

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5914 - L2 Version 4
Chandra X-Ray Center

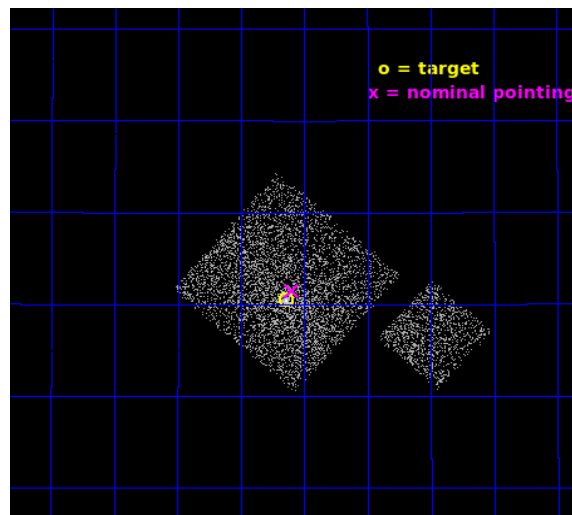
L2 Processing Date : Oct 6 2020

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1 Front

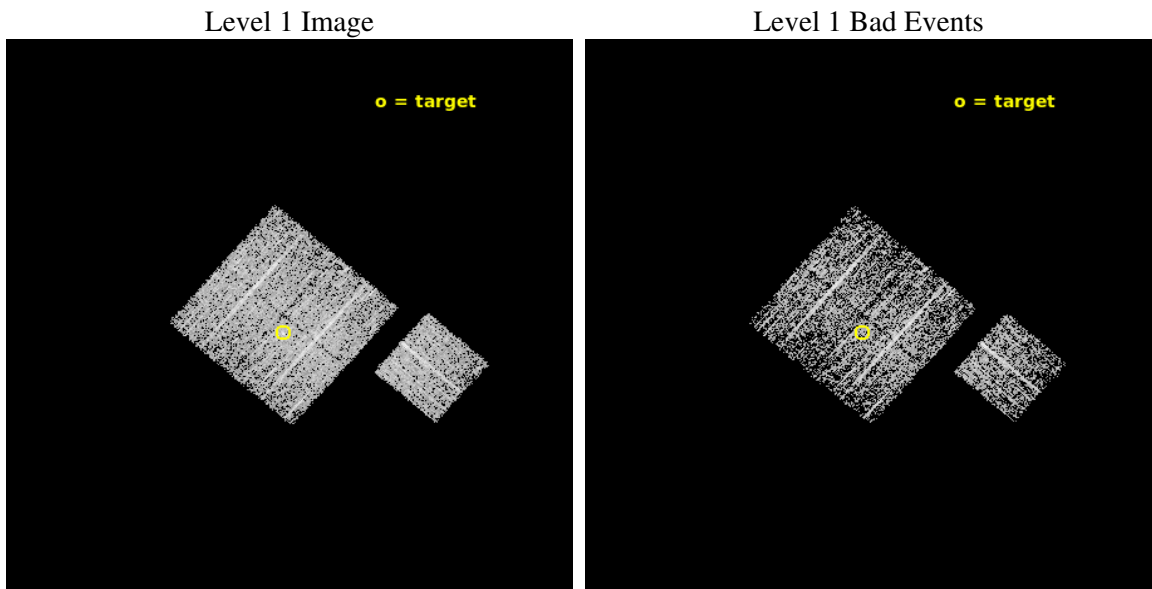
seq_num	600433	Sequence number
obs_id	5914	Observation id
title	A Chandra Snapshot Survey of X-ray Bright Early-type Galaxies	Prop
observer	Dr. Stephen Murray	Principal investigator
object	NGC4104	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.66	Observer's specified target RA [deg]
dec_targ	28.174444	Observer's specified target Dec [deg]
ra_nom	181.64960351009	Nominal RA [deg]
dec_nom	28.191696437268	Nominal Dec [deg]
roll_nom	131.04177359773	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2179.2589955926	Sum of GTIs [s]
livetime	2150.785372468	Livetime [s]
ontime0	2182.399995774	Sum of GTIs [s]
ontime1	2182.399995774	Sum of GTIs [s]
ontime2	2179.2590155303	Sum of GTIs [s]
ontime3	2179.2589955926	Sum of GTIs [s]
ontime6	2182.399995774	Sum of GTIs [s]
l2events	6763	Number of level 2 events



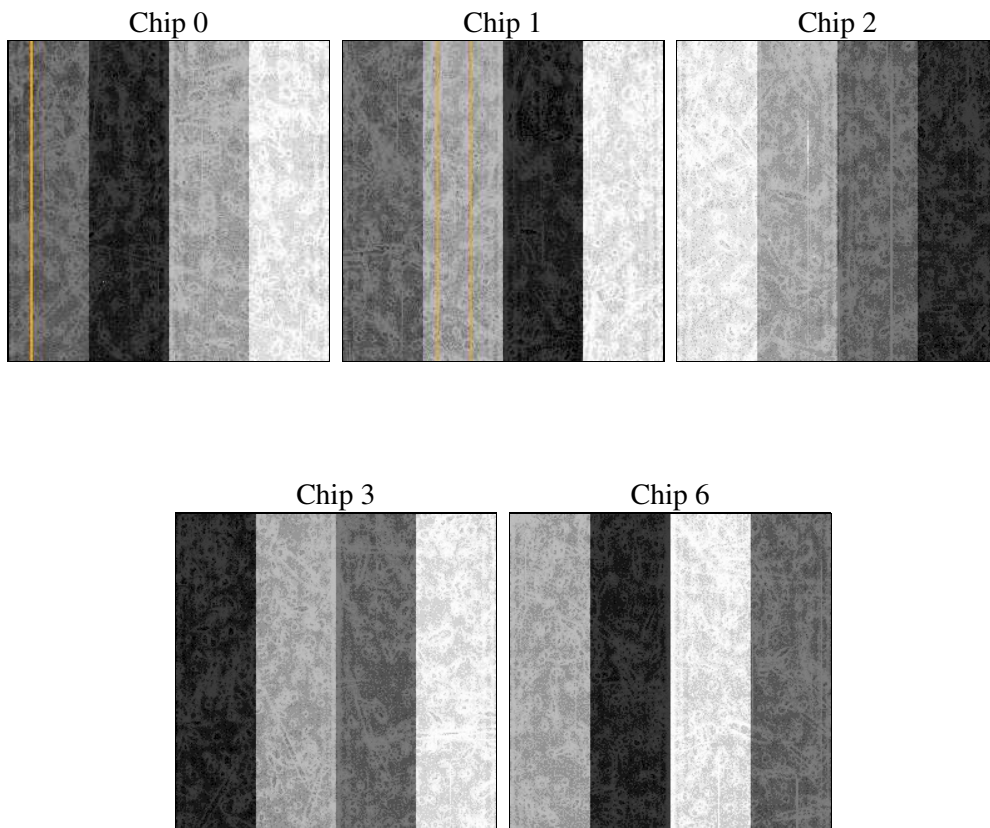
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2179.2589955926	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	2182.399995774	Sum of GTIs [s]
date	2020-10-06T22:49:03	Date and time of file creation	ontime1	2182.399995774	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2179.2590155303	Sum of GTIs [s]
			ontime3	2179.2589955926	Sum of GTIs [s]
			ontime6	2182.399995774	Sum of GTIs [s]
			l1events	67727	Number of level 1 events

