

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5176 - L2 Version 4
Chandra X-Ray Center

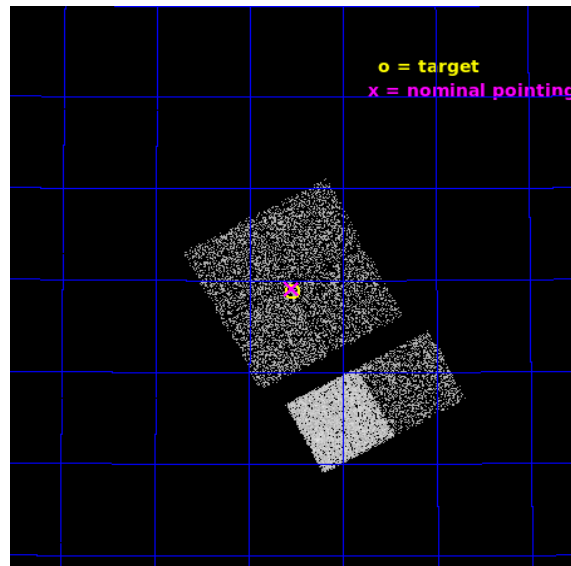
L2 Processing Date : Sep 24 2020

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1 Front

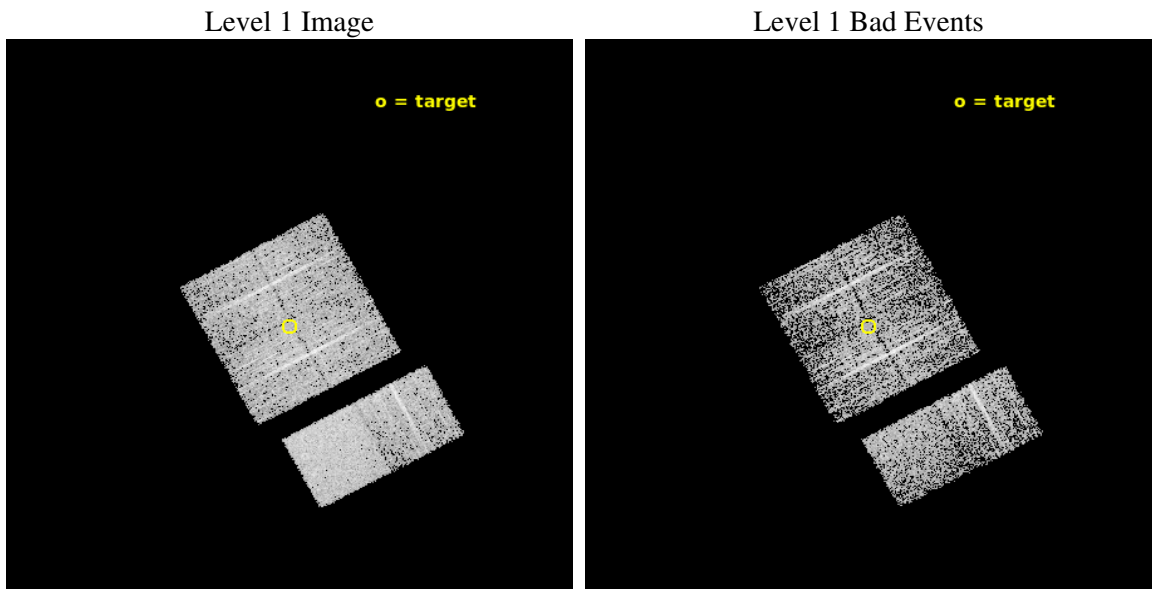
seq_num	200284	Sequence number
obs_id	5176	Observation id
title	Alternate - Search for beta Pic analogs extension	Proposal title
observer	Gordon Garmire	Principal investigator
object	eta UMa	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.885833	Observer's specified target RA [deg]
dec_targ	49.313333	Observer's specified target Dec [deg]
ra_nom	206.88614017223	Nominal RA [deg]
dec_nom	49.318419394274	Nominal Dec [deg]
roll_nom	151.69095959142	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2803.1999895573	Sum of GTIs [s]
liveltime	2767.7041834051	Livetime [s]
ontime0	2803.1999895573	Sum of GTIs [s]
ontime1	2803.1999895573	Sum of GTIs [s]
ontime2	2803.1999895573	Sum of GTIs [s]
ontime3	2803.1999895573	Sum of GTIs [s]
ontime6	2803.1999895573	Sum of GTIs [s]
ontime7	2803.1999895573	Sum of GTIs [s]
l2events	20005	Number of level 2 events



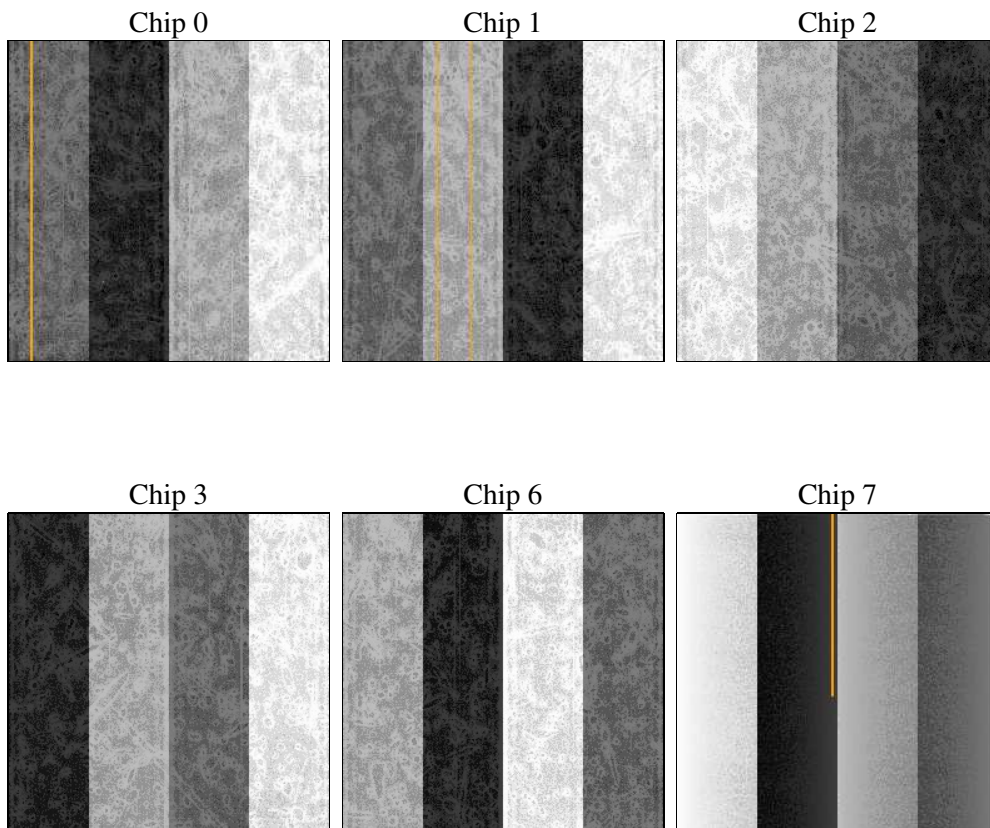
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2803.1999895573	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	2803.1999895573	Sum of GTIs [s]
date	2020-09-24T11:43:30	Date and time of file creation	ontime1	2803.1999895573	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2803.1999895573	Sum of GTIs [s]
			ontime3	2803.1999895573	Sum of GTIs [s]
			ontime6	2803.1999895573	Sum of GTIs [s]
			ontime7	2803.1999895573	Sum of GTIs [s]
			l1events	115348	Number of level 1 events

