

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5360 - L2 Version 4
Chandra X-Ray Center

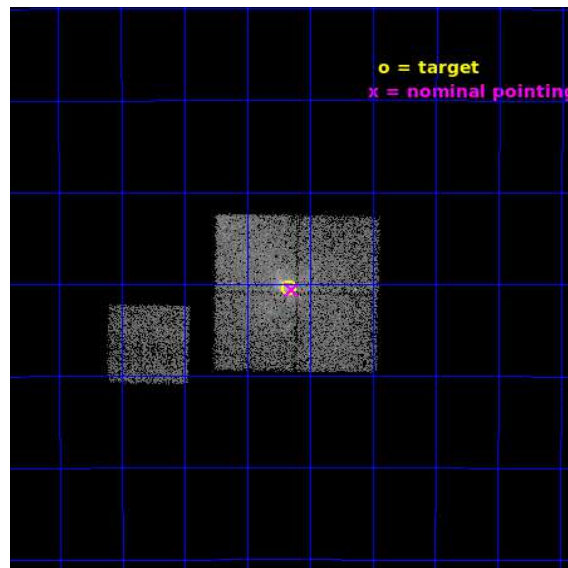
L2 Processing Date : Sep 29 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

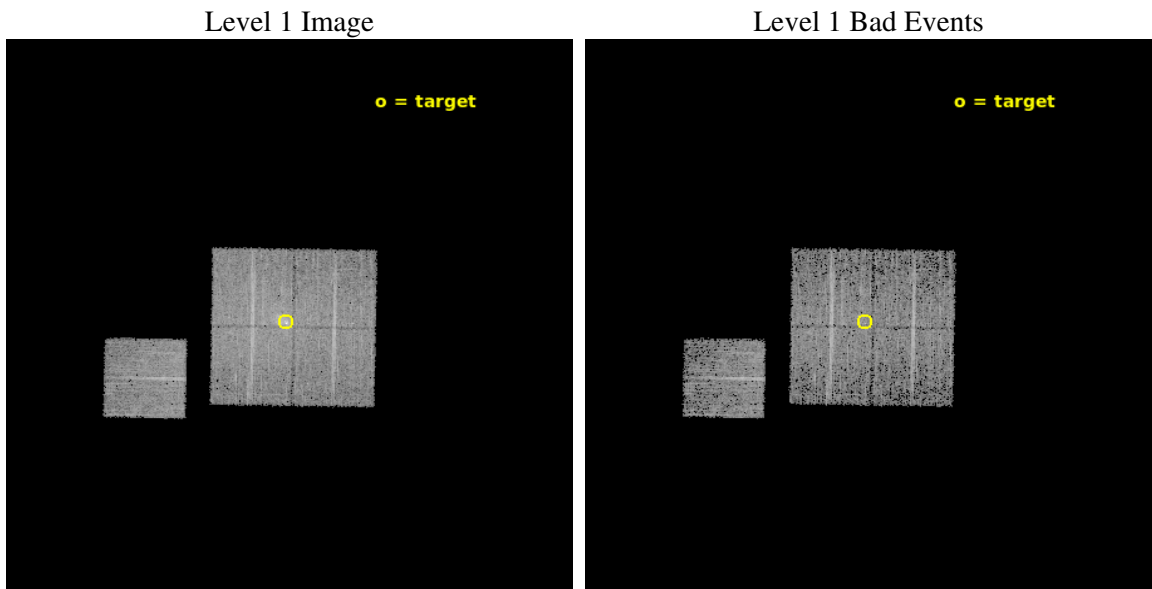
seq_num	600412	Sequence number
obs_id	5360	Observation id
title	Monitoring a New X-ray Transient 2.5 Arcseconds South of Sgr A*	Pr
observer	Frederick Baganoff	Principal investigator
object	CXOGC J174540.0-290030	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41132174238	Nominal RA [deg]
dec_nom	-29.010288531537	Nominal Dec [deg]
roll_nom	271.01102879493	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5173.8999900222	Sum of GTIs [s]
livetime	5106.2991776828	Livetime [s]
ontime0	5173.8999900222	Sum of GTIs [s]
ontime1	5173.8999900222	Sum of GTIs [s]
ontime2	5173.8999900222	Sum of GTIs [s]
ontime3	5173.8999900222	Sum of GTIs [s]
ontime6	5173.8999900222	Sum of GTIs [s]
l2events	41513	Number of level 2 events



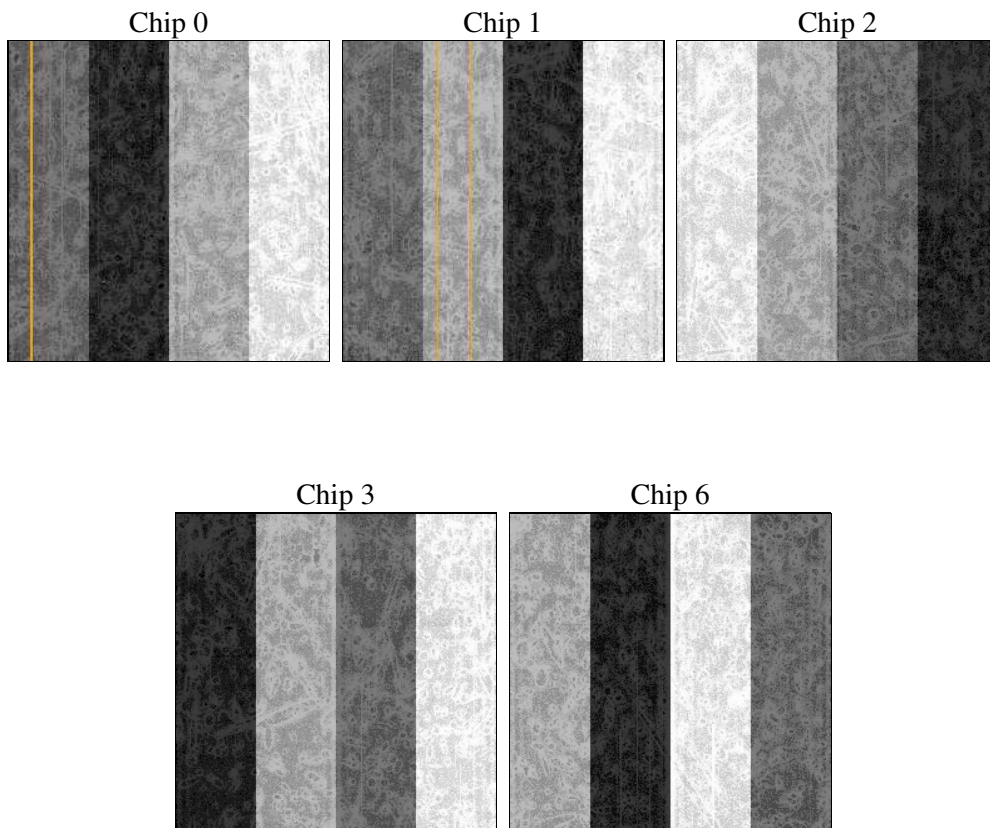
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5173.8999900222	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	5173.8999900222	Sum of GTIs [s]
date	2020-09-29T11:40:21	Date and time of file creation	ontime1	5173.8999900222	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	5173.8999900222	Sum of GTIs [s]
			ontime3	5173.8999900222	Sum of GTIs [s]
			ontime6	5173.8999900222	Sum of GTIs [s]
			l1events	208999	Number of level 1 events

