

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20966 - L2 Version 2
Chandra X-Ray Center

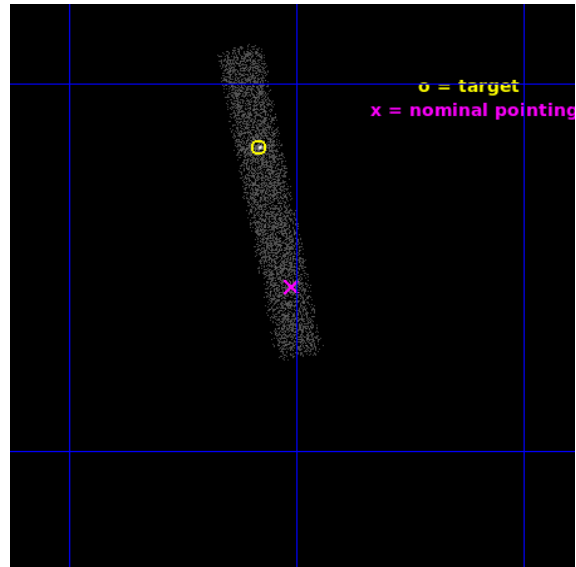
L2 Processing Date : Oct 24 2020

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1 Front

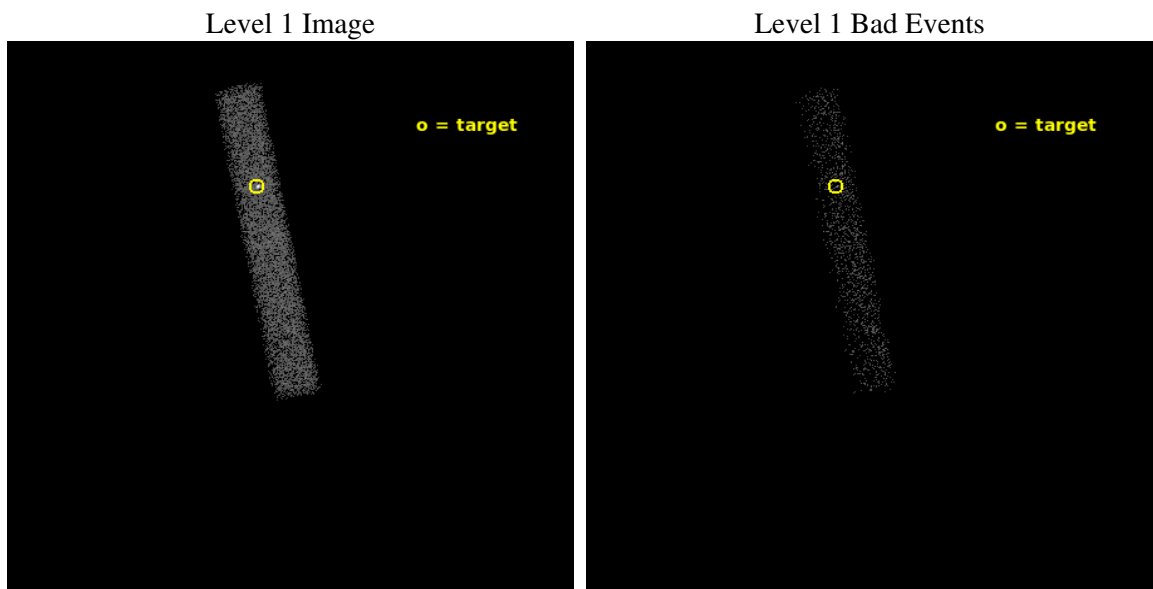
seq_num	402022	Sequence number
obs_id	20966	Observation id
title	Measure spin-up of NGC 300 ULX-1	Proposal title
observer	Georgios Vasilopoulos	Principal investigator
object	NGC 300 ULX-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	13.770417	Observer's specified target RA [deg]
dec_targ	-37.695556	Observer's specified target Dec [deg]
ra_nom	13.75244192359	Nominal RA [deg]
dec_nom	-37.758819259305	Nominal Dec [deg]
roll_nom	259.14804200548	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10069.904393315	Sum of GTIs [s]
livetime	9132.8717516011	Livetime [s]
ontime7	10069.904393315	Sum of GTIs [s]
l2events	8222	Number of level 2 events



2 OBI

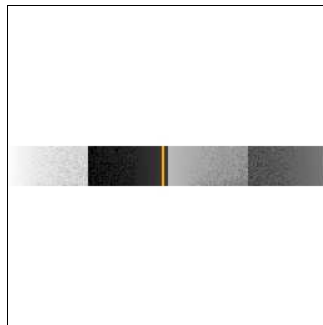
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10069.904393315	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	10069.904393315	Sum of GTIs [s]
date	2020-10-24T16:23:06	Date and time of file creation	l1events	15150	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

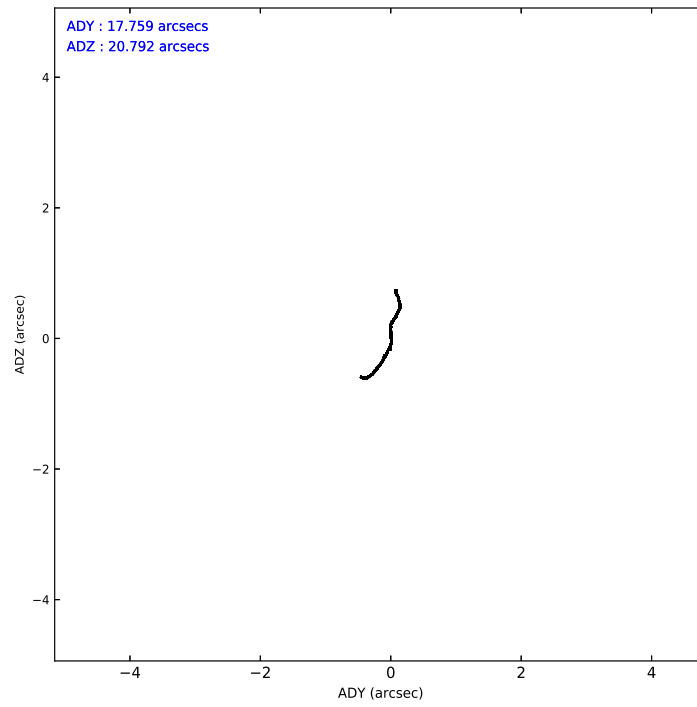
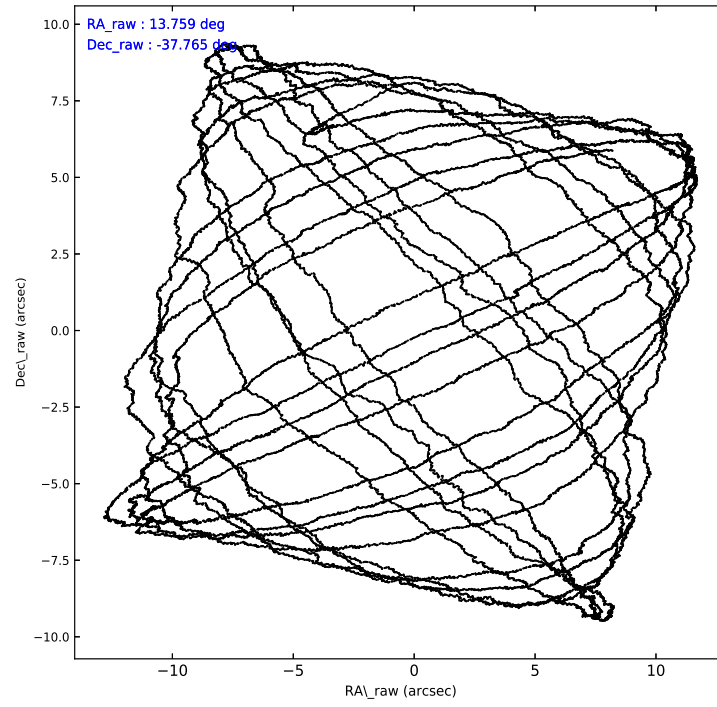
	ccd 7
level 1 events	15150
rejected events	6616
rejected %	43%

