

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7132 - L2 Version 3
Chandra X-Ray Center

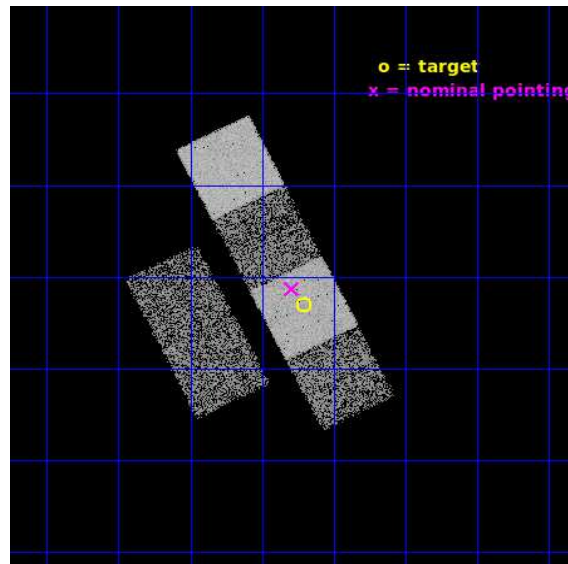
L2 Processing Date : Oct 11 2020

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1 Front

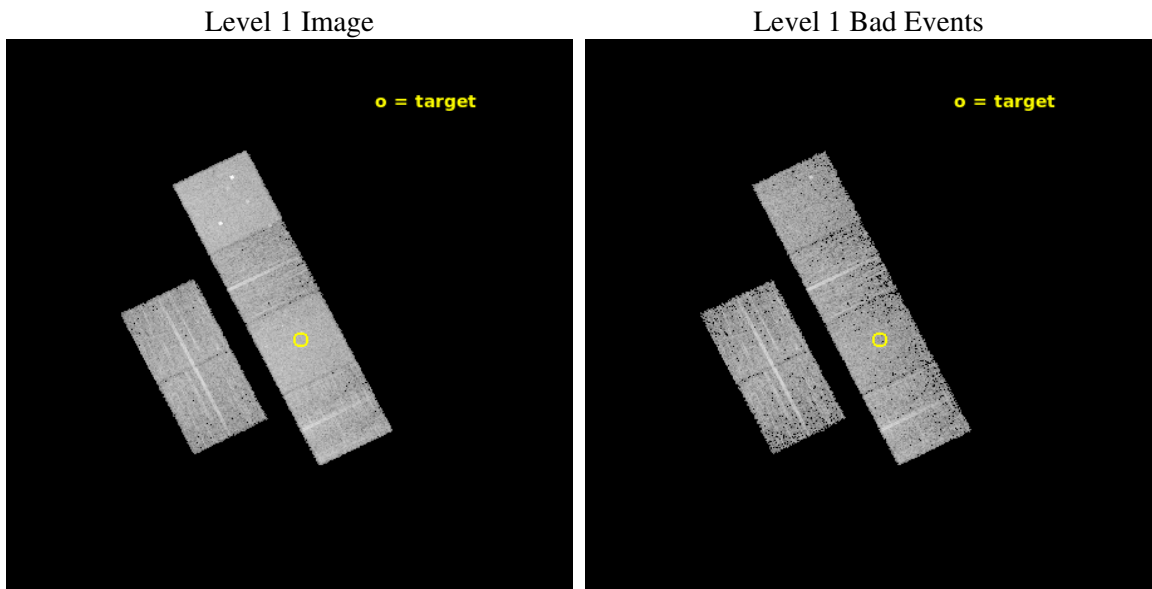
seq_num	600570	Sequence number
obs_id	7132	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	UGC 08041	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.8025	Observer's specified target RA [deg]
dec_targ	0.116694	Observer's specified target Dec [deg]
ra_nom	193.82311363478	Nominal RA [deg]
dec_nom	0.1455140462329	Nominal Dec [deg]
roll_nom	63.358012123947	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4793.5999821424	Sum of GTIs [s]
livetime	4732.9005328092	Livetime [s]
ontime2	4793.5999821424	Sum of GTIs [s]
ontime3	4793.5999821424	Sum of GTIs [s]
ontime5	4793.5999821424	Sum of GTIs [s]
ontime6	4793.5999821424	Sum of GTIs [s]
ontime7	4793.5999821424	Sum of GTIs [s]
ontime8	4793.5999821424	Sum of GTIs [s]
l2events	62988	Number of level 2 events



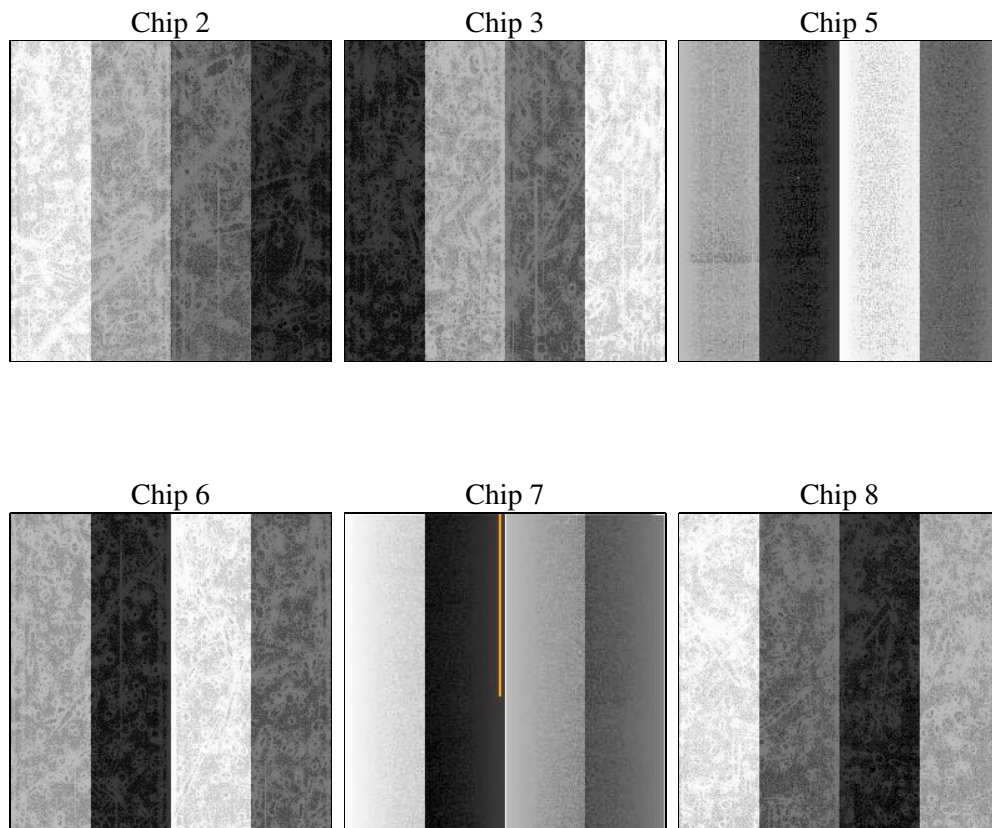
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4840.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4793.5999821424	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4793.5999821424	Sum of GTIs [s]
date	2020-10-11T17:41:54	Date and time of file creation	ontime3	4793.5999821424	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4793.5999821424	Sum of GTIs [s]
			ontime6	4793.5999821424	Sum of GTIs [s]
			ontime7	4793.5999821424	Sum of GTIs [s]
			ontime8	4793.5999821424	Sum of GTIs [s]
			l1events	276167	Number of level 1 events