2.1.4 Events

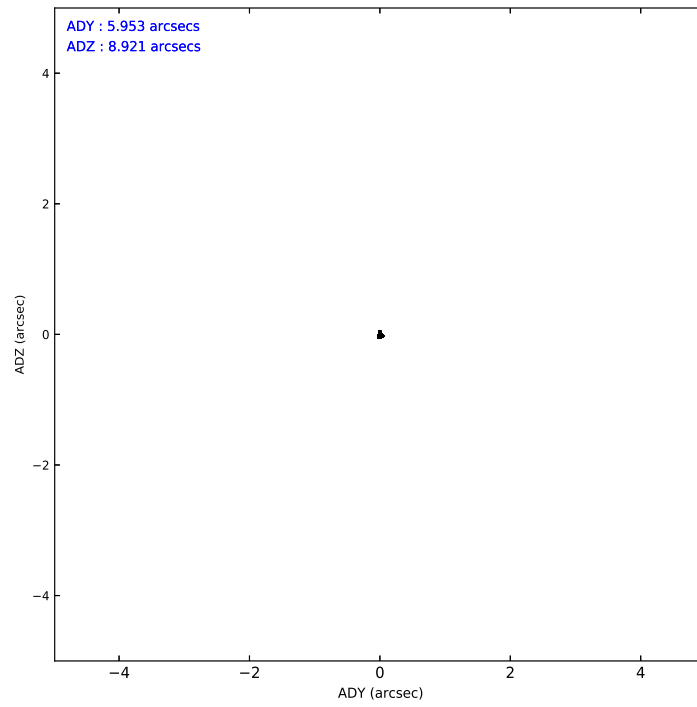
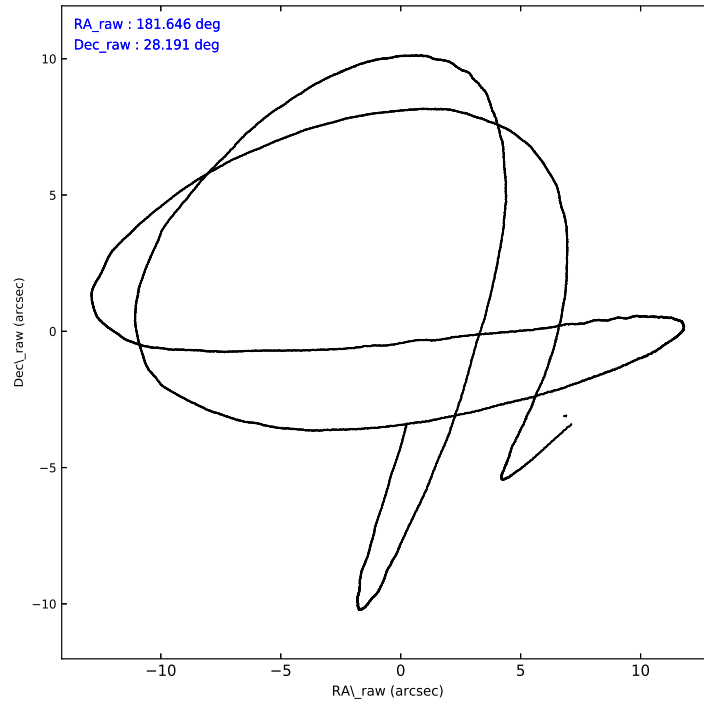
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	13064	12684	14298	13923	13758
rejected events	11599	10948	12840	12026	12343
rejected %	88%	86%	89%	86%	89%

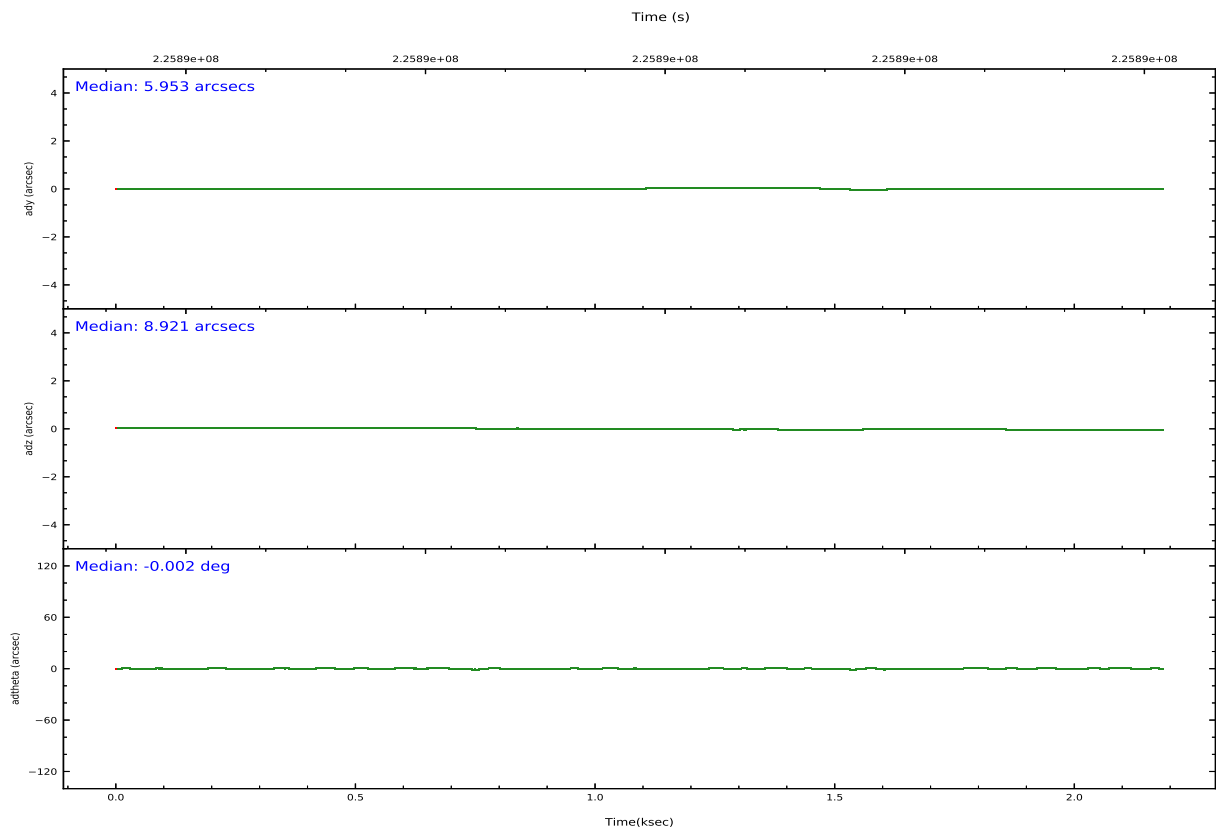
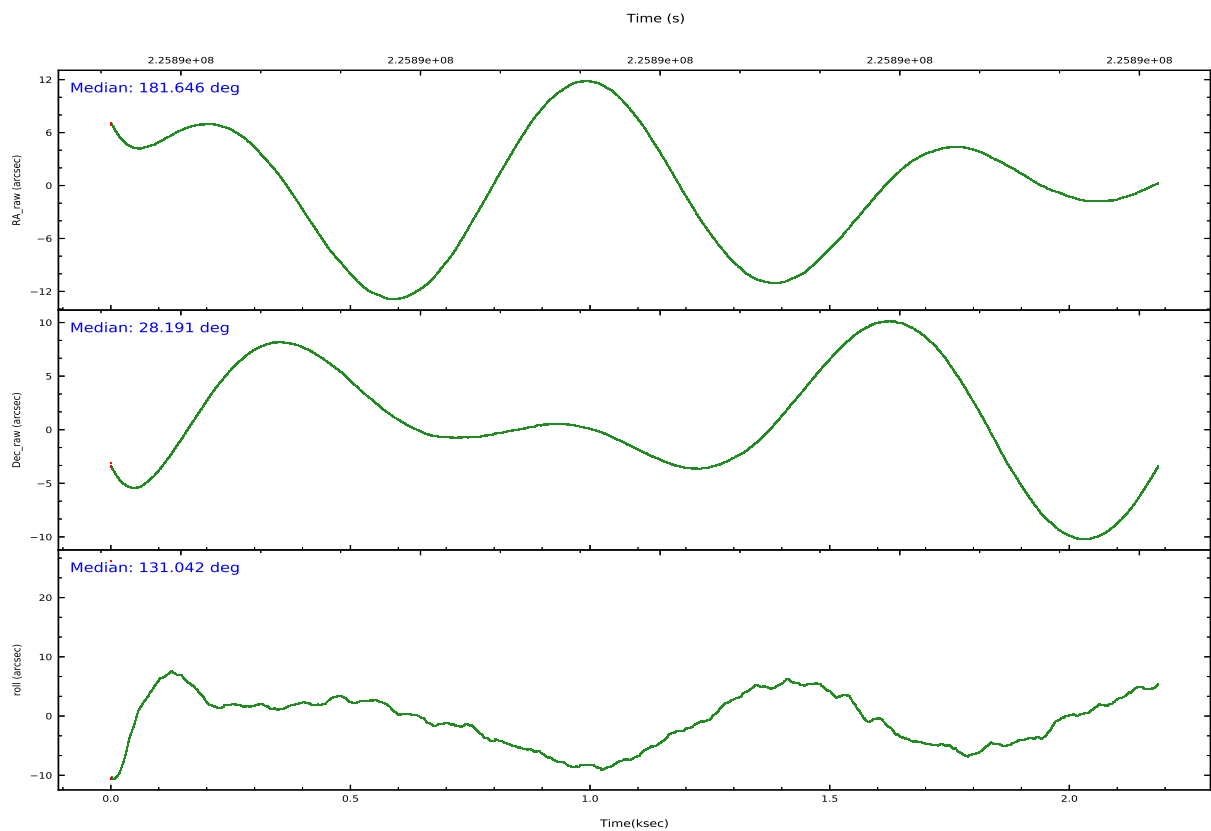
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	595	739	565	1016	495
	4%	5%	3%	7%	3%
grade 1 events	7	9	8	19	5
	0%	0%	0%	0%	0%
grade 2 events	306	369	342	336	324
	2%	2%	2%	2%	2%
grade 3 events	167	177	146	173	168
	1%	1%	1%	1%	1%
grade 4 events	149	154	154	152	160
	1%	1%	1%	1%	1%
grade 5 events	514	533	483	568	526
	3%	4%	3%	4%	3%
grade 6 events	264	318	261	241	291
	2%	2%	1%	1%	2%
grade 7 events	11062	10385	12339	11418	11789
	84%	81%	86%	82%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	181.675428	181.64960351009	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.182664	28.191696437268	Alternating exposures requested	N	N
[deg] Pointing Roll	130.826019	131.04177359773	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-231.592463	-231.5960967419932			
[mm] SIM translation stage offset	-2	-1.996356260936523			
[s] Observation start time (MET)	225888039.184000	225887033.91118			
Observation start date	2005-02-27T10:39:35	2005-02-27T10:23:53			
[s] Observation end time (MET)	225890039.184000	225890369.26134			
Observation end date	2005-02-27T11:12:55	2005-02-27T11:19:29			
Read mode	TIMED	TIMED			