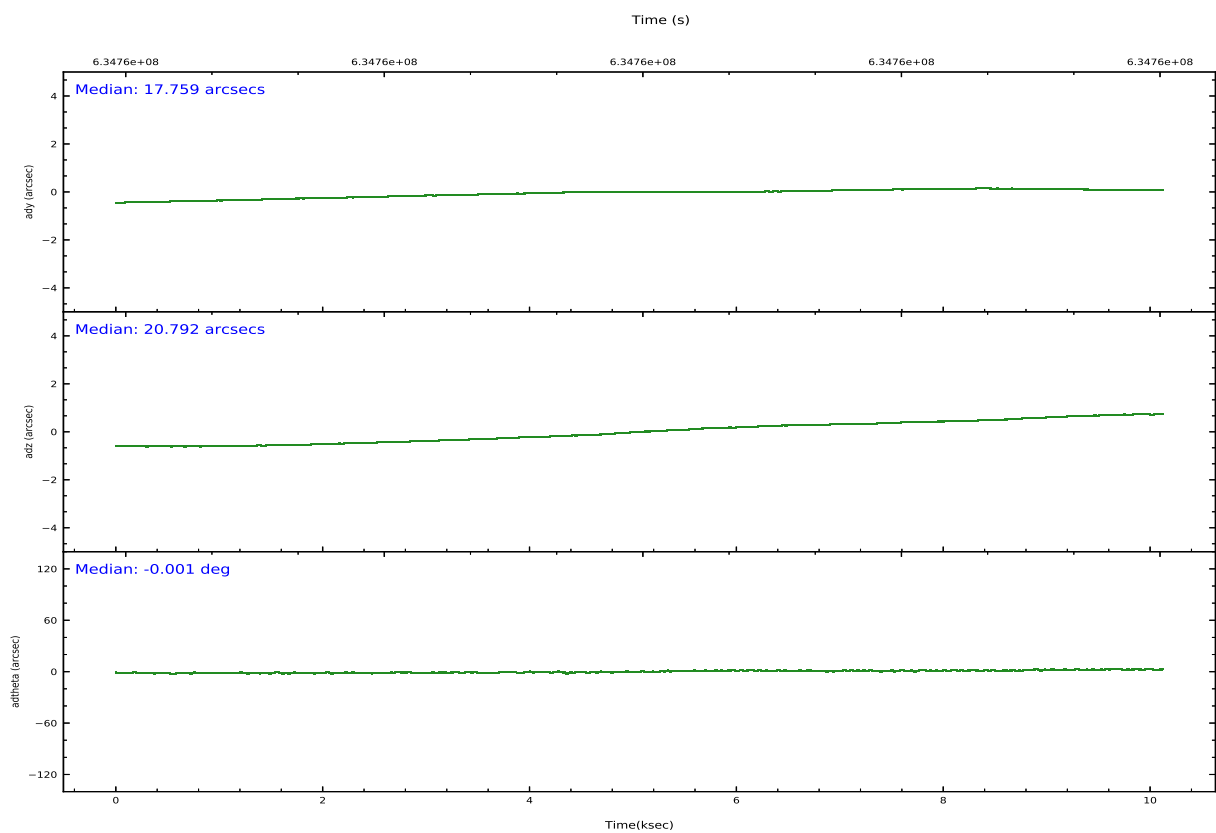
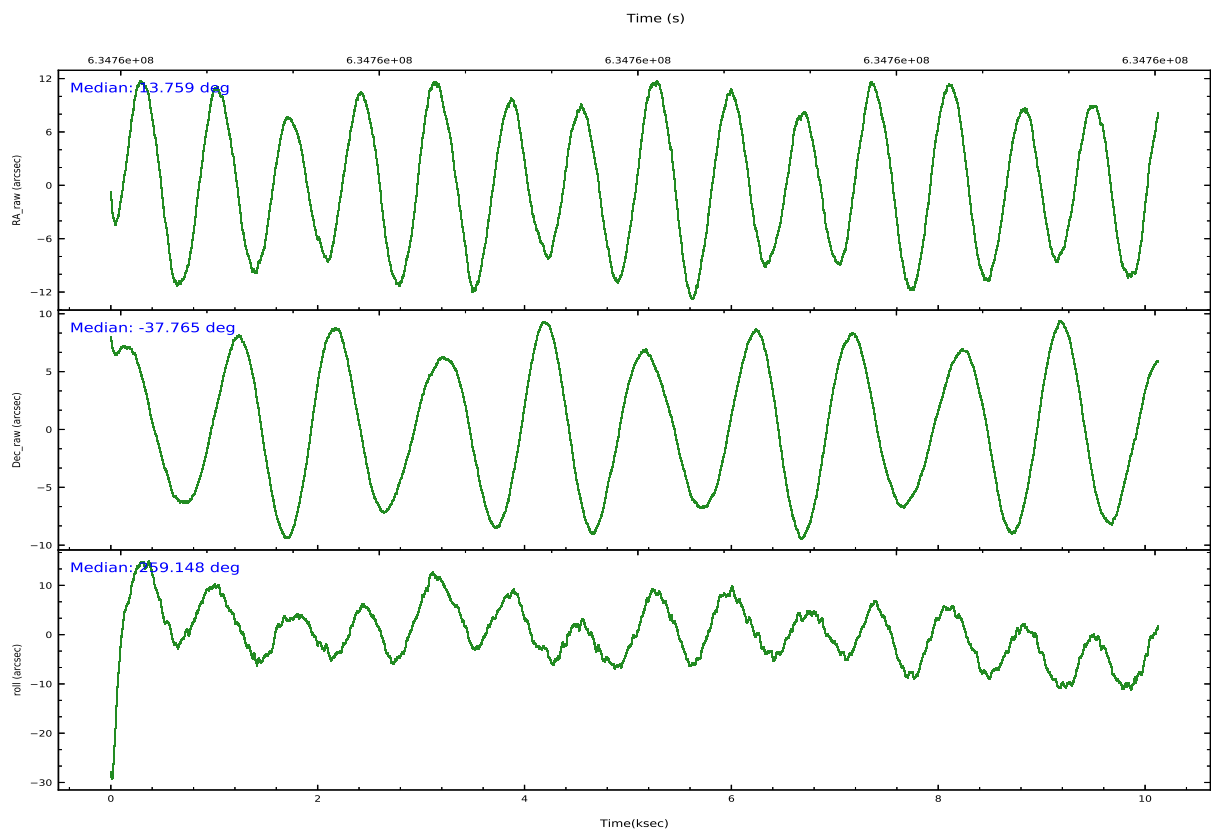
	ccd 7
grade 0 events	1307
	8%
grade 1 events	31
	0%
grade 2 events	1793
	11%
grade 3 events	1103
	7%
grade 4 events	1088
	7%
grade 5 events	1325
	8%
grade 6 events	3244
	21%
grade 7 events	5259
	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	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	13.746829	13.75244192359	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-37.739240	-37.758819259305	Subarray start row	449	449
[deg] Pointing Roll	258.985553	259.14804200548	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	634755030.184000	634753734.21403			
Observation start date	2018-02-11T16:49:21	2018-02-11T16:28:54			
[s] Observation end time (MET)	634765030.184000	634765821.52724			
Observation end date	2018-02-11T19:36:01	2018-02-11T19:50:21			
Read mode	TIMED	TIMED			