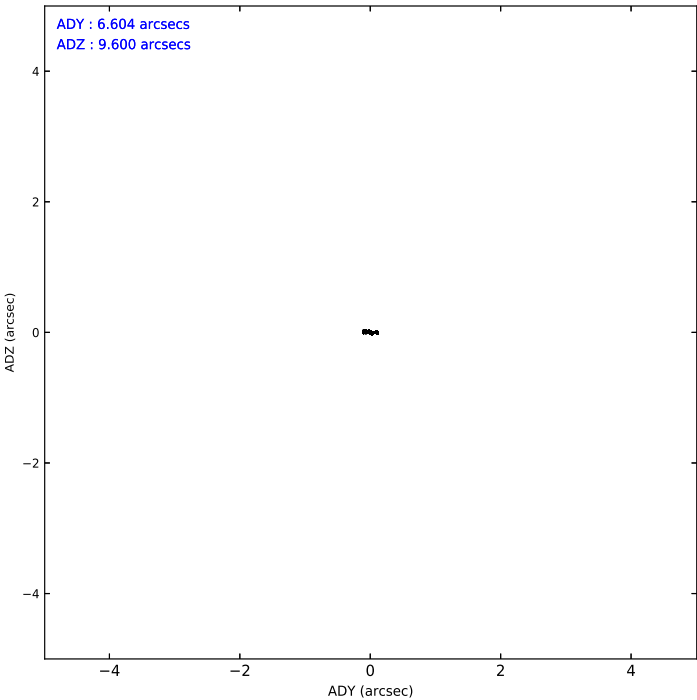
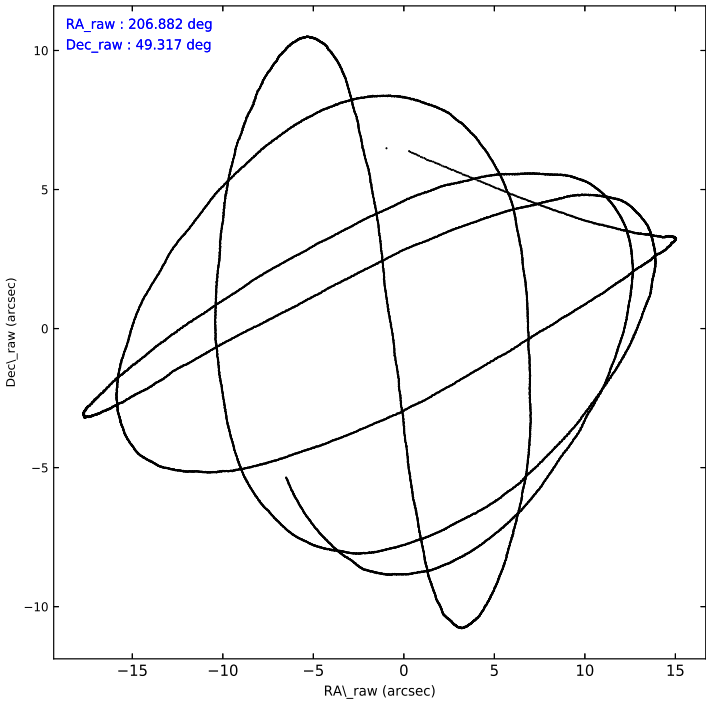
2.1.4 Events

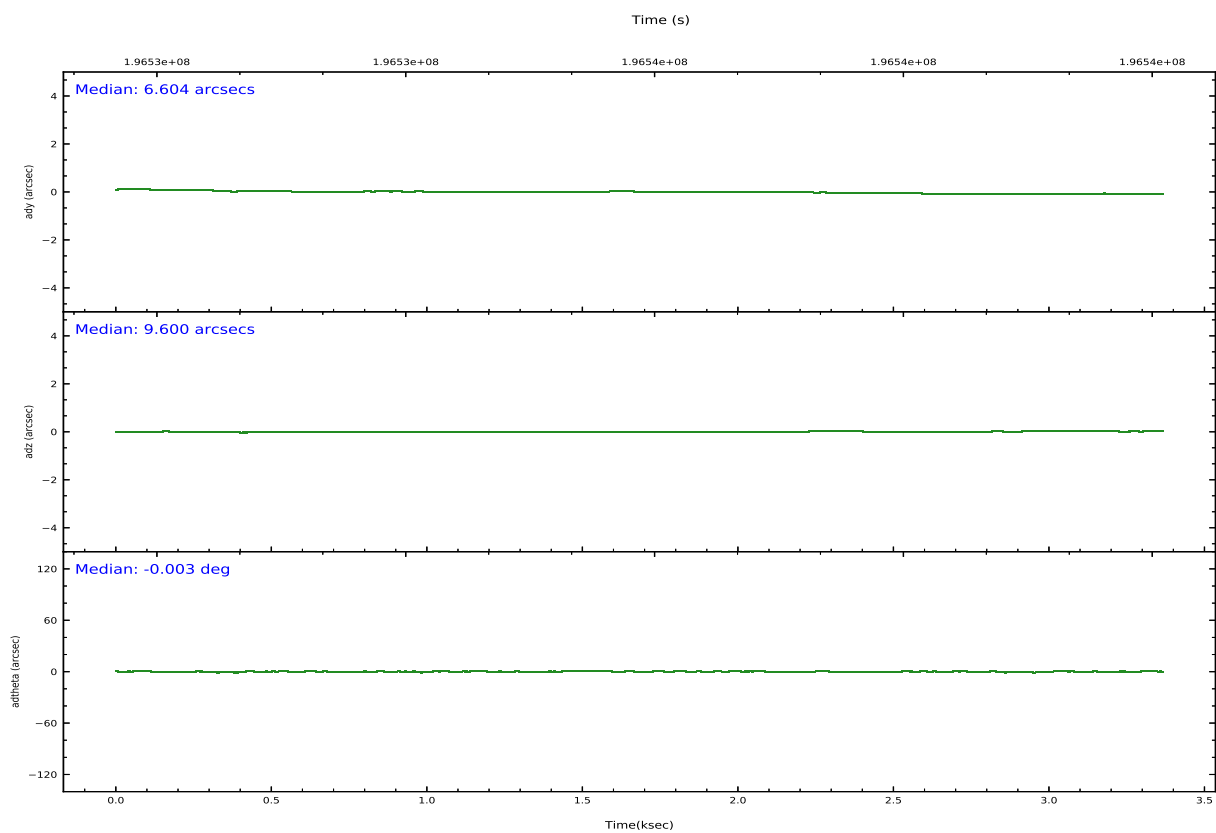
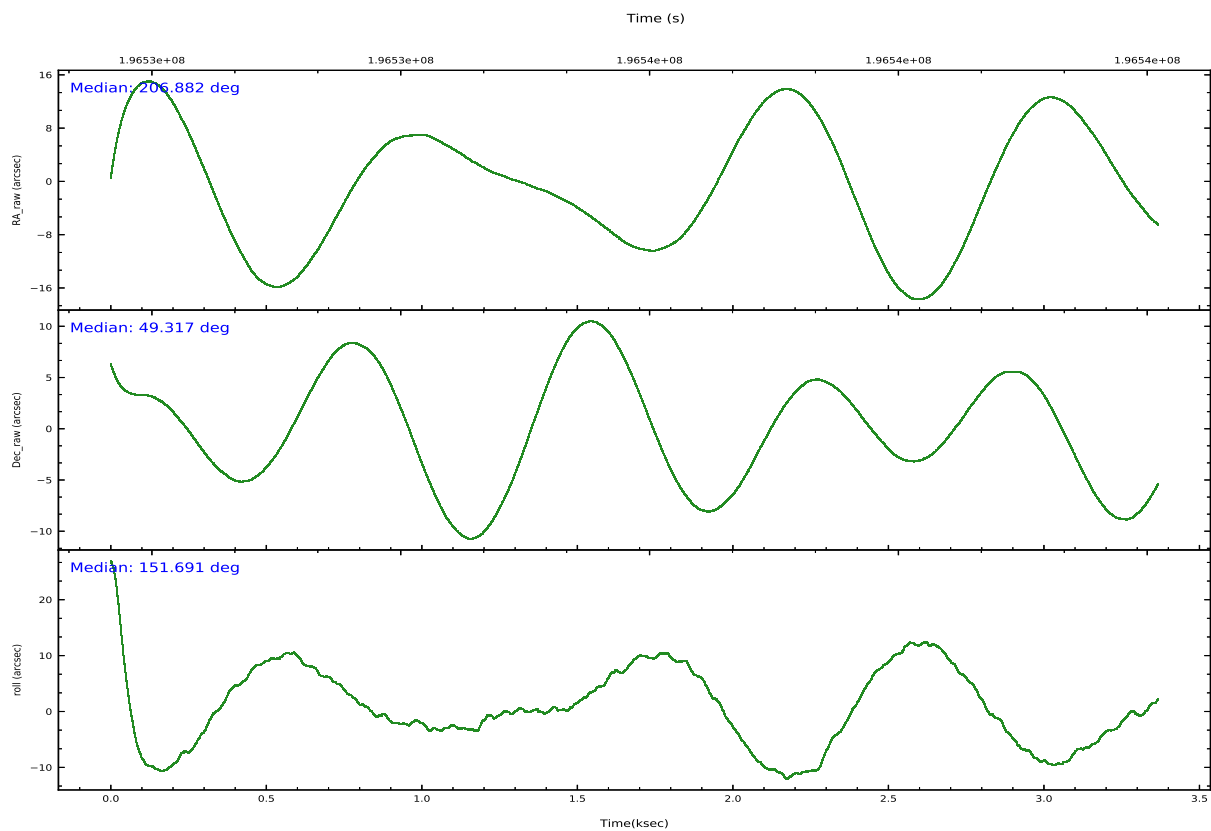
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17125	16557	18040	18994	18655	25977	grade 0 events	940	883	922	1038	852	981
rejected events	14840	14274	15933	16716	16443	15186		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	88%	88%	58%	grade 1 events	8	6	12	15	8	21
								0%	0%	0%	0%	0%	0%
							grade 2 events	479	474	420	412	435	2030
								2%	2%	2%	2%	2%	7%
							grade 3 events	206	232	191	226	206	943
								1%	1%	1%	1%	1%	3%
							grade 4 events	235	241	195	220	212	919
								1%	1%	1%	1%	1%	3%
							grade 5 events	808	791	772	887	891	2436
								4%	4%	4%	4%	4%	9%
							grade 6 events	432	461	384	389	514	5945
								2%	2%	2%	2%	2%	22%
							grade 7 events	14017	13469	15144	15807	15537	12702
								81%	81%	83%	83%	83%	48%