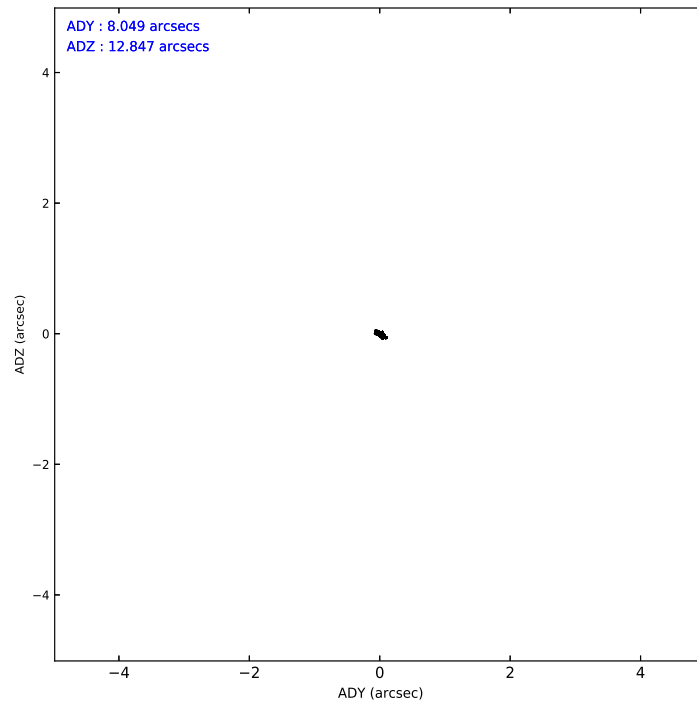
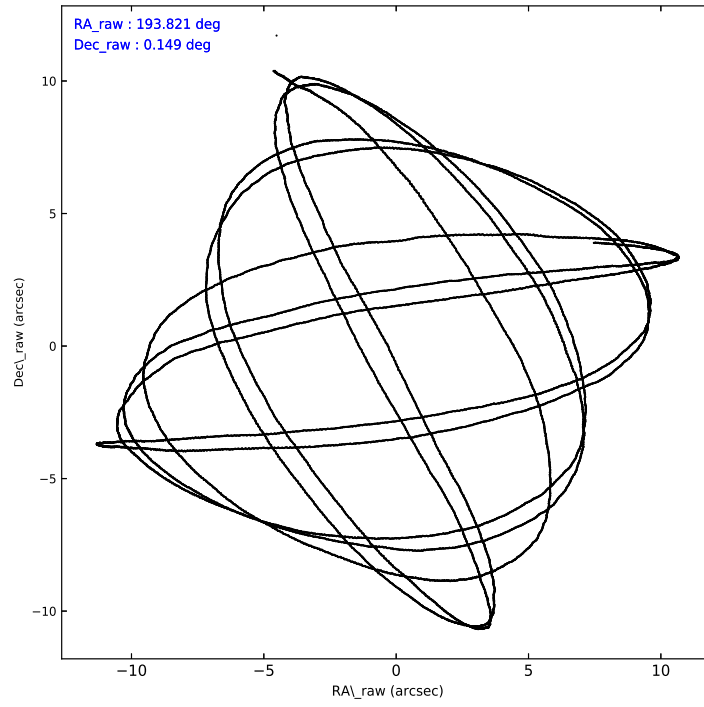
2.1.4 Events

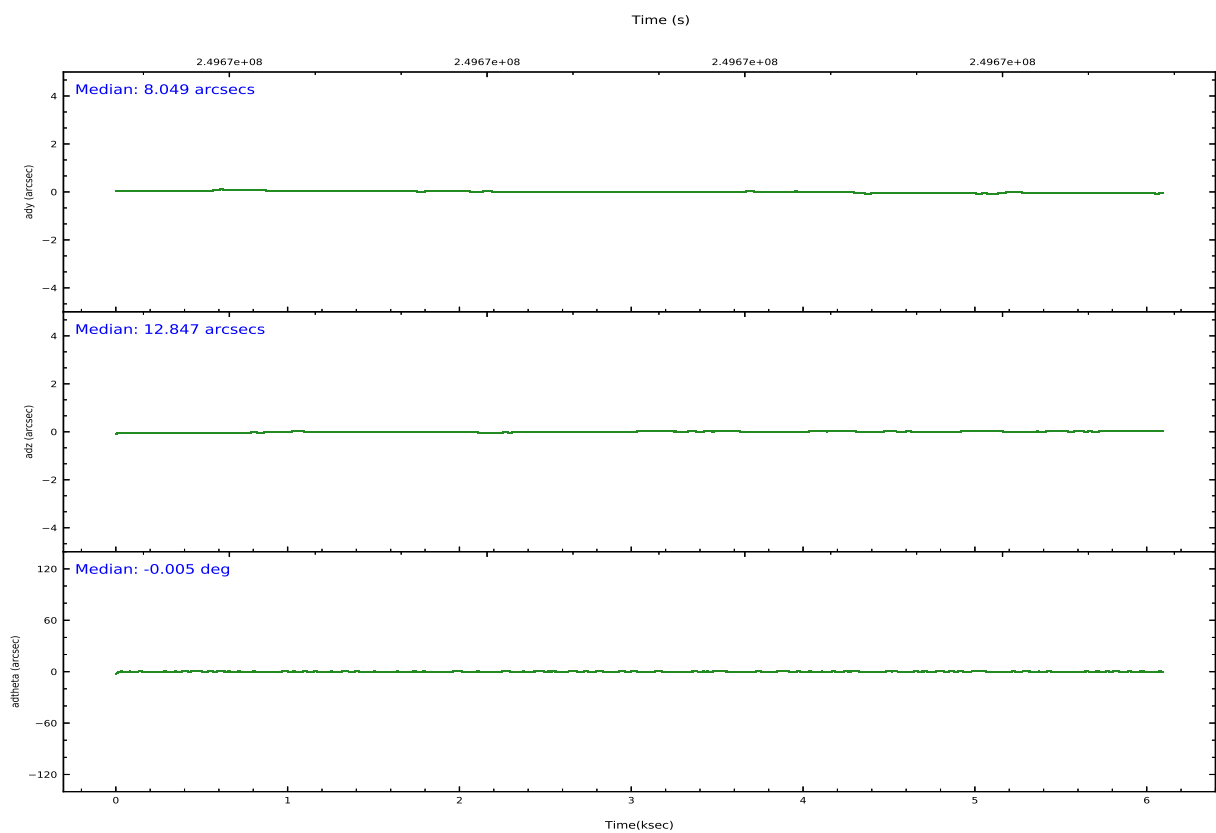
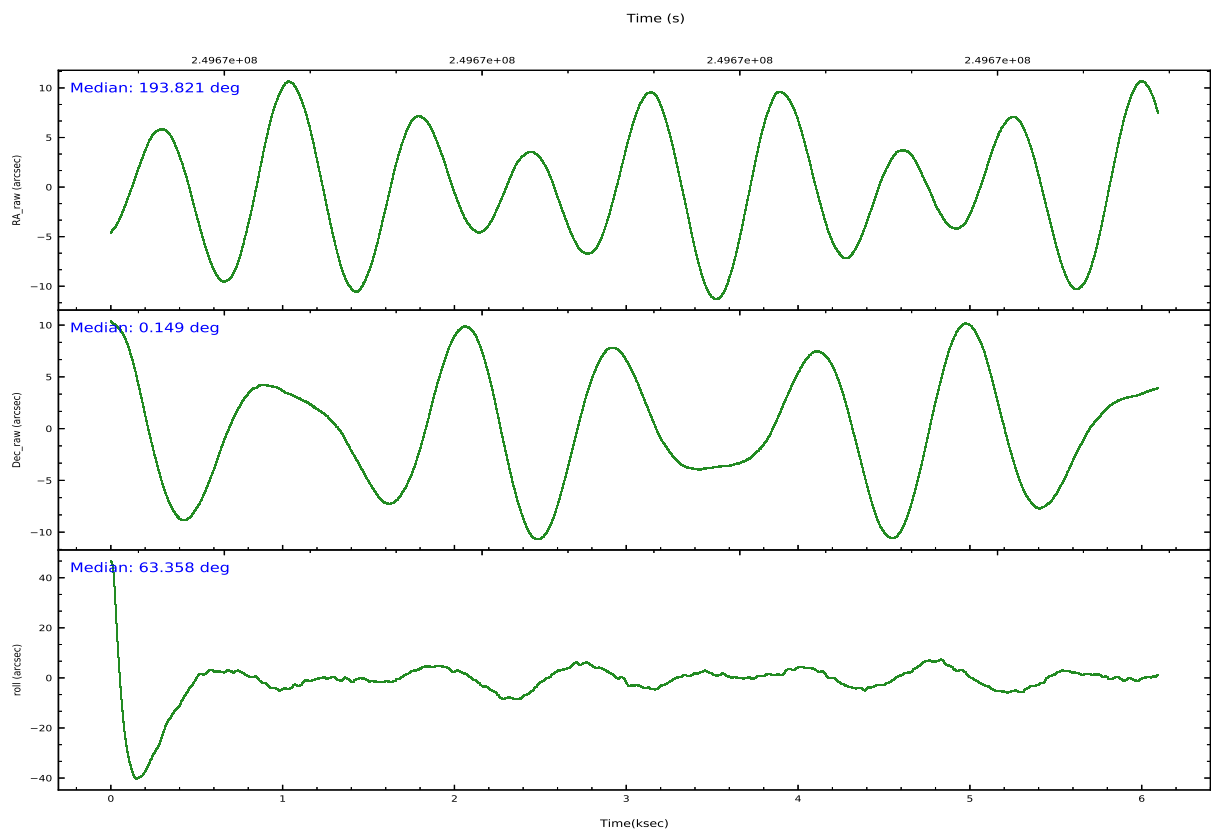
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39750	37403	59707	38800	53542	46965	grade 0 events	2063	1992	2870	1866	2049	3365
rejected events	35164	32891	32046	34175	31341	36752		5%	5%	4%	4%	3%	7%
rejected %	88%	87%	53%	88%	58%	78%	grade 1 events	28	27	95	17	60	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	953	826	8654	983	4430	2260
								2%	2%	14%	2%	8%	4%
							grade 3 events	408	453	1026	445	2026	1010
								1%	1%	1%	1%	3%	2%
							grade 4 events	418	416	1022	403	1907	983
								1%	1%	1%	1%	3%	2%
							grade 5 events	1564	1762	4259	1767	5054	2258
								3%	4%	7%	4%	9%	4%
							grade 6 events	754	834	14117	936	11814	2603
								1%	2%	23%	2%	22%	5%
							grade 7 events	33562	31093	27664	32383	26202	34446
								84%	83%	46%	83%	48%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	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	193.822794	193.82311363478	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.122135	0.1455140462329	Alternating exposures requested	N	N
[deg] Pointing Roll	63.210400	63.358012123947	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249670594.184000	249669096.27428			
Observation start date	2005-11-29T16:55:30	2005-11-29T16:31:36			
[s] Observation end time (MET)	249675434.184000	249676664.36213			
Observation end date	2005-11-29T18:16:10	2005-11-29T18:37:44			
Read mode	TIMED	TIMED			