2.3 Aspect



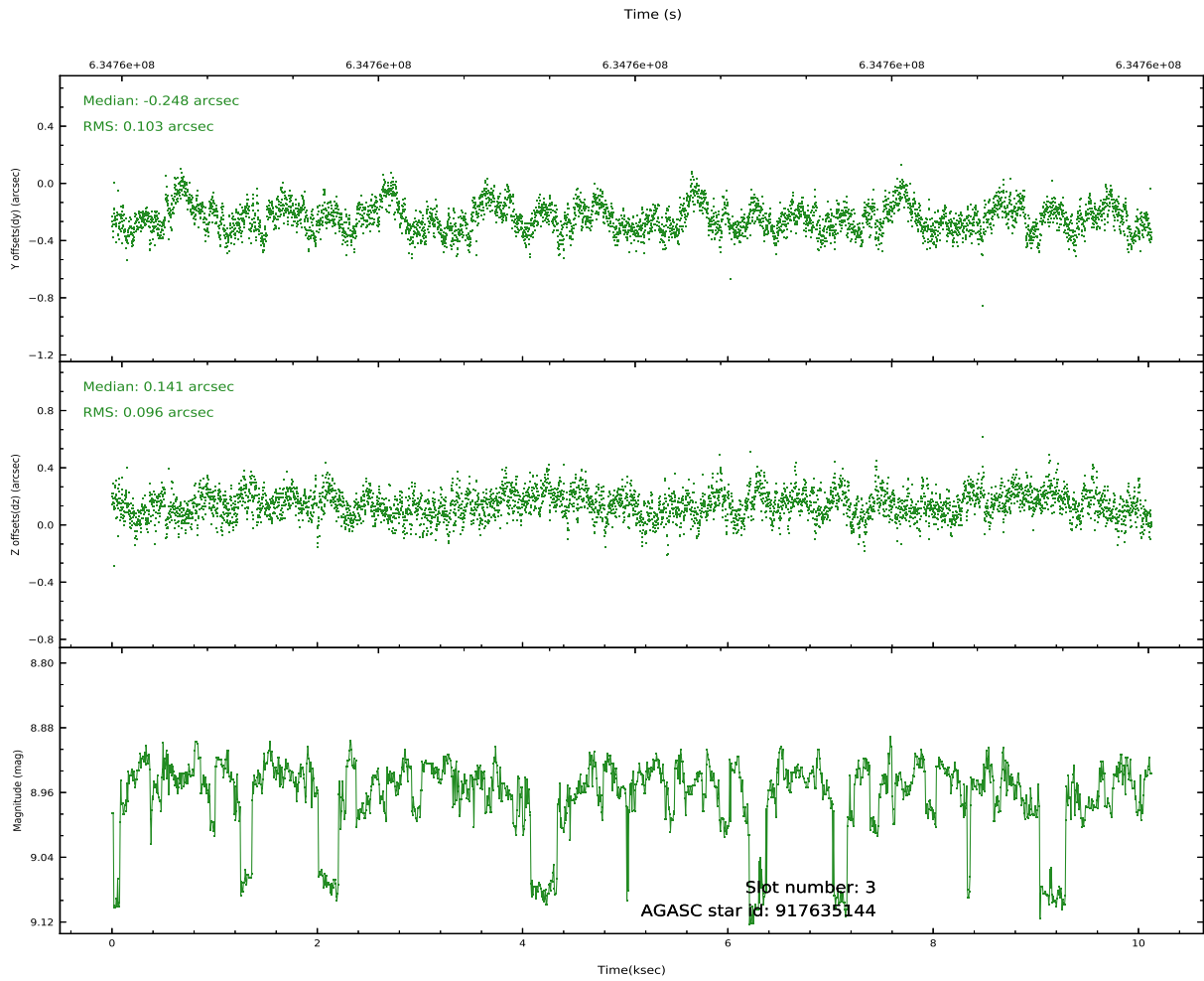
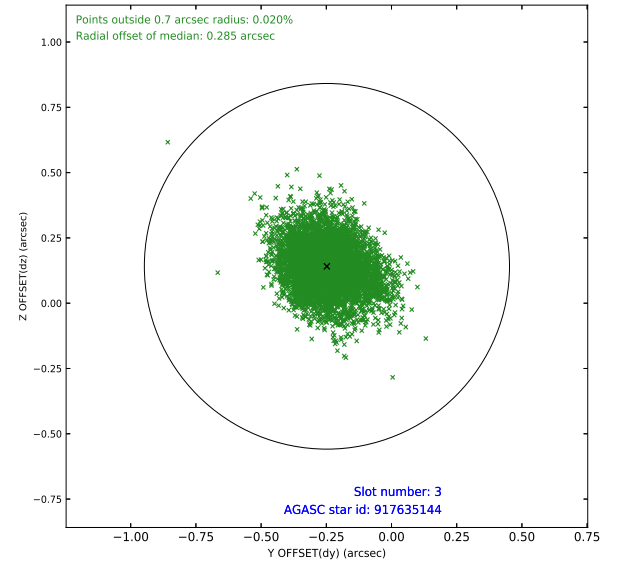
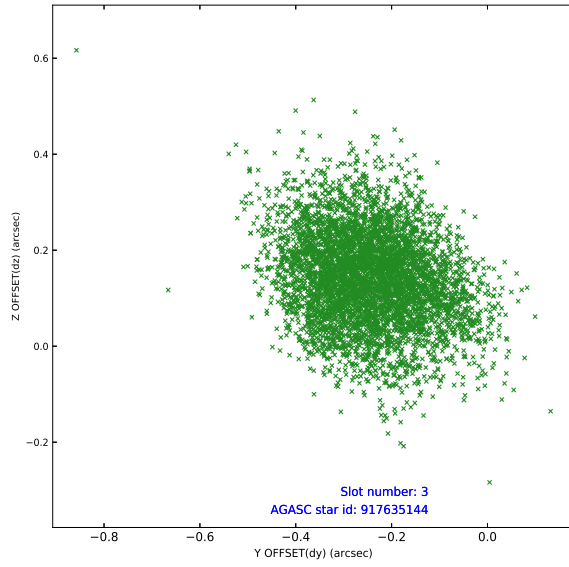