2.1.4 Events

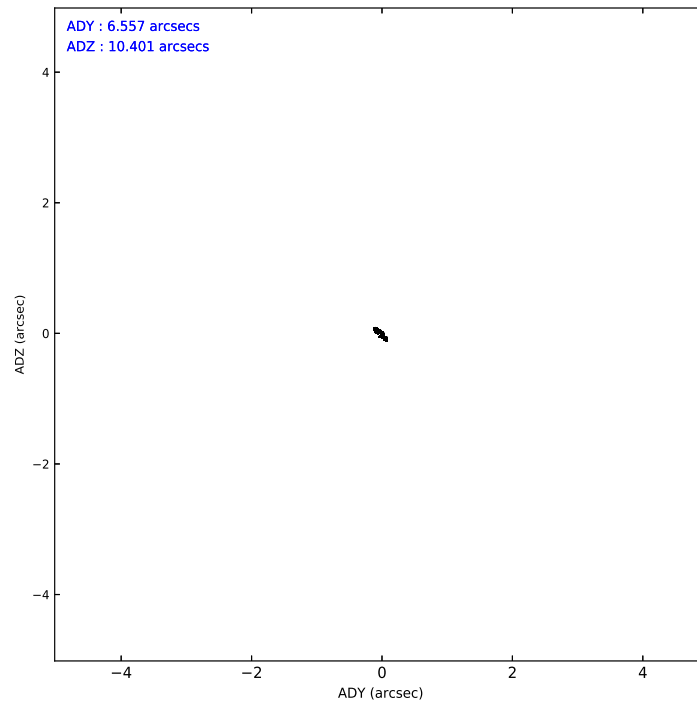
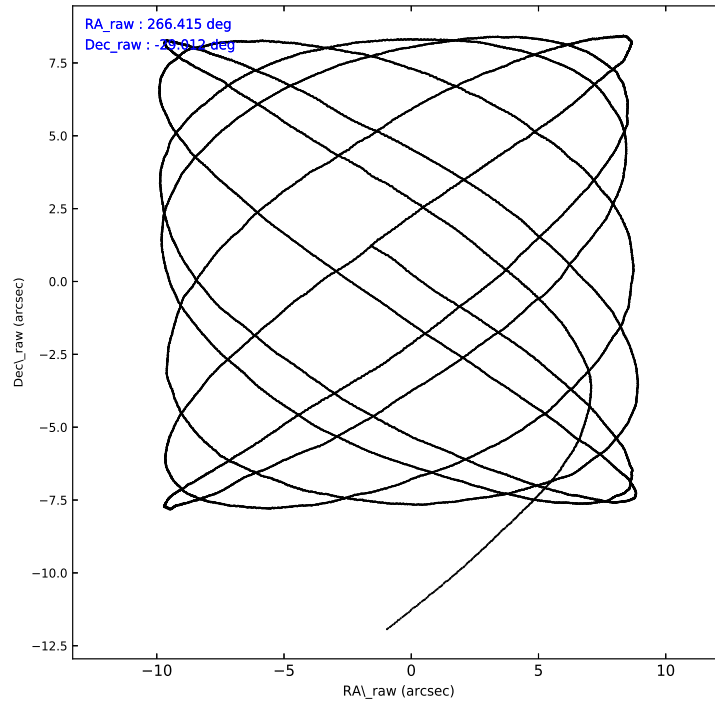
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	37866	39475	42649	49530	39479
rejected events	29929	31056	33649	34650	33969
rejected %	79%	78%	78%	69%	86%

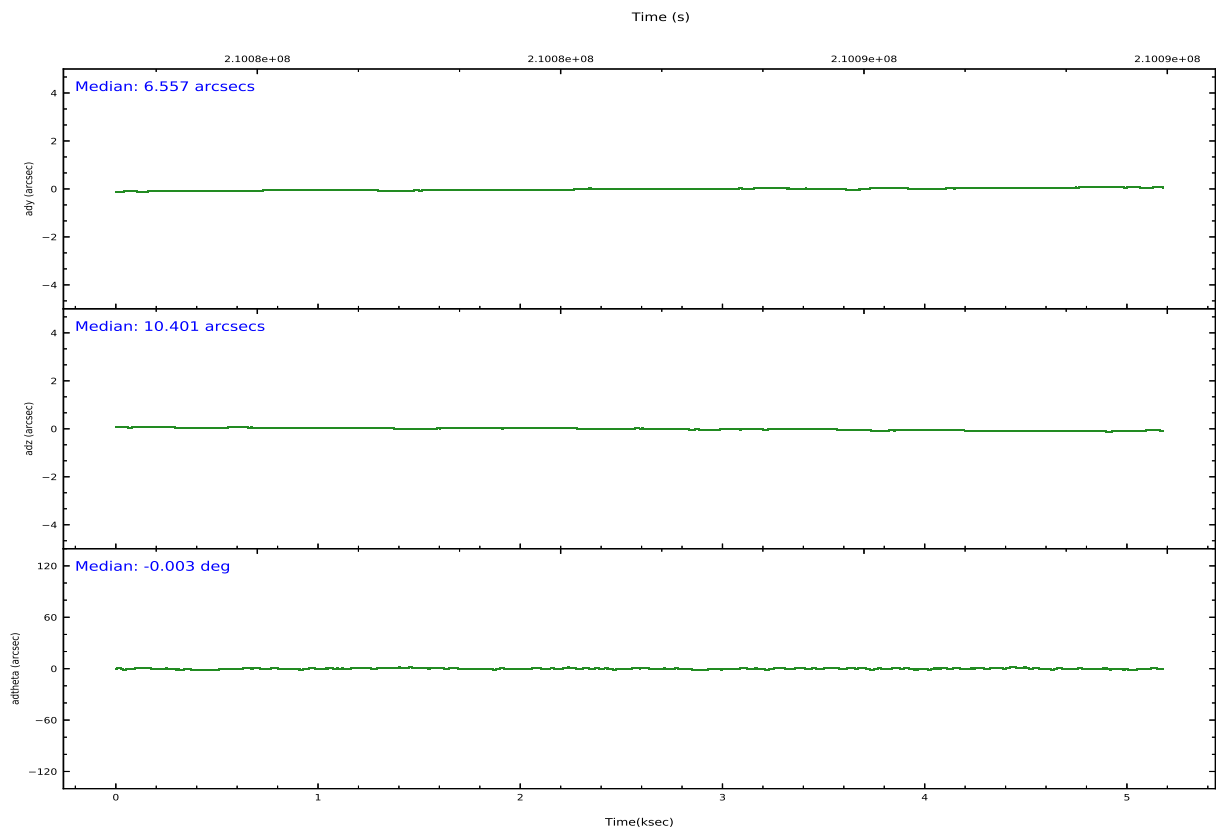
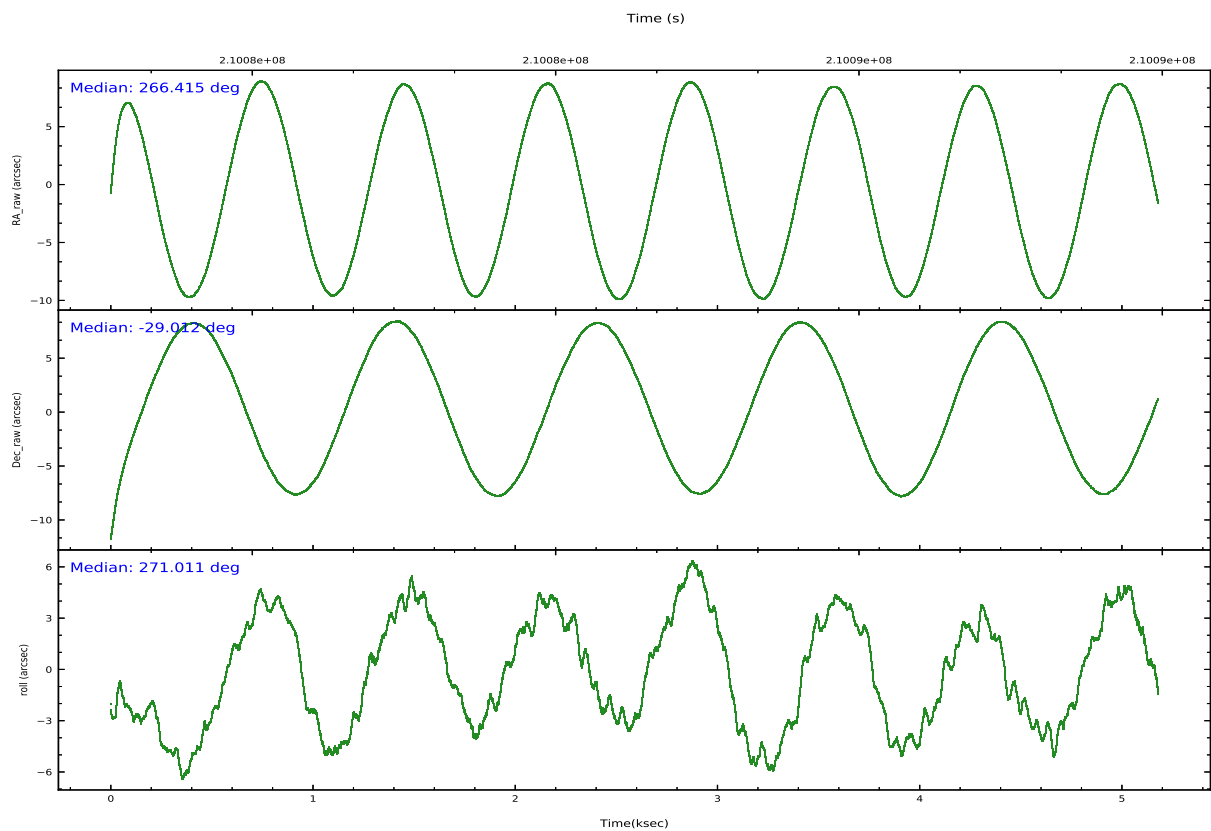
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4277	4409	5165	9231	2483
	11%	11%	12%	18%	6%
grade 1 events	31	27	38	75	15
	0%	0%	0%	0%	0%
grade 2 events	1395	1587	1547	2212	1046
	3%	4%	3%	4%	2%
grade 3 events	609	636	637	925	518
	1%	1%	1%	1%	1%
grade 4 events	610	629	678	974	509
	1%	1%	1%	1%	1%
grade 5 events	1601	1698	1502	1839	1697
	4%	4%	3%	3%	4%
grade 6 events	1063	1178	995	1589	978
	2%	2%	2%	3%	2%
grade 7 events	28280	29311	32087	32685	32233
	74%	74%	75%	65%	81%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.398448	266.41132174238	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.988663	-29.010288531537	Alternating exposures requested	N	N
[deg] Pointing Roll	270.794027	271.01102879493	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	210082979.184000	210081839.16359			
Observation start date	2004-08-28T12:21:55	2004-08-28T12:03:59			
[s] Observation end time (MET)	210087979.184000	210088814.28891			
Observation end date	2004-08-28T13:45:15	2004-08-28T14:00:14			
Read mode	TIMED	TIMED			