2.3 Aspect



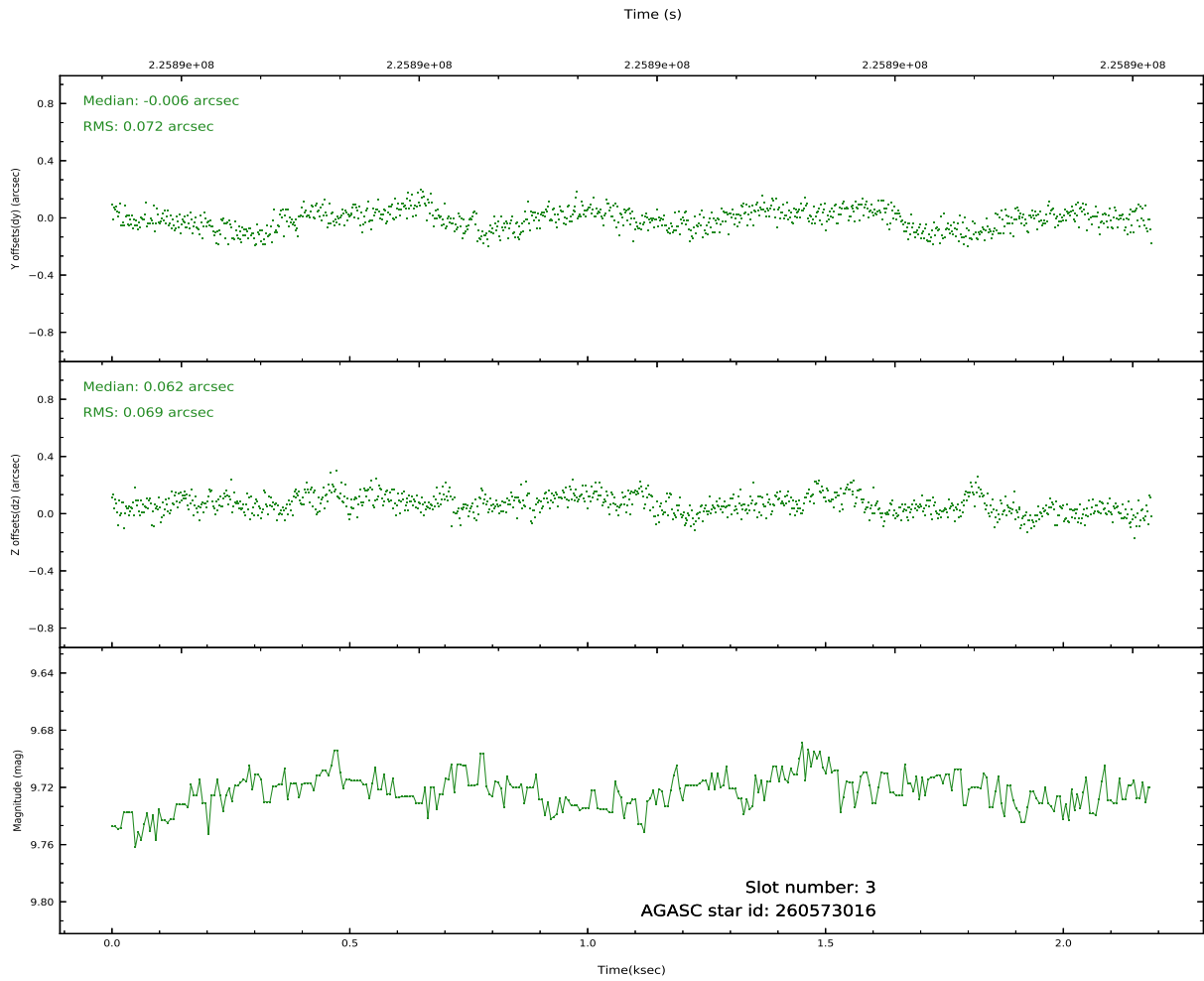
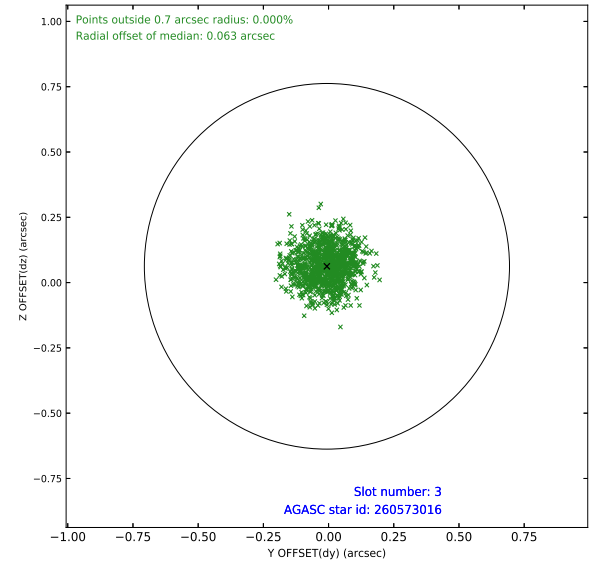
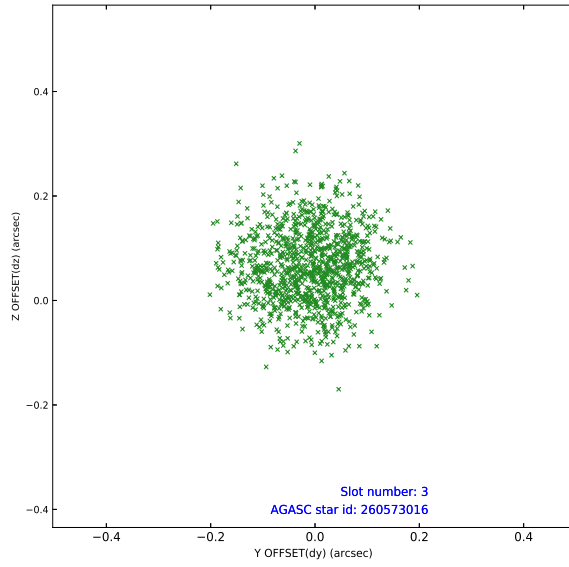