Slot Statistics

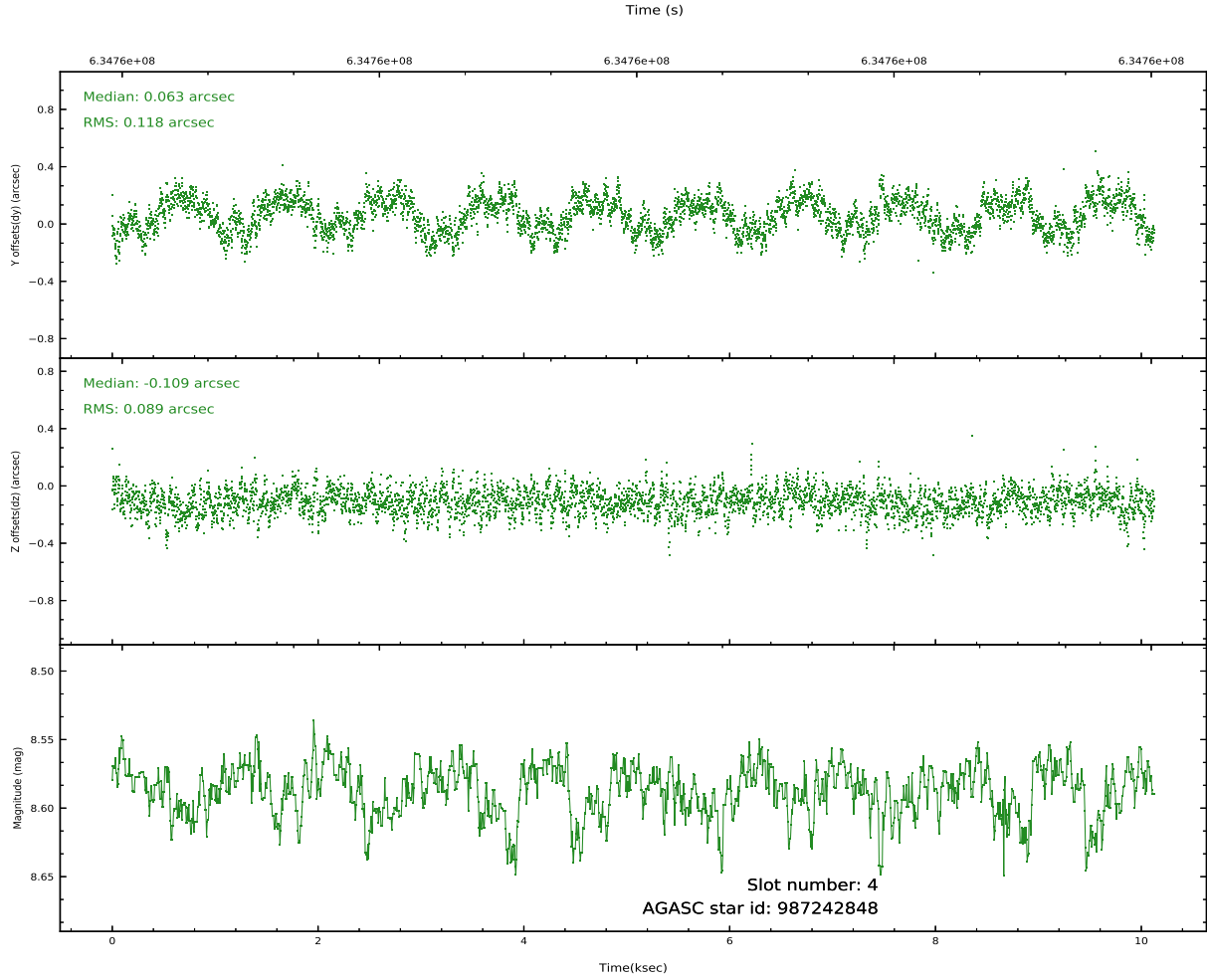
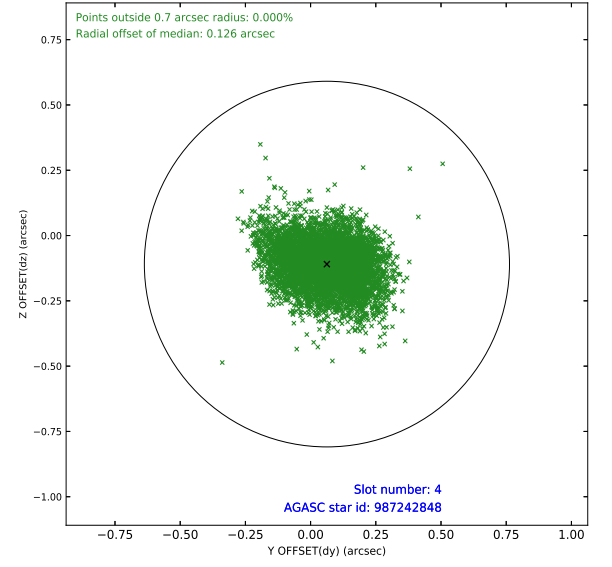
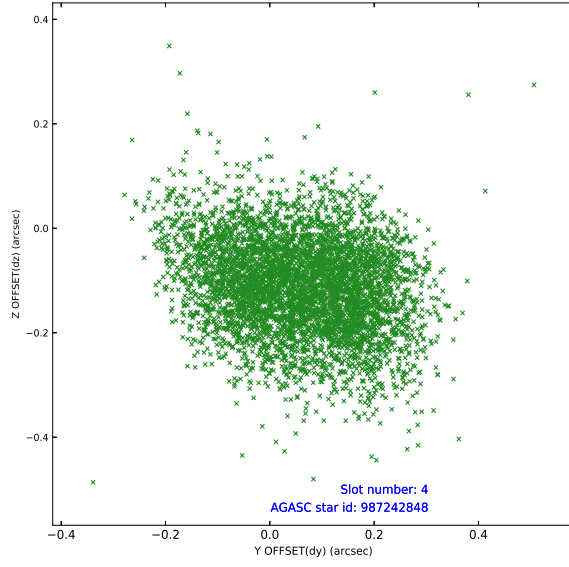
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.06	2470	1.000	0.289	-0.210	0.011	0.021	0.000000	0.000000	925.46	-1738
1	FID		ACIS-S-5	7.08	2470	1.000	-0.243	0.223	0.008	0.014	0.000000	0.000000	-1823.64	159
2	FID		ACIS-S-6	7.23	2470	1.000	-0.067	-0.002	0.010	0.017	0.000000	0.000000	390.28	803
3	GUIDE	used	917635144	8.95	4935	1.000	-0.248	0.141	0.149	0.239	14.182427	-37.216967	-2080.67	867
4	GUIDE	used	987242848	8.59	4939	1.000	0.063	-0.109	0.158	0.251	13.175530	-38.138116	1724.87	-1311
5	GUIDE	used	987366320	8.78	4938	1.000	0.152	0.057	0.145	0.243	13.580534	-38.230952	1828.88	-123
6	GUIDE	used	987367984	8.68	4935	1.000	-0.017	-0.119	0.132	0.214	13.861833	-37.523988	-820.51	176
7	GUIDE	used	987369936	9.41	4929	1.000	0.055	0.038	0.157	0.260	14.172536	-38.438809	2247.07	1660

2.4 Star Slots

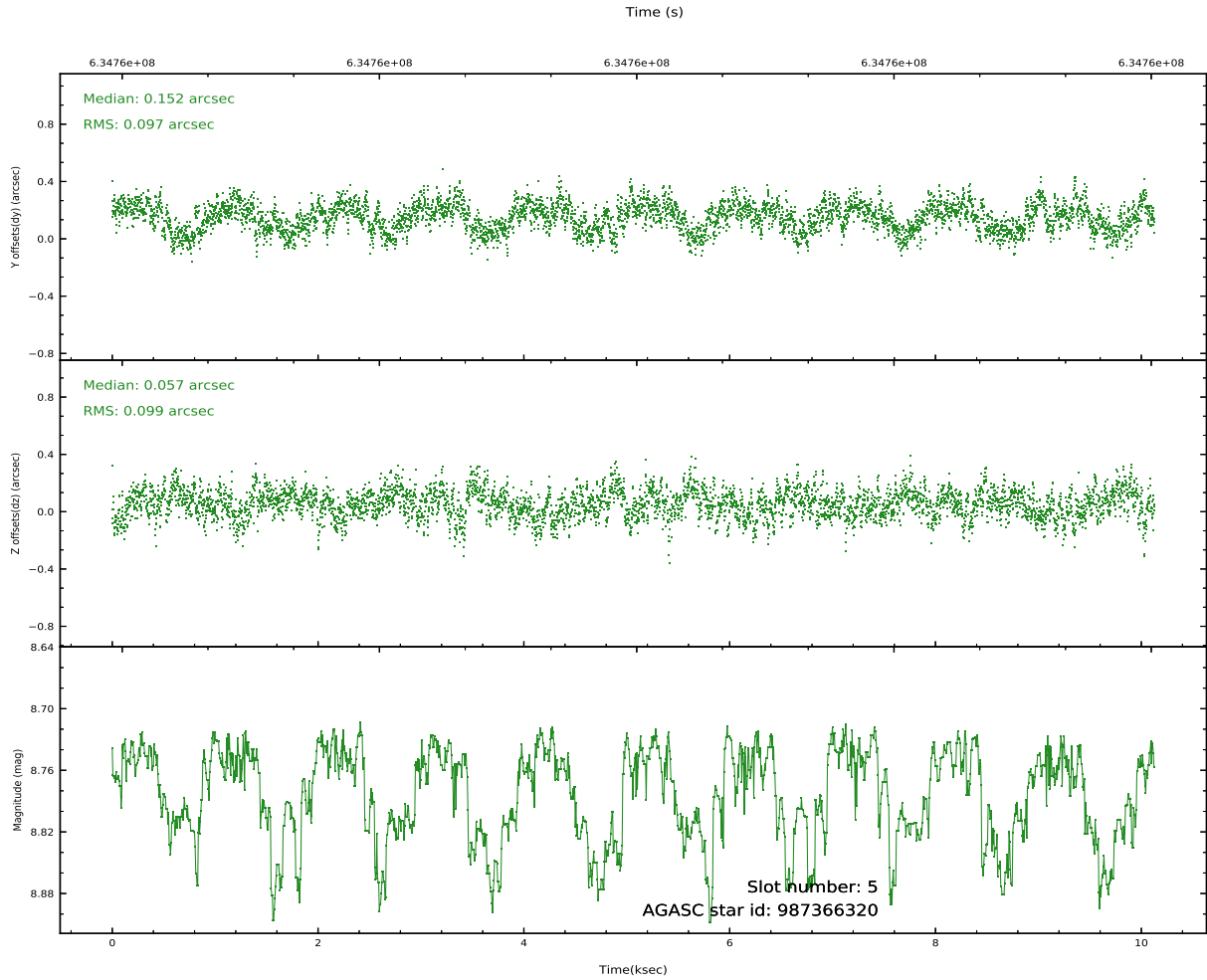
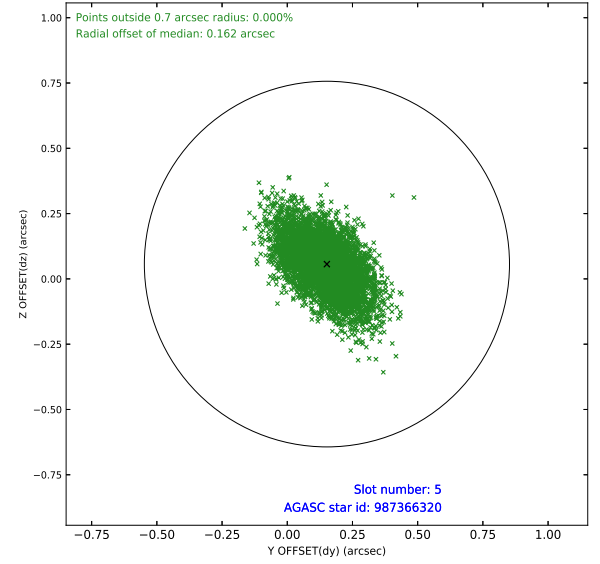
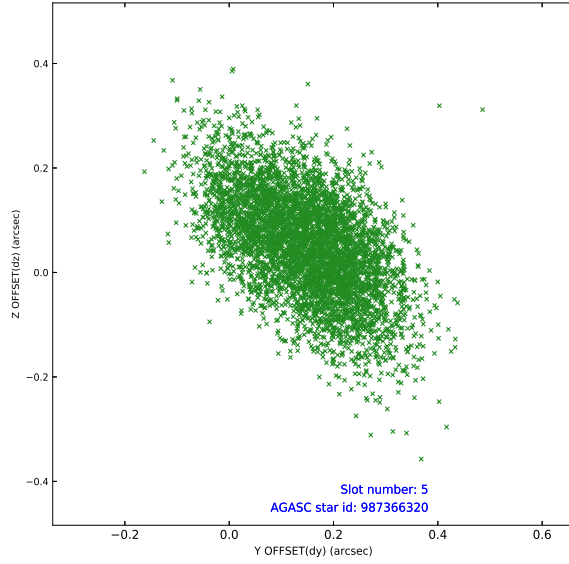
2.4.1 Slot 3