2.3 Aspect



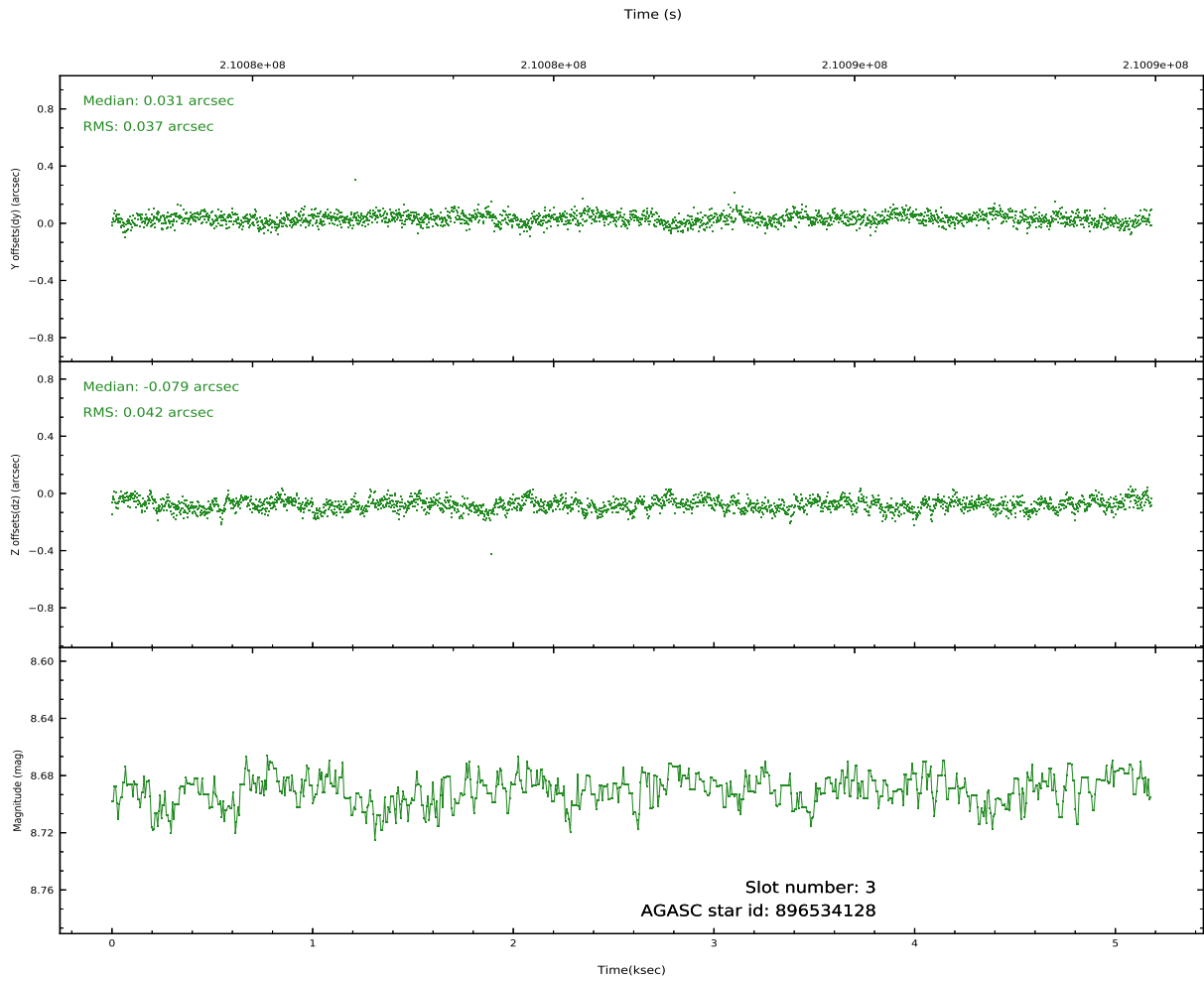
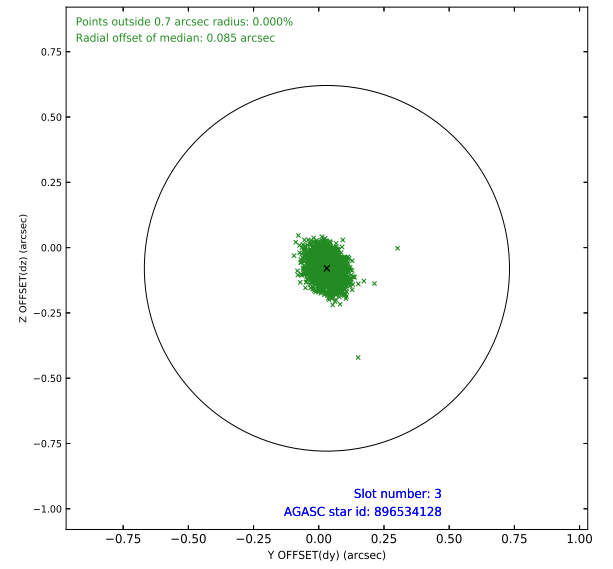
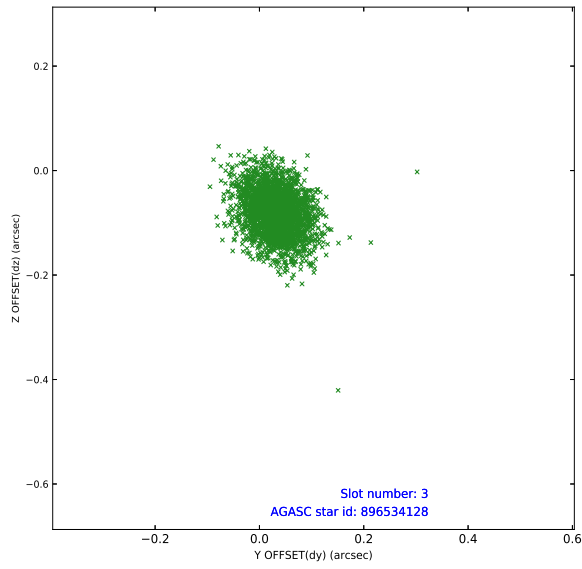


