

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20195 - L2 Version 2
Chandra X-Ray Center

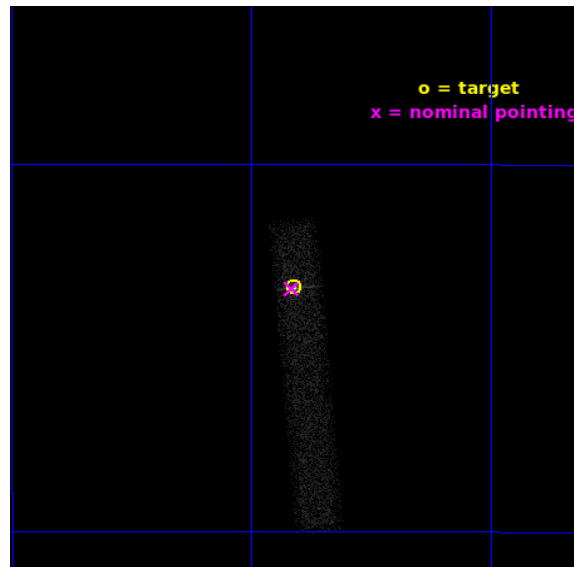
L2 Processing Date : Oct 25 2020

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1 Front

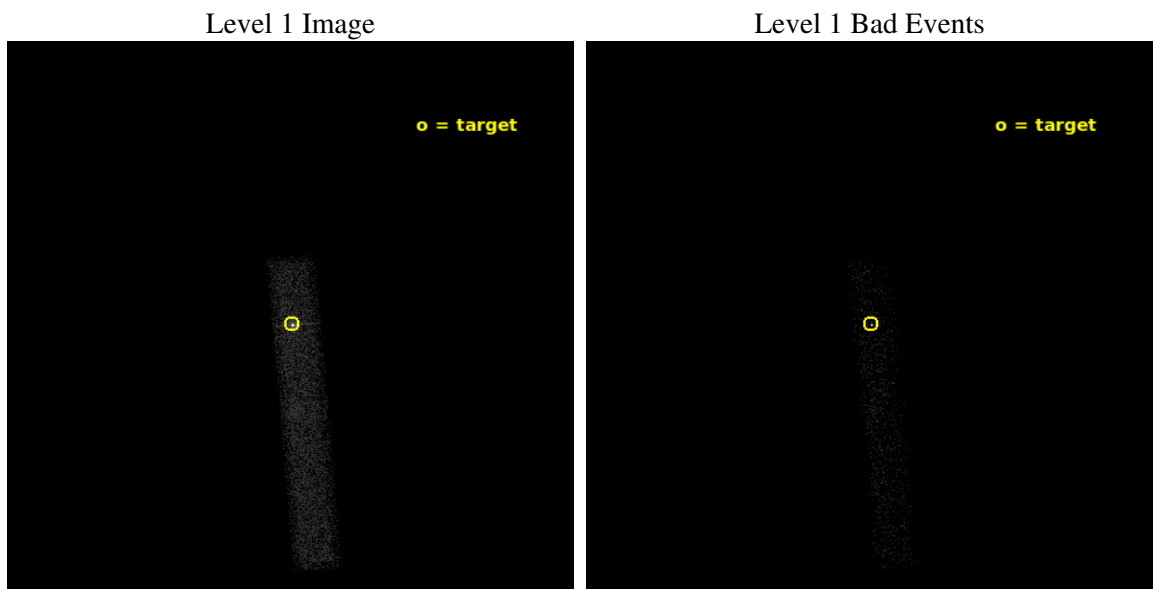
seq_num	401922	Sequence number
obs_id	20195	Observation id
title	Transient LMXBs in Globular Clusters	Proposal title
observer	Jeroen Homan	Principal investigator
object	Liller 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.352542	Observer's specified target RA [deg]
dec_targ	-33.388833	Observer's specified target Dec [deg]
ra_nom	263.35373423961	Nominal RA [deg]
dec_nom	-33.389698425001	Nominal Dec [deg]
roll_nom	85.143821739386	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10068.759472132	Sum of GTIs [s]
livetime	9131.8333685215	Livetime [s]
ontime7	10068.759472132	Sum of GTIs [s]
l2events	16606	Number of level 2 events



2 OBI

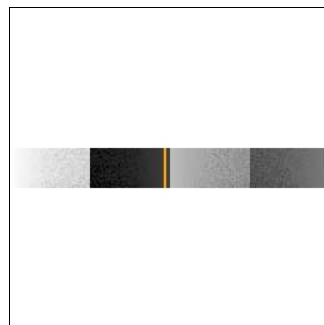
2.1 OBI

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	10068.759472132	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	10068.759472132	Sum of GTIs [s]
date	2020-10-25T16:02:47	Date and time of file creation	l1events	24620	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

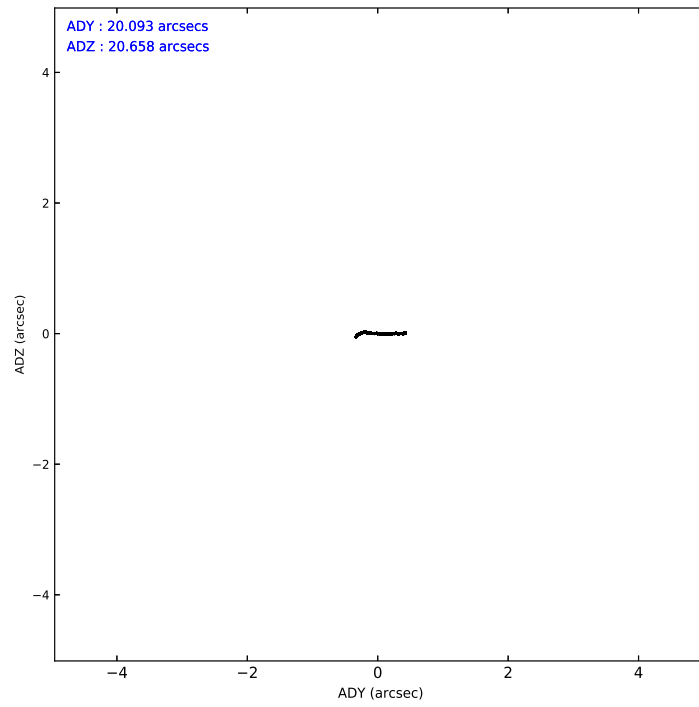
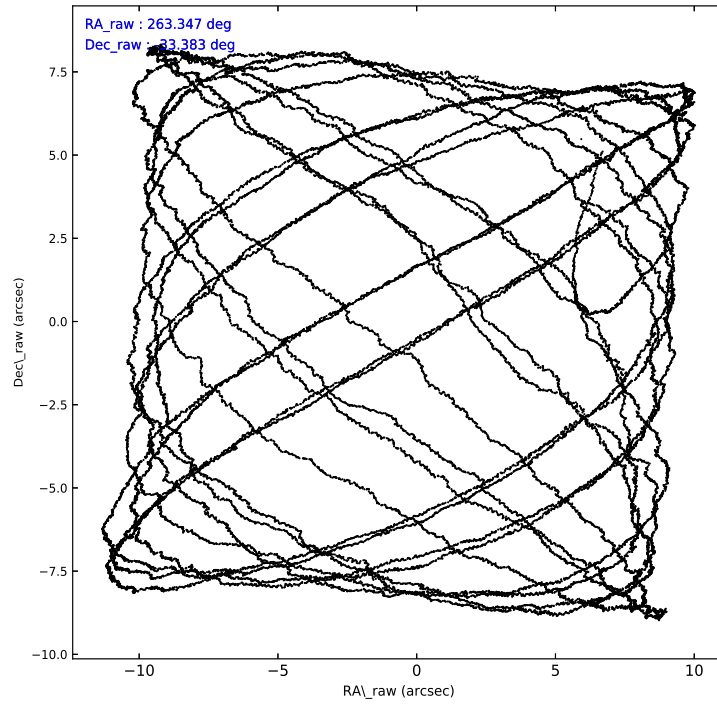
	ccd 7
level 1 events	24620
rejected events	7700
rejected %	31%