Slot Statistics

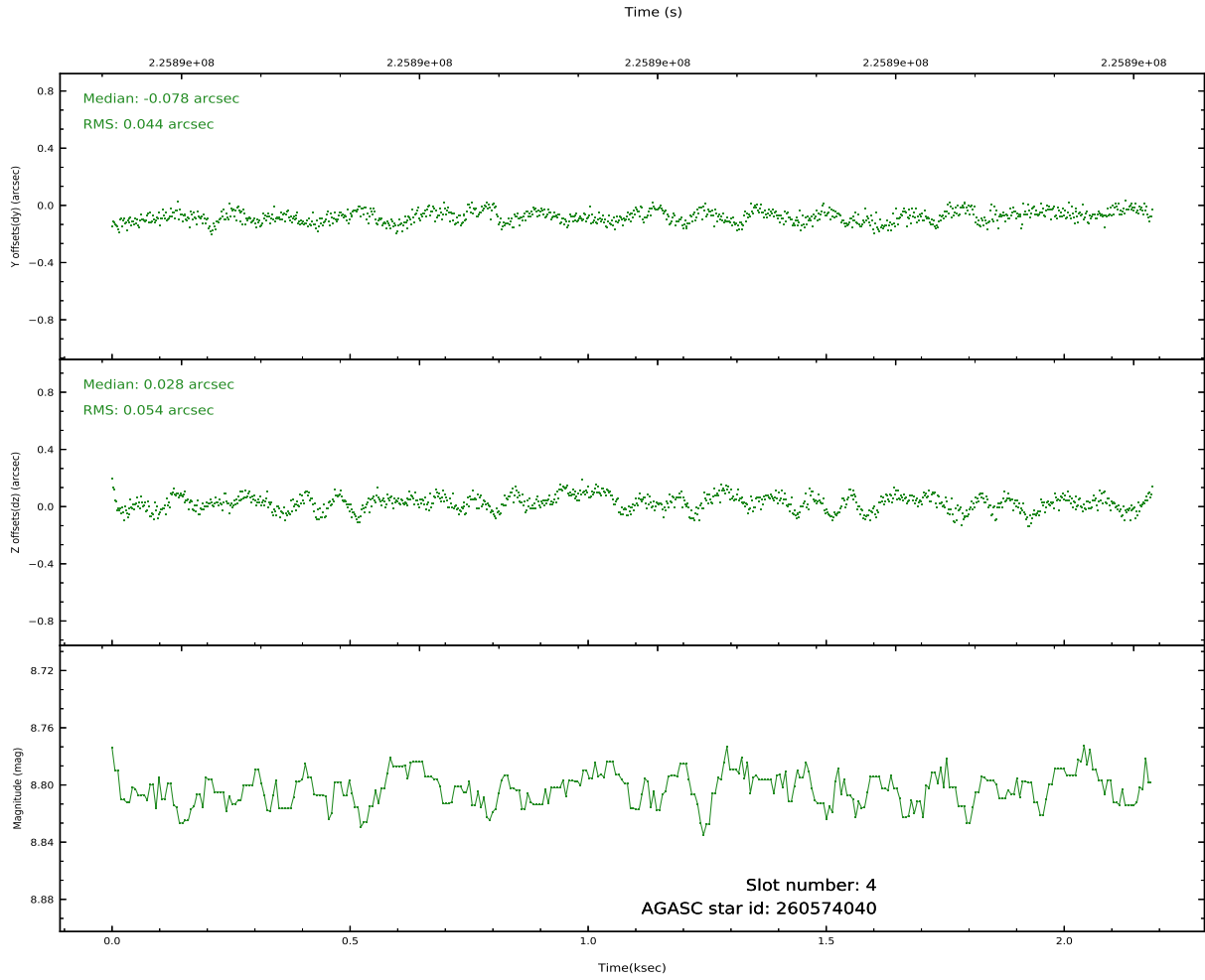
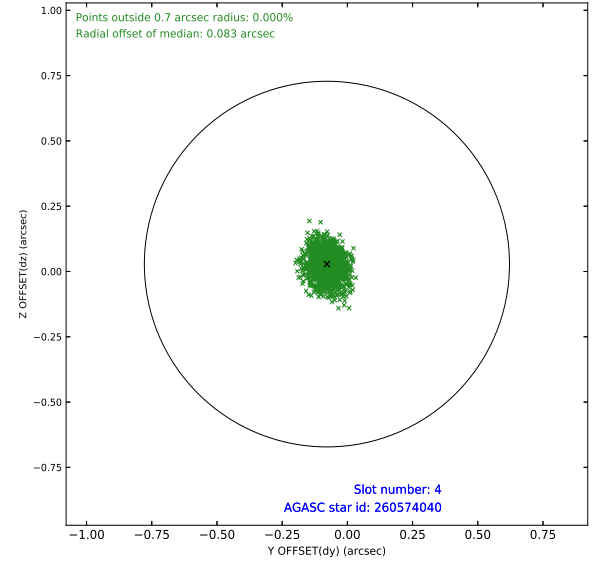
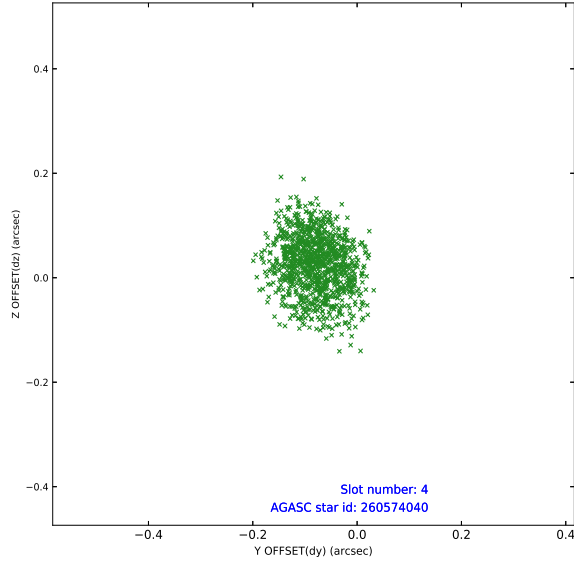
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	534	1.000	0.021	-0.002	0.006	0.011	0.000000	0.000000	933.73	-873
1	FID		ACIS-I-5	7.24	534	1.000	-0.231	0.019	0.006	0.010	0.000000	0.000000	-1812.96	1022
2	FID		ACIS-I-6	7.25	534	1.000	0.119	0.053	0.006	0.011	0.000000	0.000000	396.16	1670
3	GUIDE	used	260573016	9.72	1066	1.000	-0.006	0.062	0.108	0.168	182.104851	27.983835	-1431.44	-566
4	GUIDE	used	260574040	8.80	1067	1.000	-0.078	0.028	0.076	0.118	181.021231	28.060596	1029.57	1856
5	GUIDE	used	260580592	9.06	1067	1.000	0.030	-0.125	0.087	0.137	181.409229	28.294508	857.85	376
6	GUIDE	used	260580992	9.65	1065	1.000	0.041	0.028	0.101	0.165	182.365232	28.205015	-1363.31	-1712
7	GUIDE	used	260581184	9.67	1065	1.000	0.023	0.012	0.116	0.180	182.126376	28.169364	-970.34	-1054