Slot Statistics

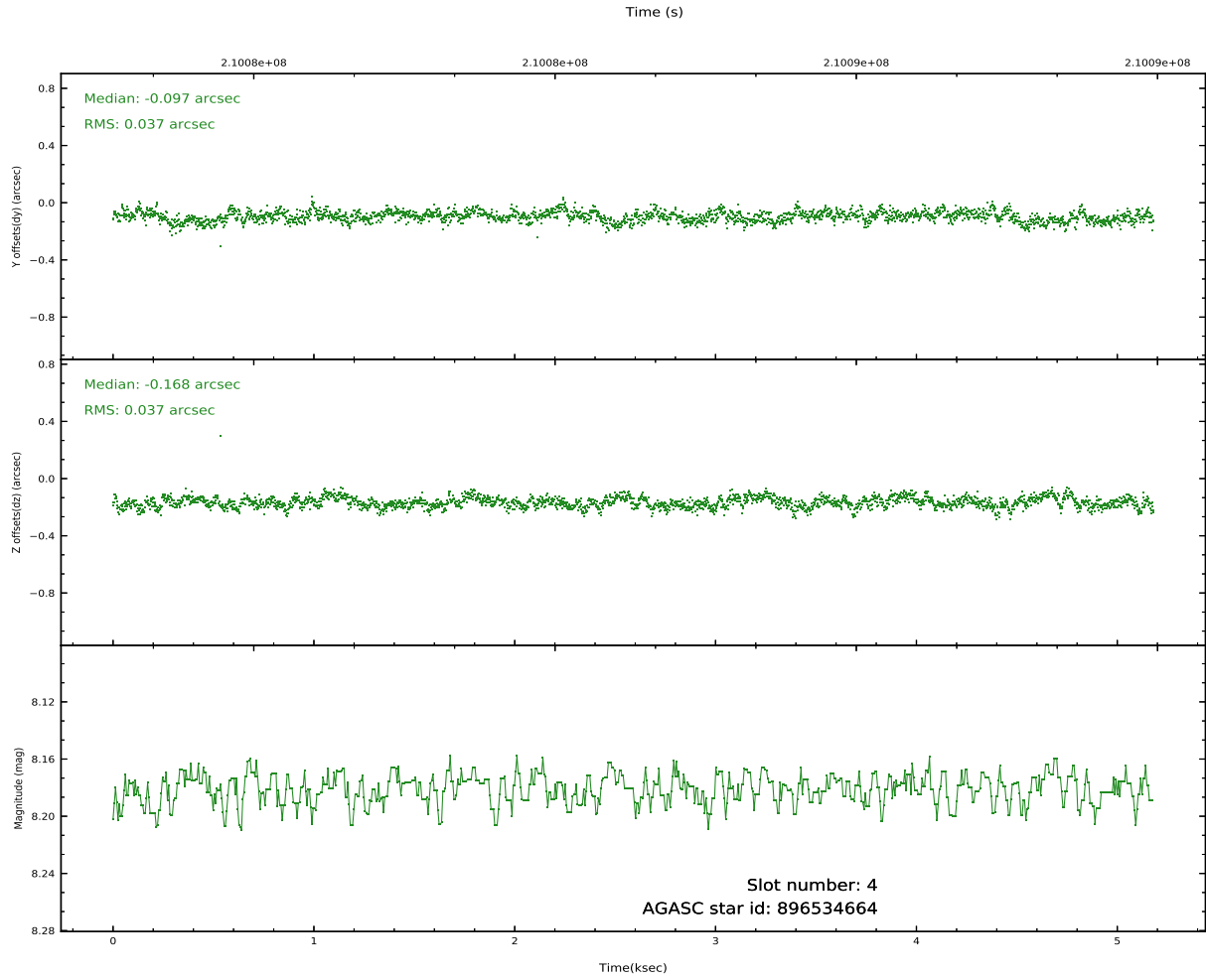
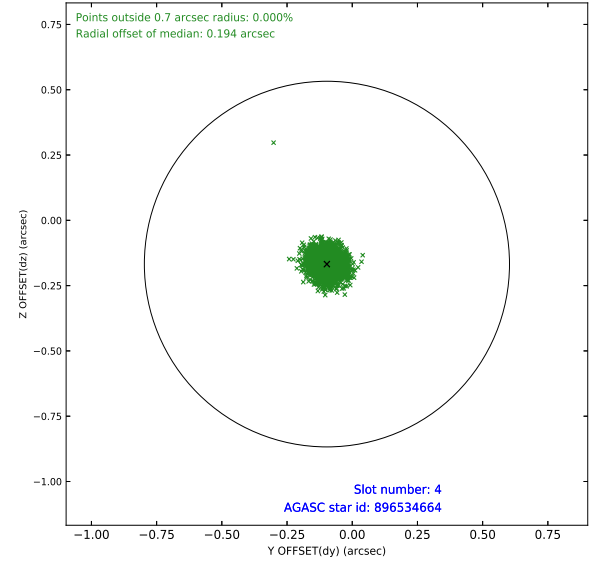
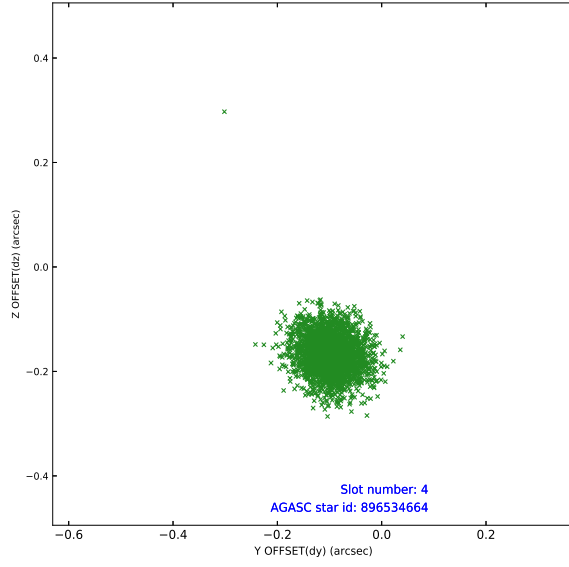
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	1264	1.000	-0.019	-0.036	0.011	0.019	0.000000	0.000000	933.14	-833
1	FID		ACIS-I-4	7.18	1264	1.000	0.131	0.058	0.010	0.016	0.000000	0.000000	2153.97	1065
2	FID		ACIS-I-5	7.22	1264	1.000	-0.211	0.049	0.007	0.013	0.000000	0.000000	-1813.56	1064
3	GUIDE	used	896534128	8.69	2526	1.000	0.031	-0.079	0.058	0.098	266.503837	-29.080853	336.59	326
4	GUIDE	used	896534664	8.18	2528	1.000	-0.097	-0.168	0.055	0.088	266.405570	-28.407461	-2091.57	51
5	GUIDE	used	896541576	8.19	2527	1.000	-0.025	0.078	0.057	0.090	267.051055	-28.762912	-779.40	2070
6	GUIDE	used	896544560	9.01	2526	1.000	-0.185	0.008	0.067	0.105	265.902975	-28.371895	-2239.13	-1538
7	GUIDE	used	896539920	8.82	2525	1.000	0.275	0.160	0.062	0.102	266.848347	-29.638887	2362.12	1374

2.4 Star Slots

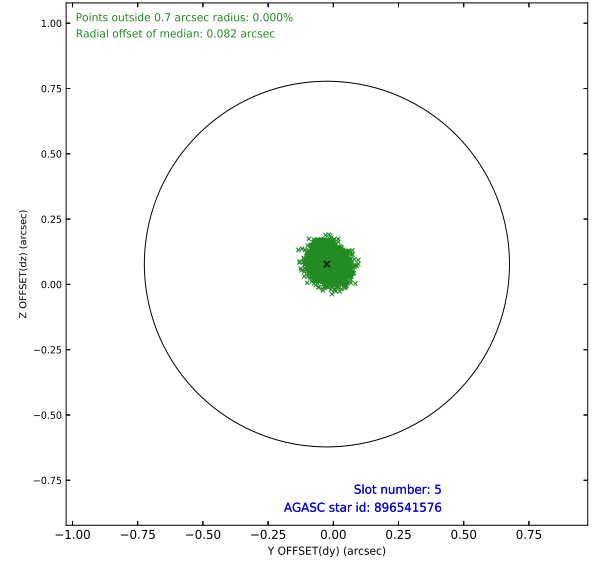
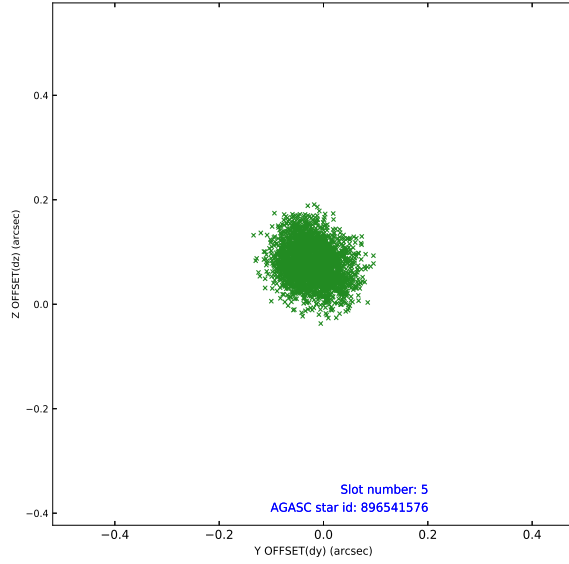
2.4.1 Slot 3