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	206.923366	206.88614017223	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.317859	49.318419394274	Alternating exposures requested	N	N
[deg] Pointing Roll	151.452424	151.69095959142	[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)	196533836.184000	196532771.51411			
Observation start date	2004-03-24T16:42:52	2004-03-24T16:26:11			
[s] Observation end time (MET)	196536836.184000	196537892.41434			
Observation end date	2004-03-24T17:32:52	2004-03-24T17:51:32			
Read mode	TIMED	TIMED			

2.3 Aspect



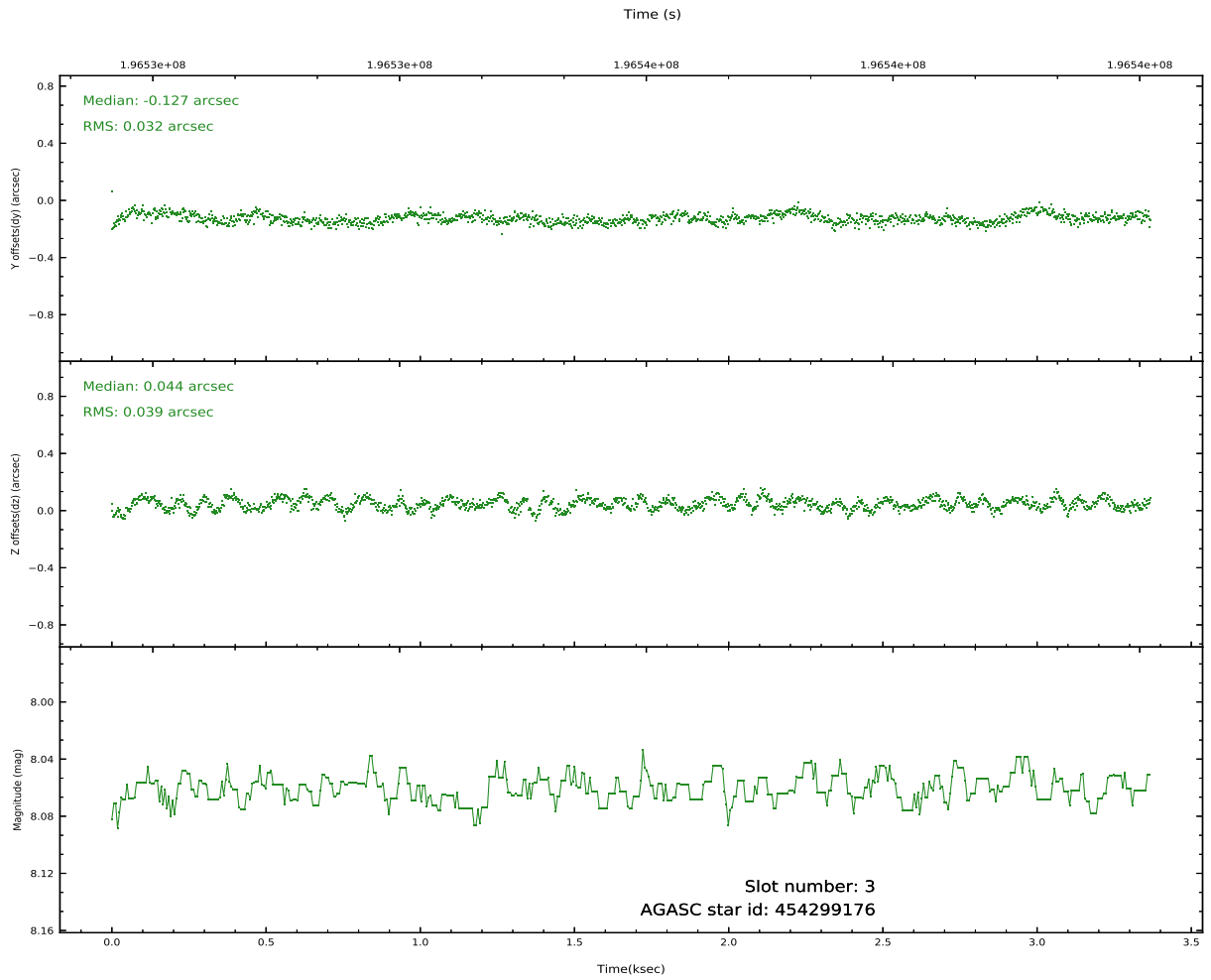
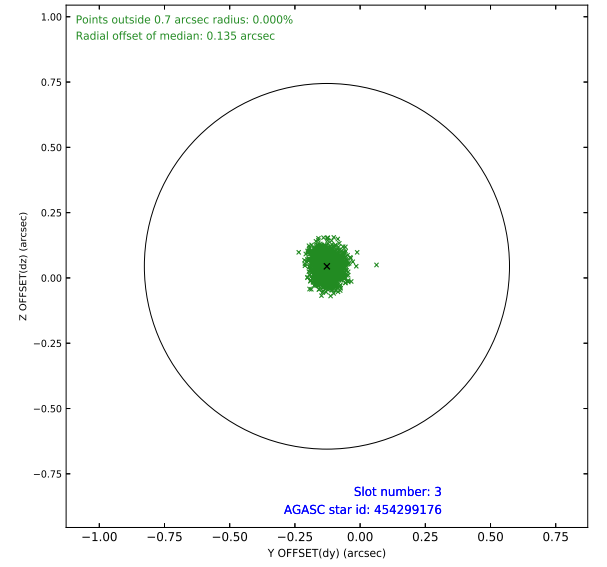
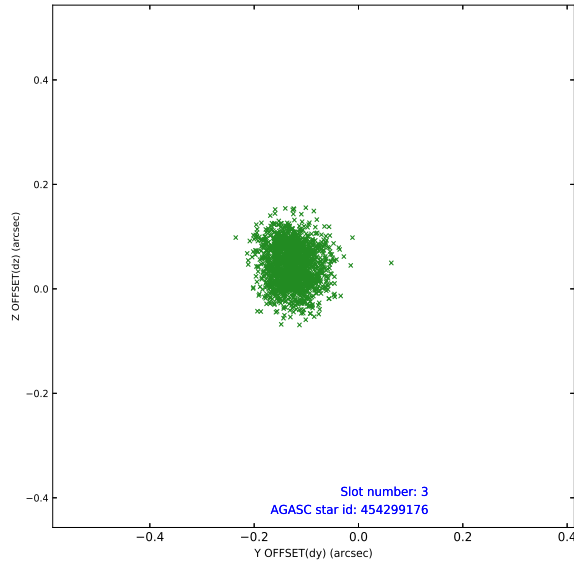


