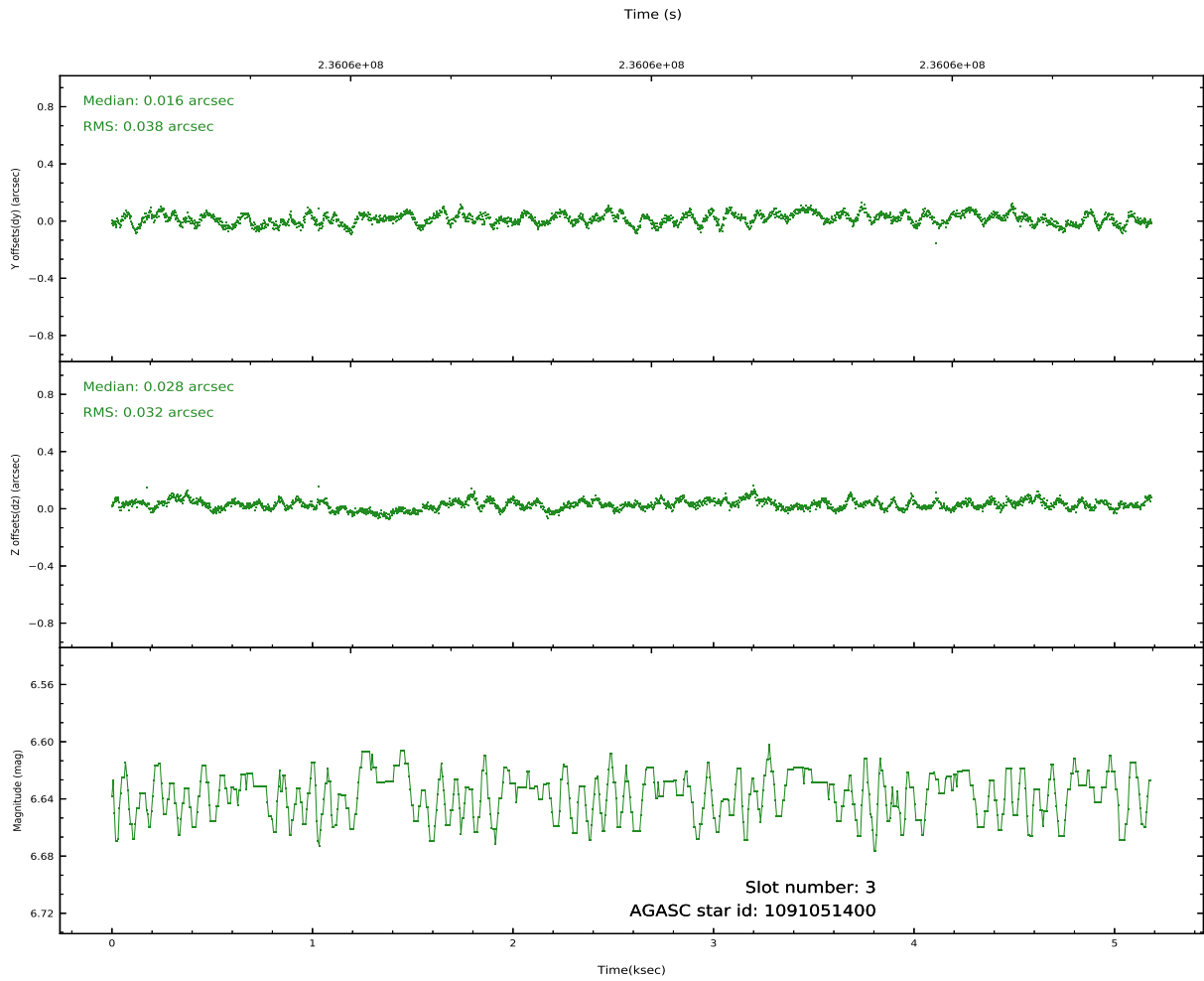
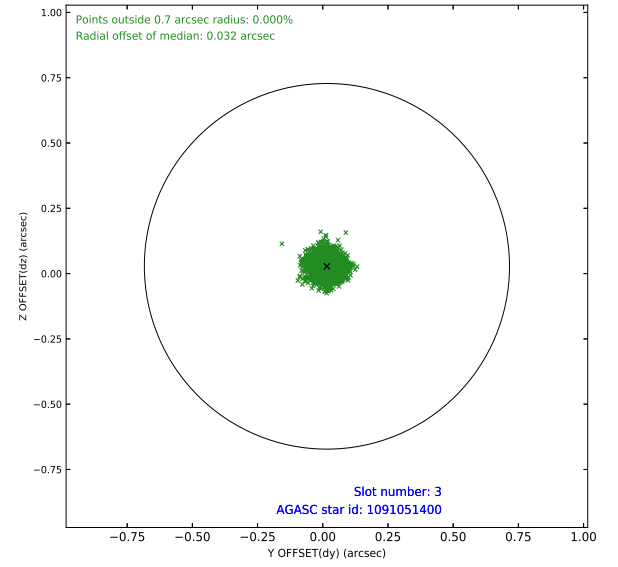
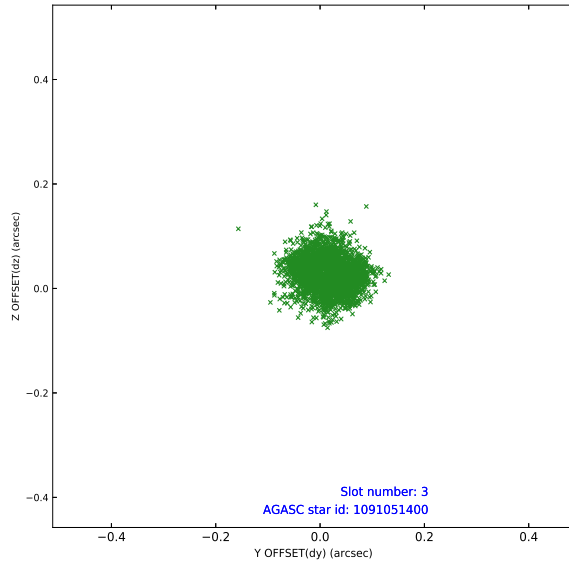


Slot Statistics

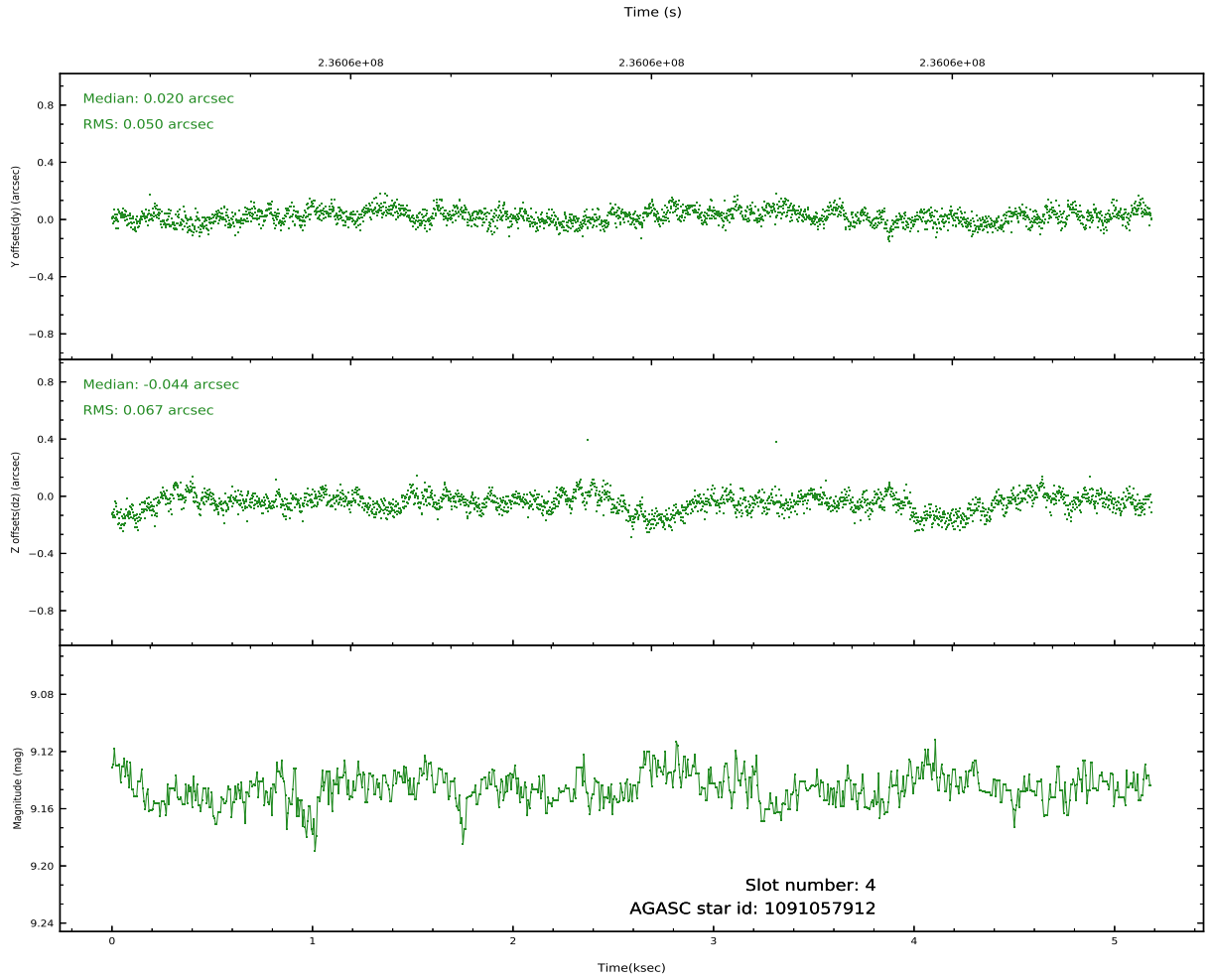
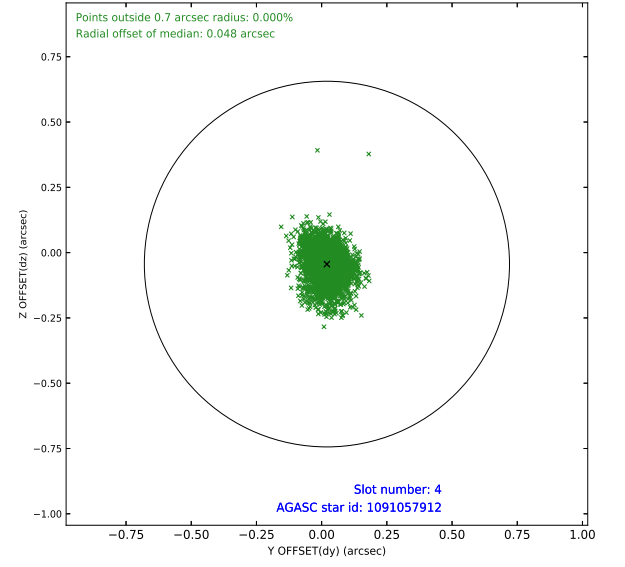
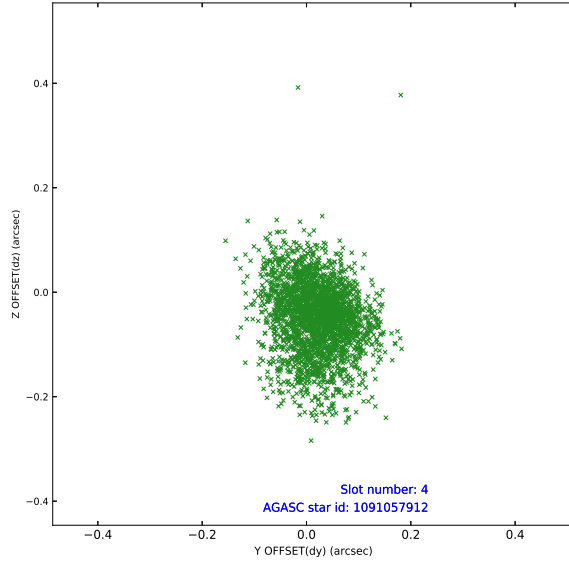