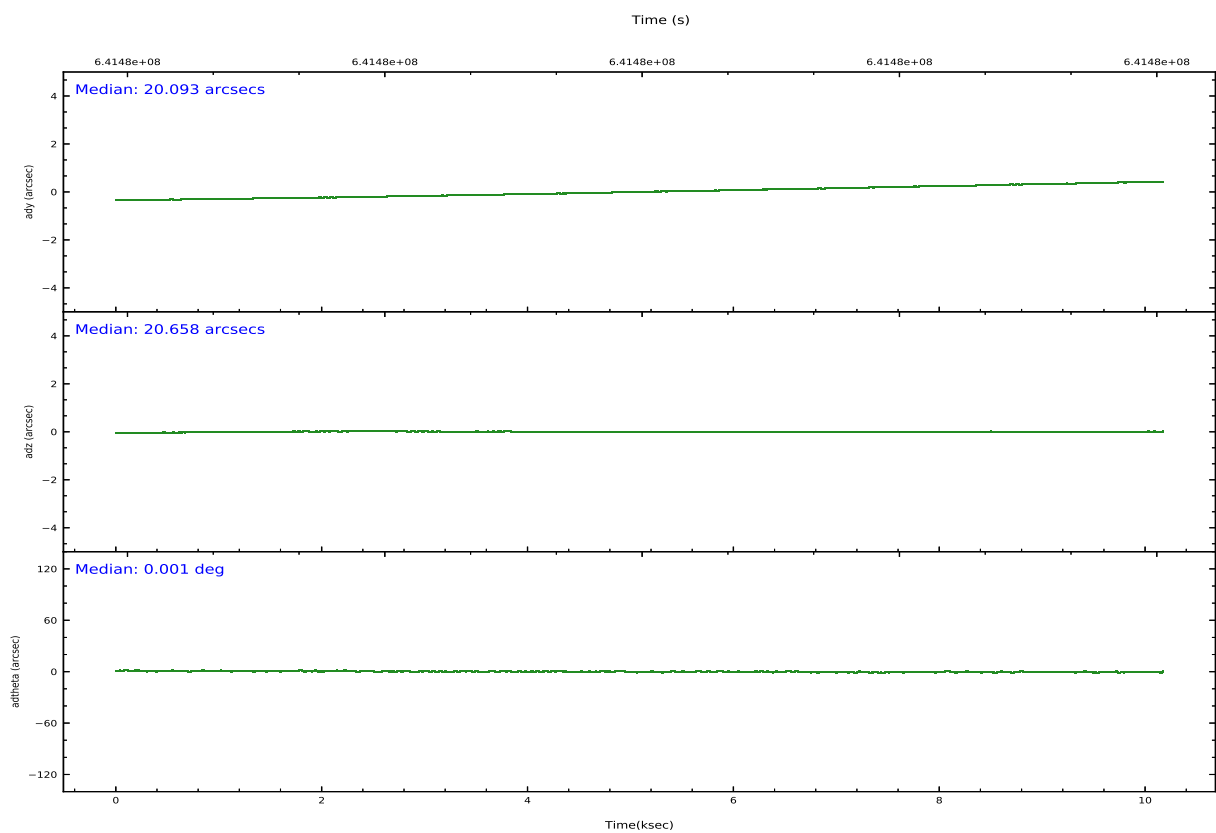
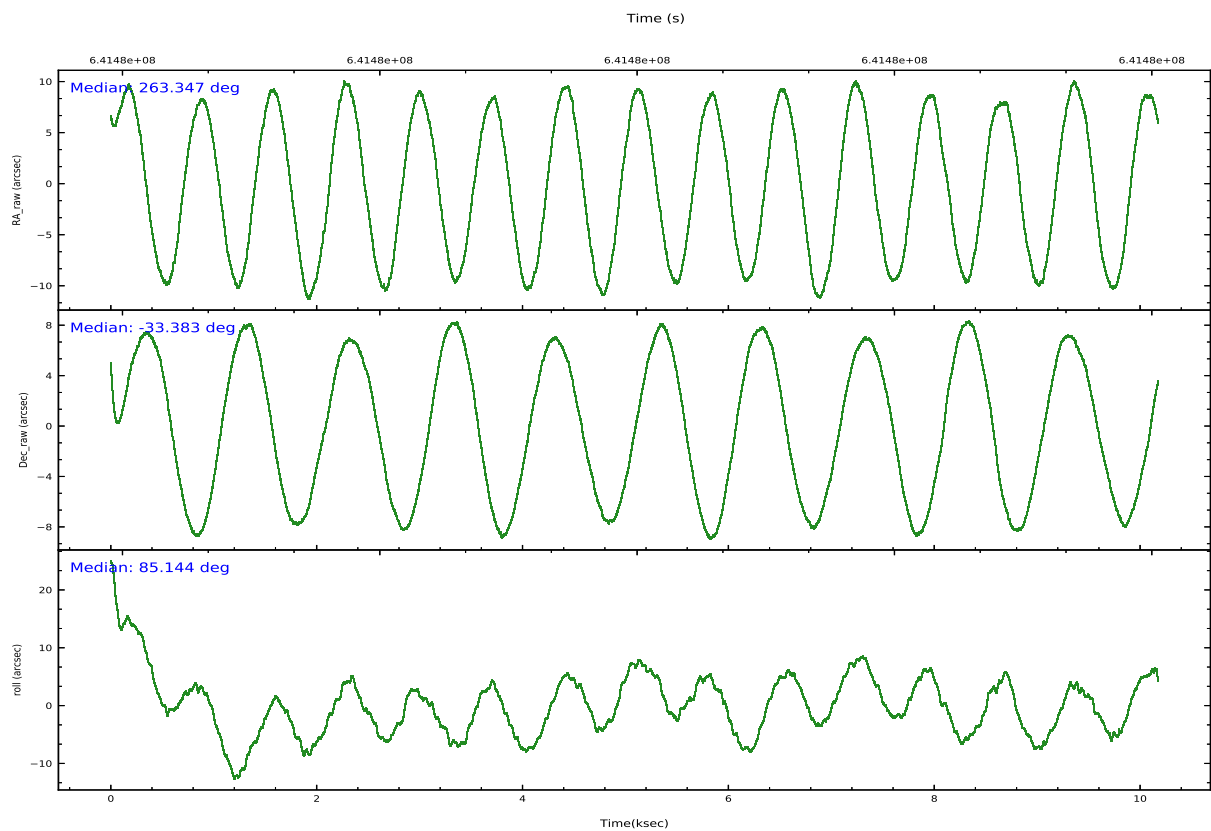
	ccd 7
grade 0 events	2501
	10%
grade 1 events	94
	0%
grade 2 events	3693
	15%
grade 3 events	1968
	7%
grade 4 events	1923
	7%
grade 5 events	1742
	7%
grade 6 events	6836
	27%
grade 7 events	5863
	23%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	263.361531	263.35373423961	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-33.408143	-33.389698425001	Subarray start row	449	449
[deg] Pointing Roll	85.004940	85.143821739386	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	641475062.184000	641473752.48541			
Observation start date	2018-04-30T11:29:53	2018-04-30T11:09:12			
[s] Observation end time (MET)	641485062.184000	641486135.51114			
Observation end date	2018-04-30T14:16:33	2018-04-30T14:35:35			
Read mode	TIMED	TIMED			