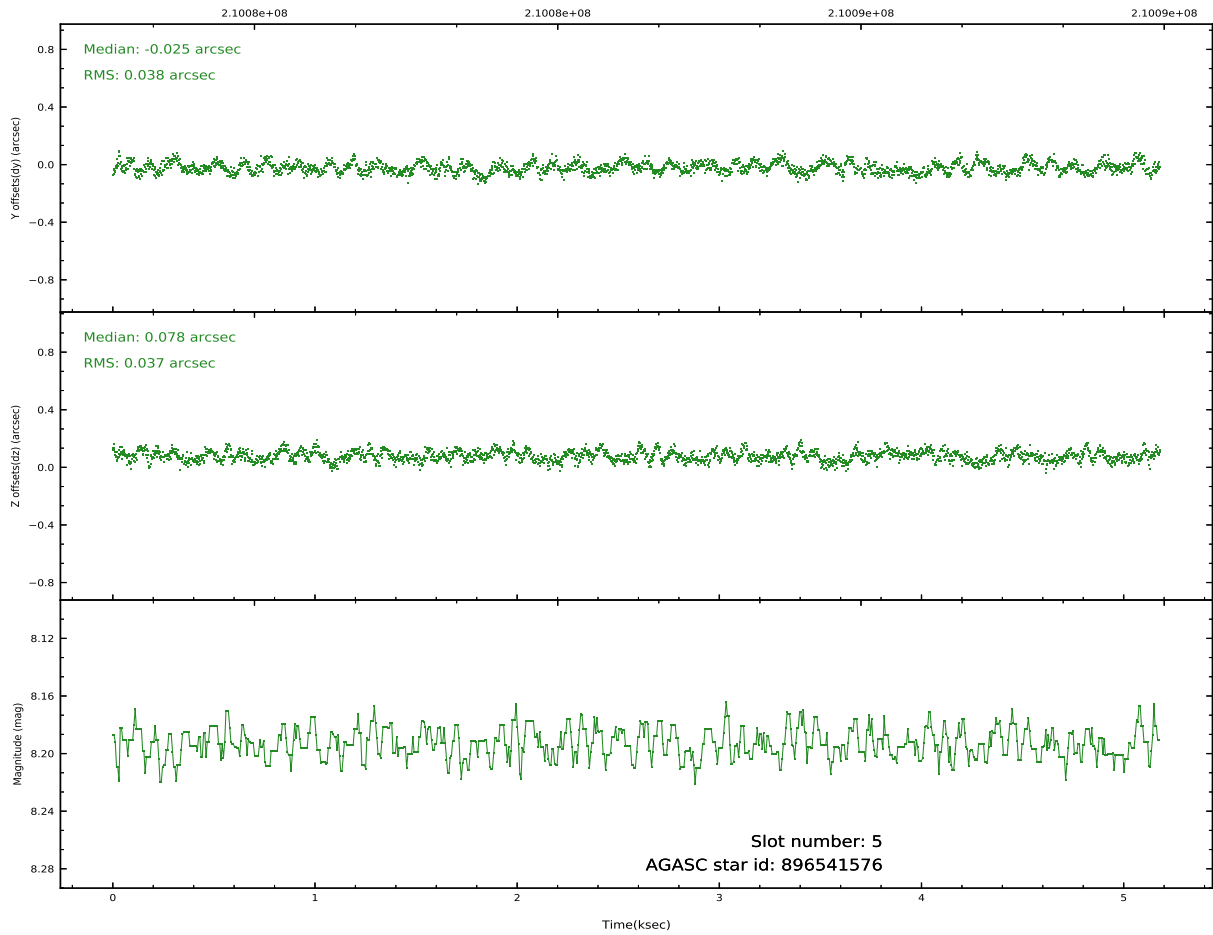
2.4.2 Slot 4



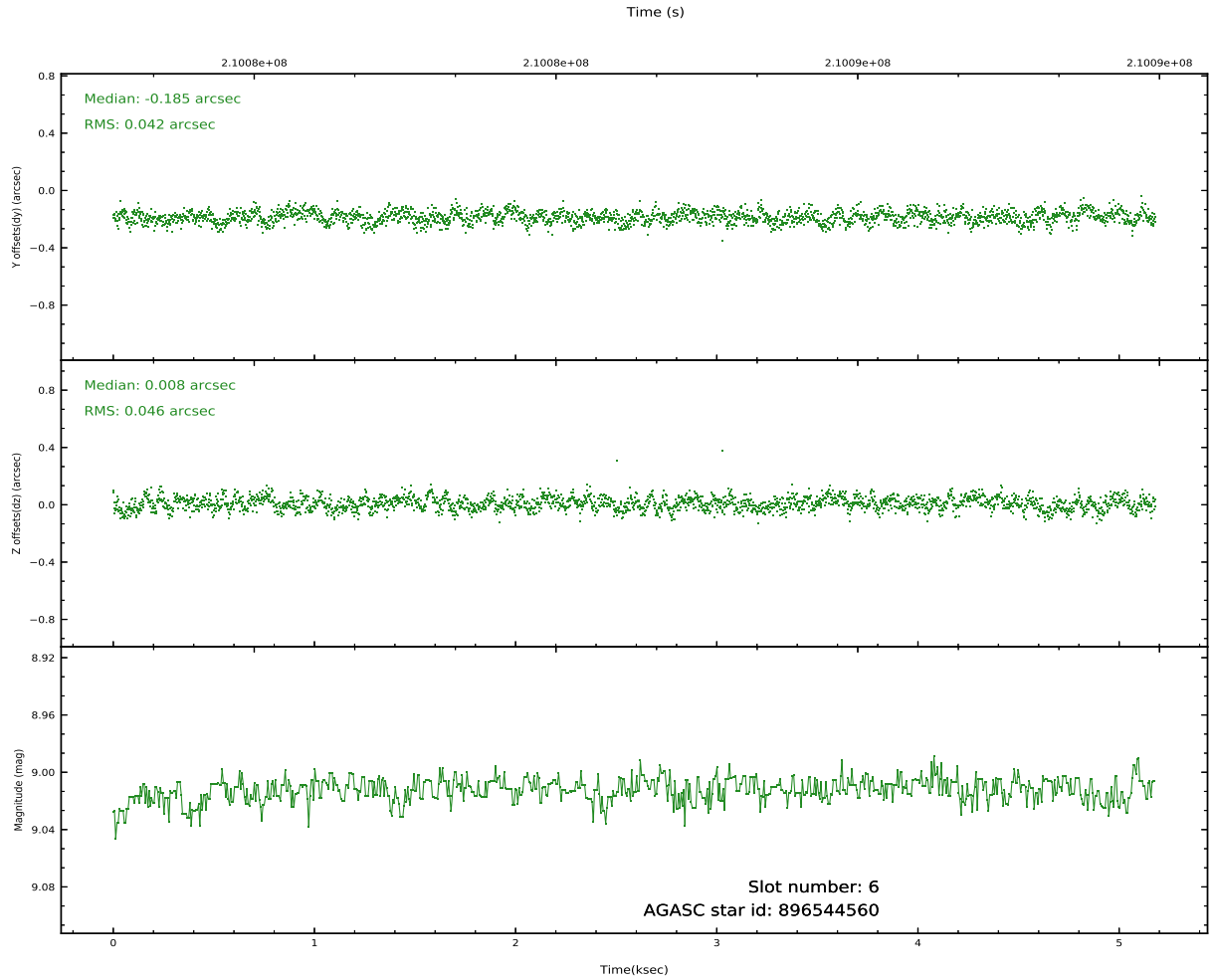
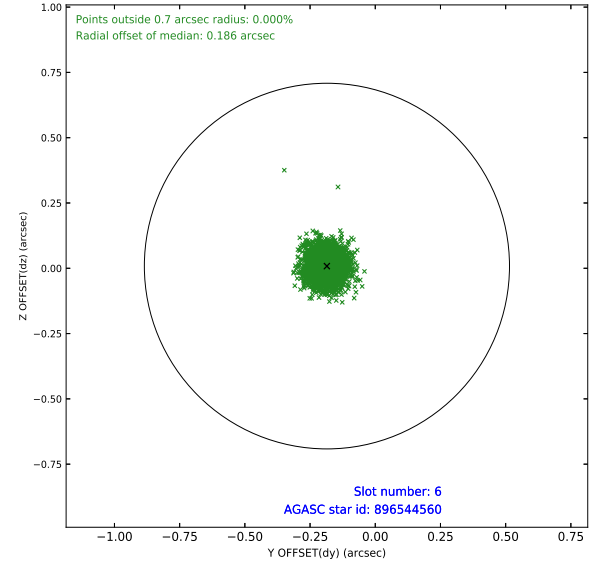
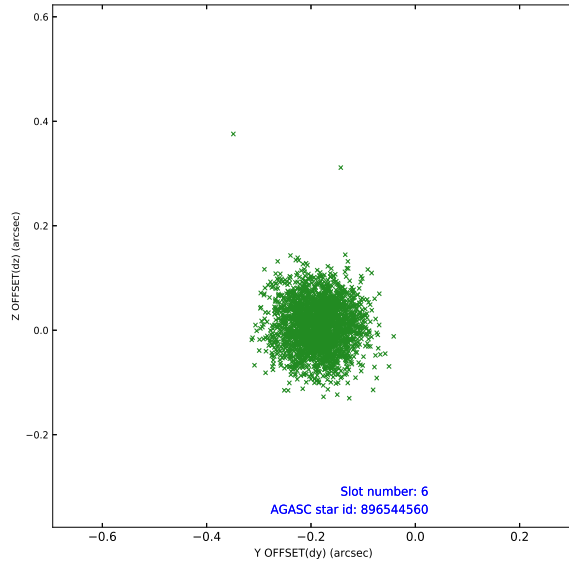
2.4.3 Slot 5