2.4 Star Slots

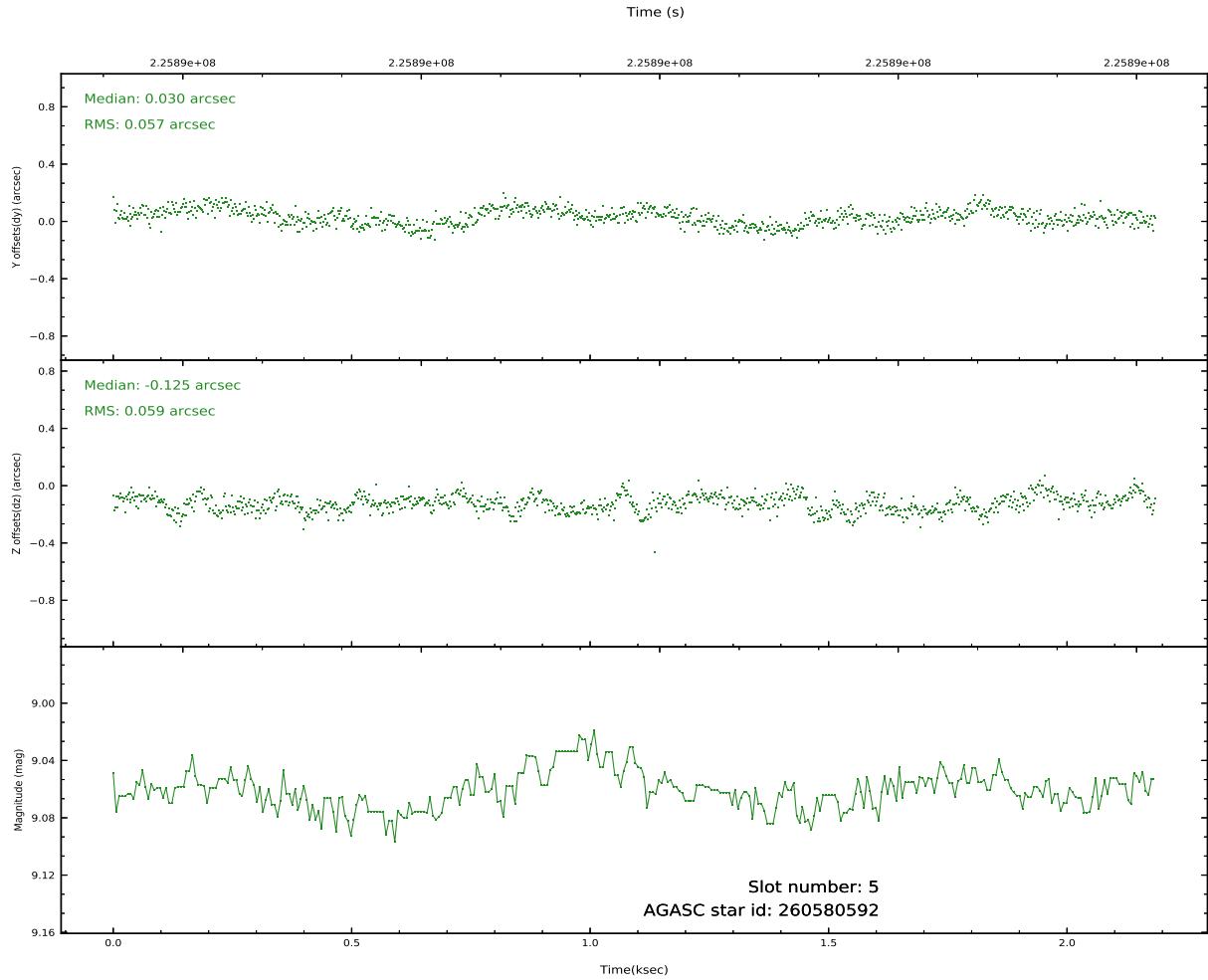
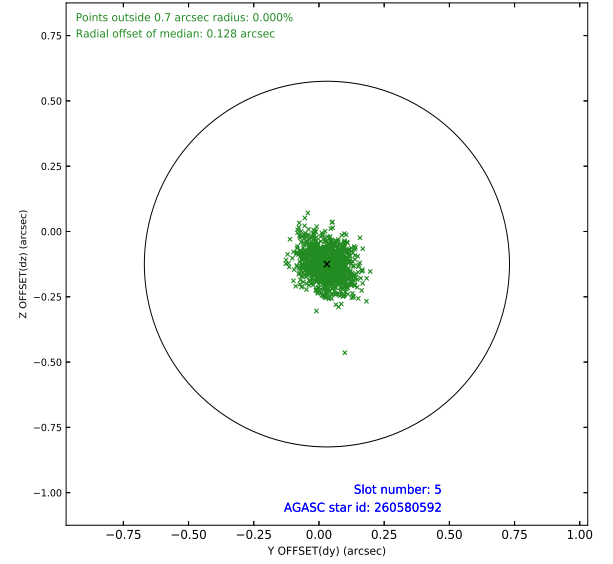
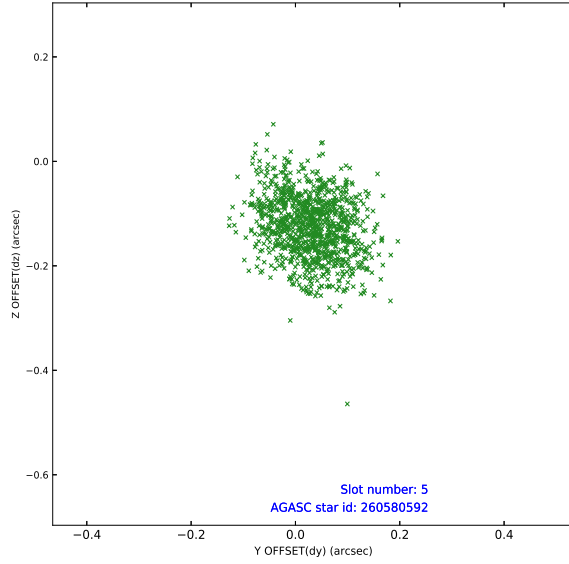
2.4.1 Slot 3



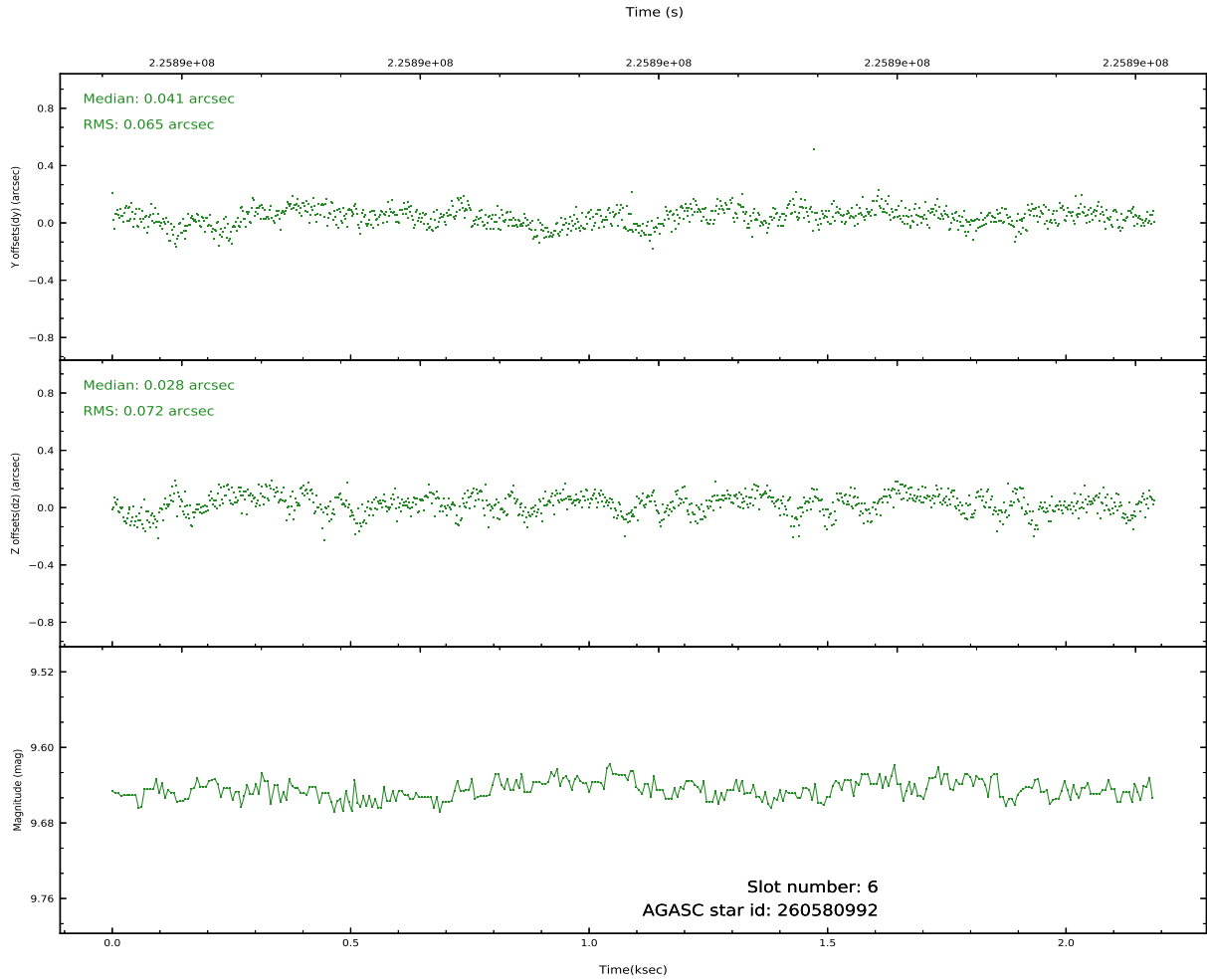
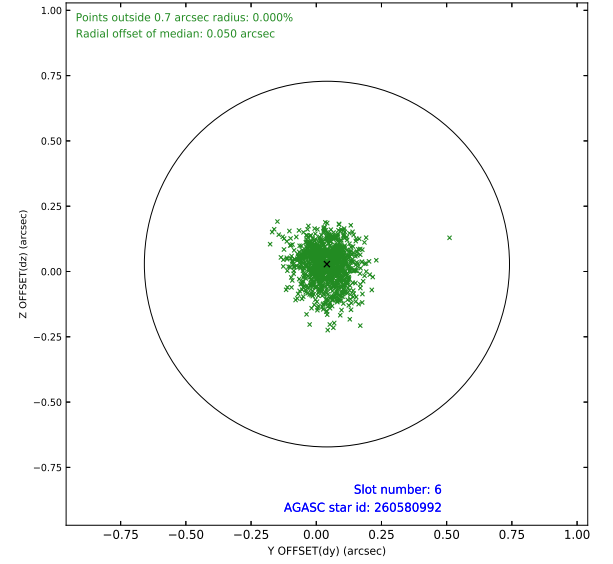
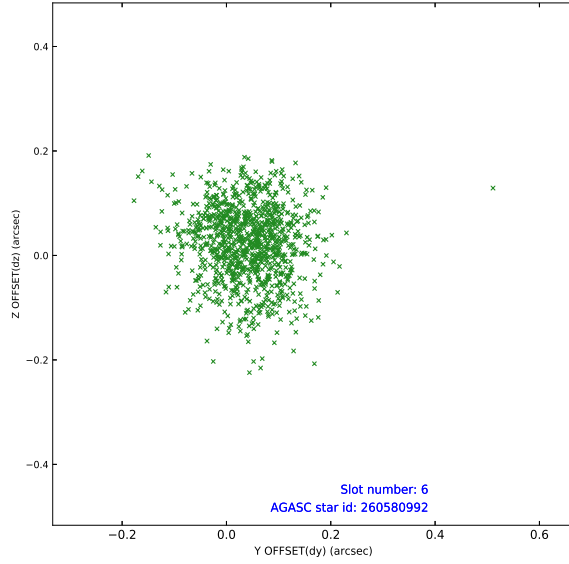
2.4.2 Slot 4