2.3 Aspect



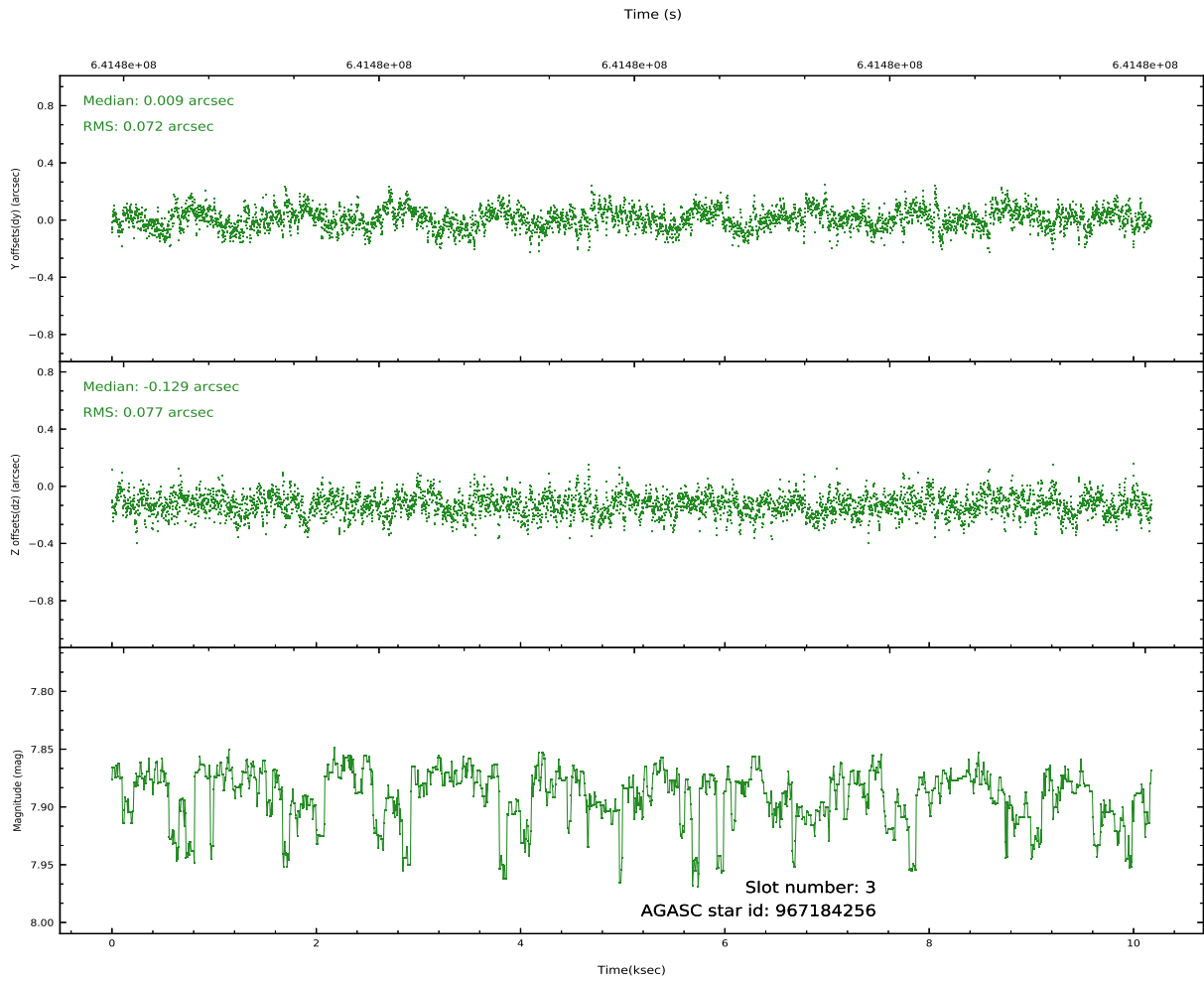
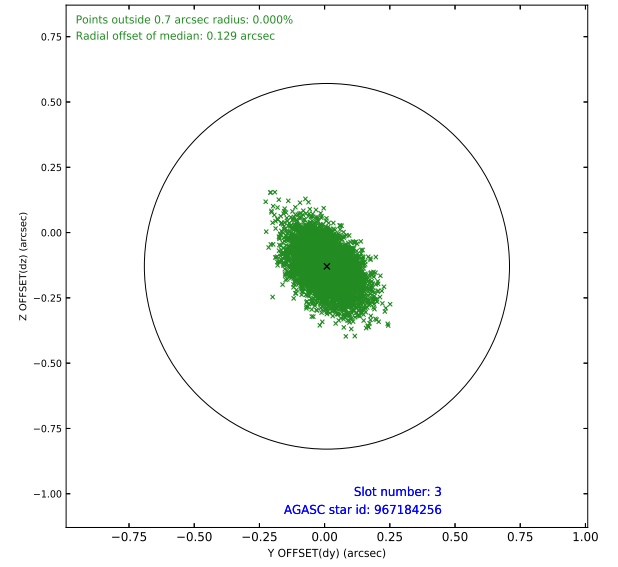
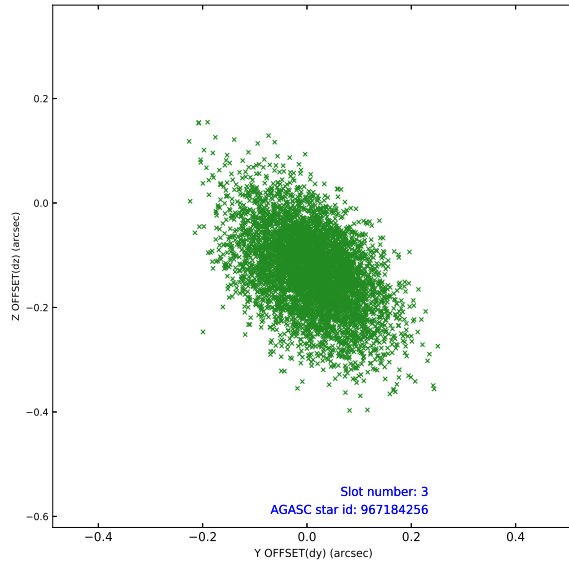