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.25	1265	1.000	-0.064	-0.012	0.008	0.015	0.000000	0.000000	933.69	-833
1	FID		ACIS-I-4	7.19	1265	1.000	0.032	0.057	0.010	0.016	0.000000	0.000000	2154.52	1066
2	FID		ACIS-I-6	7.25	1265	1.000	-0.065	0.020	0.011	0.019	0.000000	0.000000	401.16	1709
3	GUIDE	used	1091051400	6.63	2530	1.000	0.016	0.028	0.054	0.082	245.403808	-51.751071	1134.36	-189
4	GUIDE	used	1091057912	9.15	2528	1.000	0.020	-0.044	0.086	0.148	245.642757	-51.112070	-243.63	1728
5	GUIDE	used	1091059112	9.07	2524	1.000	-0.004	0.073	0.079	0.129	245.180420	-50.736664	-1952.39	1827
6	GUIDE	used	1091061088	9.36	2530	1.000	0.015	-0.051	0.109	0.174	244.721043	-51.407800	-800.29	-536
7	GUIDE	used	1091077632	8.24	2529	1.000	-0.044	-0.003	0.066	0.114	246.332364	-51.536413	1927.84	1877

2.4 Star Slots

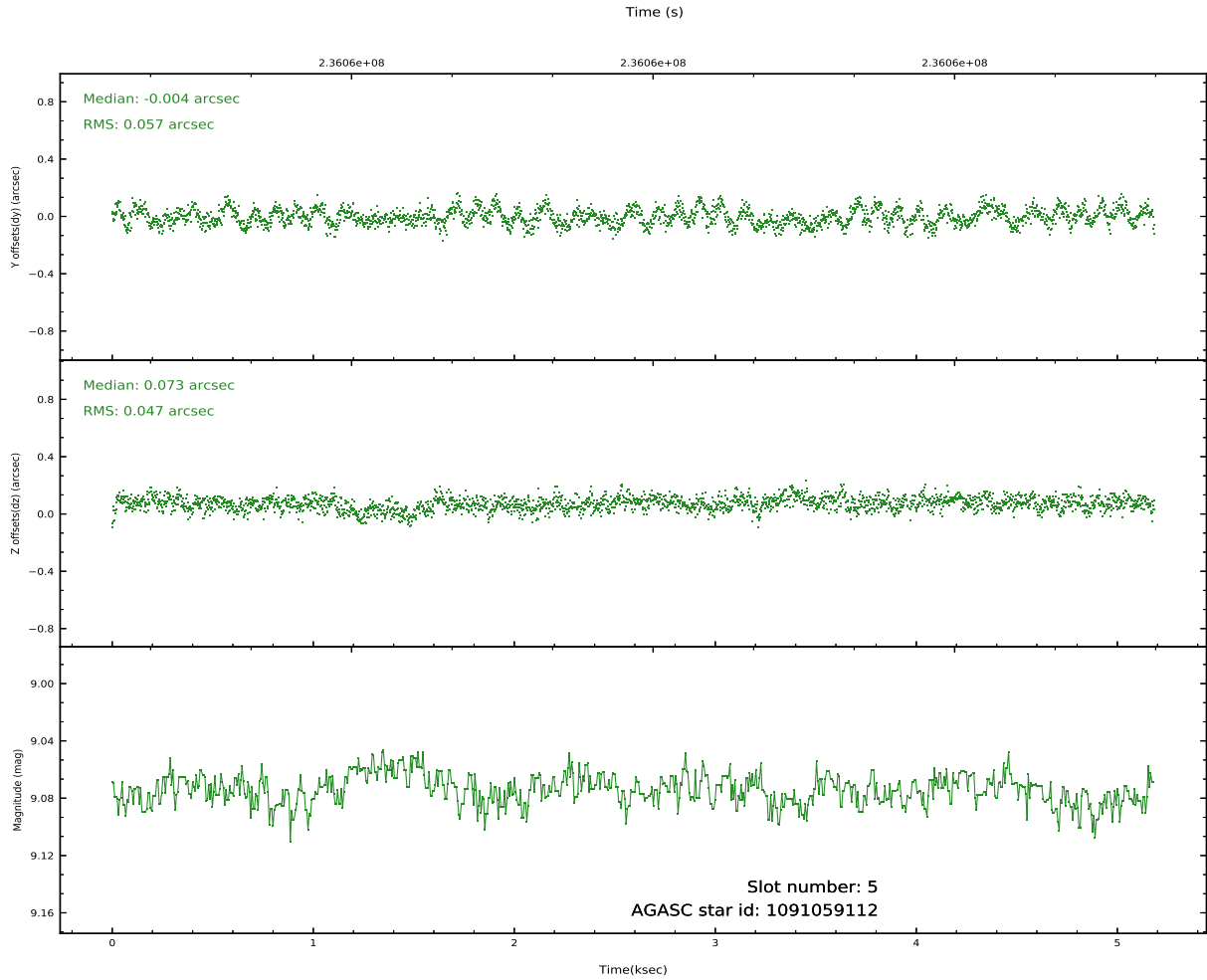
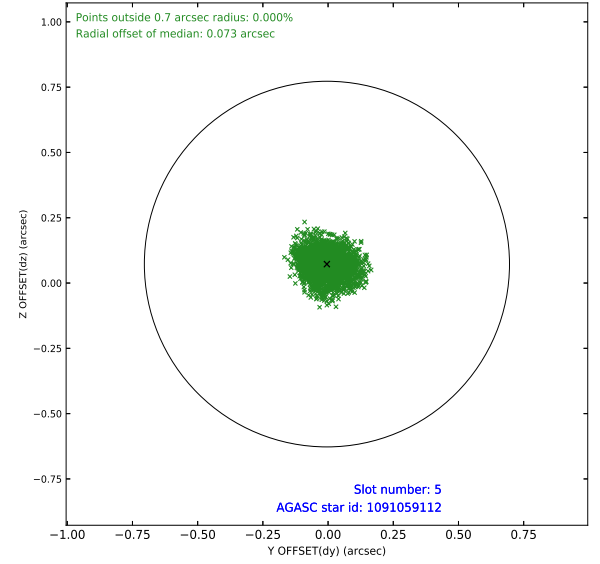
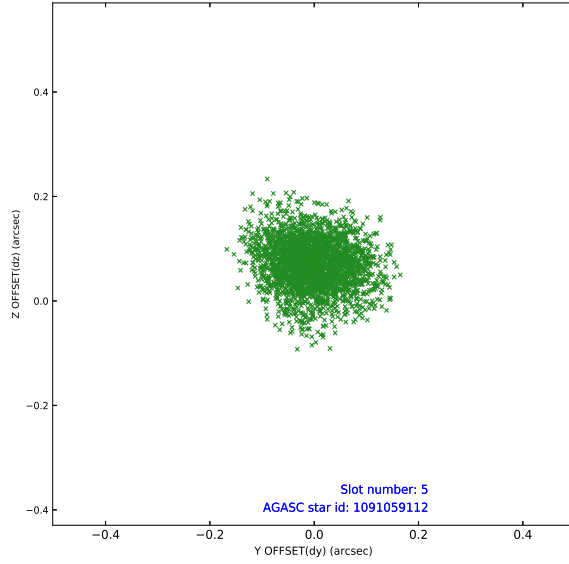
2.4.1 Slot 3