2.3 Aspect



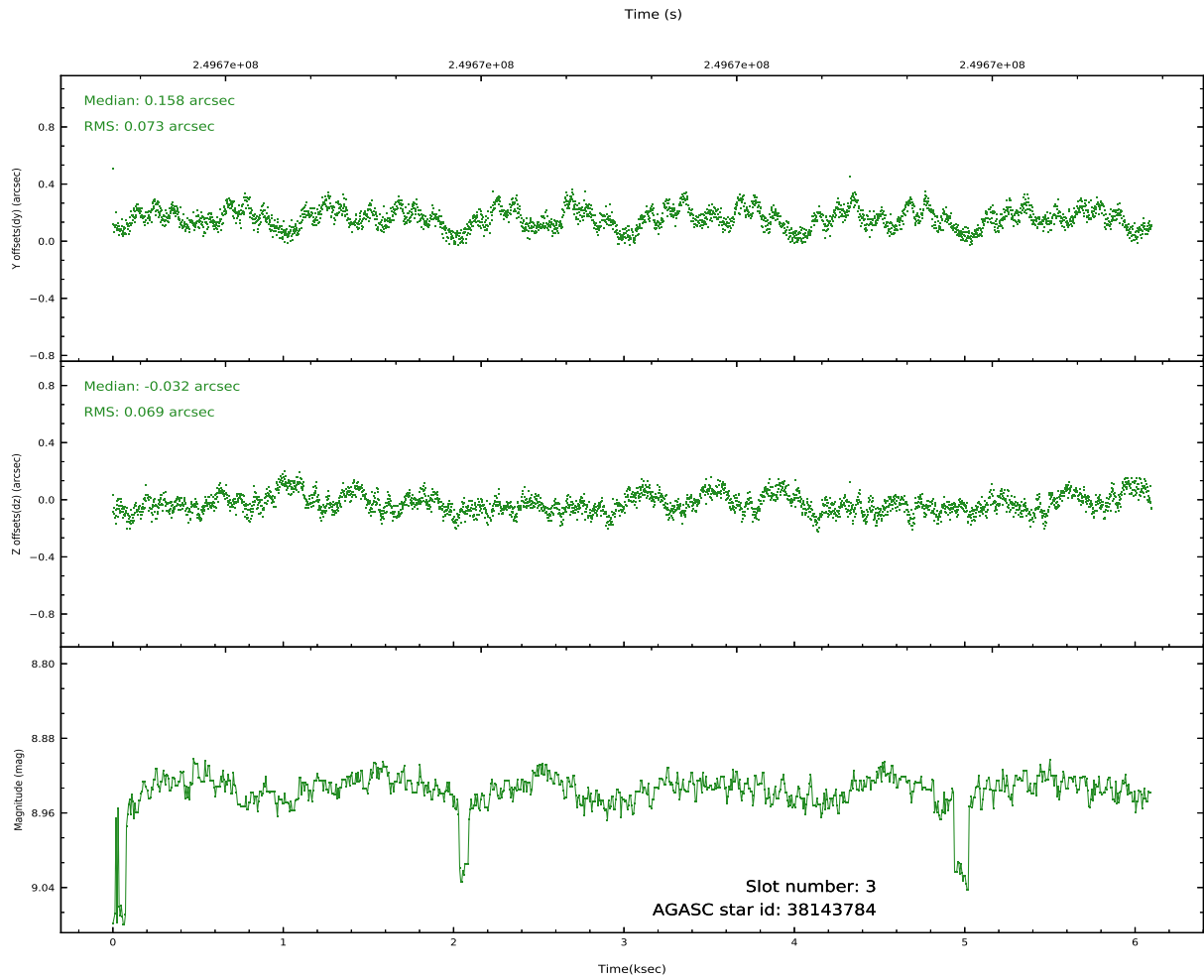
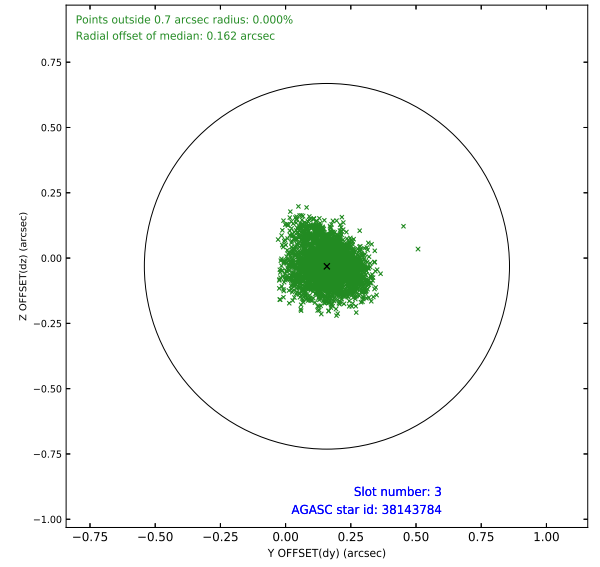
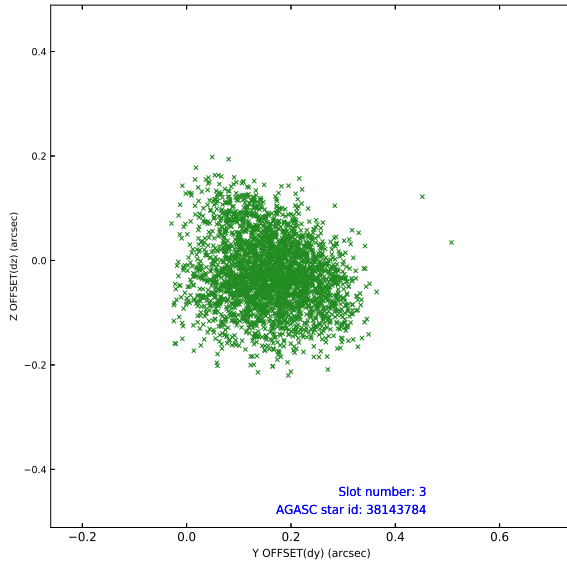