Slot Statistics

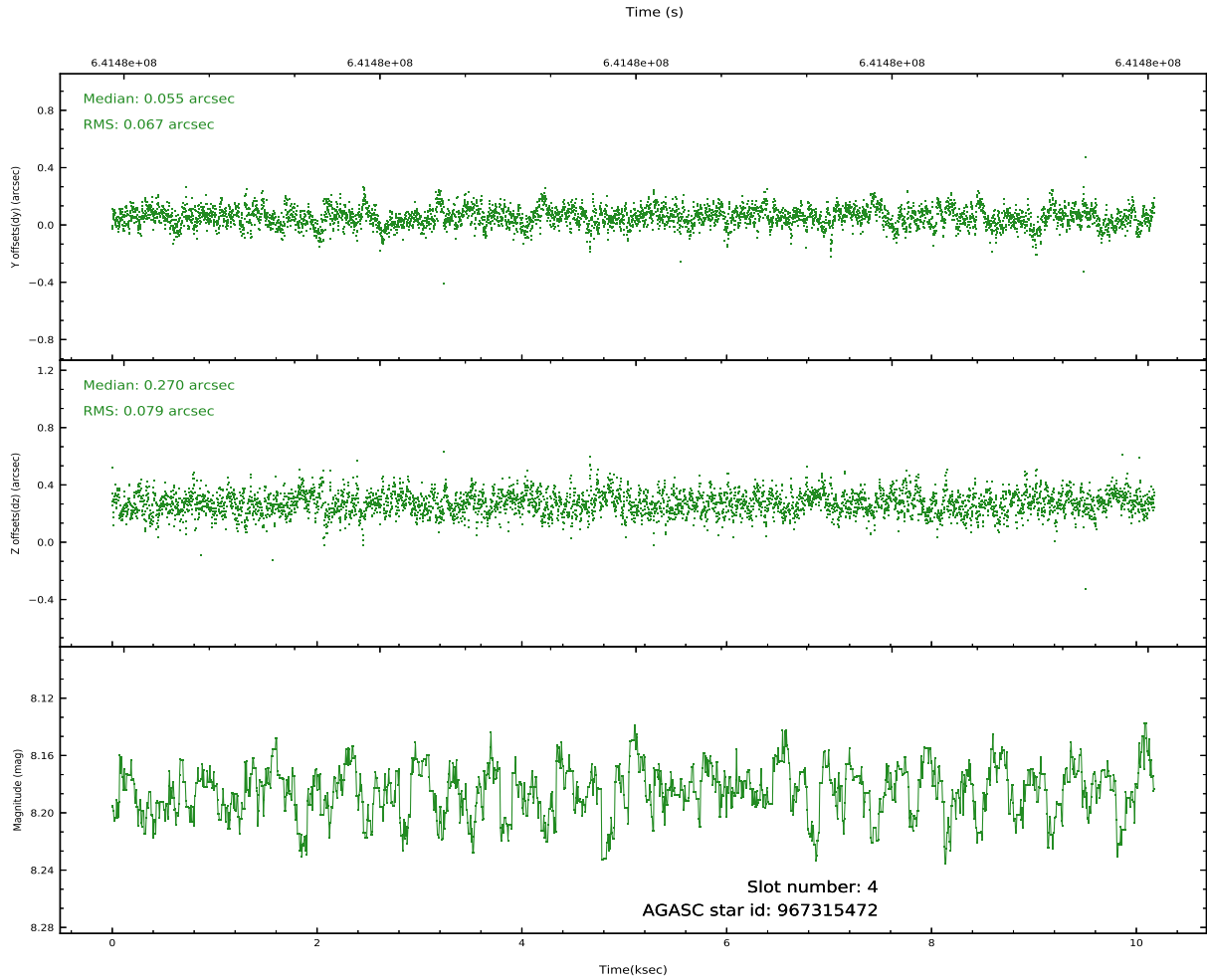
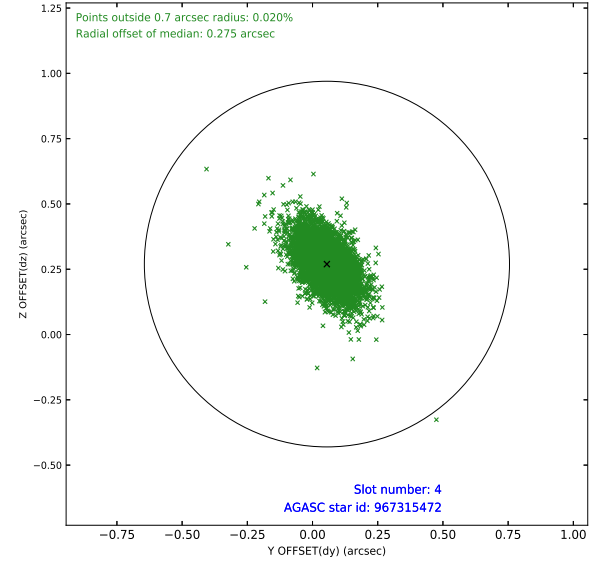
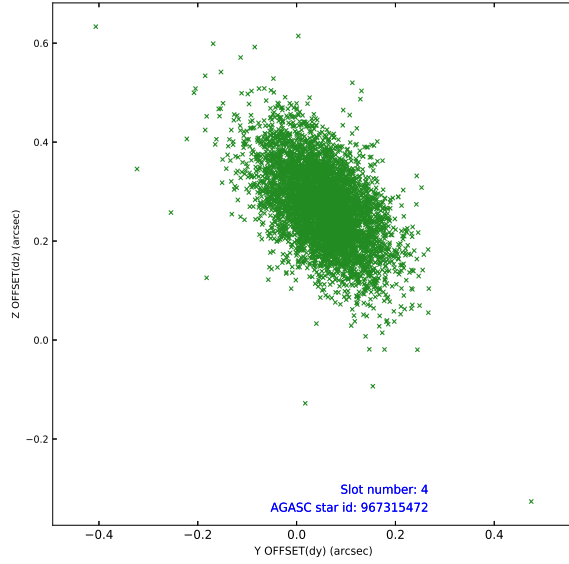
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	2482	1.000	0.303	-0.222	0.009	0.015	0.000000	0.000000	922.93	-1738
1	FID		ACIS-S-5	7.22	2482	1.000	-0.249	0.235	0.011	0.018	0.000000	0.000000	-1826.12	159
2	FID		ACIS-S-6	7.38	2482	1.000	-0.075	-0.001	0.008	0.012	0.000000	0.000000	387.82	803
3	GUIDE	used	967184256	7.89	4961	1.000	0.009	-0.129	0.109	0.187	262.701584	-33.609898	-902.30	1907
4	GUIDE	used	967315472	8.18	4964	1.000	0.055	0.270	0.104	0.187	264.067970	-33.306356	543.27	-2084
5	GUIDE	used	967318888	7.14	4965	1.000	-0.009	0.292	0.097	0.168	263.984827	-33.432377	71.08	-1873
6	GUIDE	used	967183704	8.02	4964	1.000	-0.161	-0.443	0.100	0.172	262.631346	-32.929139	1517.75	2347
7	GUIDE	used	967708640	7.14	4964	1.000	0.106	0.009	0.102	0.174	263.157598	-33.796198	-1444.81	486

2.4 Star Slots

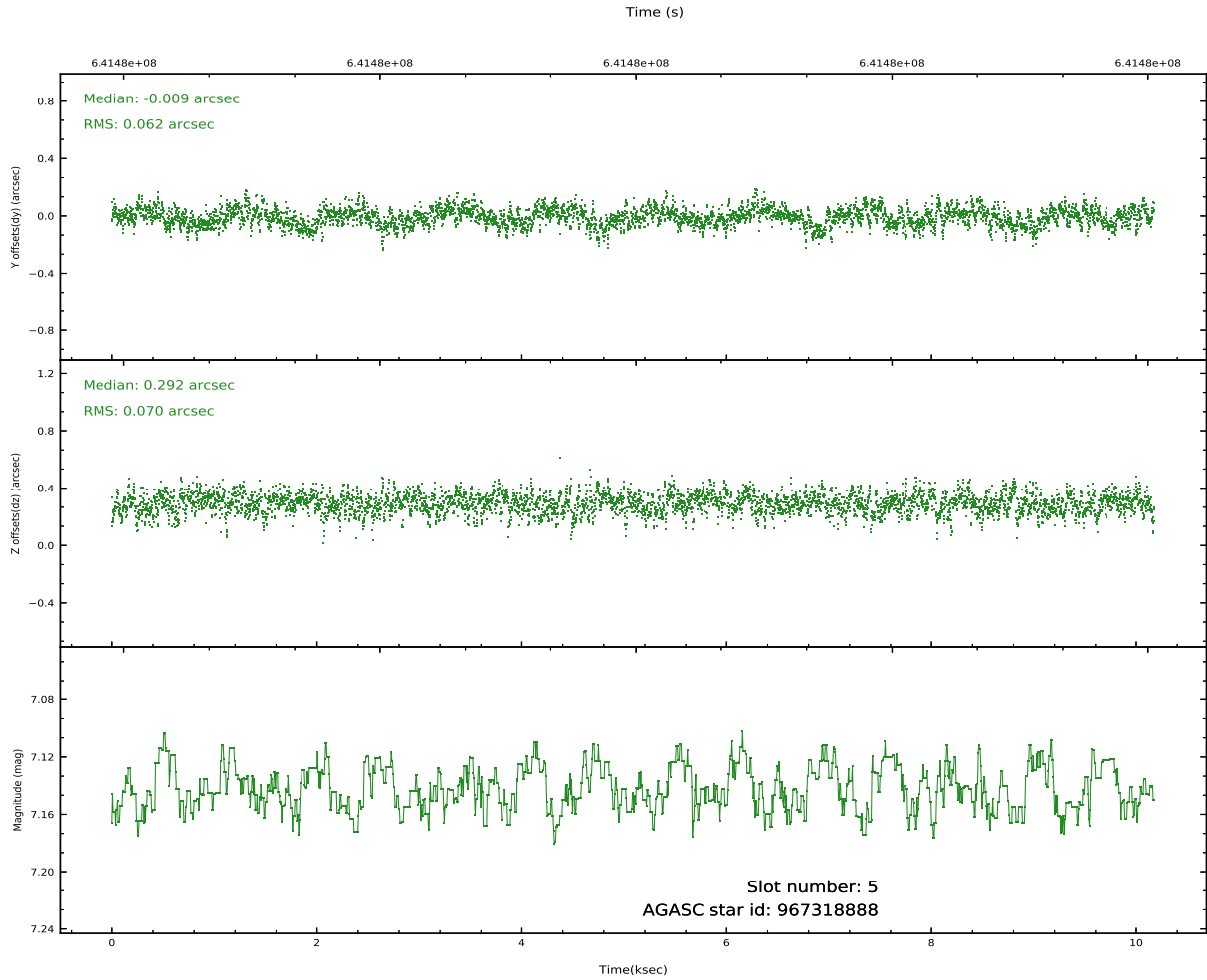
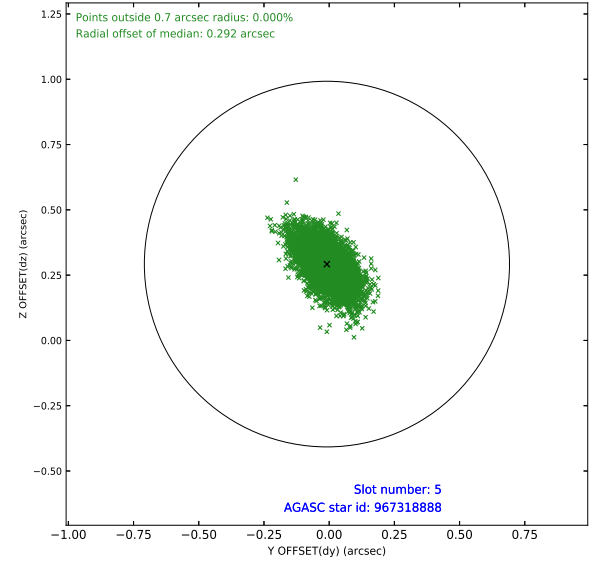
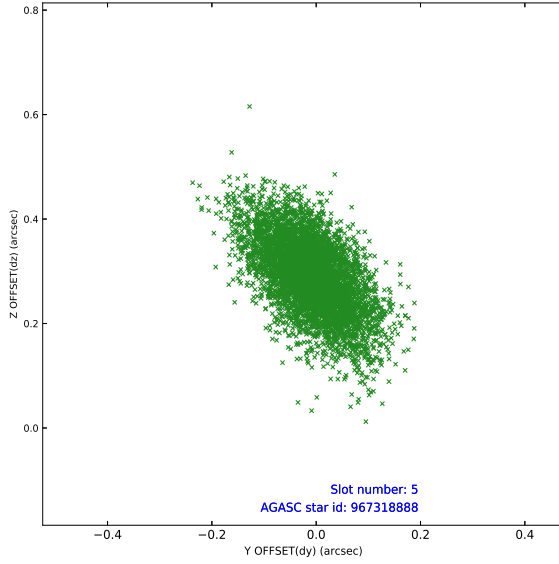
2.4.1 Slot 3