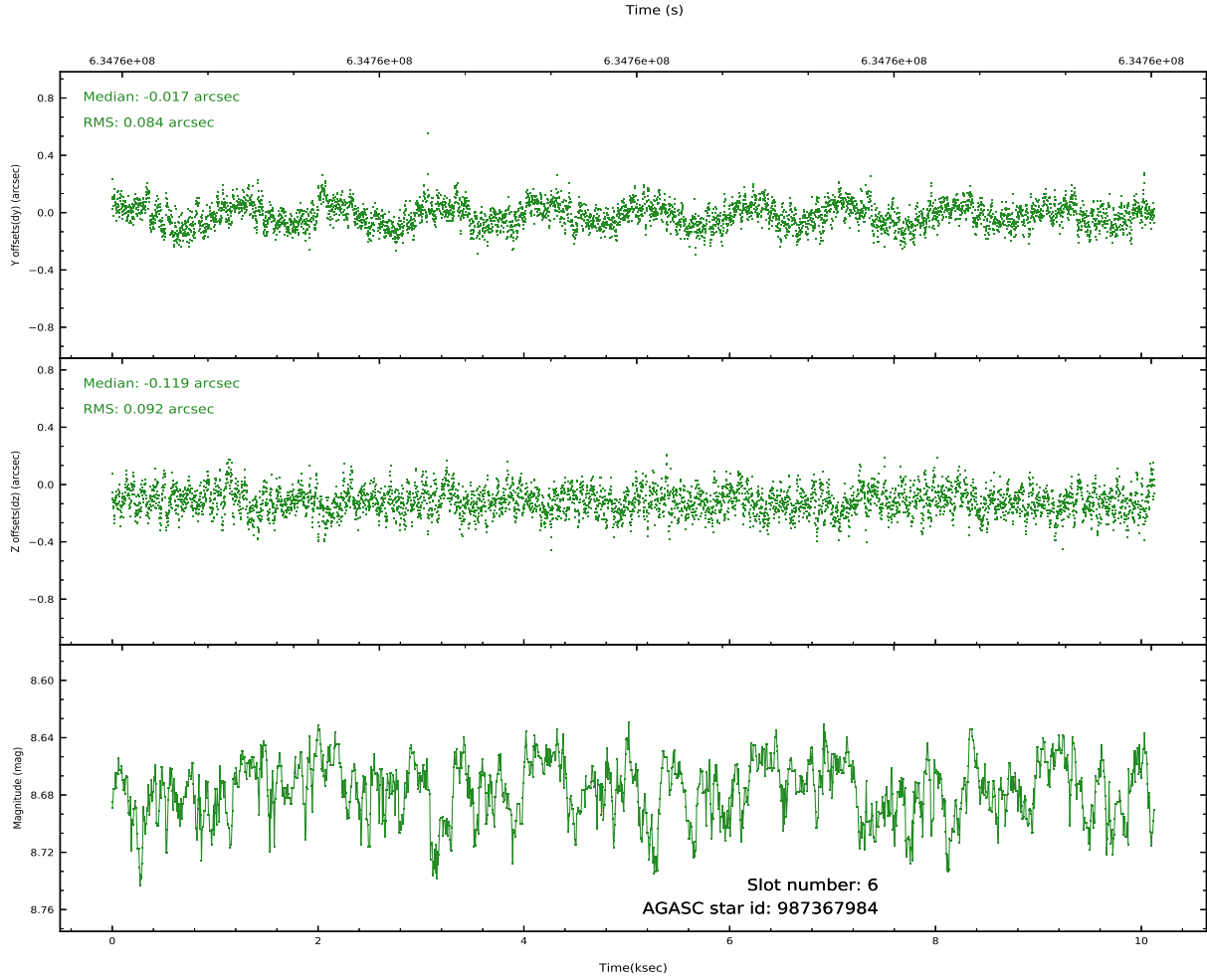
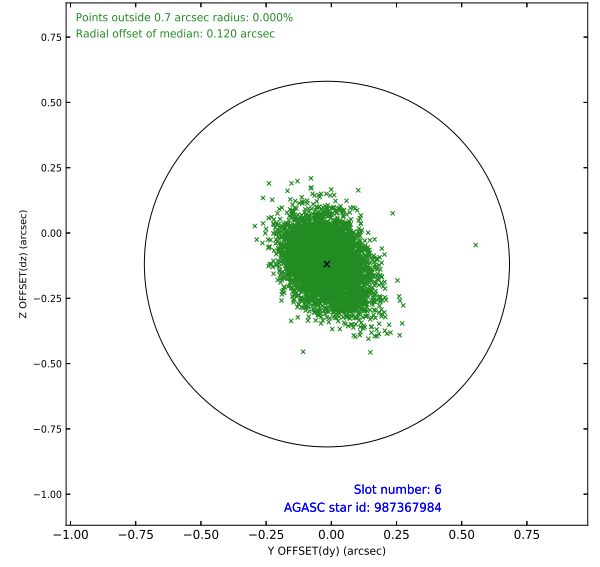
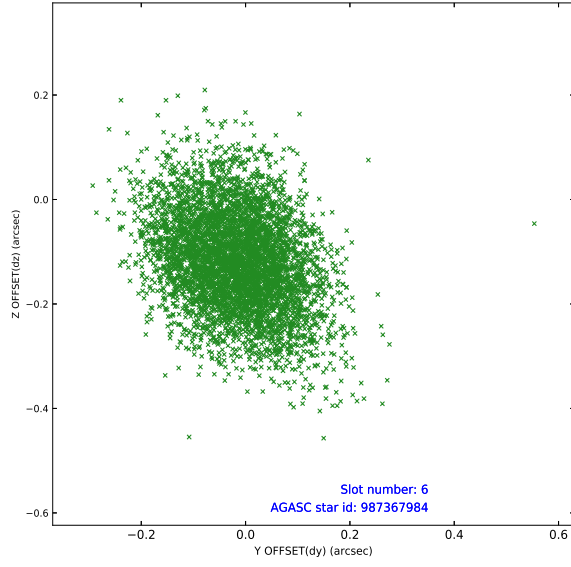
2.4.2 Slot 4