Slot Statistics

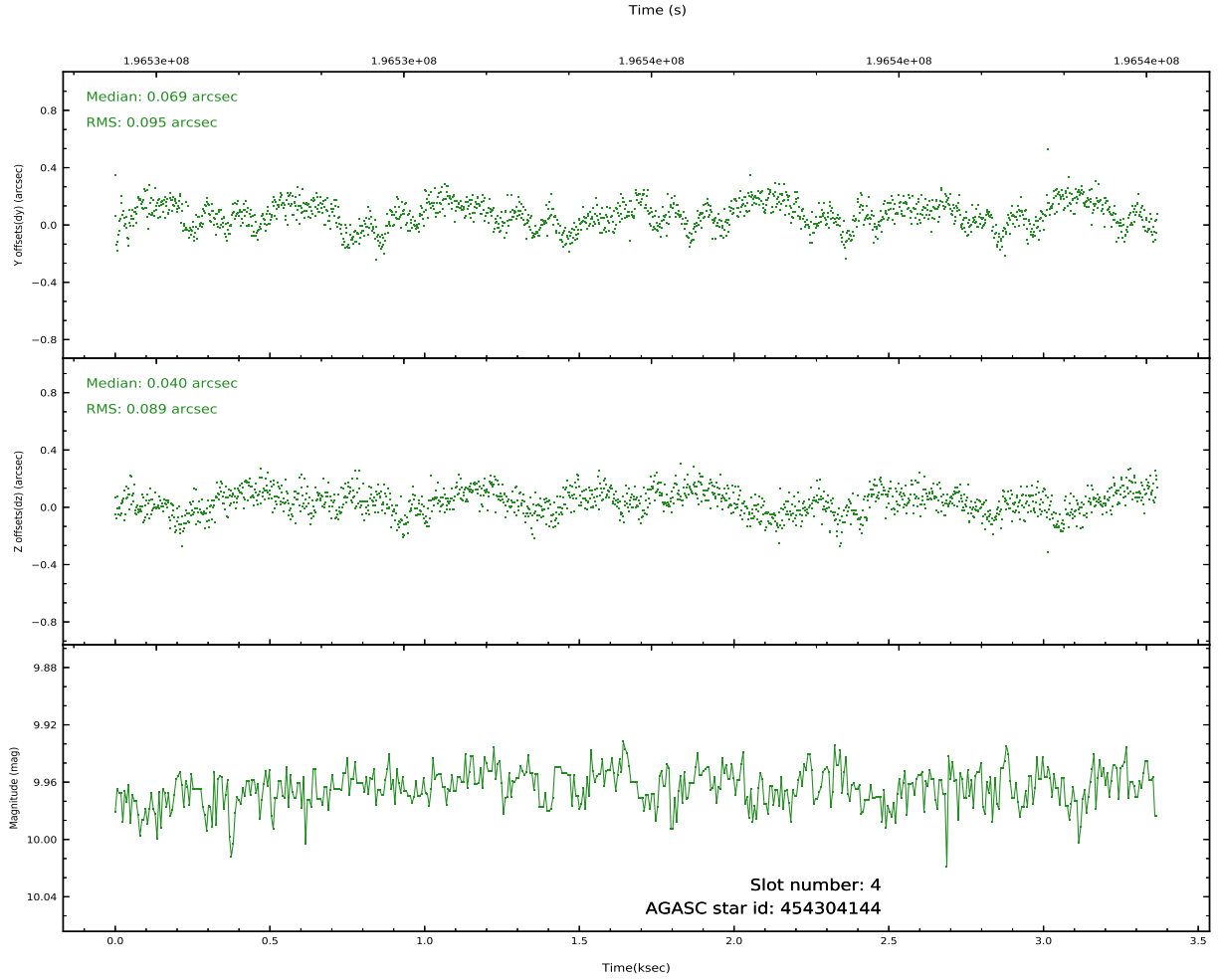
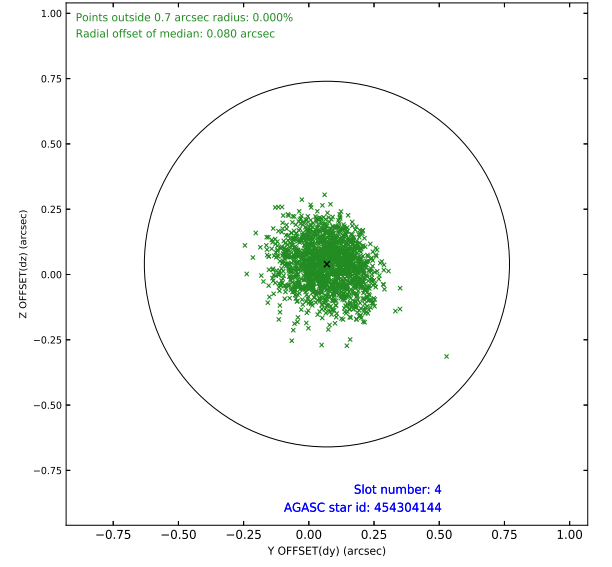
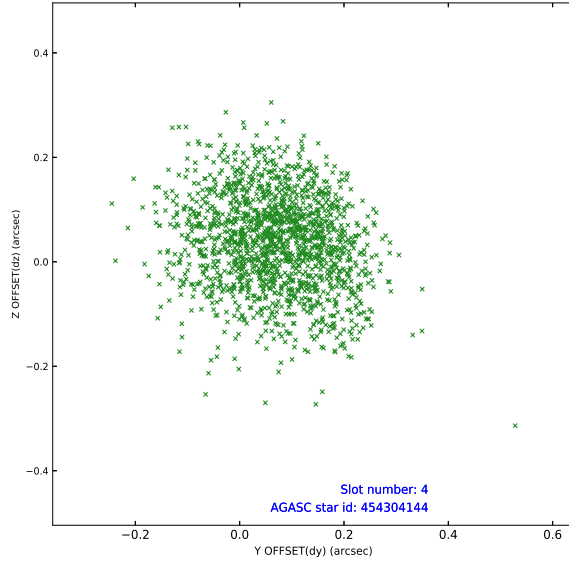
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	822	1.000	0.001	0.020	0.007	0.012	0.000000	0.000000	933.11	-833
1	FID		ACIS-I-5	7.23	822	1.000	-0.178	0.017	0.006	0.010	0.000000	0.000000	-1814.15	1063
2	FID		ACIS-I-6	7.25	822	1.000	0.085	0.034	0.007	0.011	0.000000	0.000000	396.67	1710
3	GUIDE	used	454299176	8.06	1644	1.000	-0.127	0.044	0.054	0.086	205.980064	49.134870	1643.96	1628
4	GUIDE	used	454304144	9.96	1643	1.000	0.069	0.040	0.141	0.223	206.063182	48.933717	1133.25	2178
5	GUIDE	used	454434224	8.18	1644	1.000	0.088	-0.049	0.054	0.089	207.312110	49.402692	-651.37	-704
6	GUIDE	used	454435816	9.85	1644	1.000	0.055	-0.052	0.109	0.175	207.191689	48.578705	-1832.53	2030
7	GUIDE	used	454433840	10.30	1641	1.000	-0.087	0.012	0.160	0.268	208.286786	49.596141	-2302.18	-2424