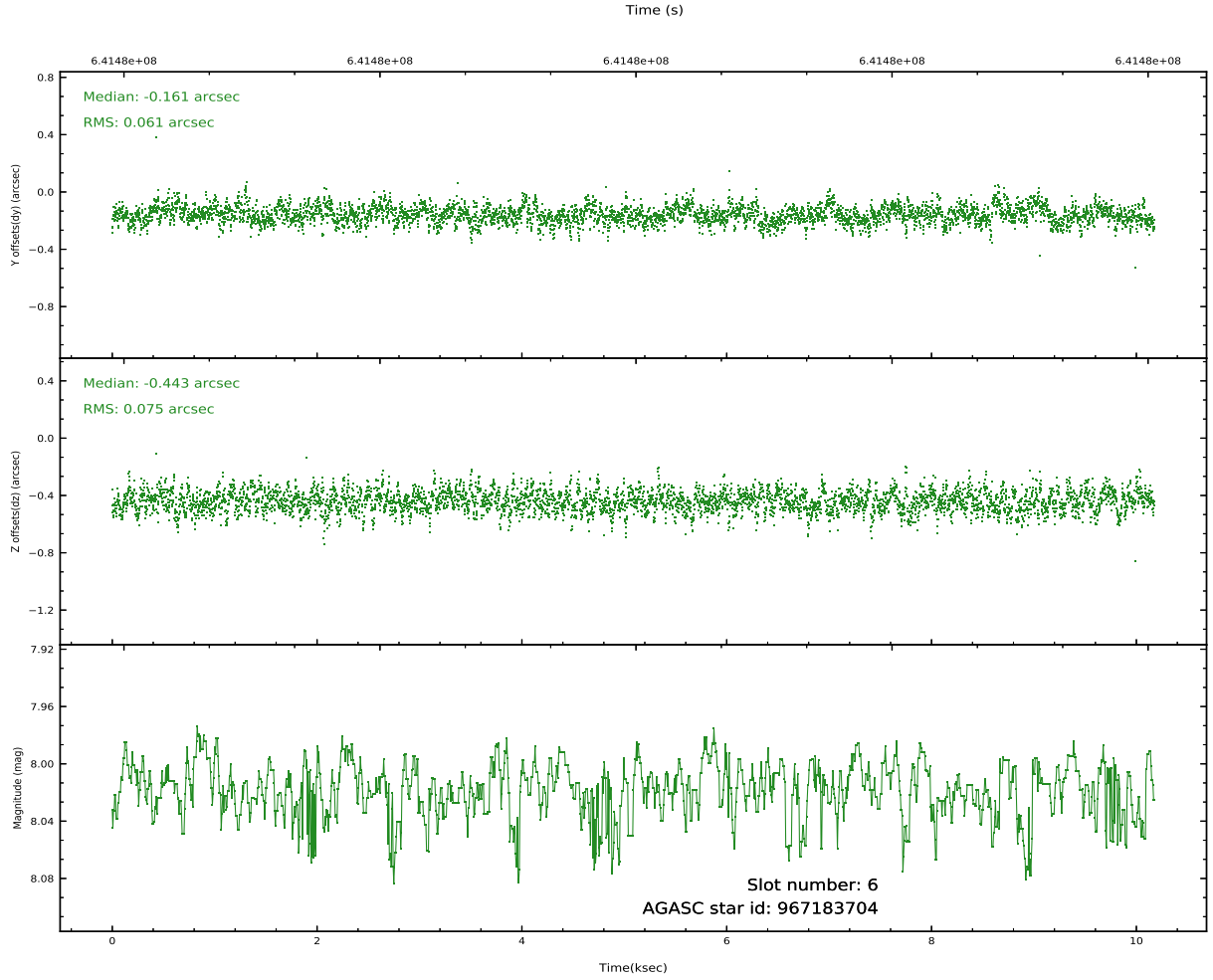
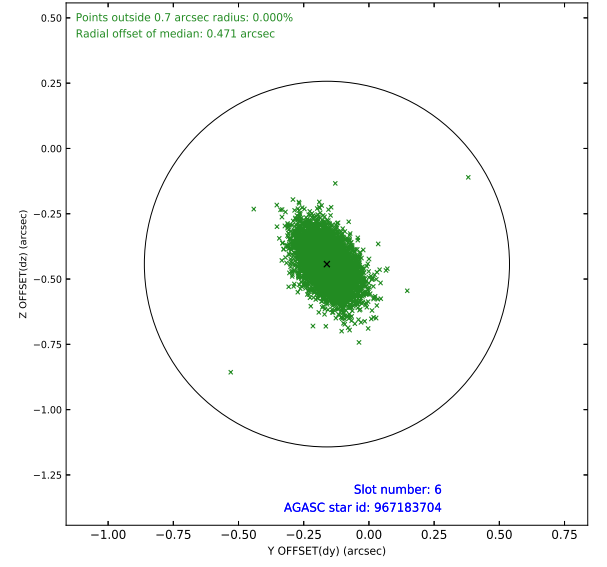
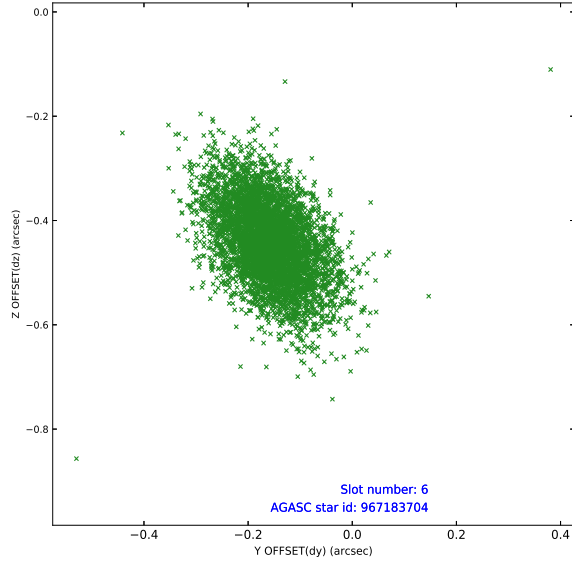
2.4.2 Slot 4