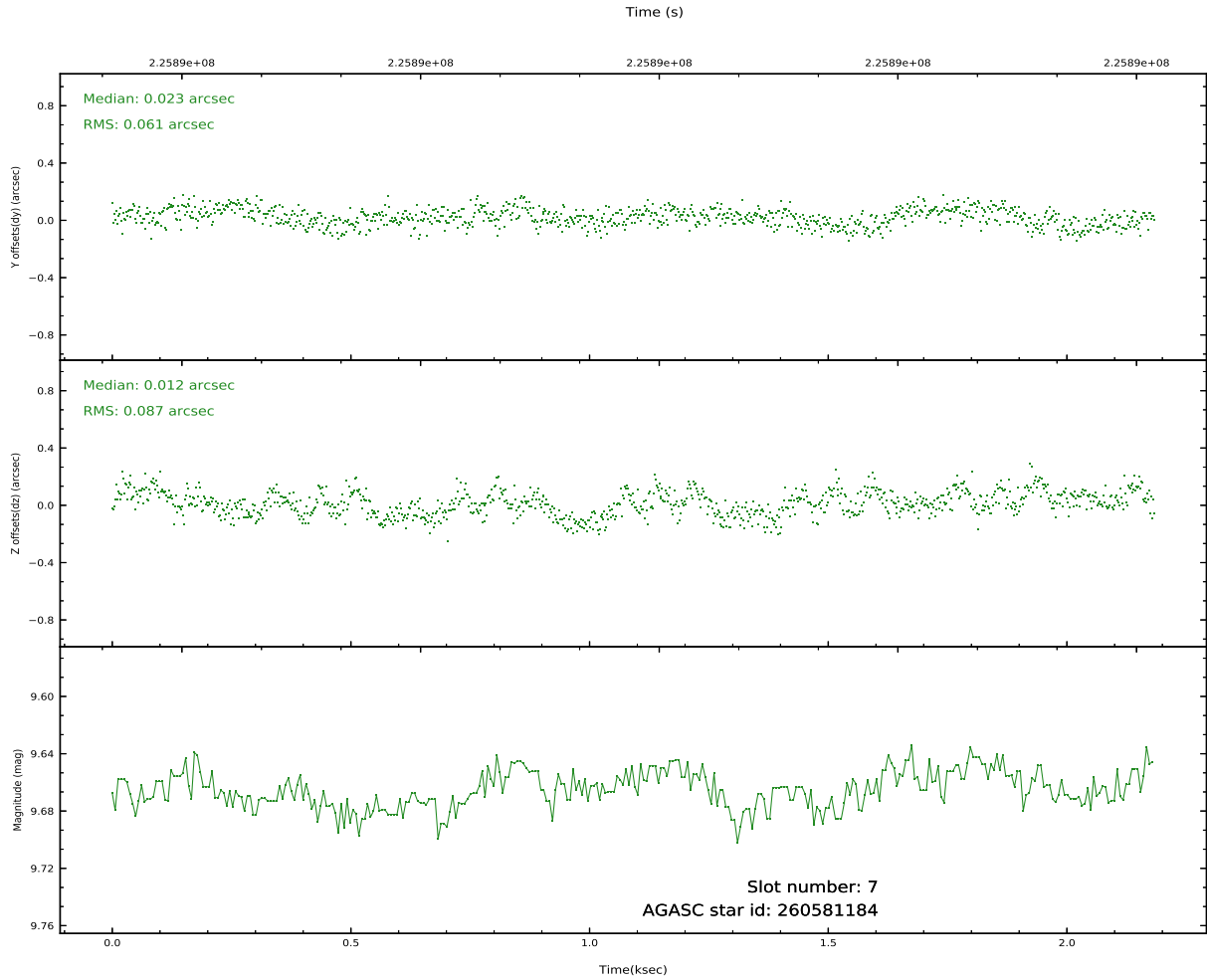
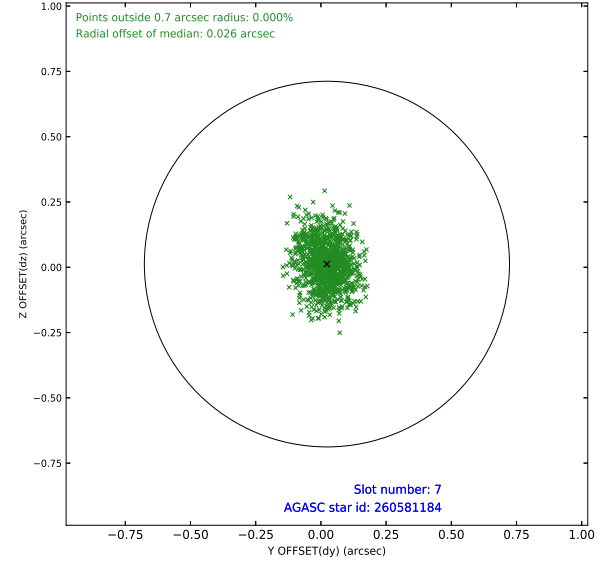
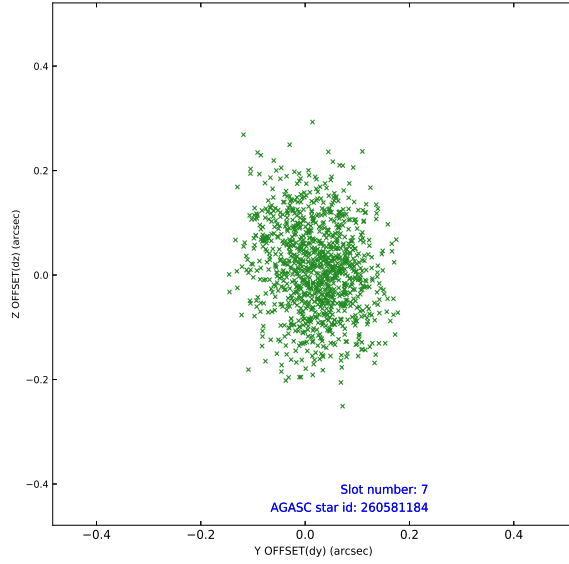
2.4.3 Slot 5