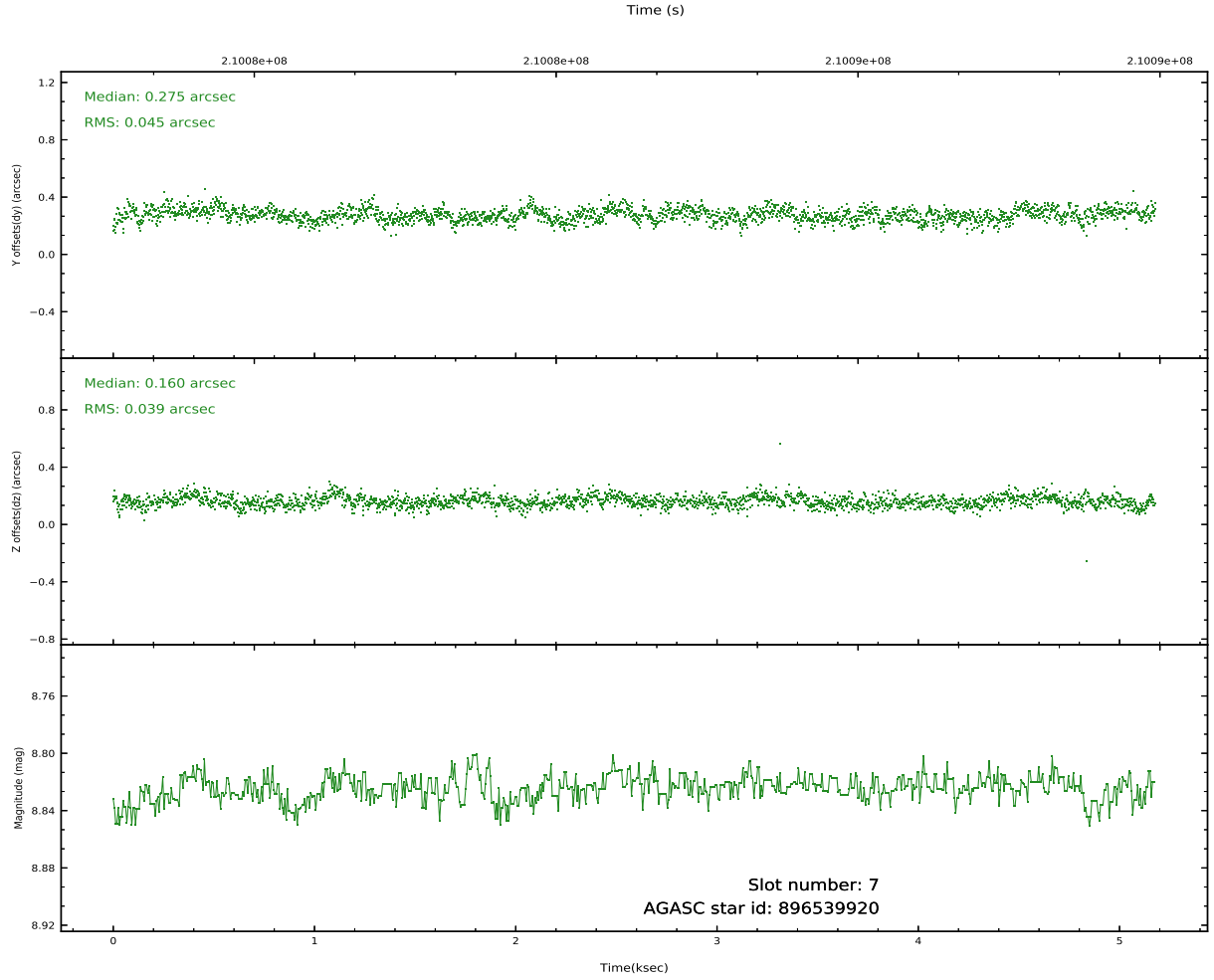
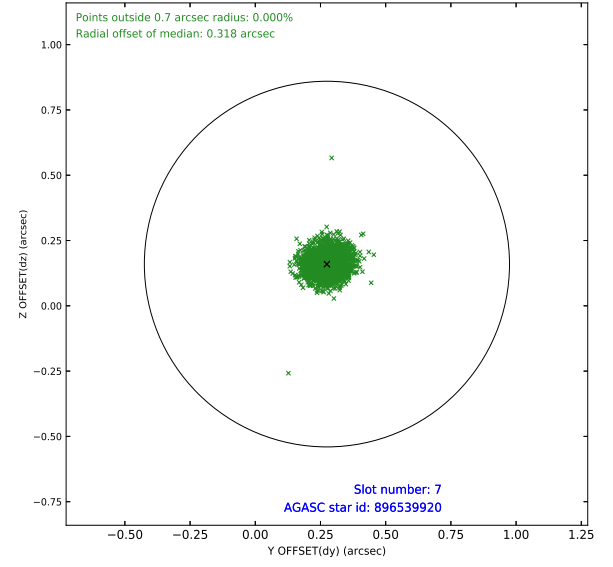
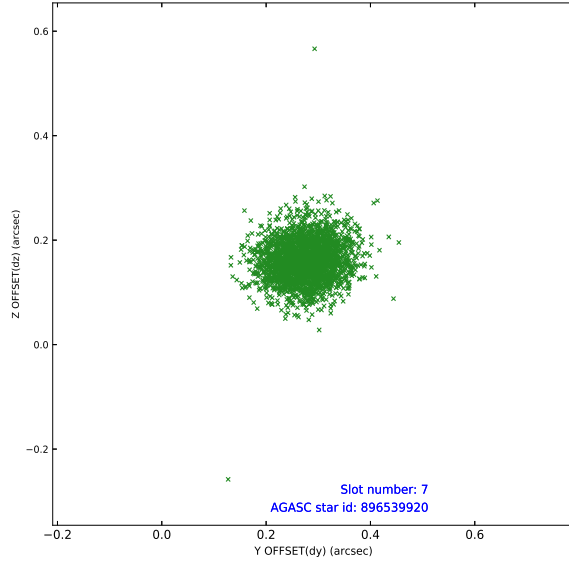
Time (s)