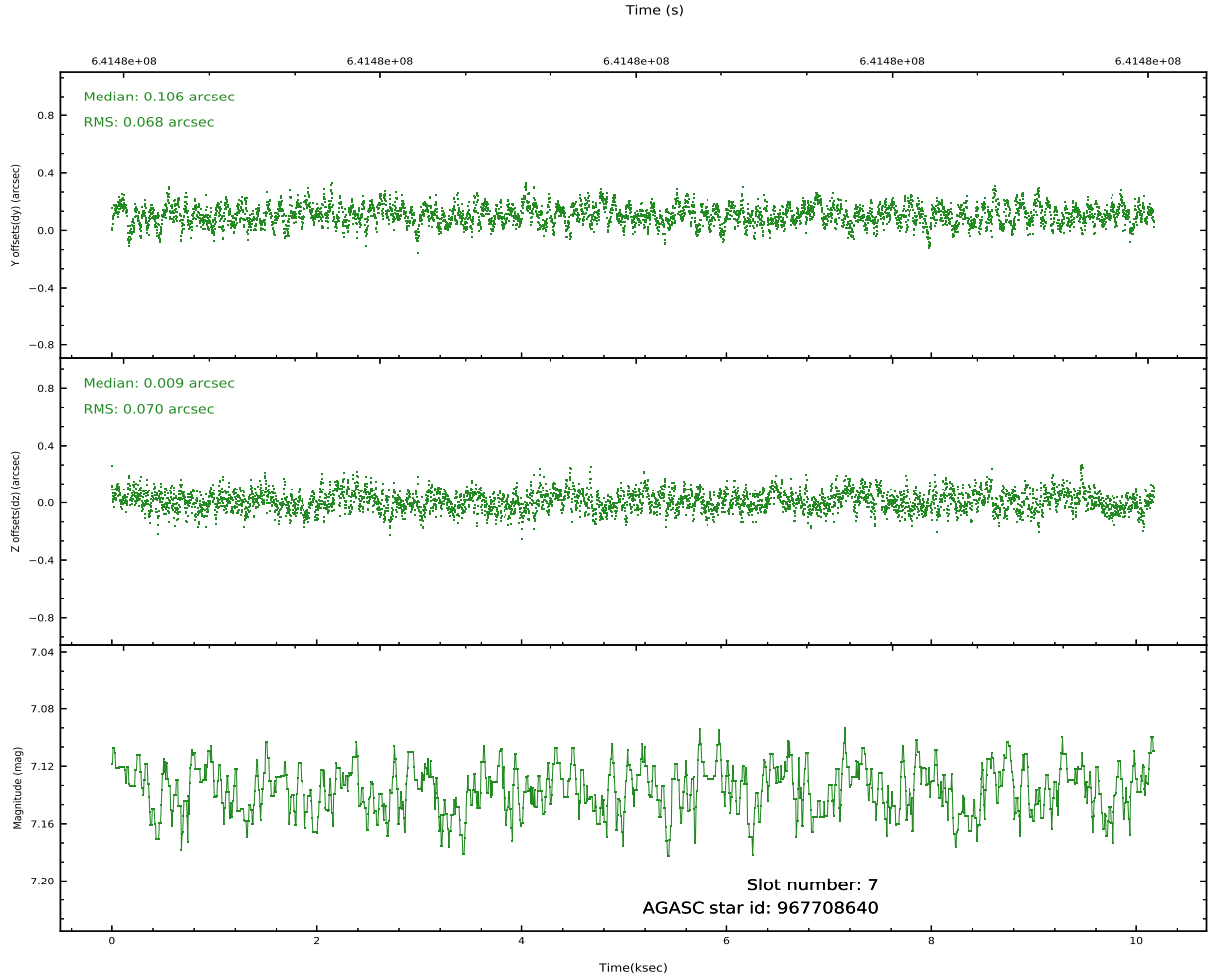
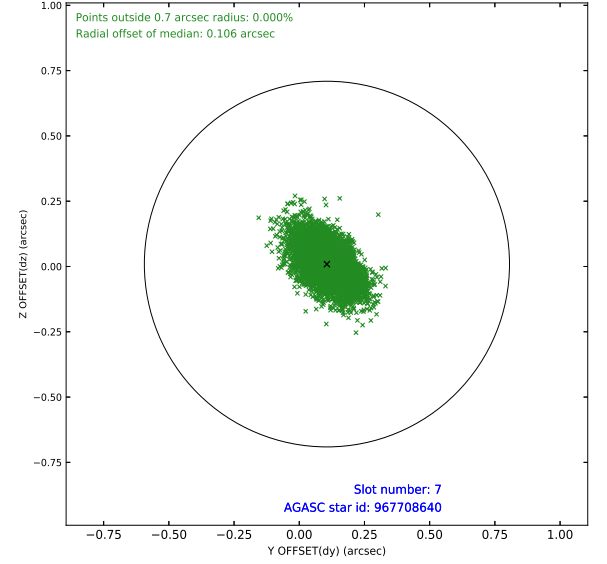
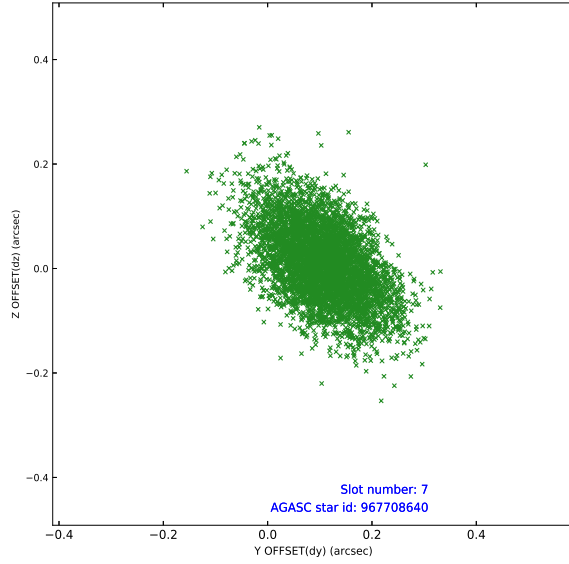
2.4.3 Slot 5