Slot Statistics

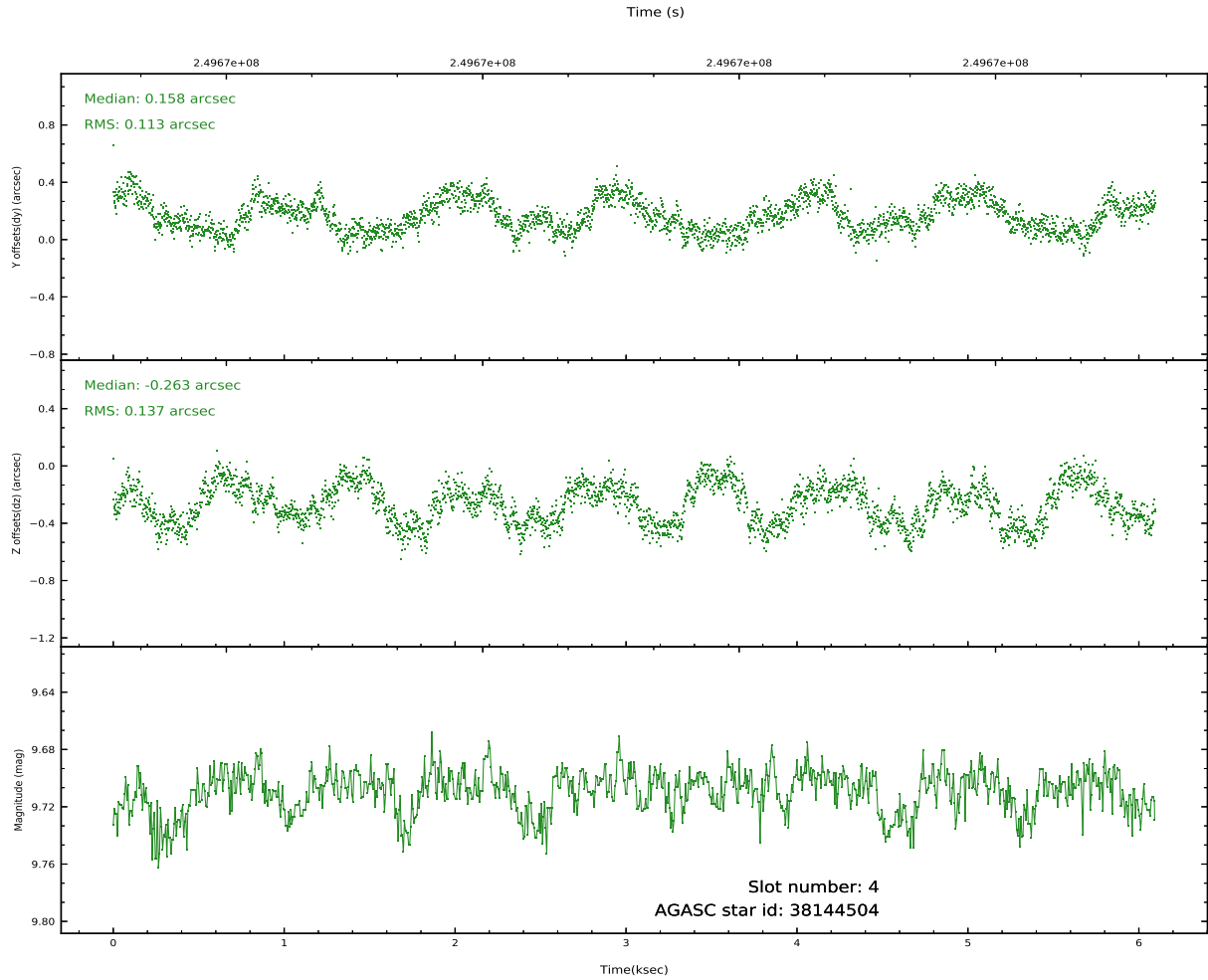
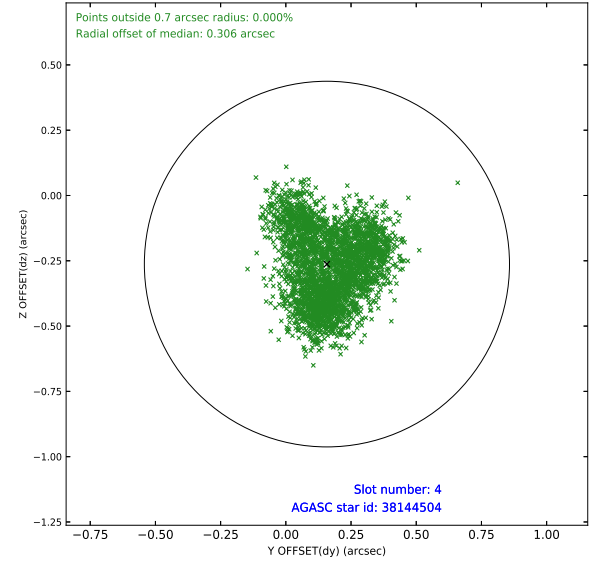
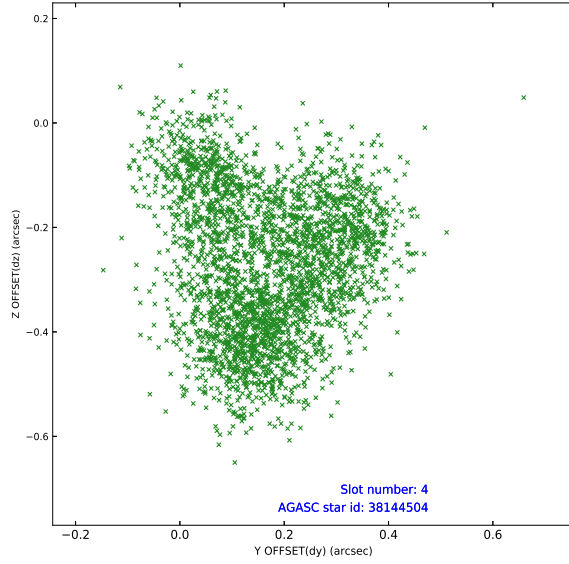
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1487	1.000	-0.034	-0.080	0.007	0.011	0.000000	0.000000	-760.85	-1734
1	FID		ACIS-S-4	7.19	1487	1.000	0.150	0.038	0.006	0.011	0.000000	0.000000	2152.16	173
2	FID		ACIS-S-5	7.23	1487	1.000	-0.147	0.051	0.007	0.012	0.000000	0.000000	-1812.57	168
3	GUIDE	used	38143784	8.93	2962	1.000	0.158	-0.032	0.110	0.171	193.400187	0.111428	-719.99	1340
4	GUIDE	used	38144504	9.71	2971	1.000	0.158	-0.263	0.196	0.285	193.269844	0.333739	-218.13	2121
5	GUIDE	used	38144576	10.14	2967	1.000	-0.099	-0.087	0.225	0.361	193.443543	0.353976	129.00	1595
6	GUIDE	used	38146984	9.85	2972	1.000	-0.147	0.161	0.152	0.247	194.584711	0.324573	1887.54	-2118
7	GUIDE	used	38151360	10.06	2958	1.000	-0.063	0.237	0.140	0.232	194.503938	0.389551	1965.90	-1754