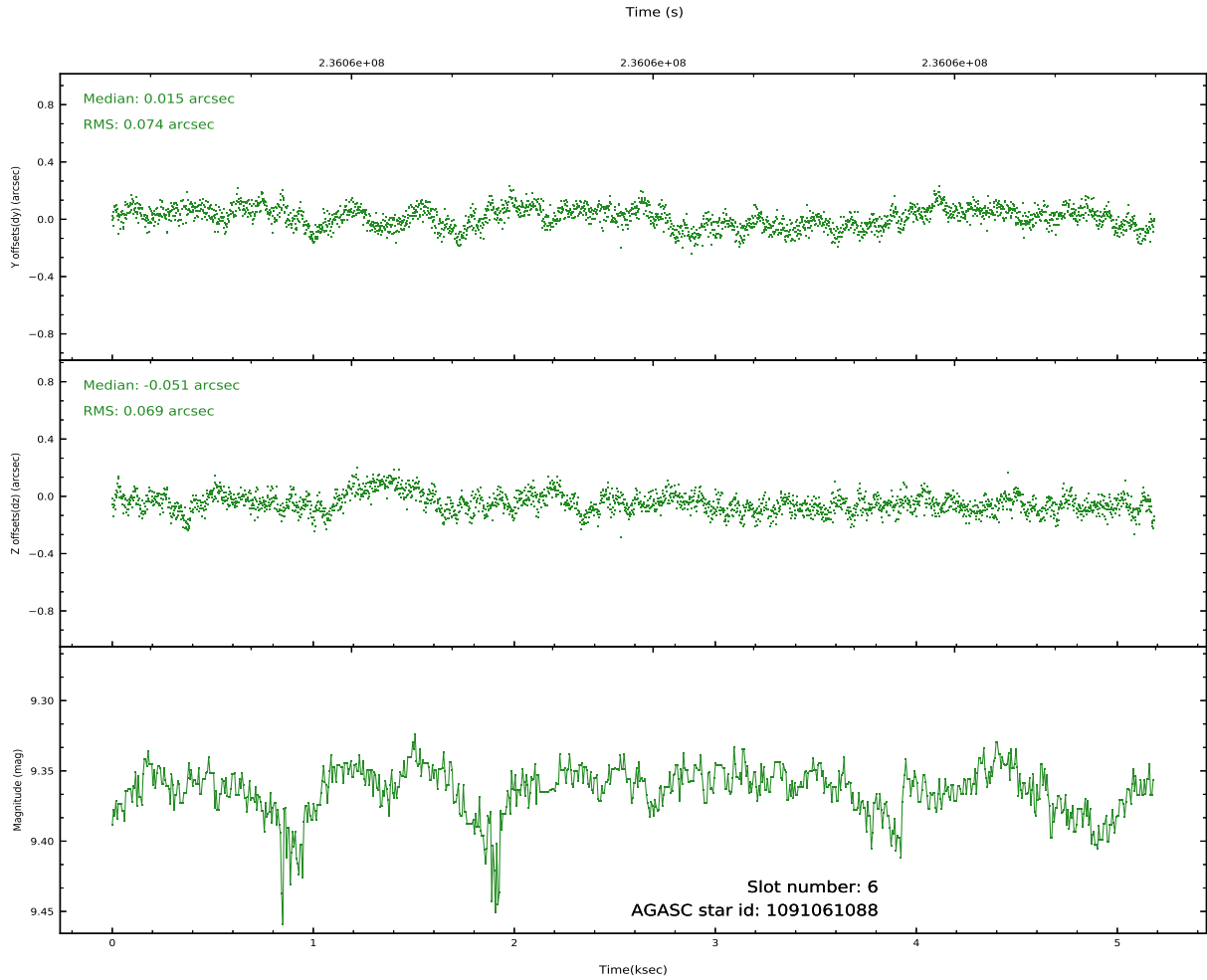
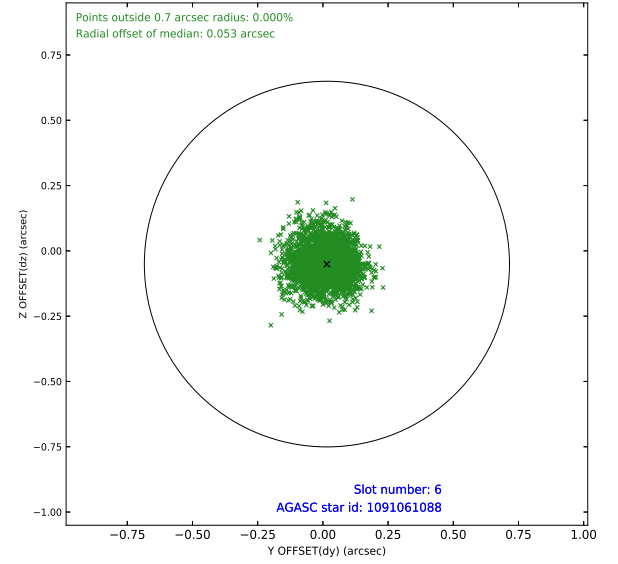
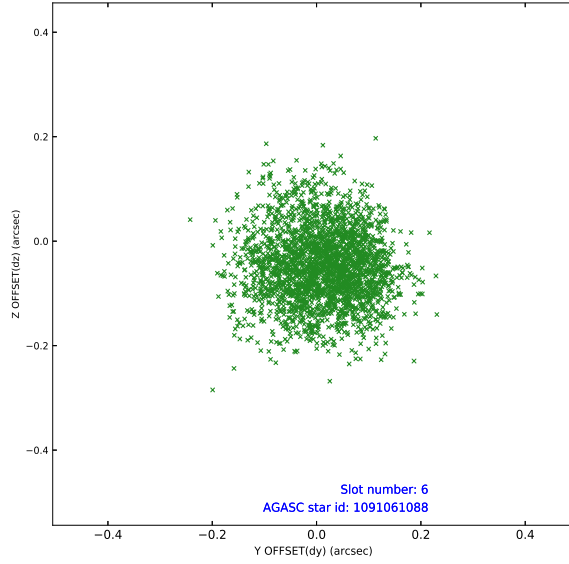
2.4.2 Slot 4



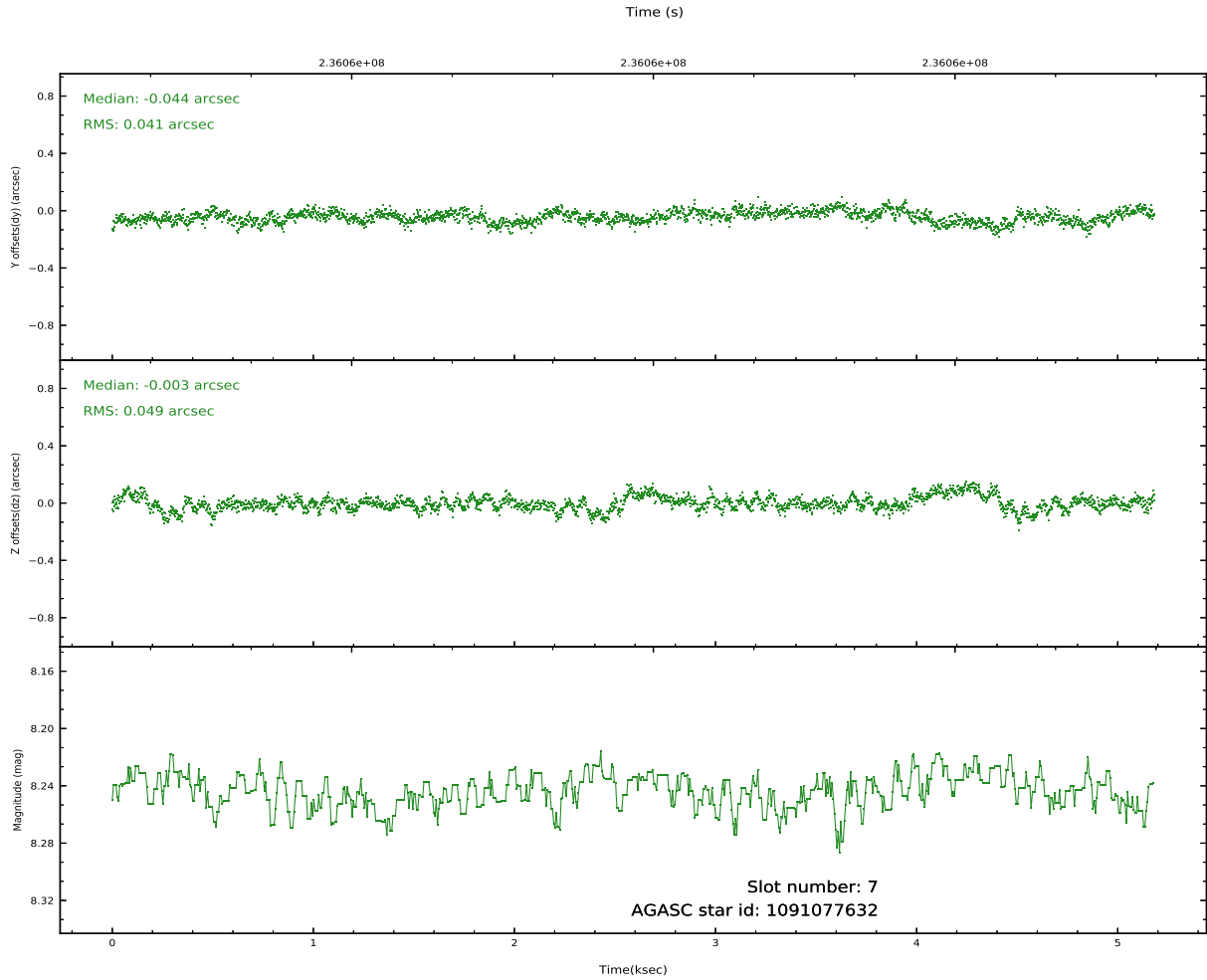
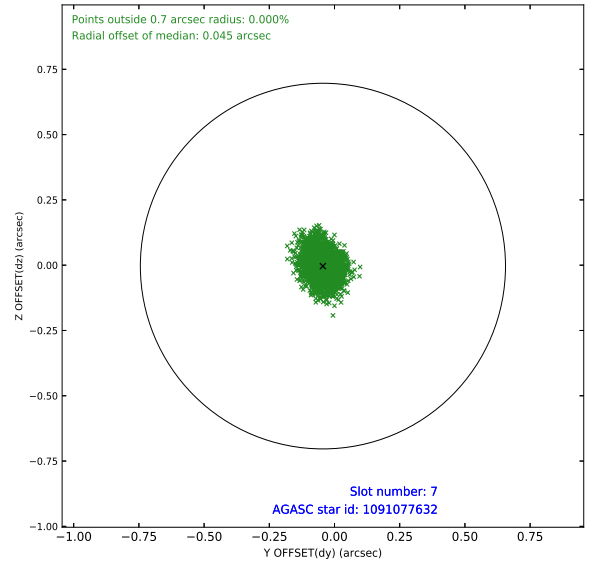
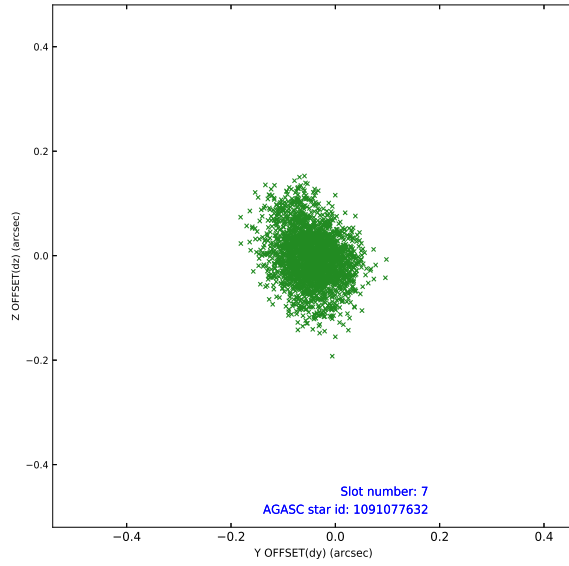