2.4.4 Slot 6

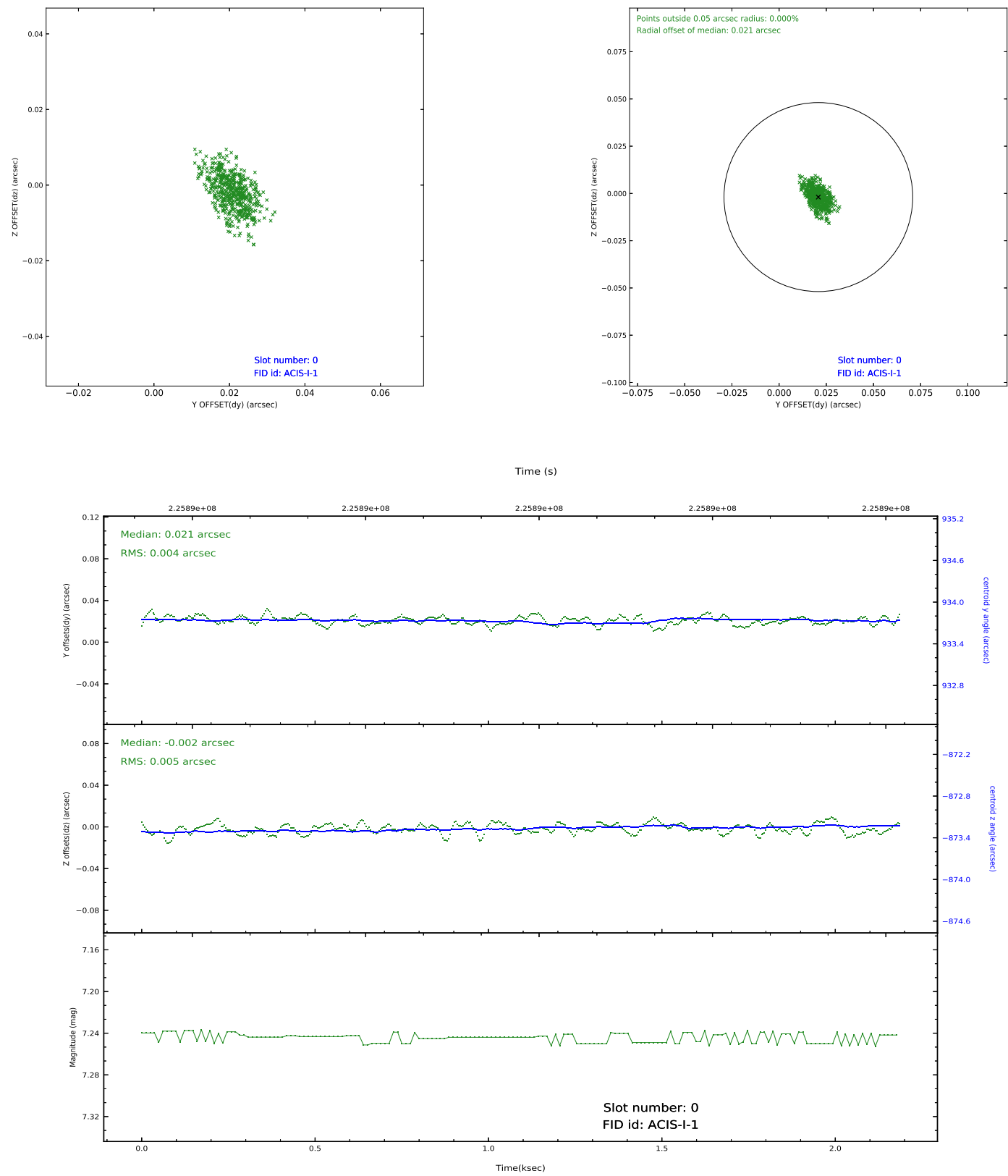


2.4.5 Slot 7

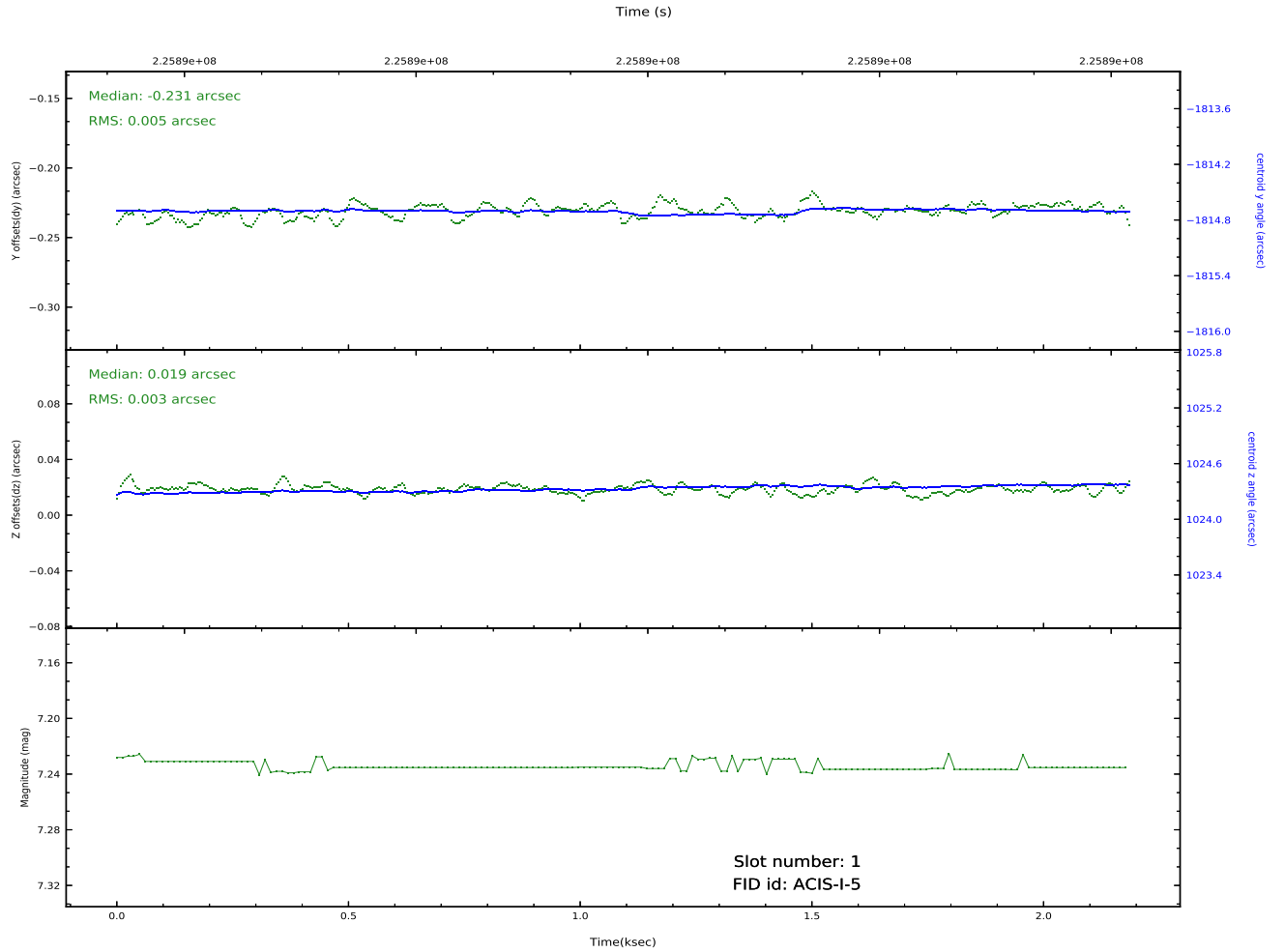
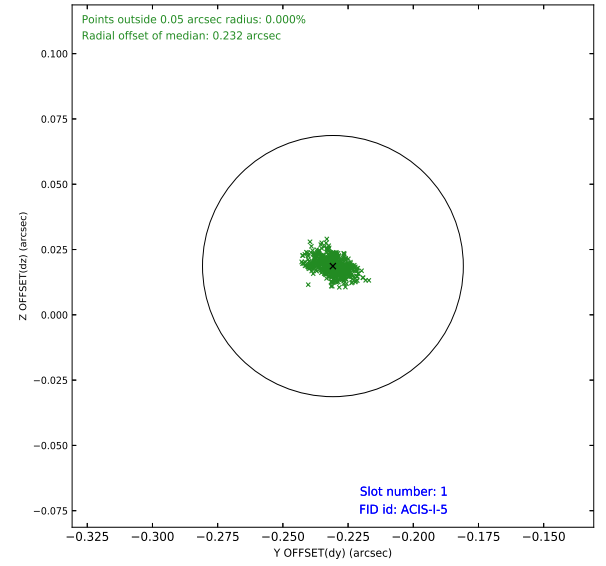
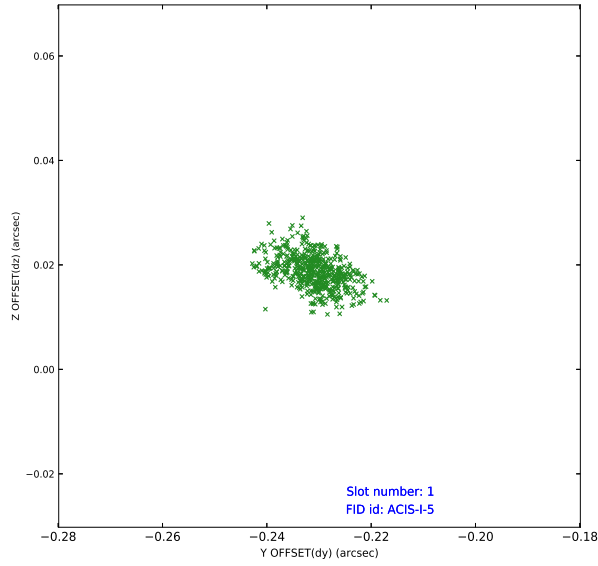