2.4 Star Slots

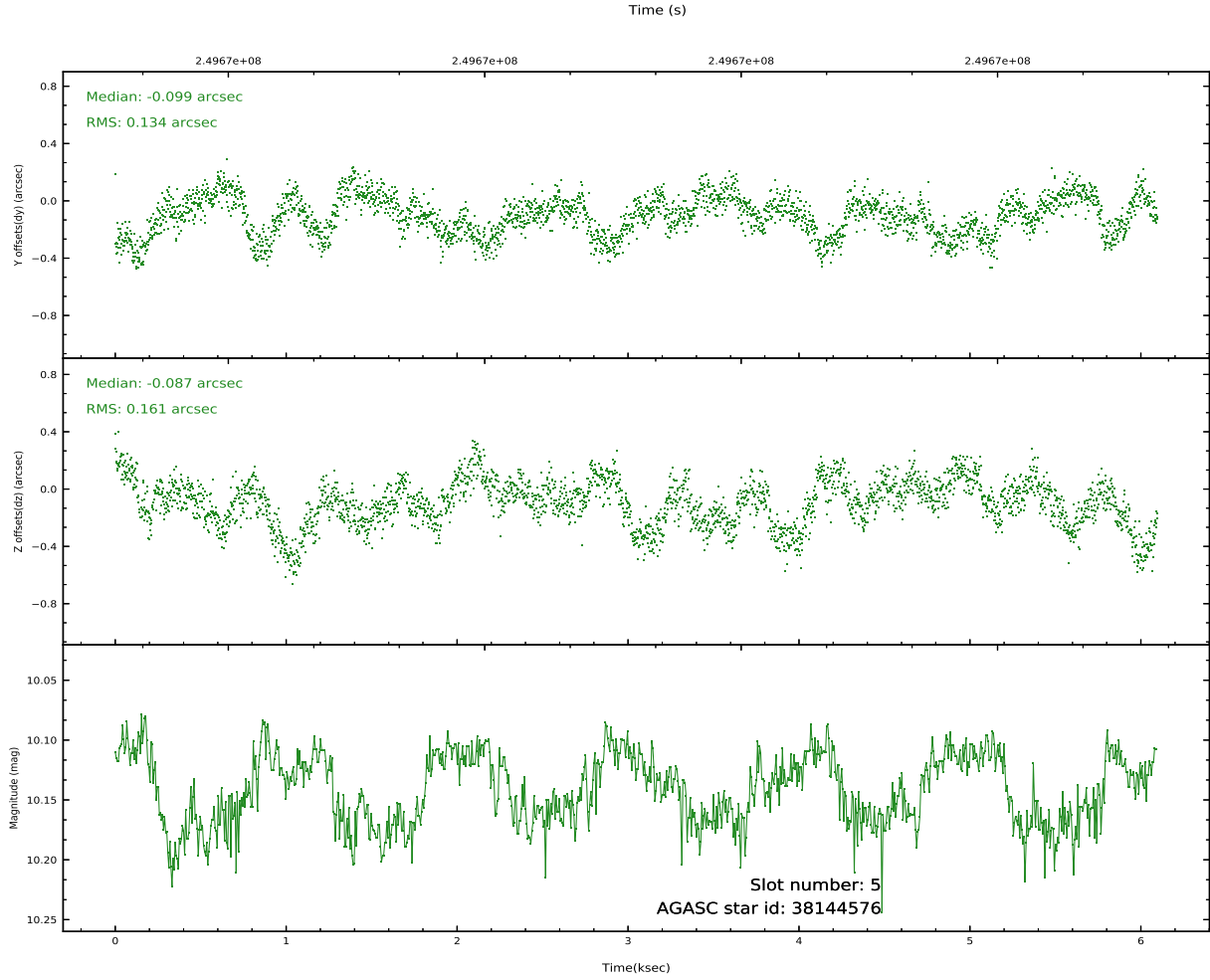
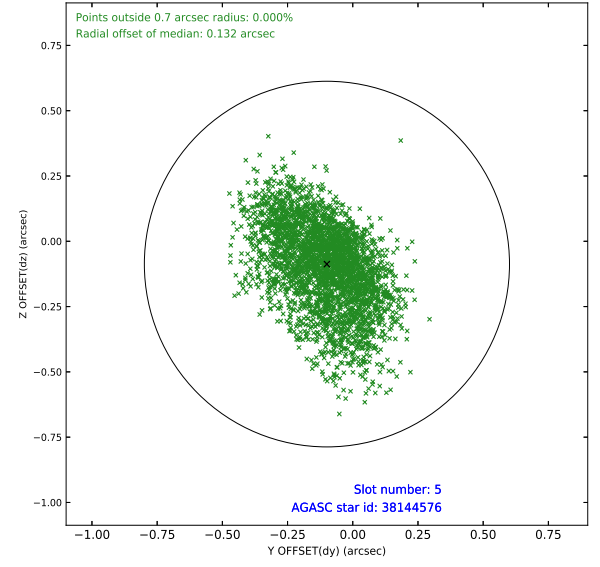
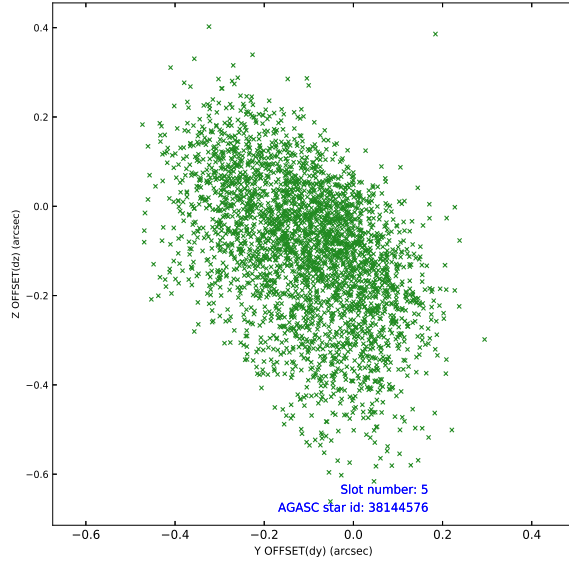
2.4.1 Slot 3



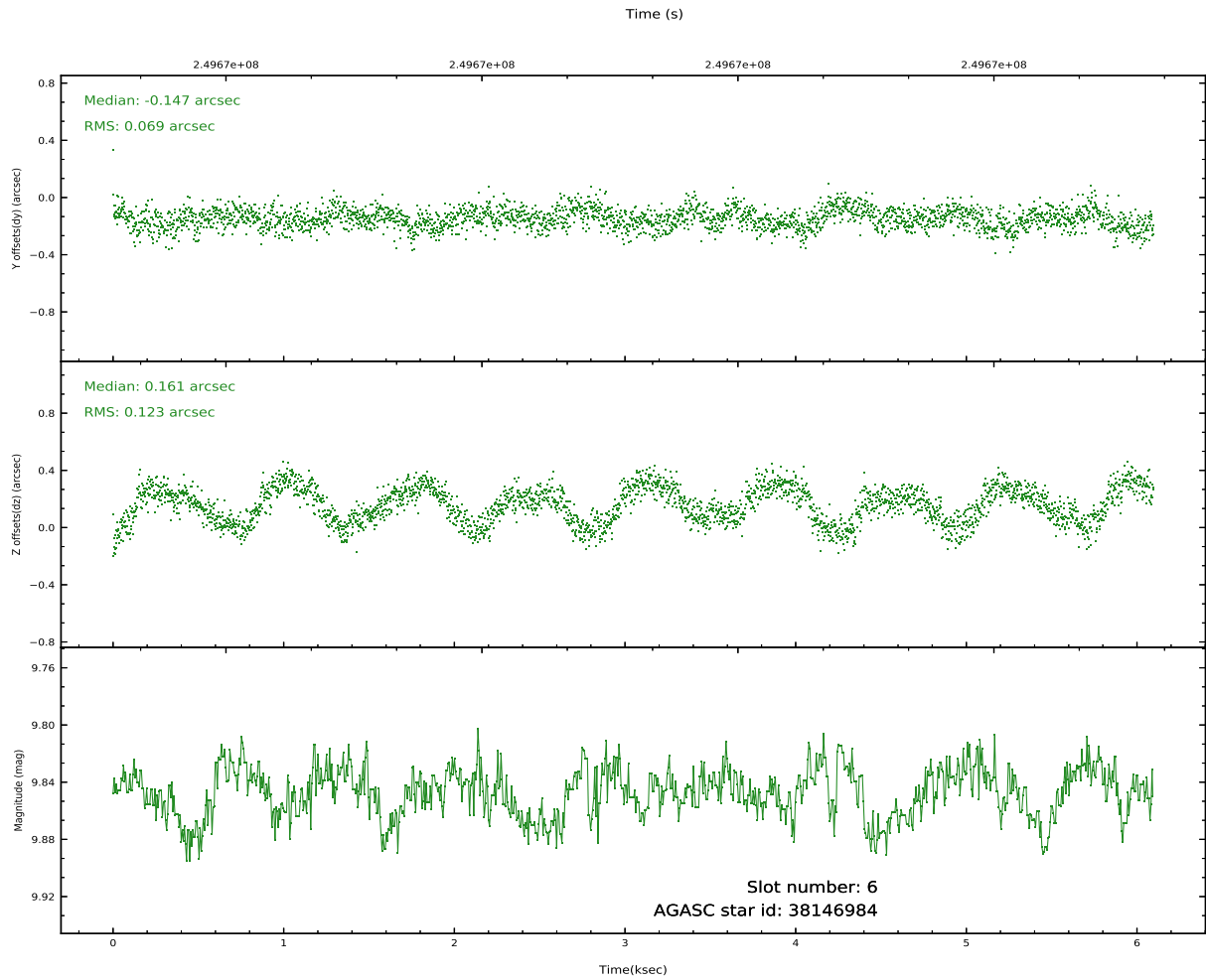
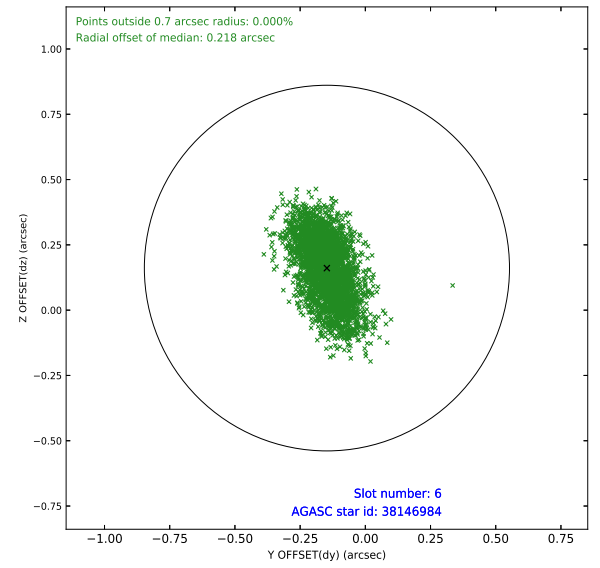
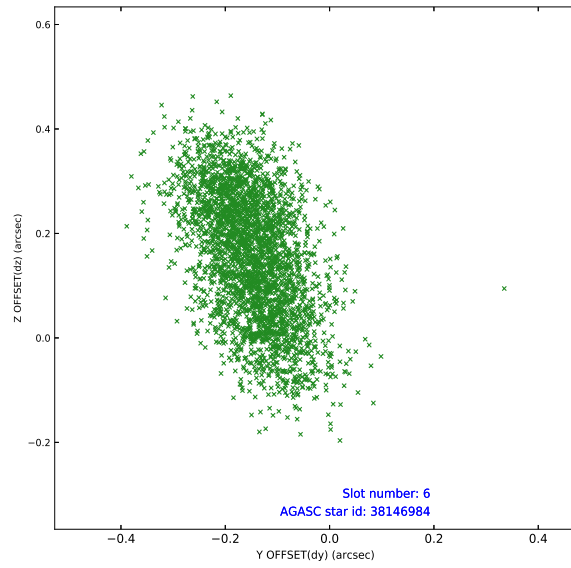
2.4.2 Slot 4