2.4.4 Slot 6

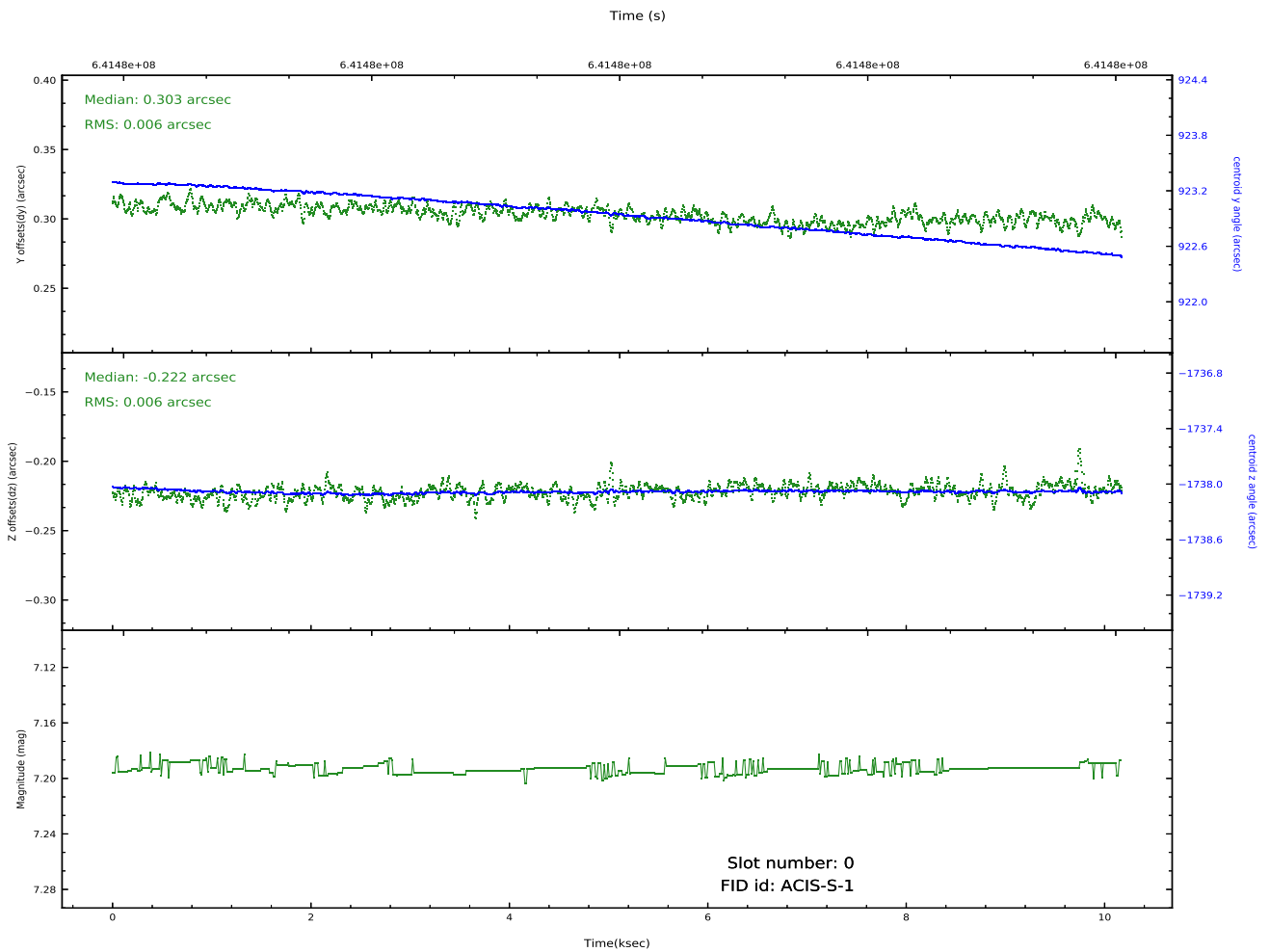
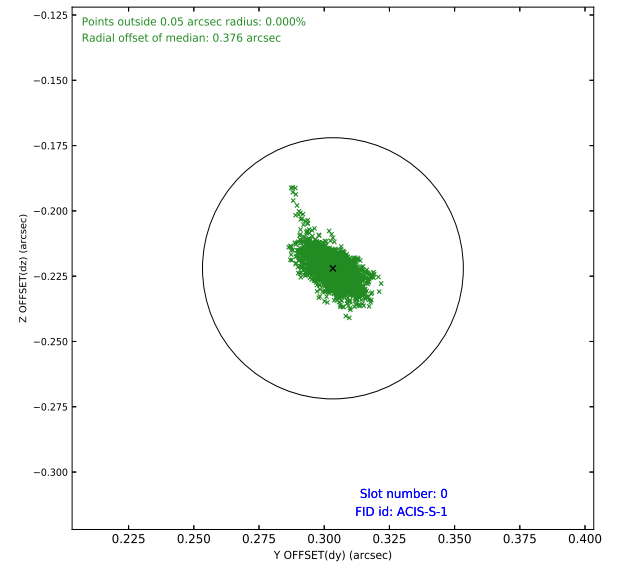
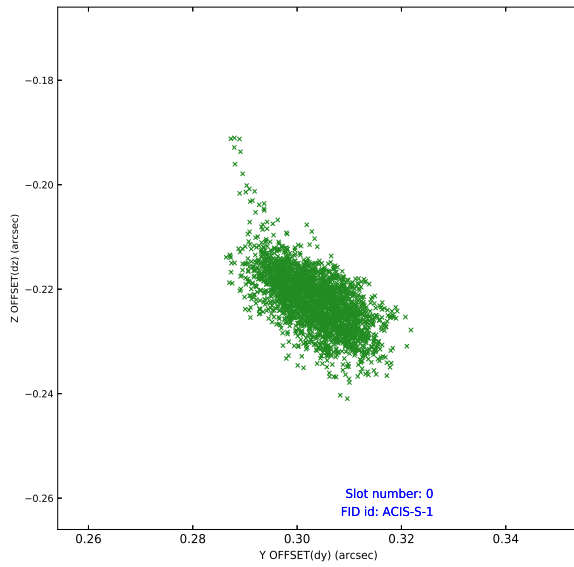


2.4.5 Slot 7

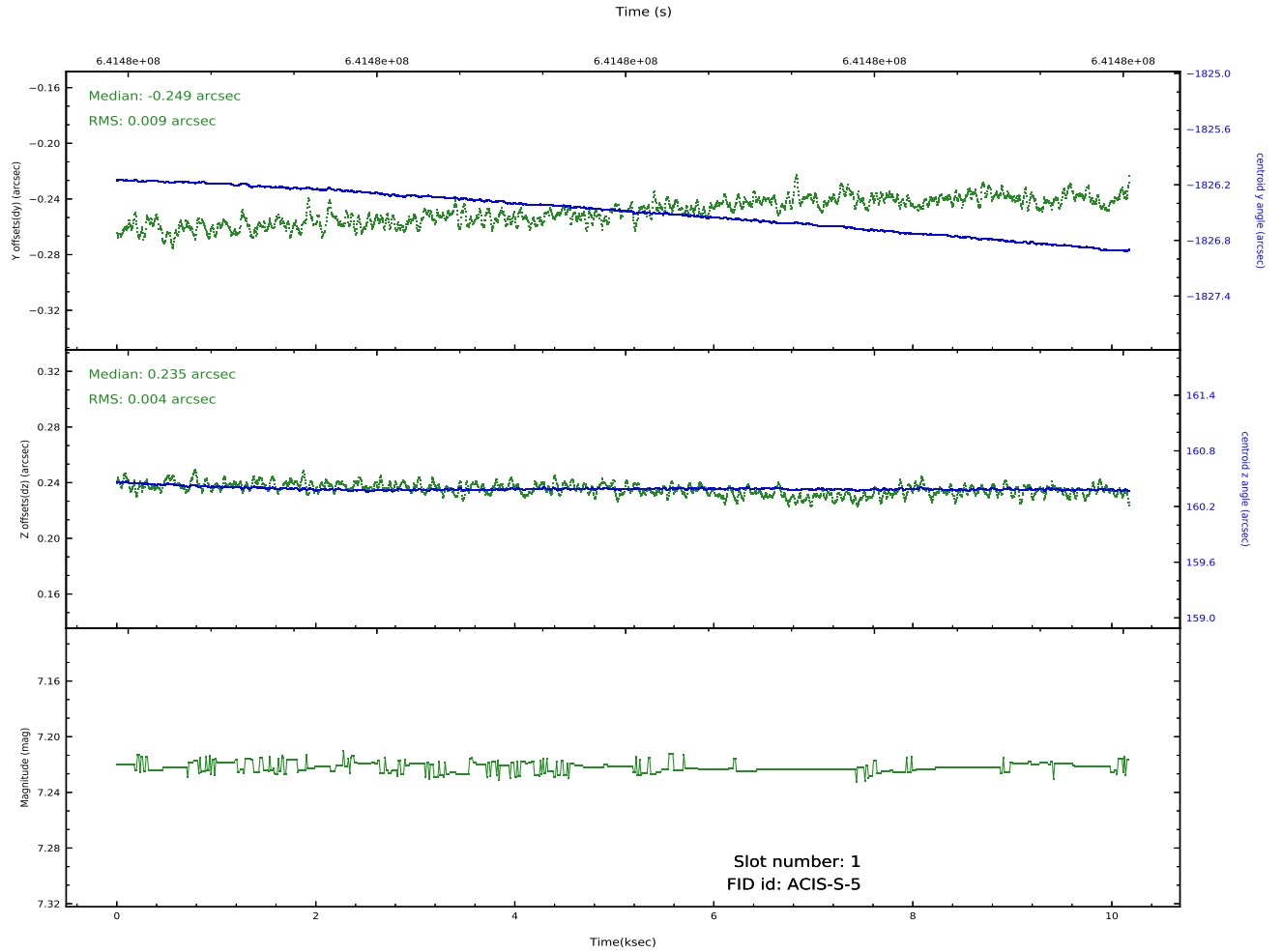
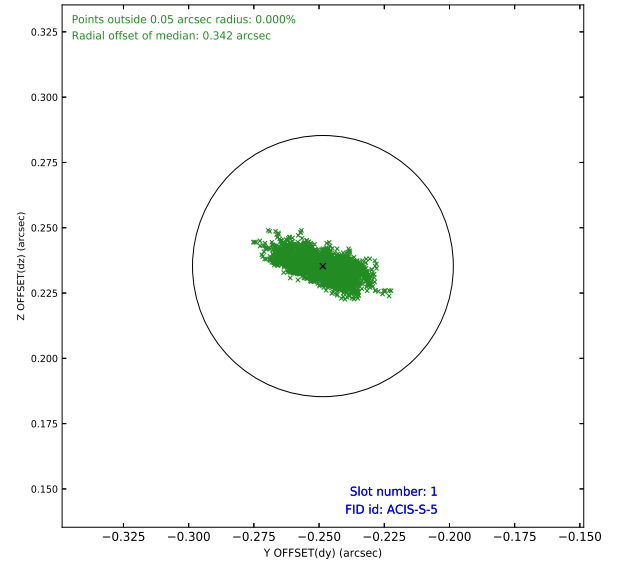
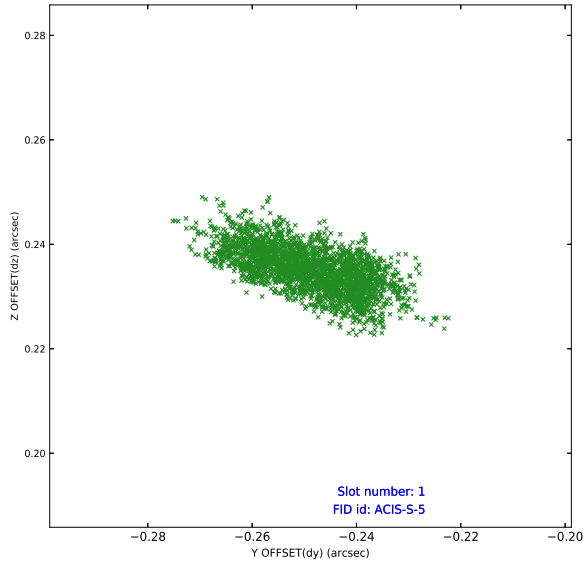