2.4.4 Slot 6

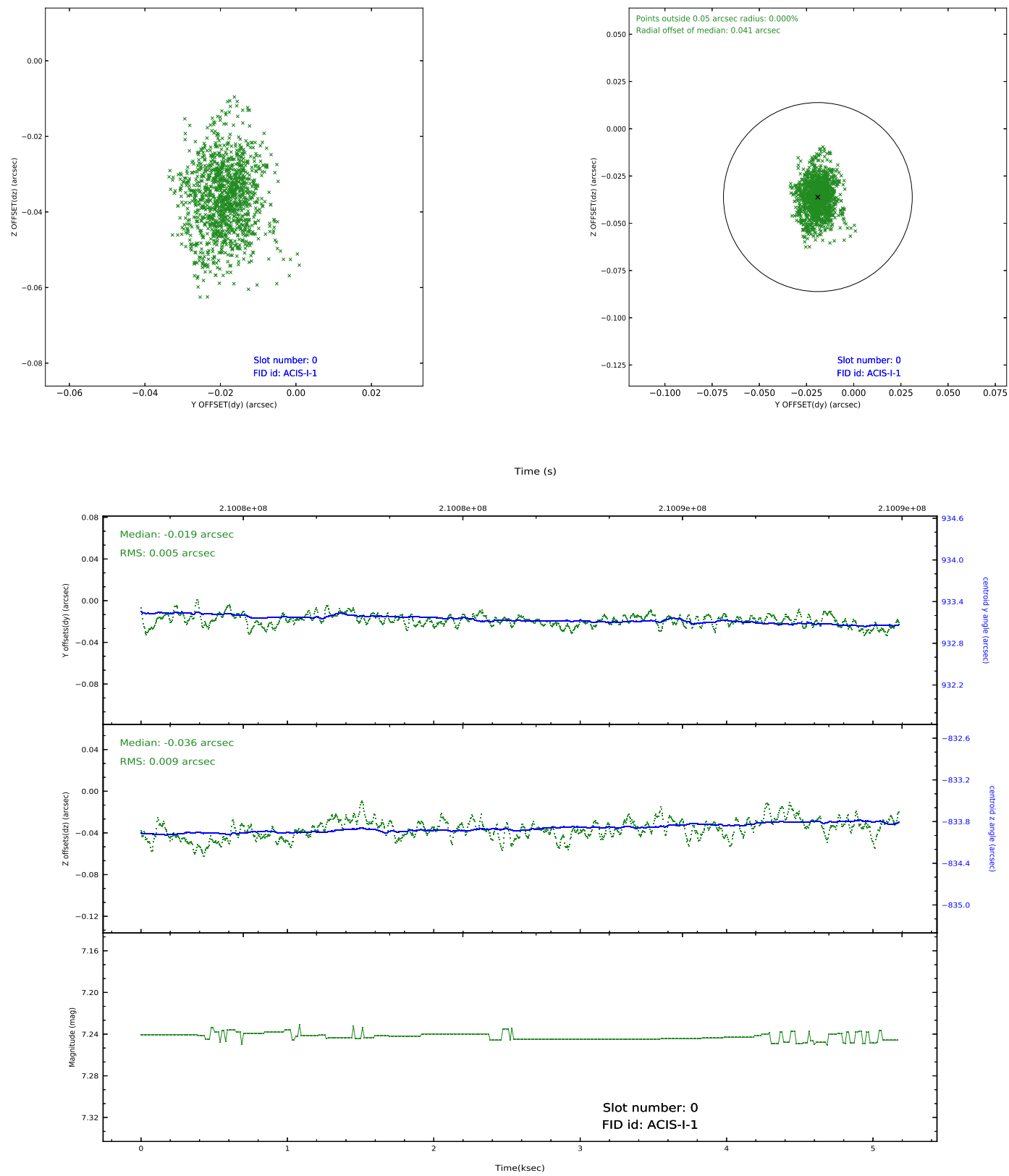


2.4.5 Slot 7

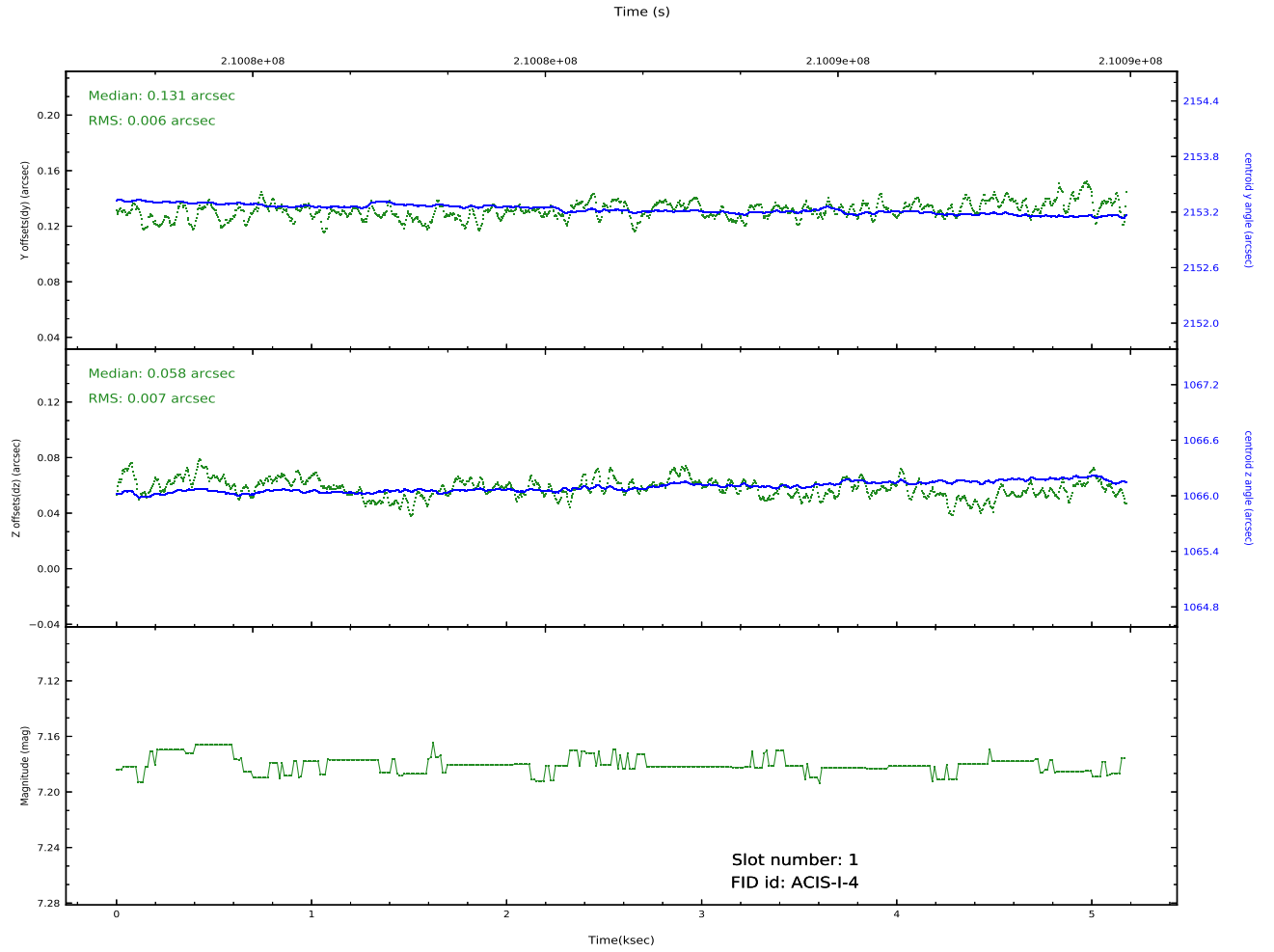
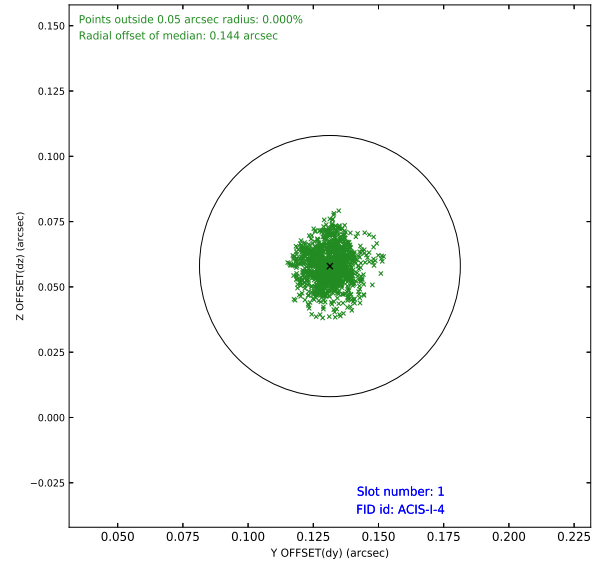
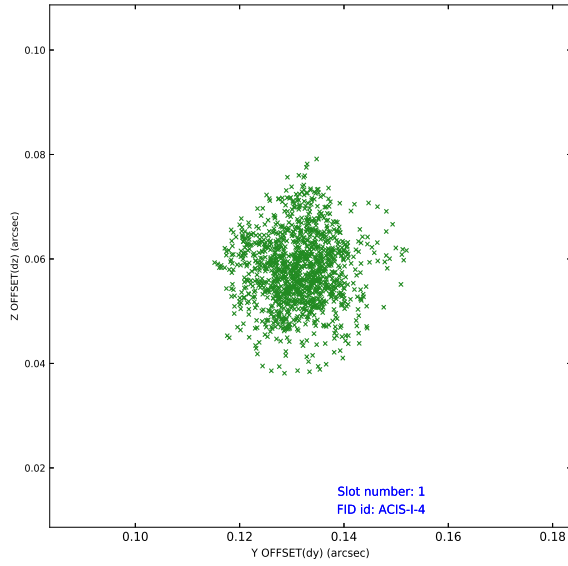