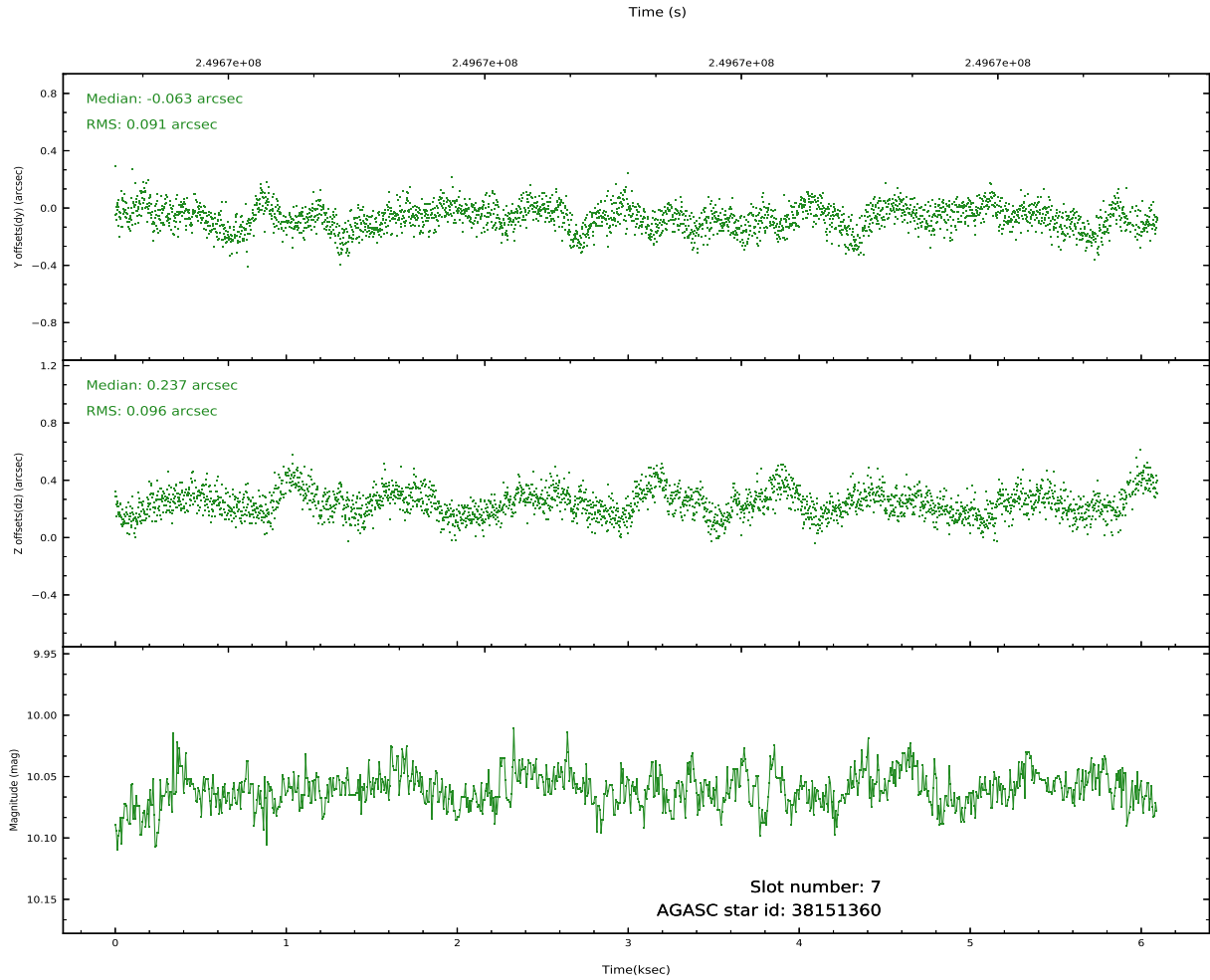
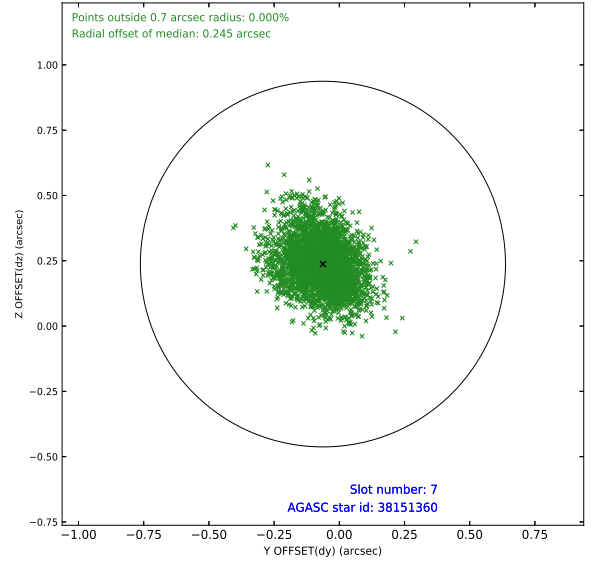
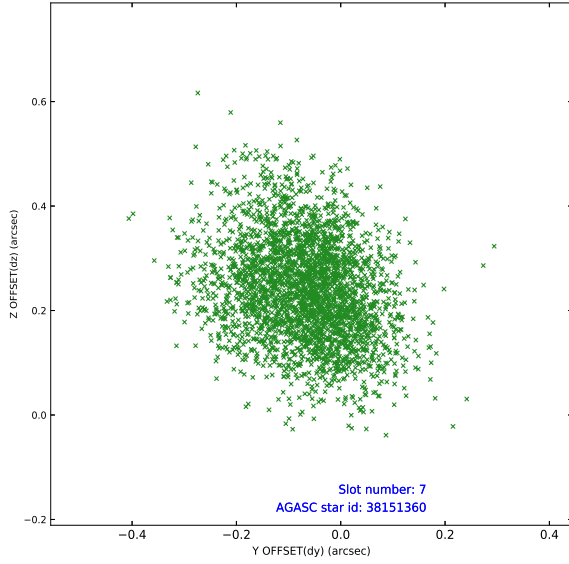
2.4.3 Slot 5