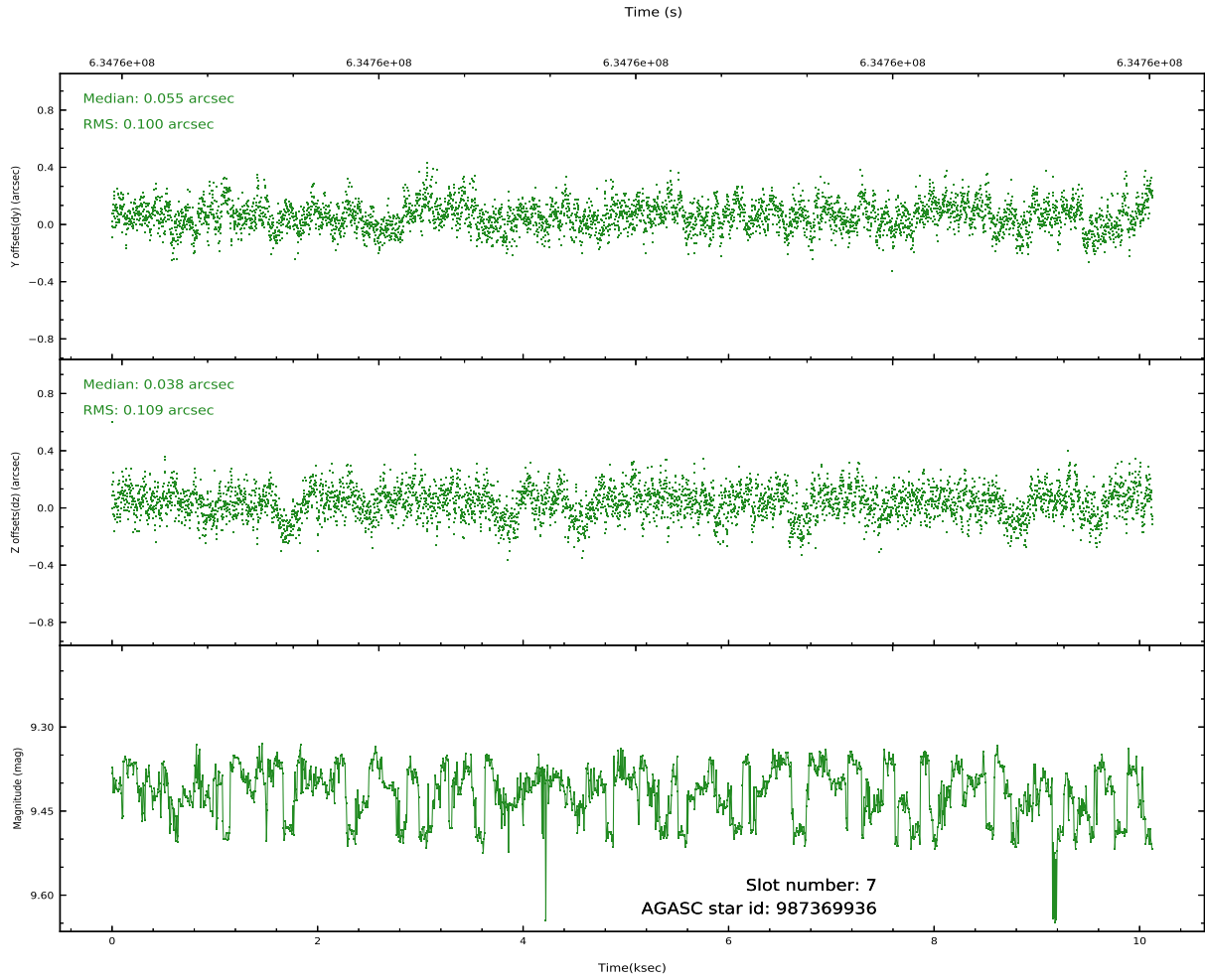
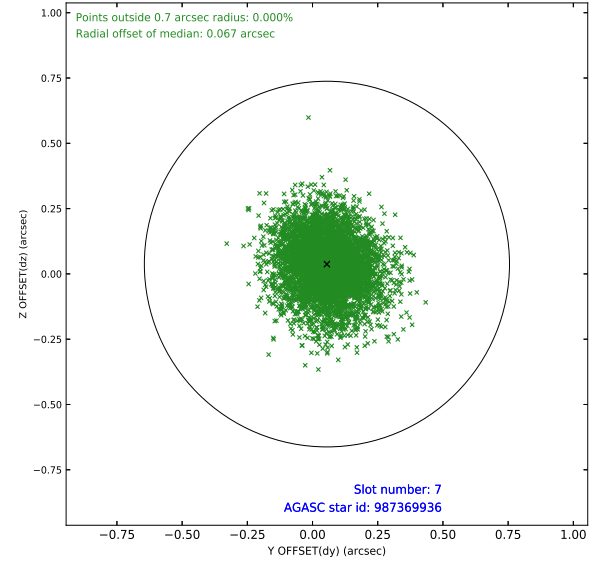
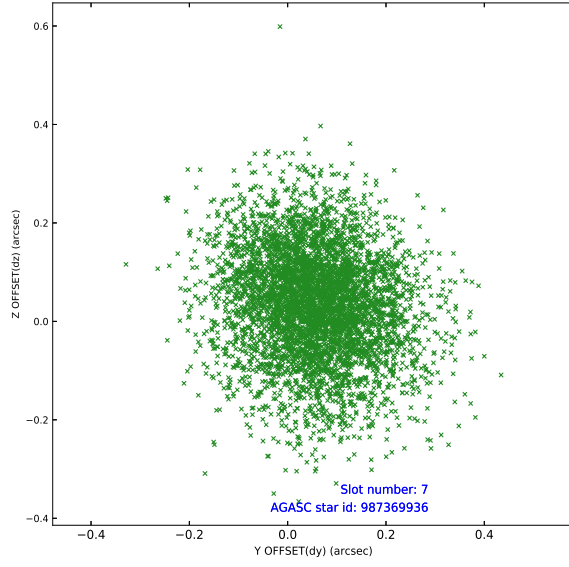
2.4.3 Slot 5