2.4.3 Slot 5



2.4.4 Slot 6

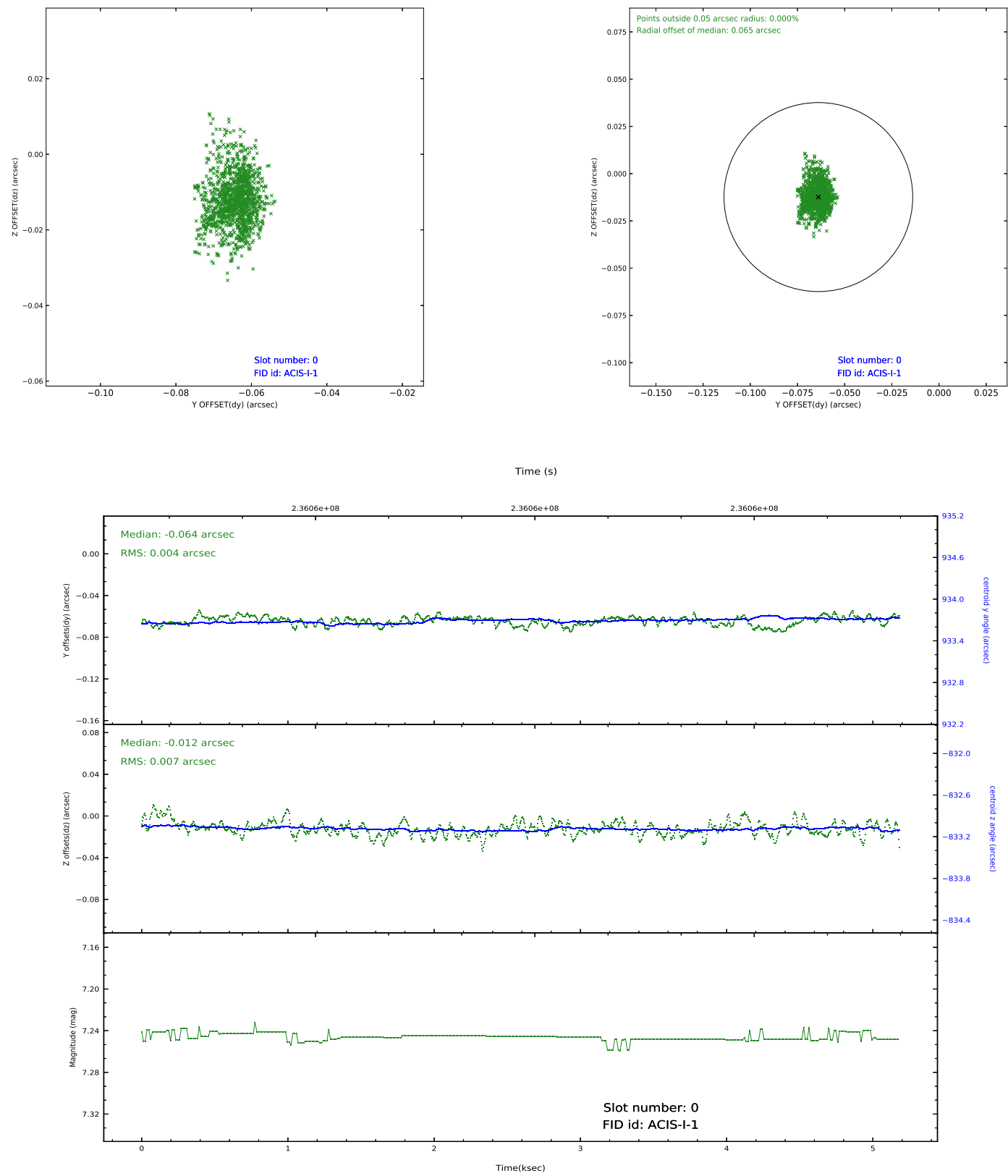


2.4.5 Slot 7

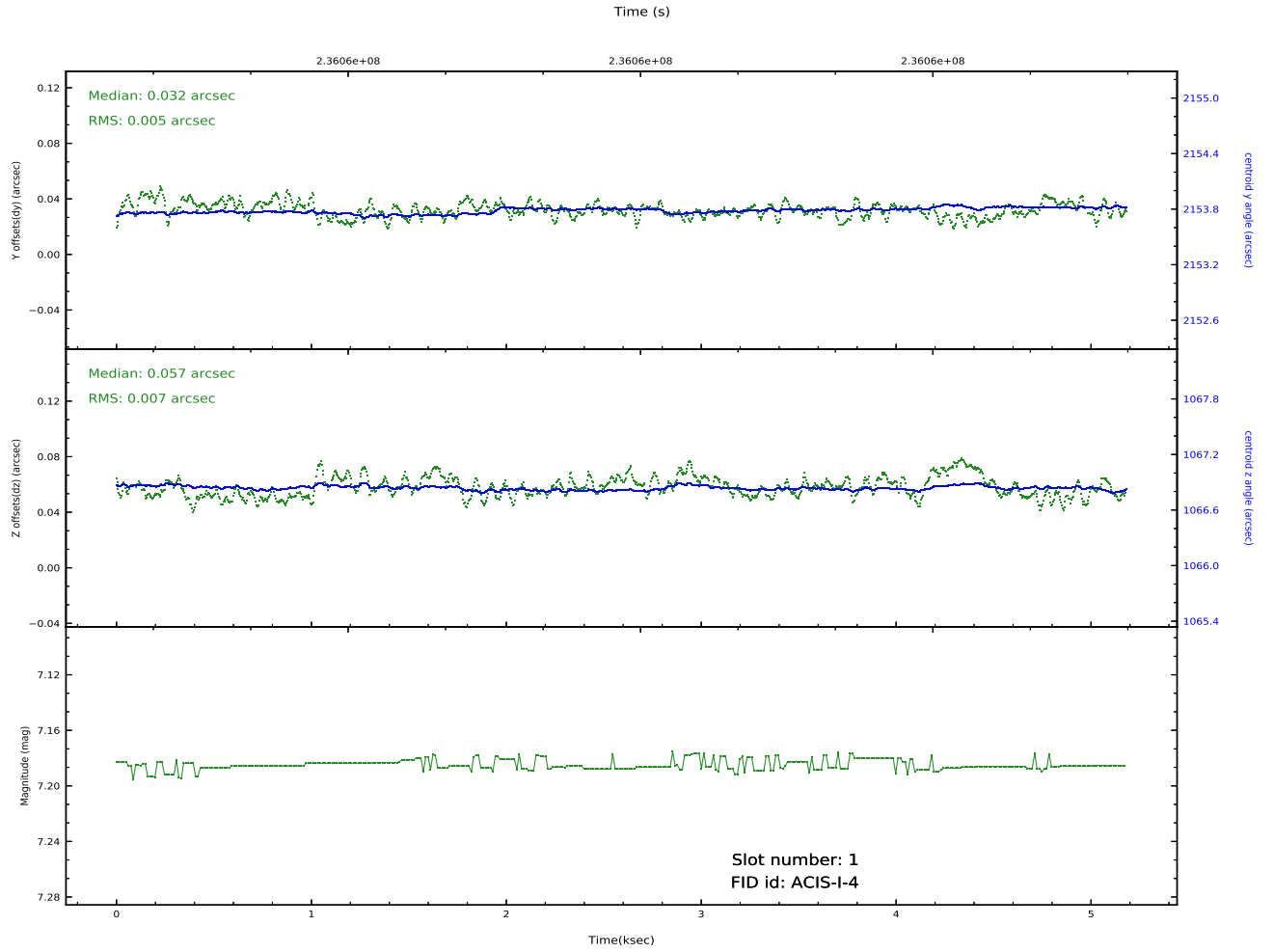
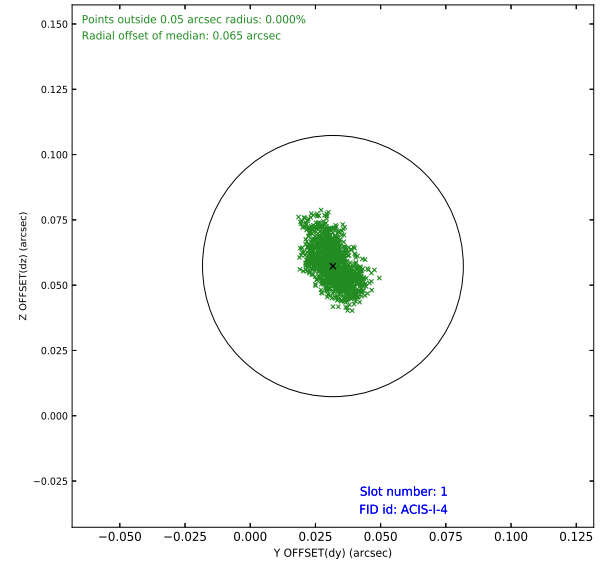
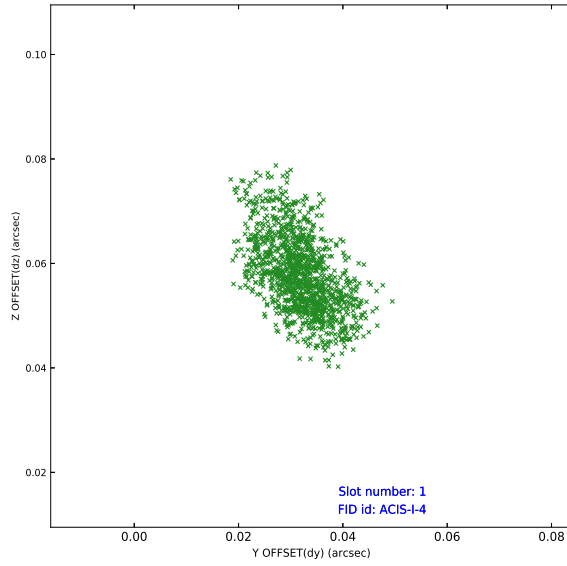


2.5 FID Slots