2.4.4 Slot 6

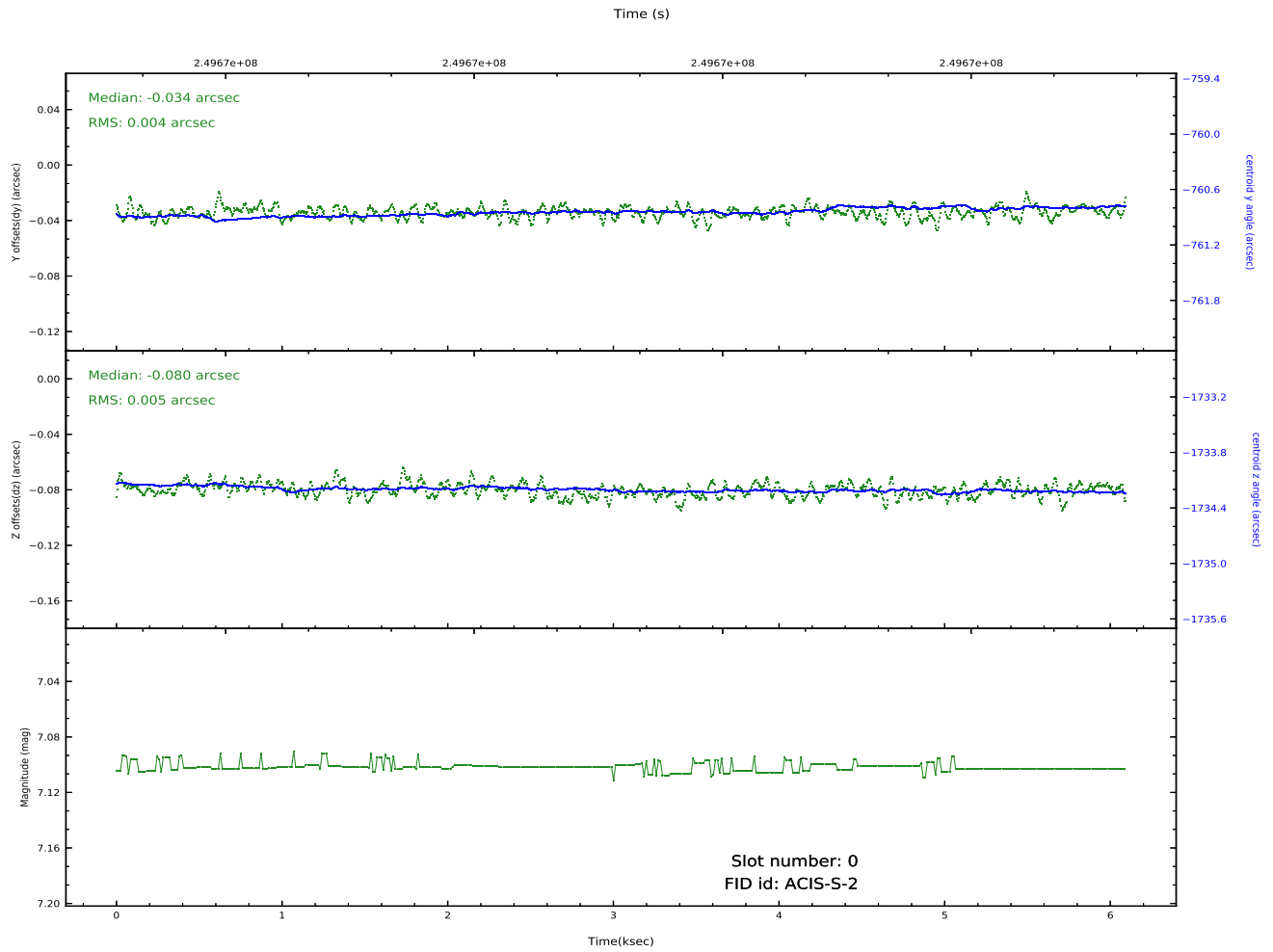
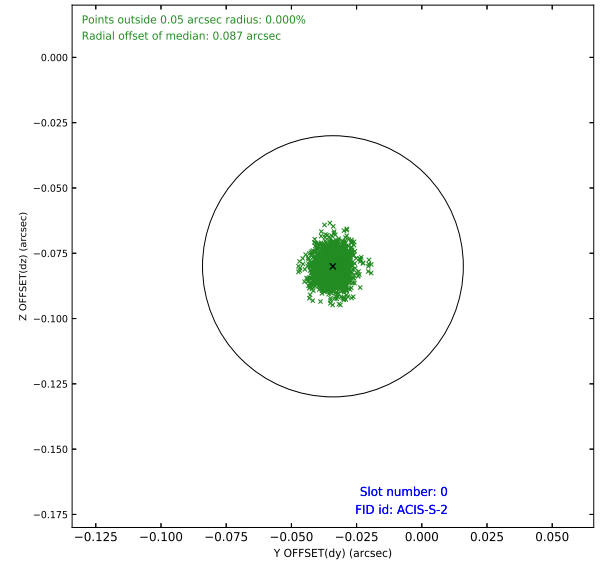
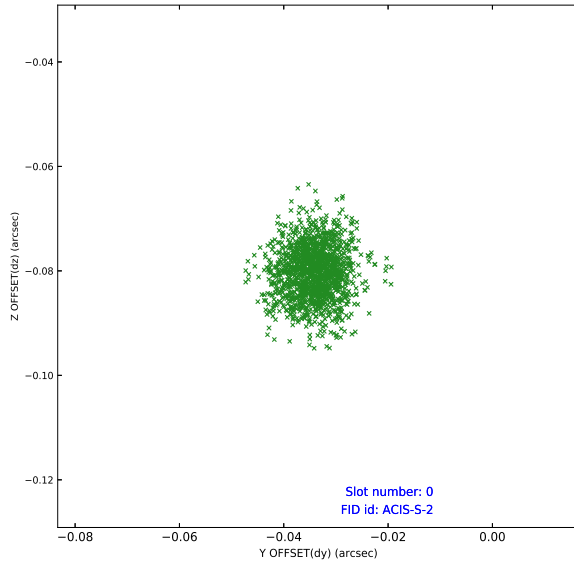


2.4.5 Slot 7

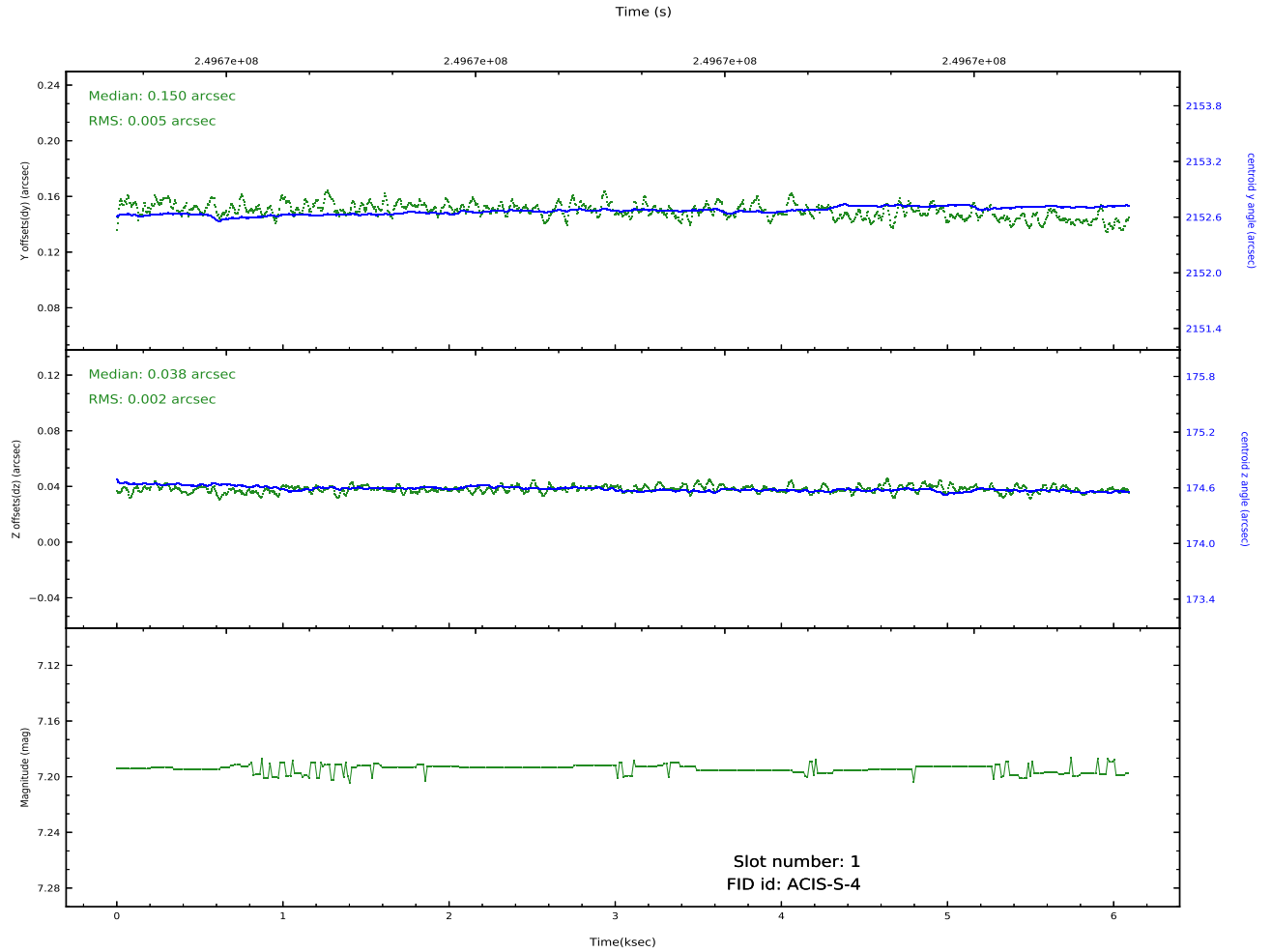
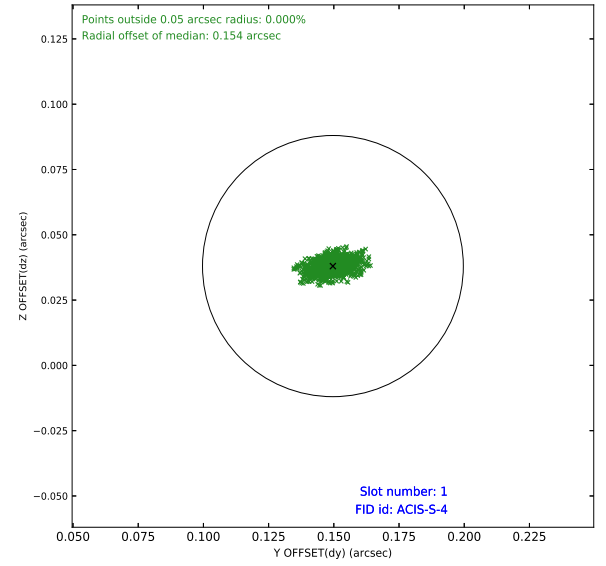
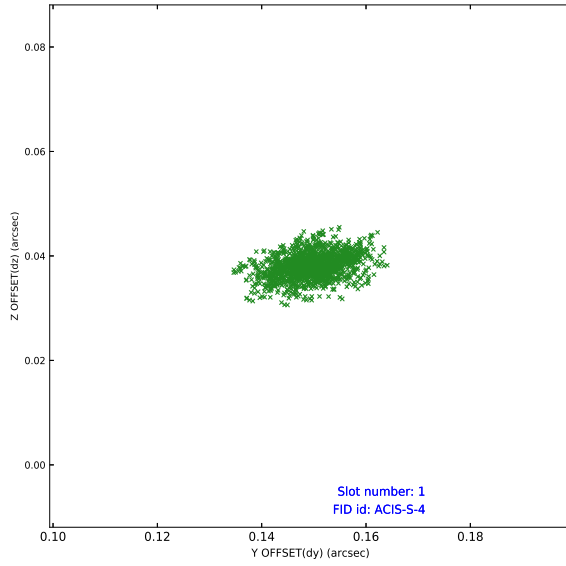