2.4 Star Slots

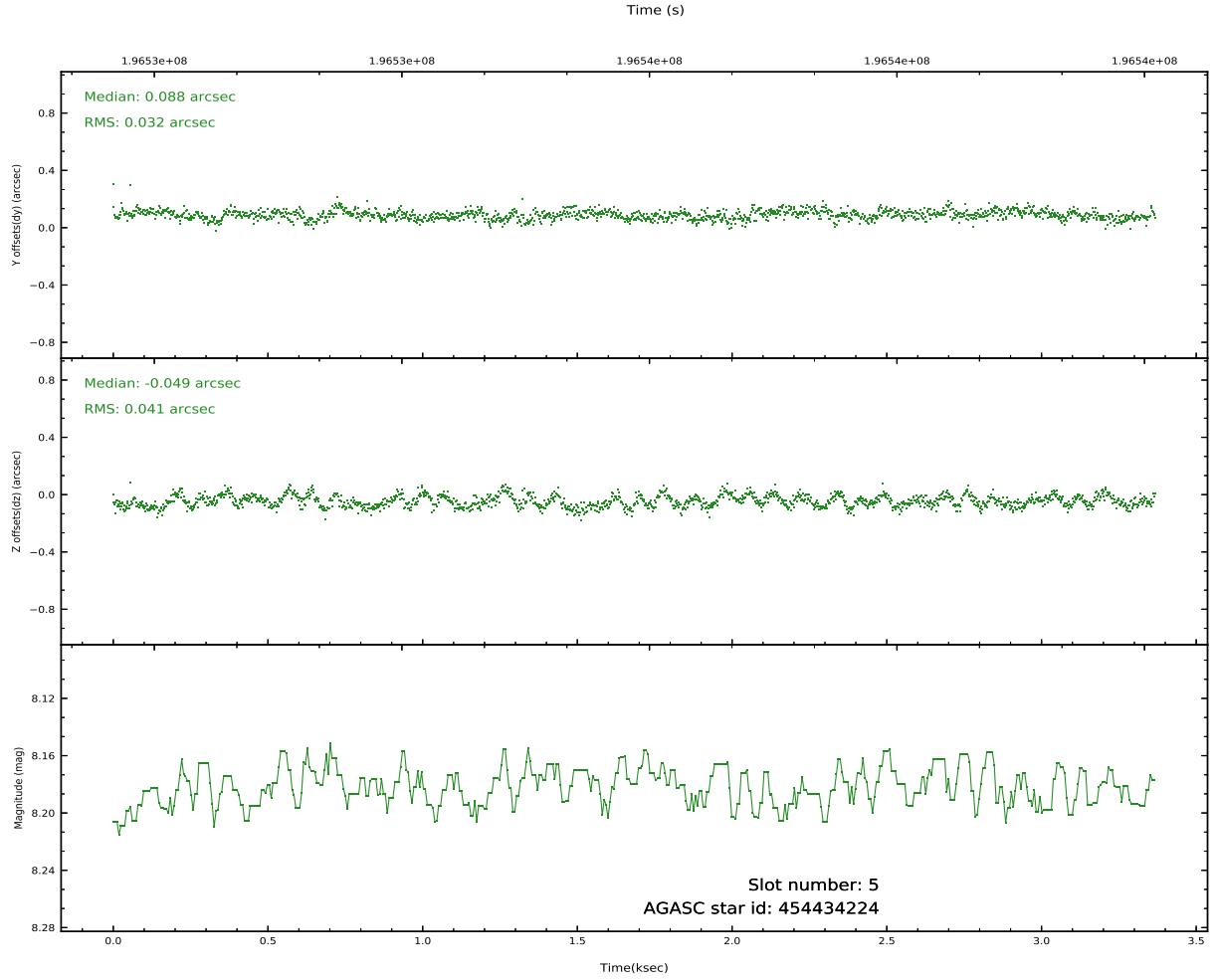
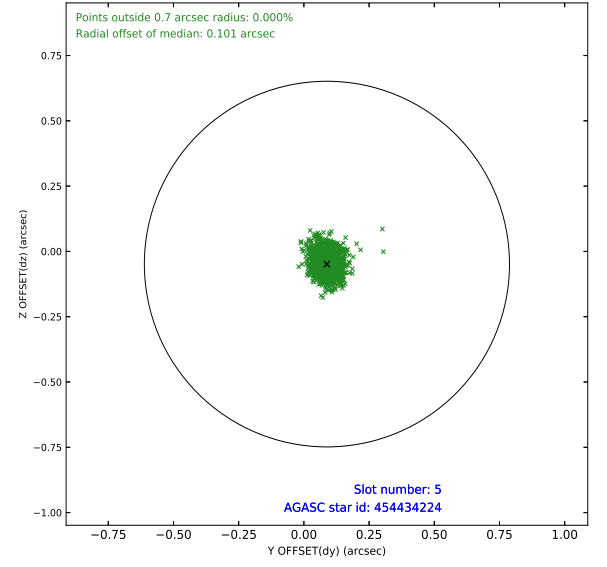
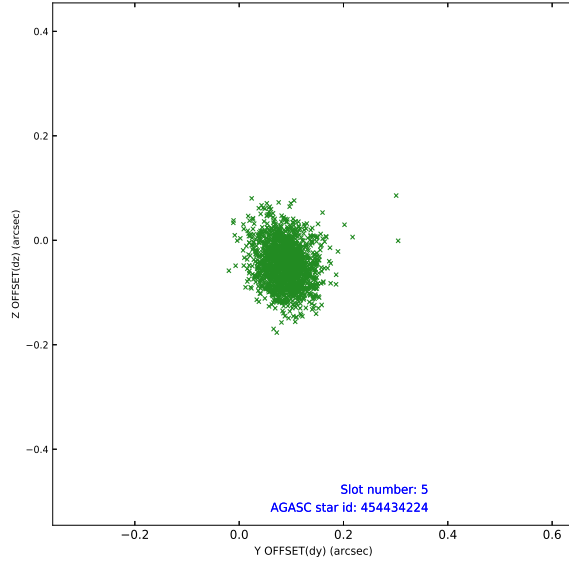
2.4.1 Slot 3



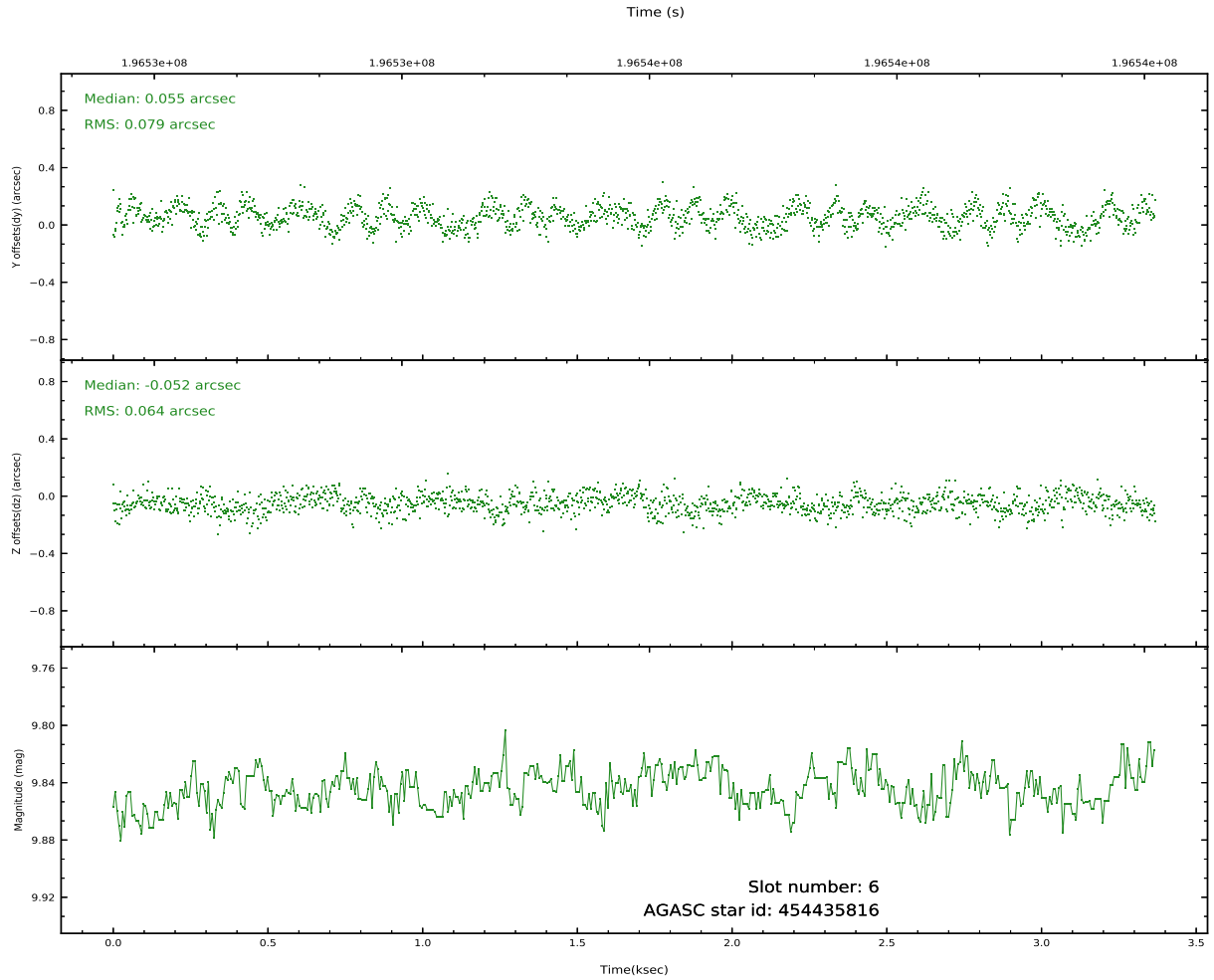
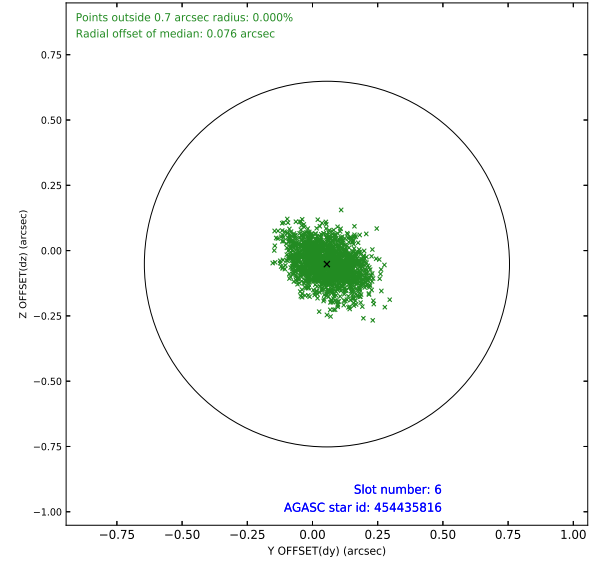
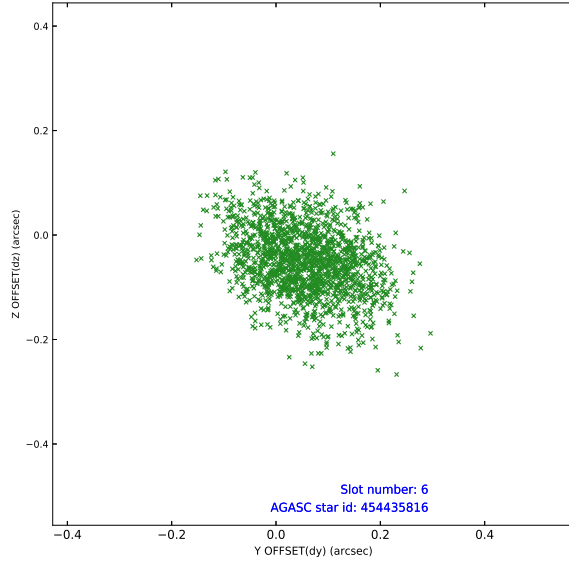
2.4.2 Slot 4