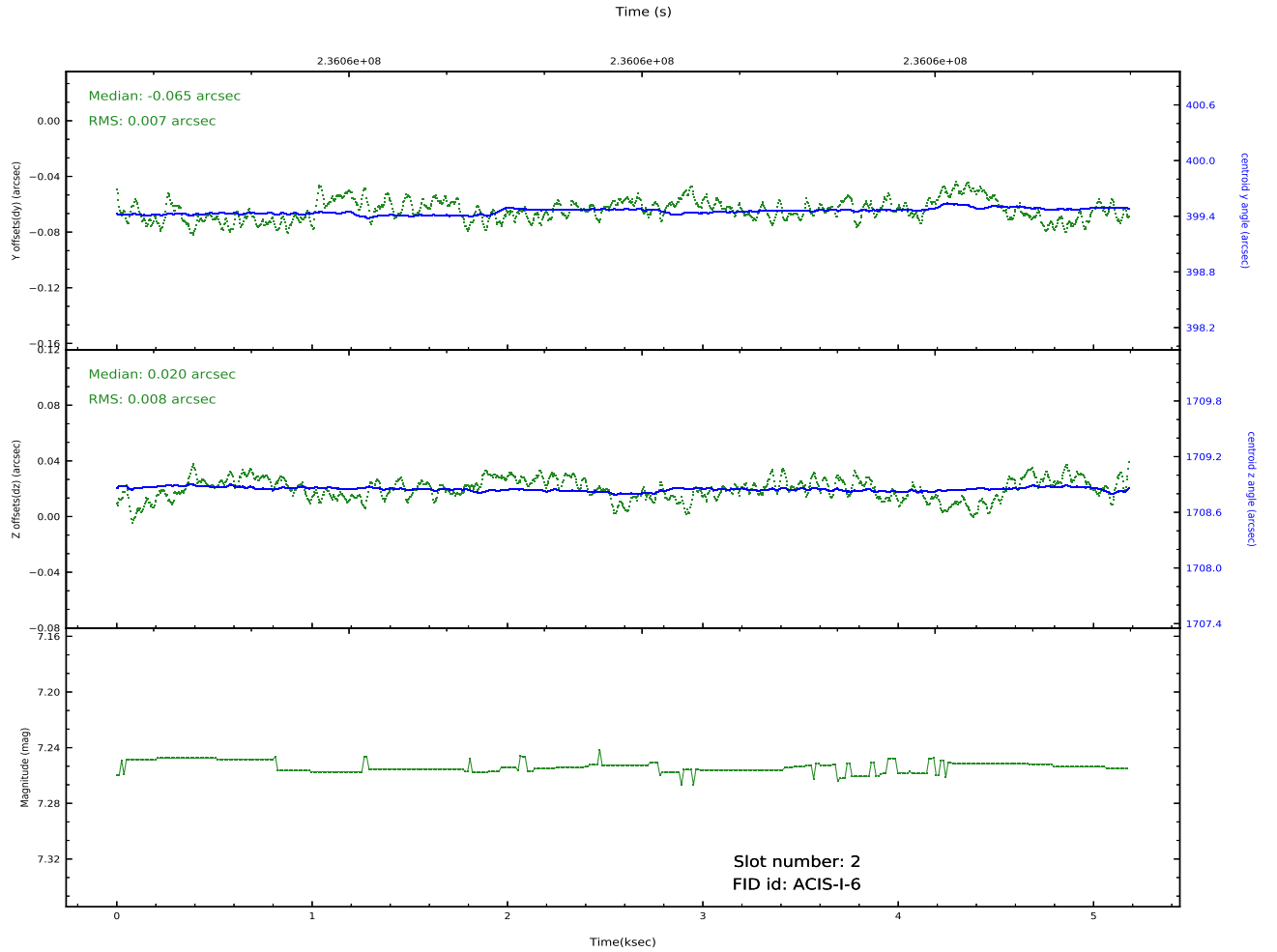
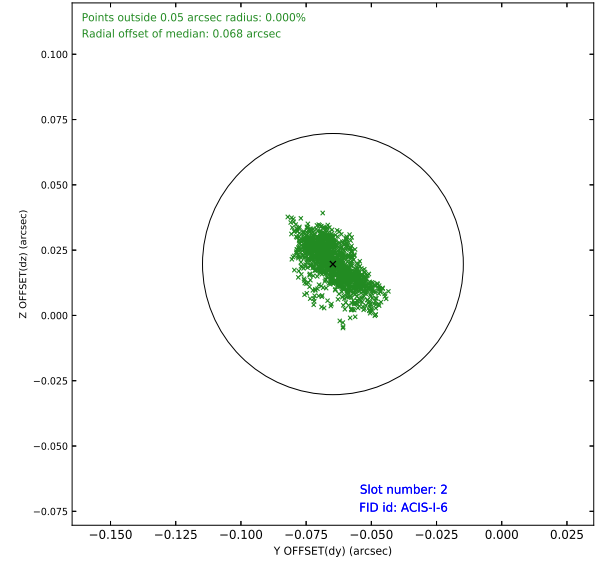
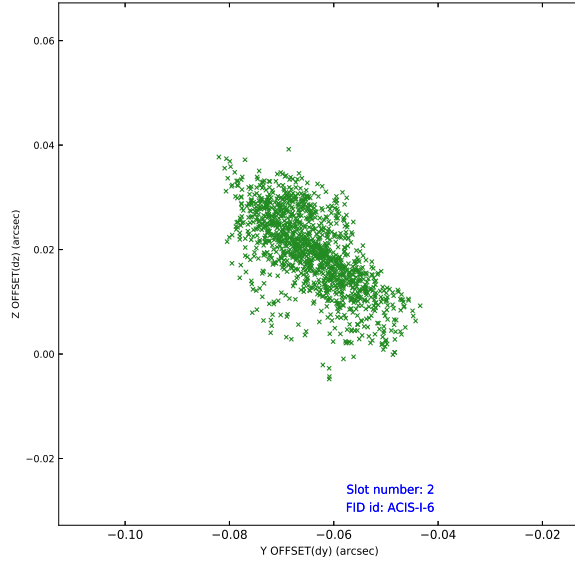
2.5.1 Slot 0



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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.174399

A.2 Comments