2.5 FID Slots

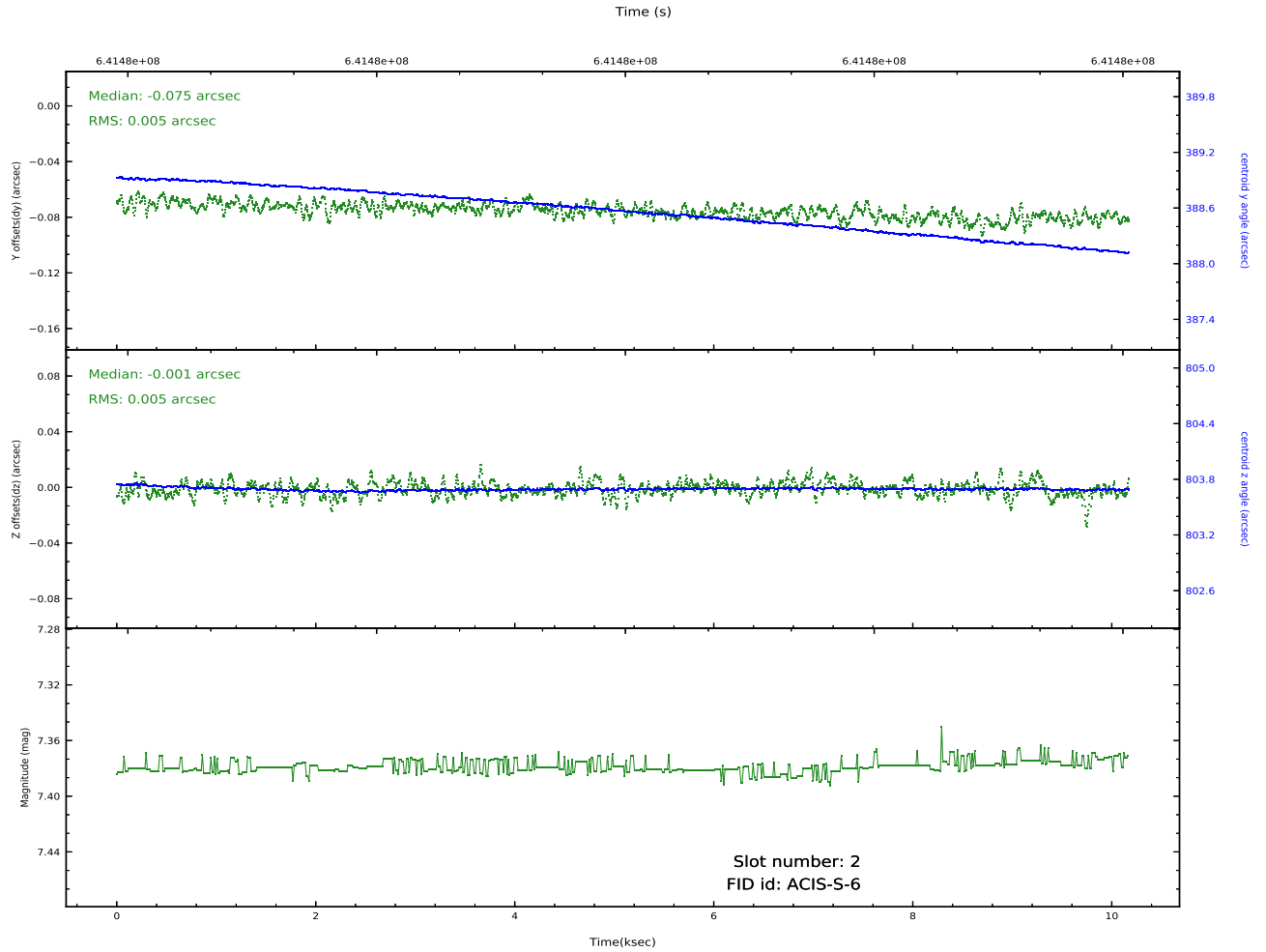
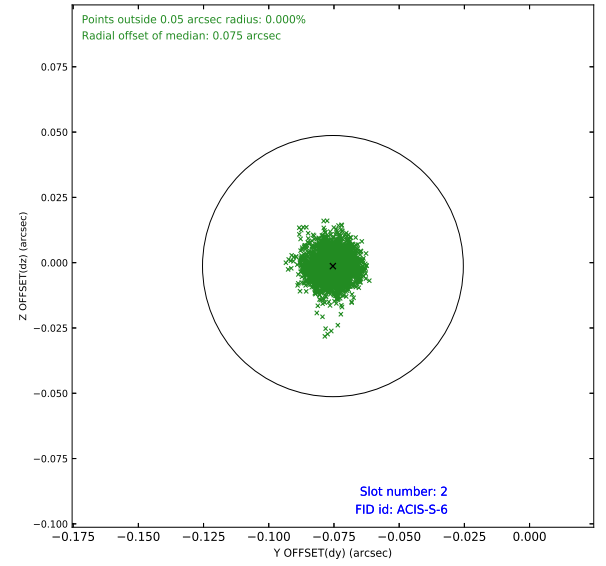
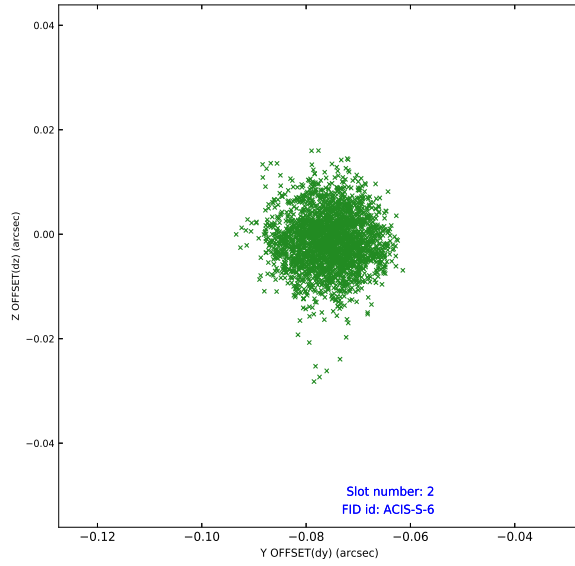
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.068759477019

A.2 Comments

Joint proposal with HST.