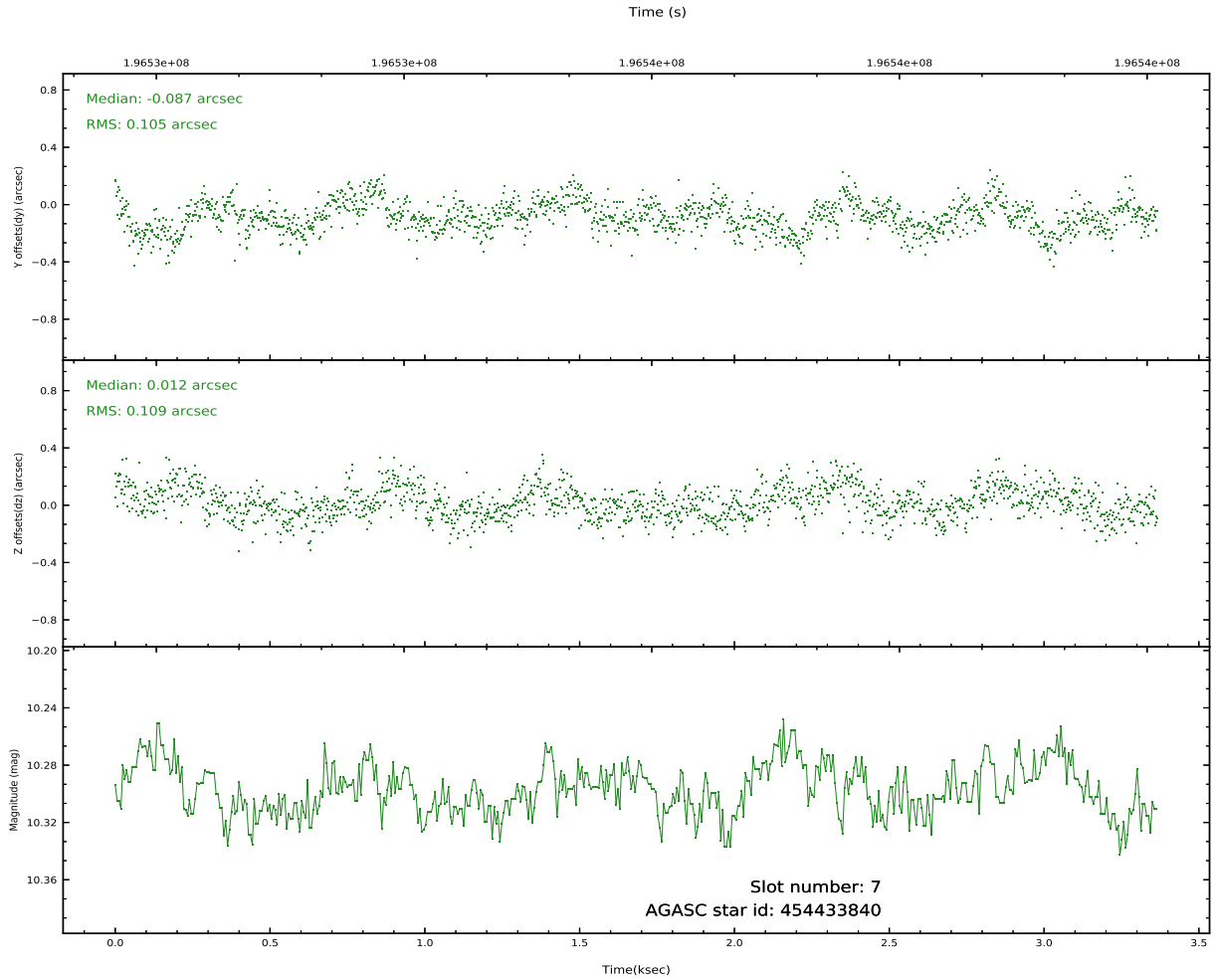
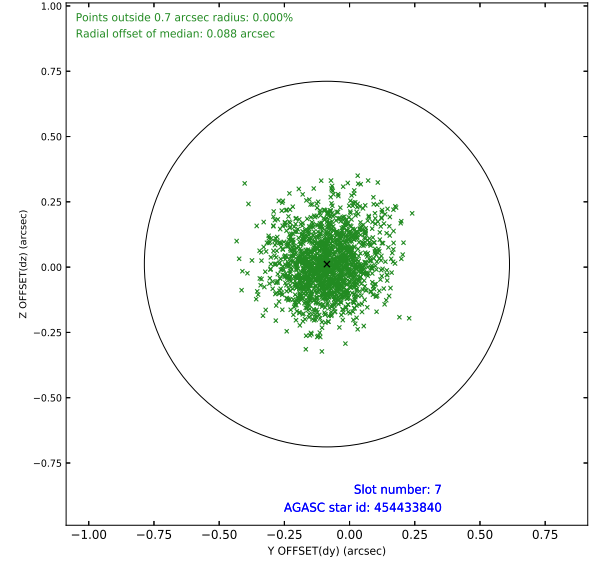
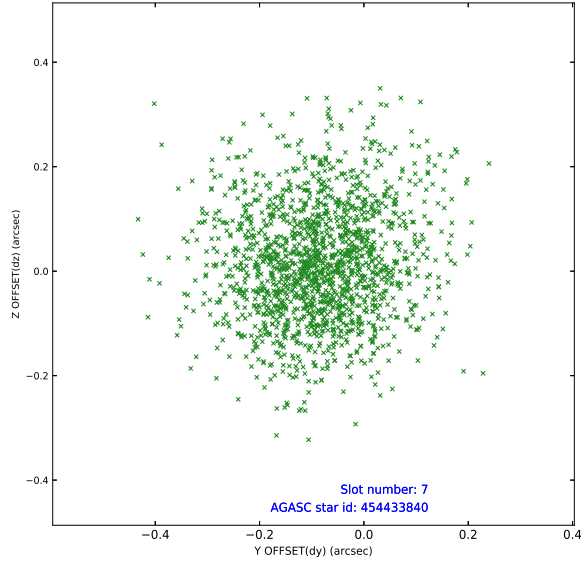
2.4.3 Slot 5