2.5 FID Slots

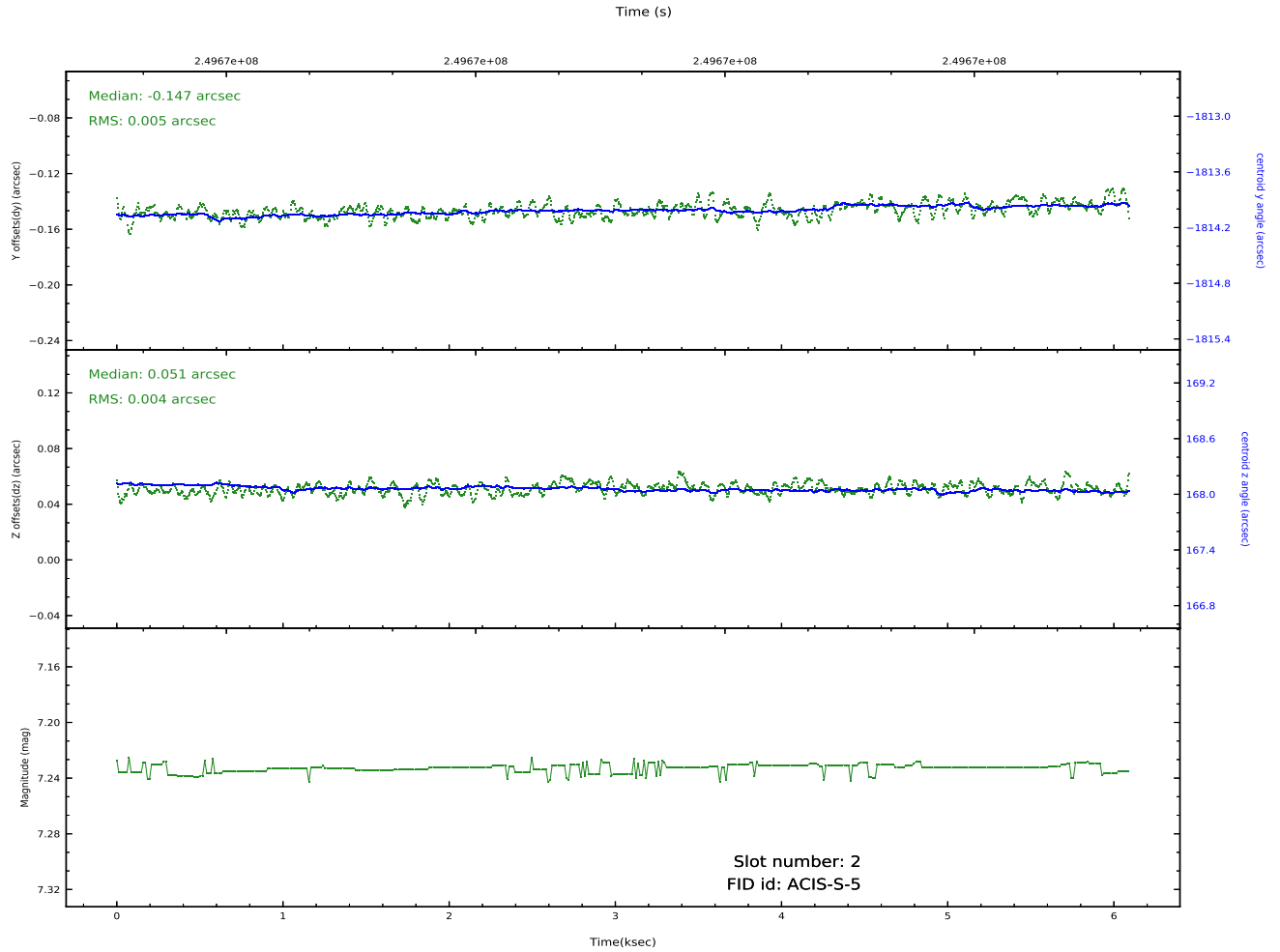
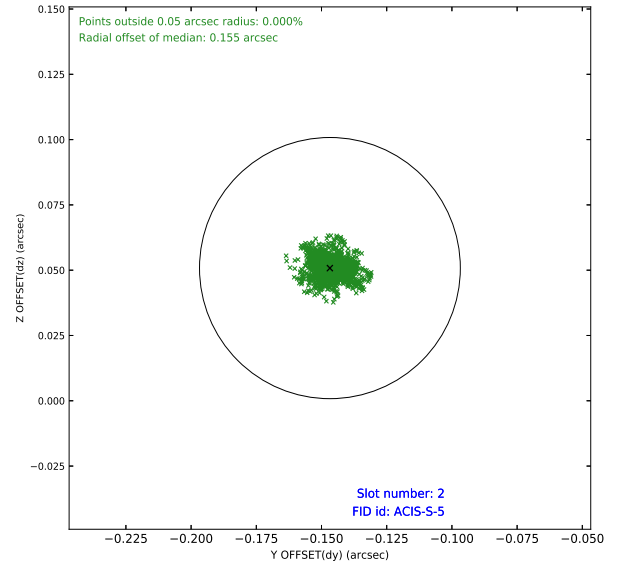
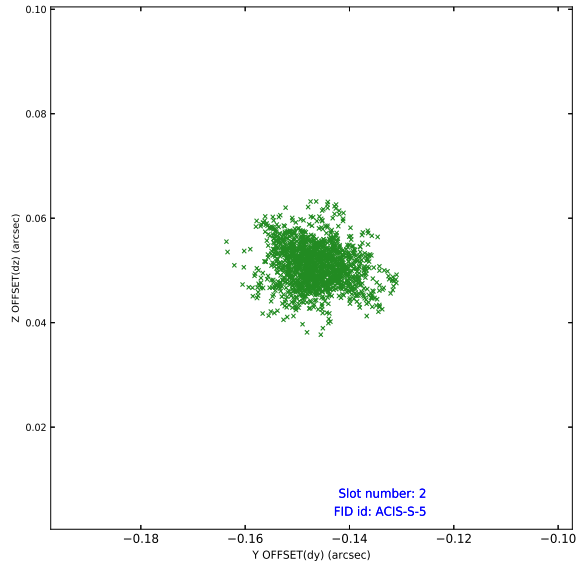
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.793599

A.2 Comments