2.5 FID Slots

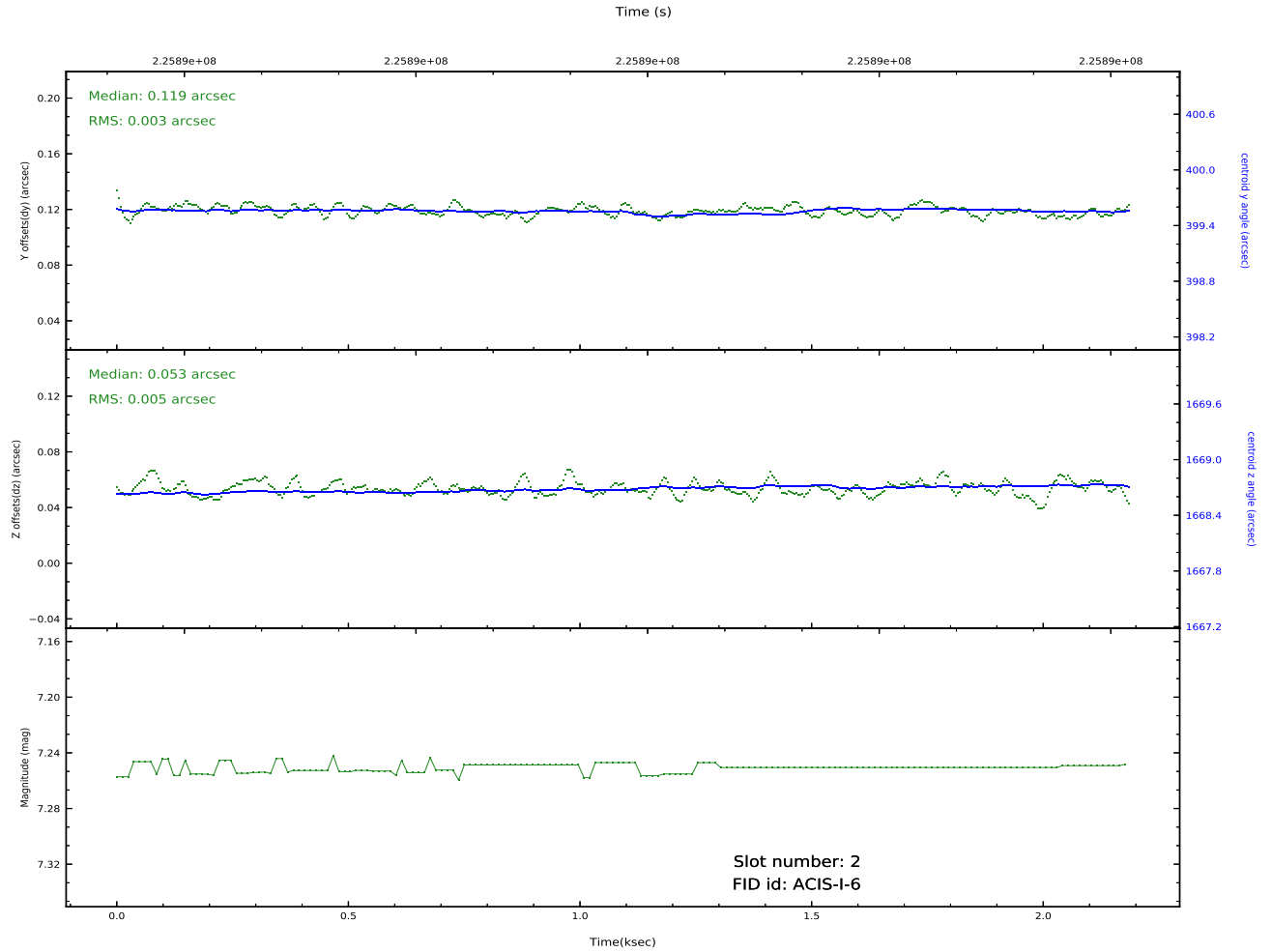
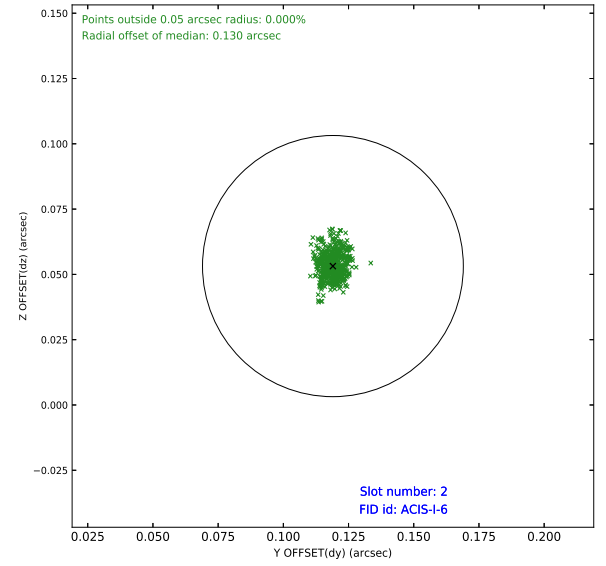
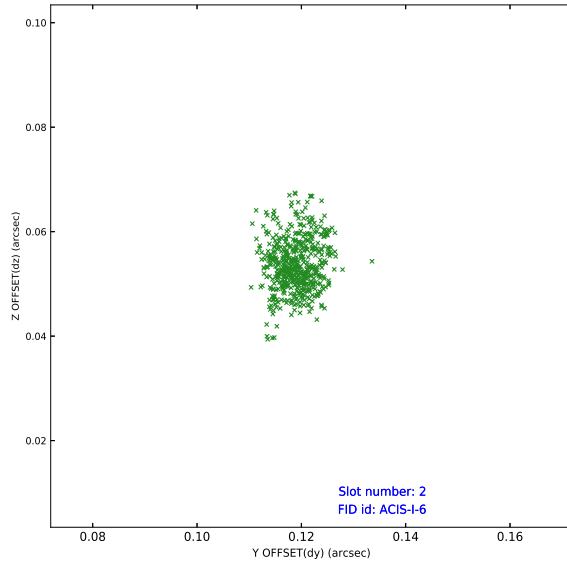
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.179258

A.2 Comments