2.4.4 Slot 6

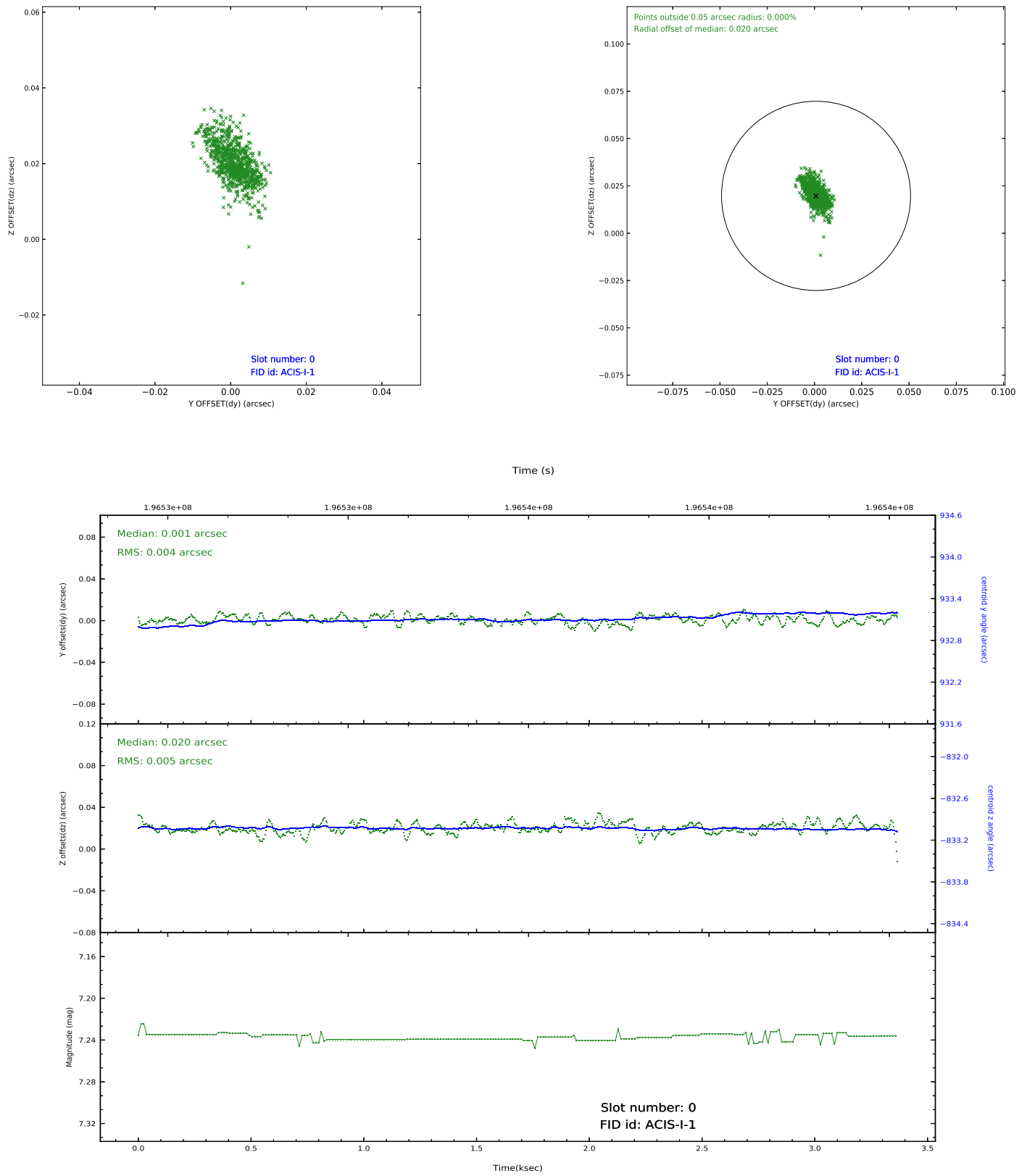


2.4.5 Slot 7

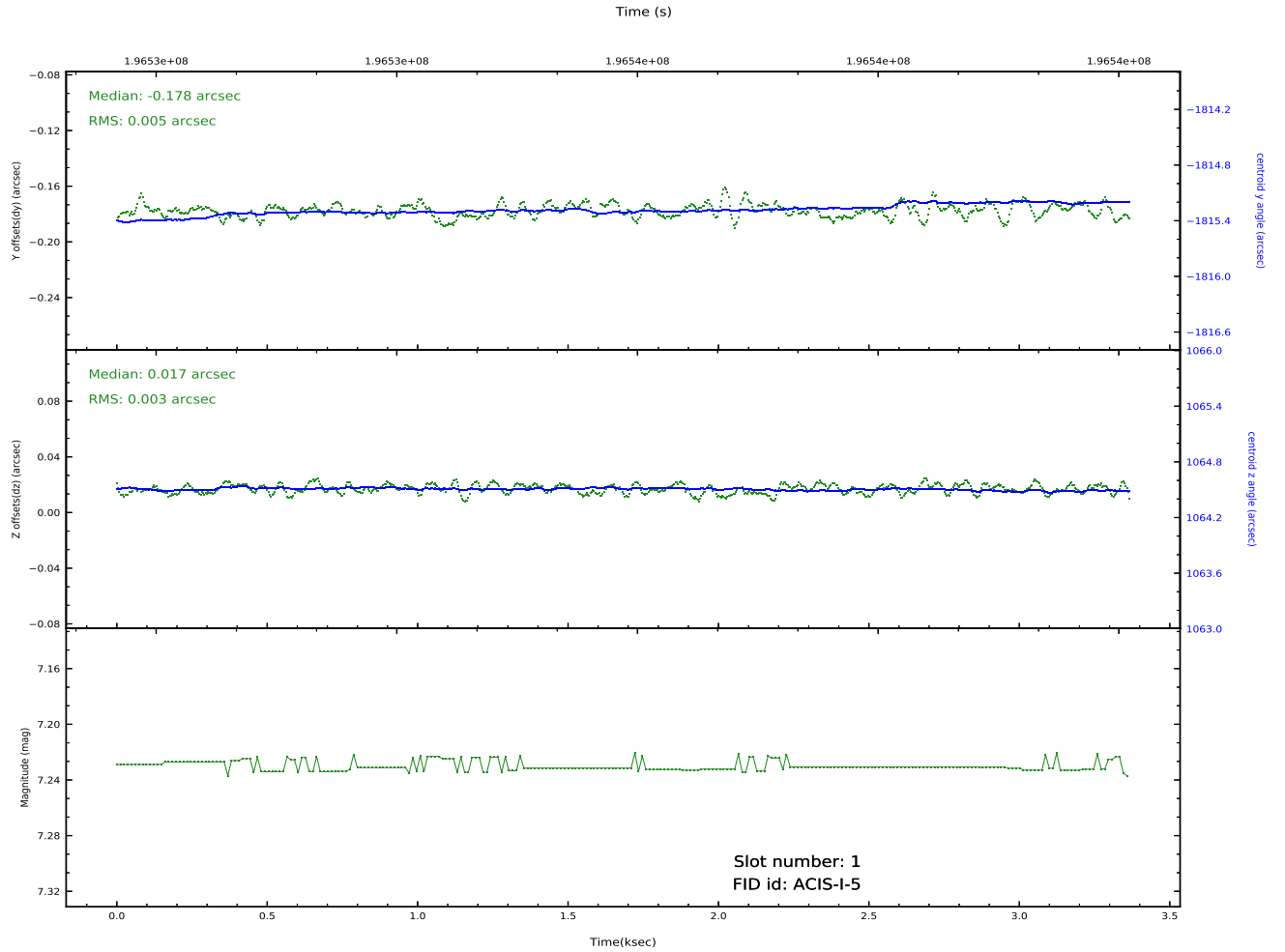
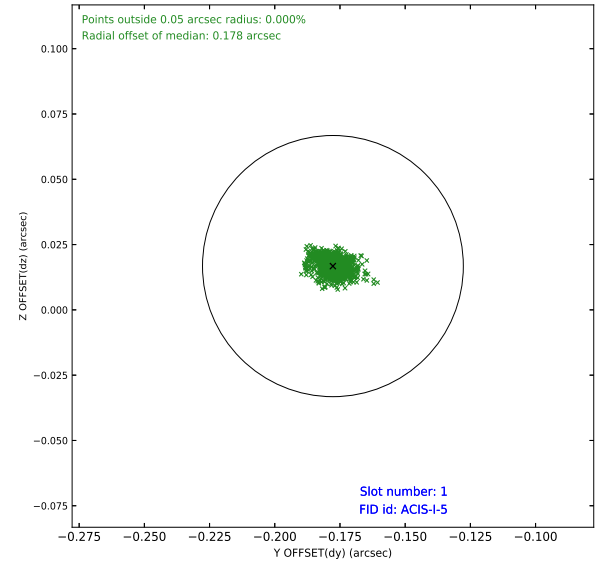
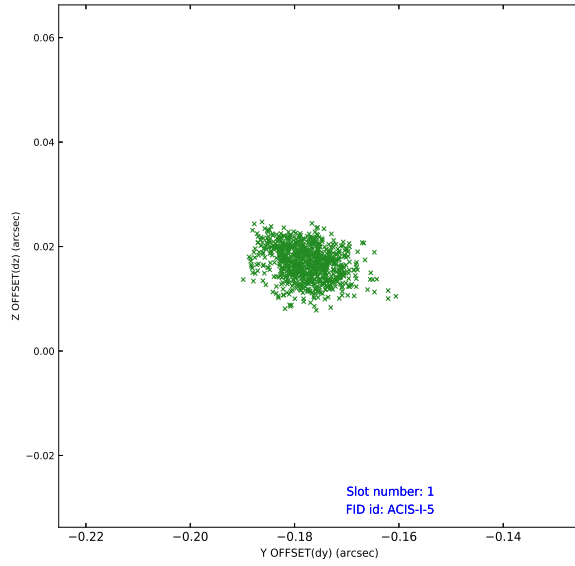