2.4.4 Slot 6

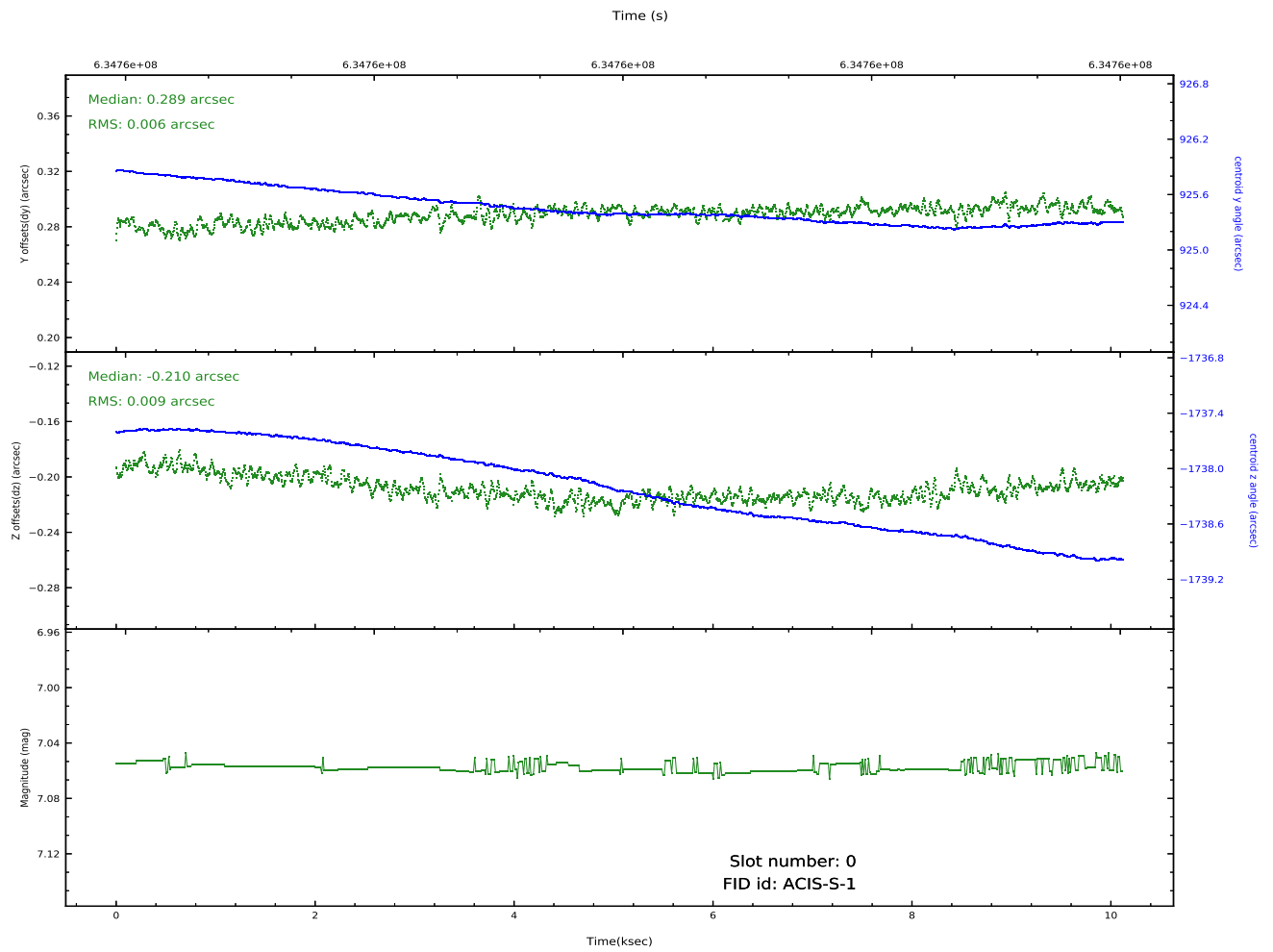
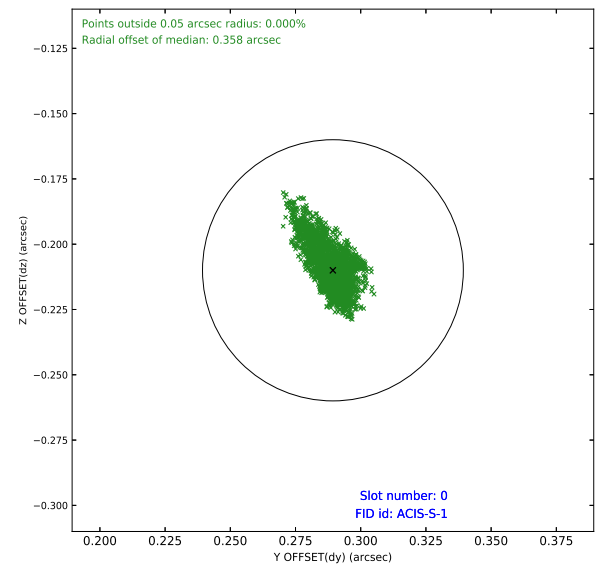
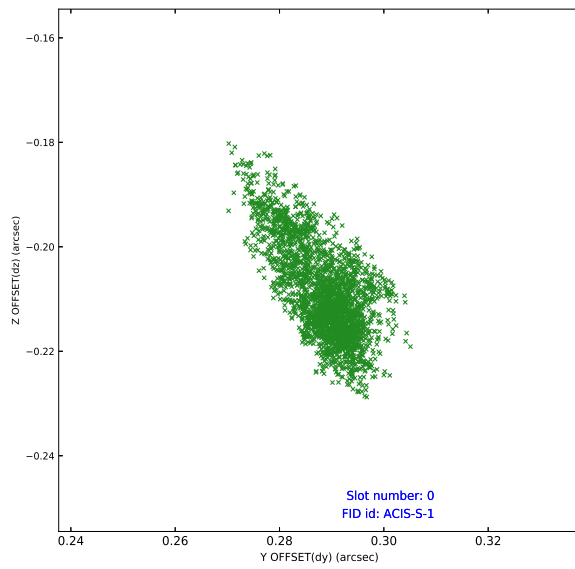


2.4.5 Slot 7

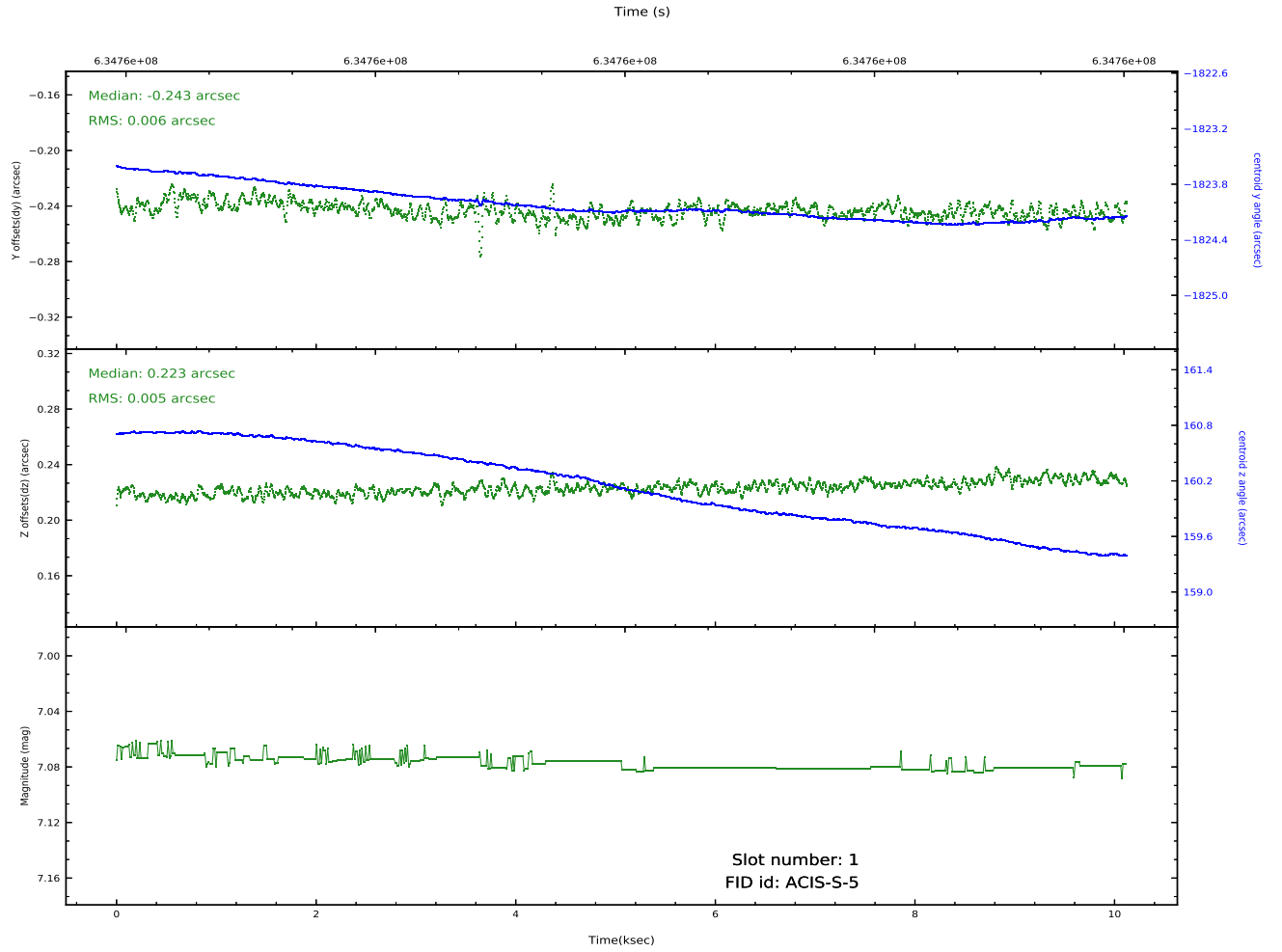
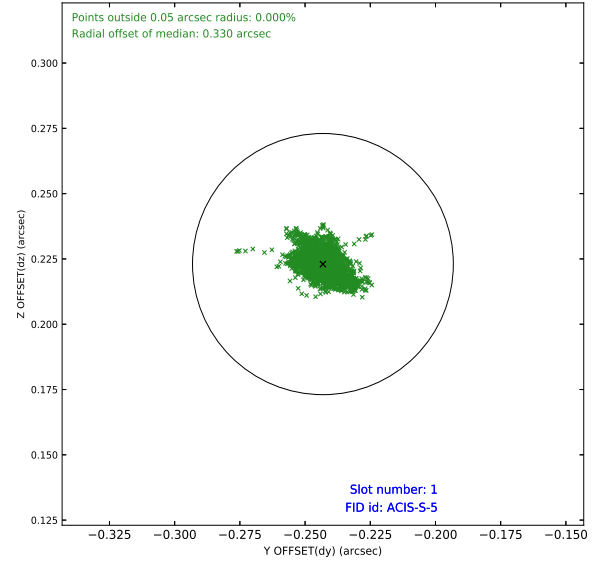
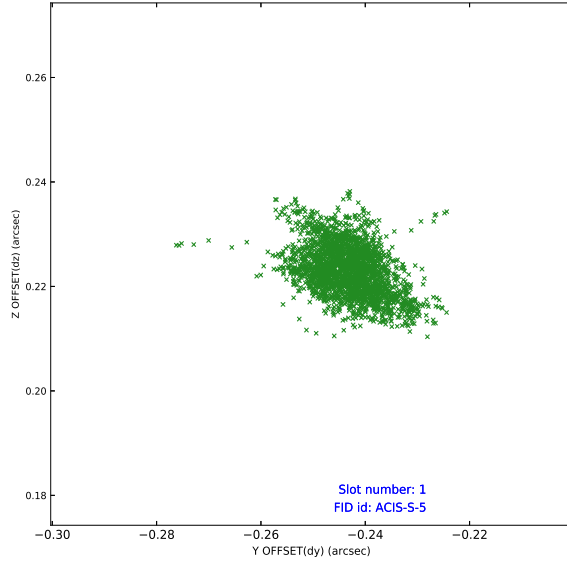