2.5 FID Slots

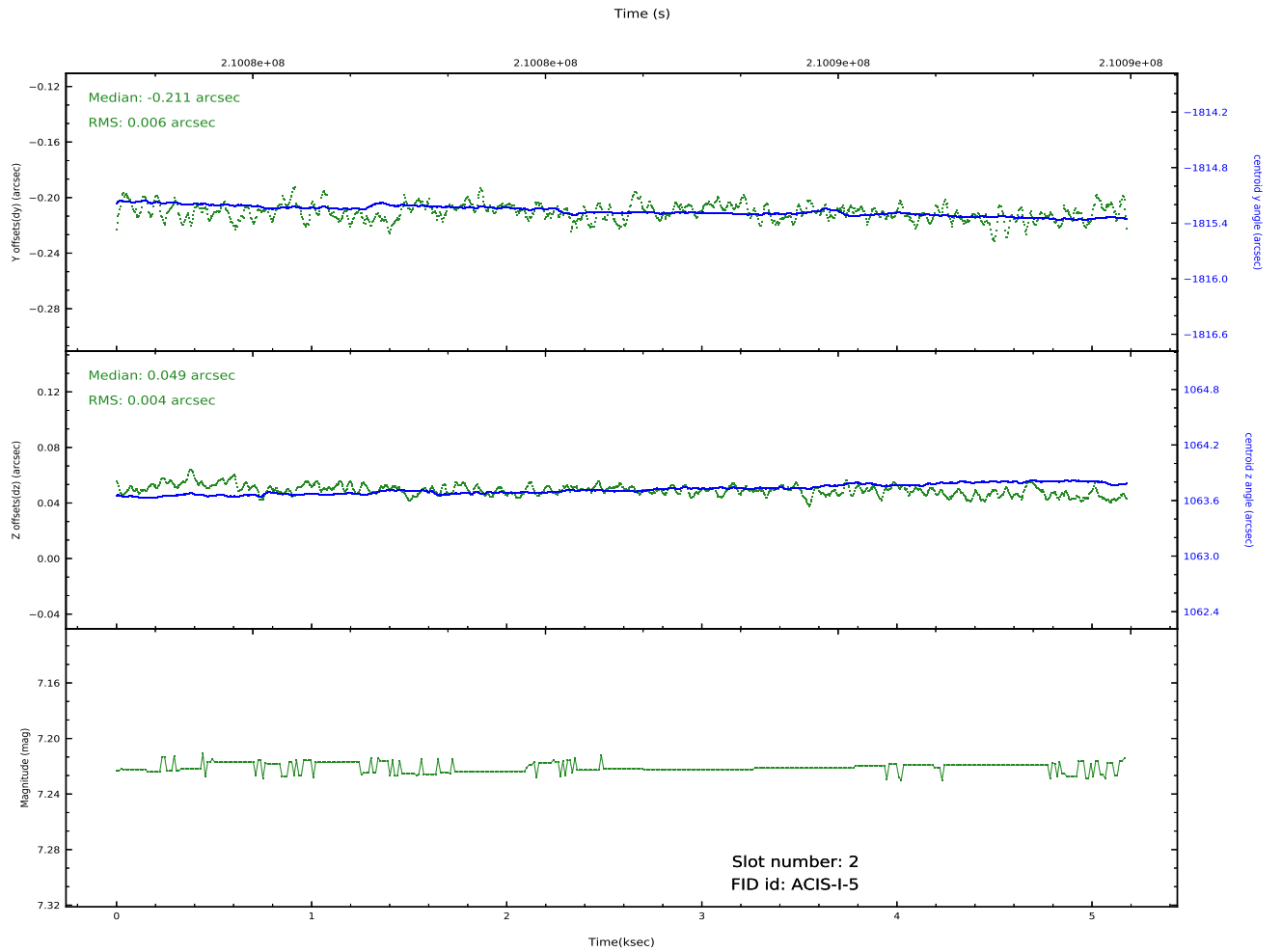
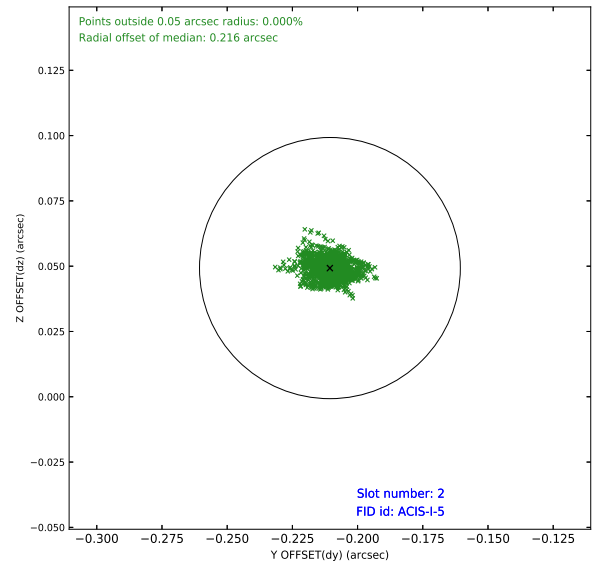
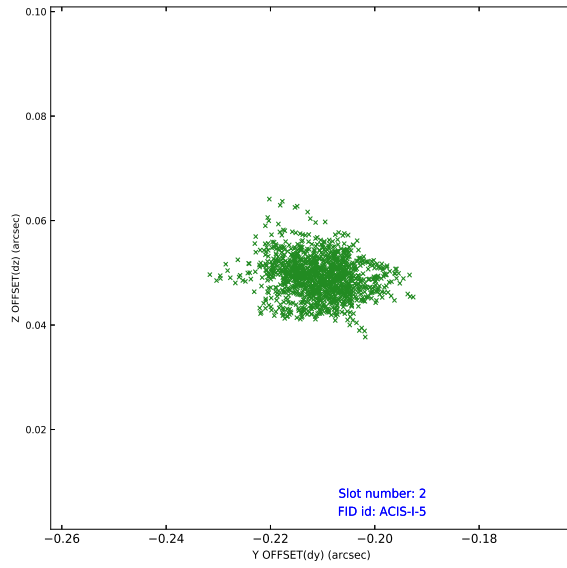
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.174

A.2 Comments

Window preference met.