2.5 FID Slots

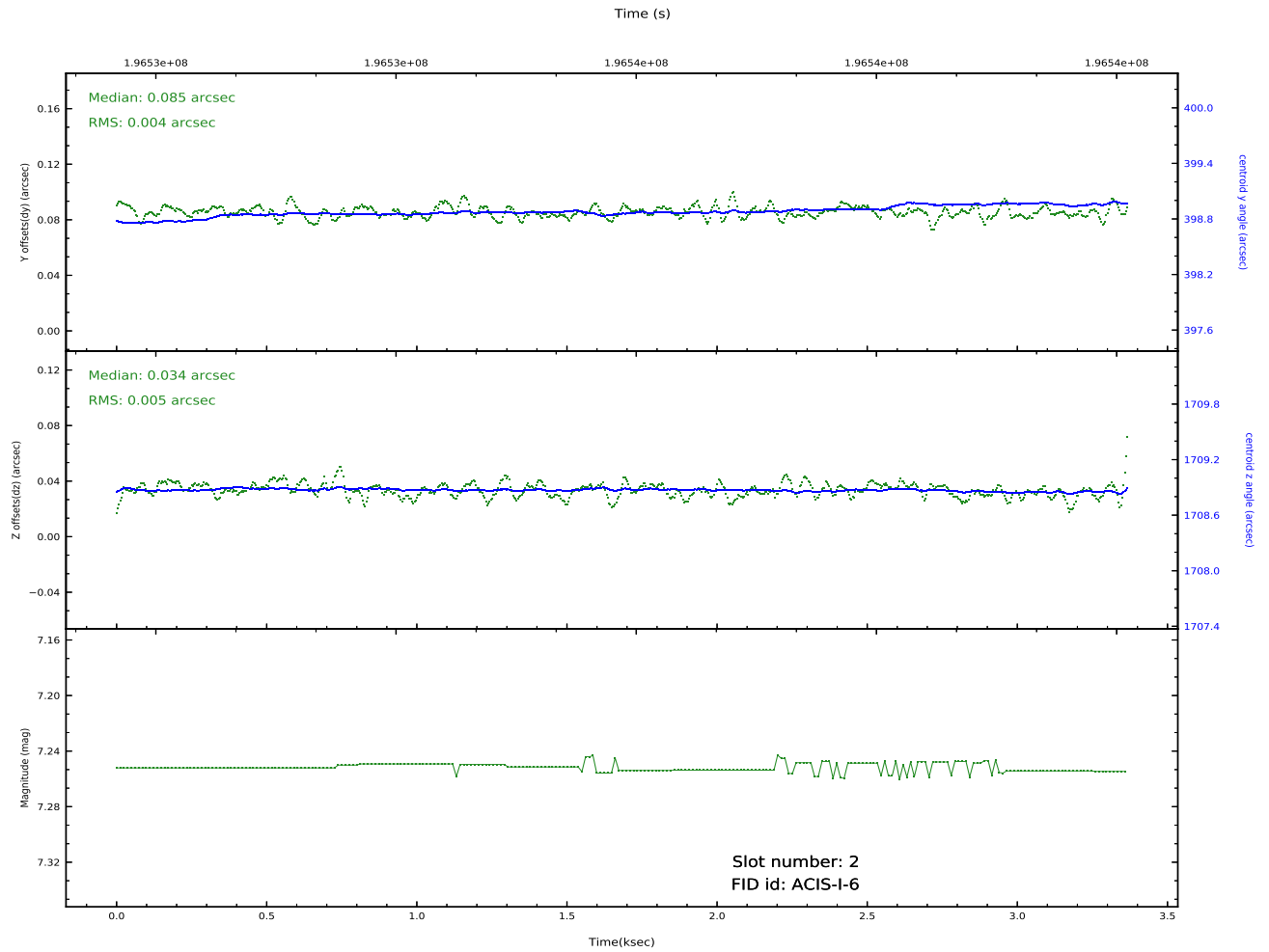
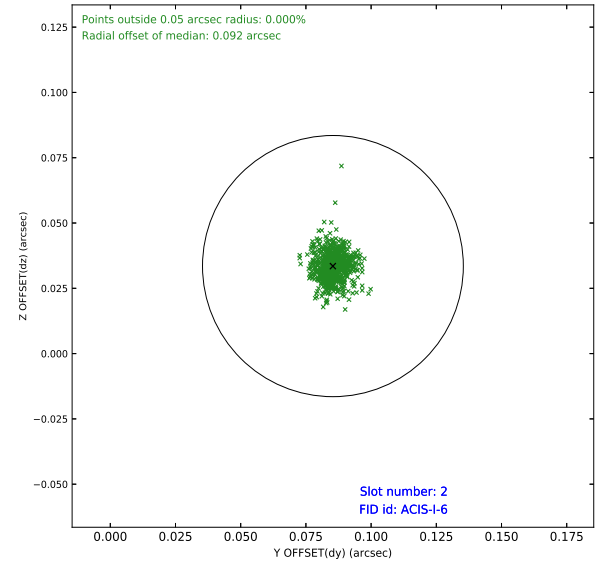
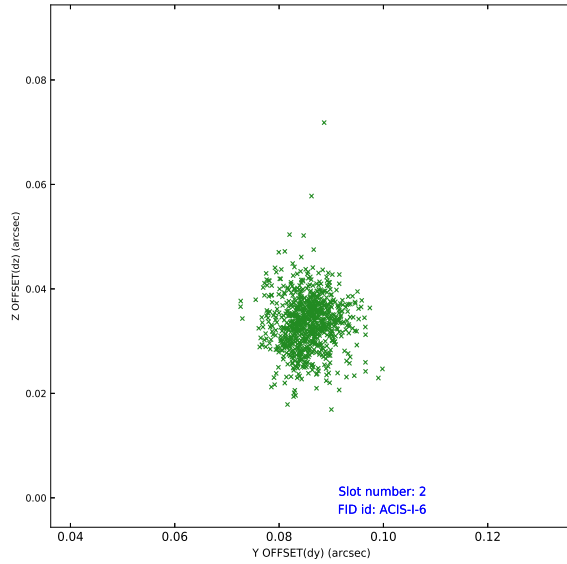
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.806

A.2 Comments