2.5 FID Slots

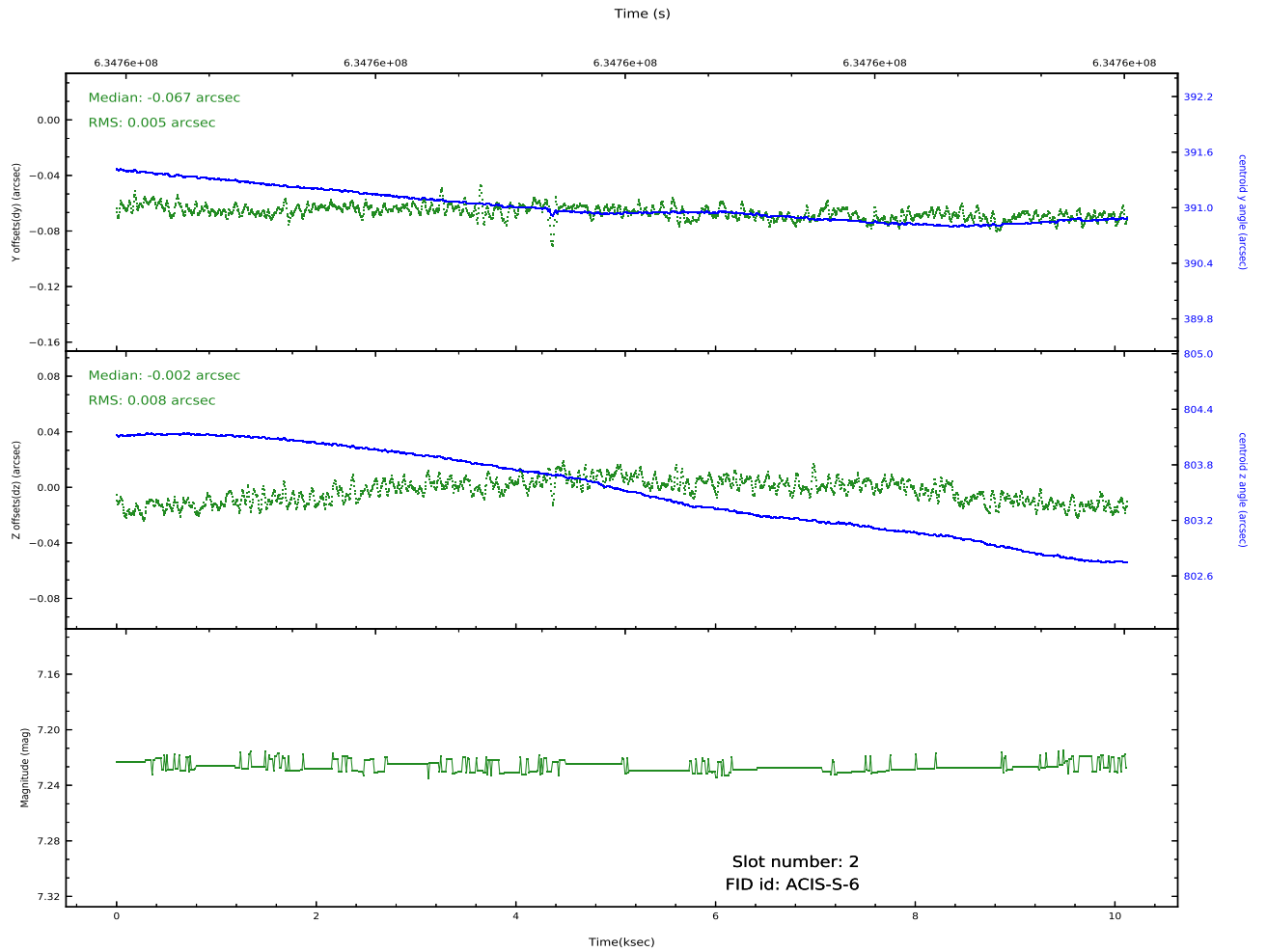
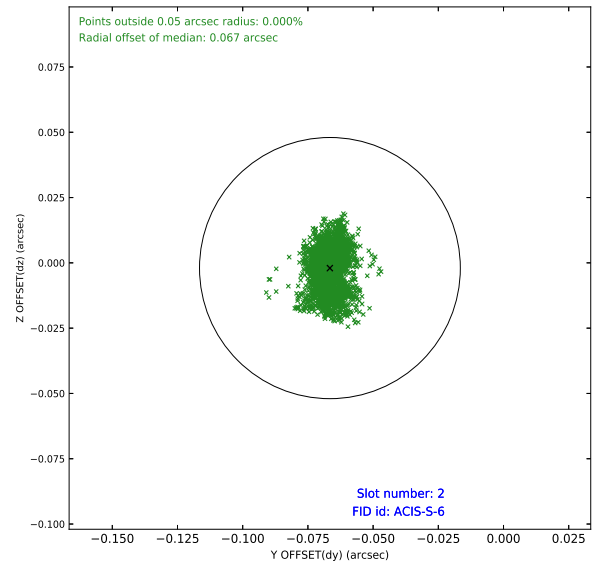
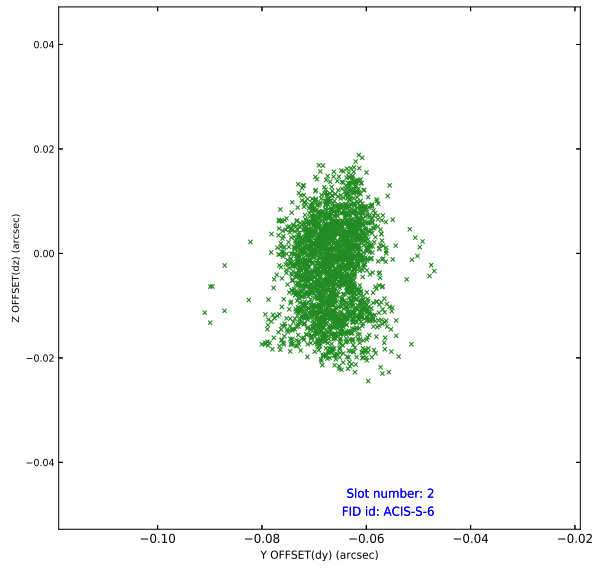
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069904396296

A.2 Comments