

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4923 - L2 Version 4
Chandra X-Ray Center

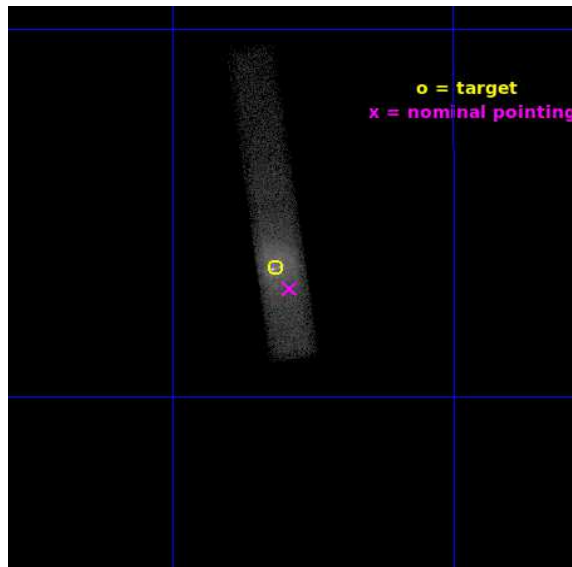
L2 Processing Date : Sep 28 2020

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1 Front

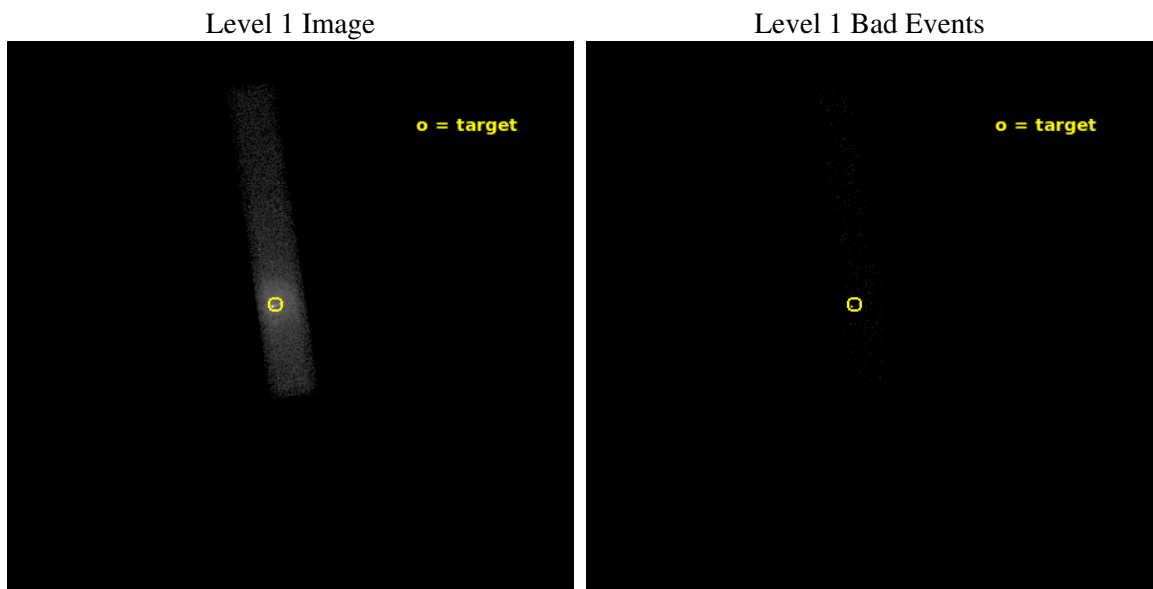
seq_num	701004	Sequence number
obs_id	4923	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69775860593	Nominal RA [deg]
dec_nom	12.382297868248	Nominal Dec [deg]
roll_nom	262.15932279224	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5108.8000760972	Sum of GTIs [s]
livetime	4633.4120044416	Livetime [s]
ontime7	5108.8000760972	Sum of GTIs [s]
l2events	58290	Number of level 2 events



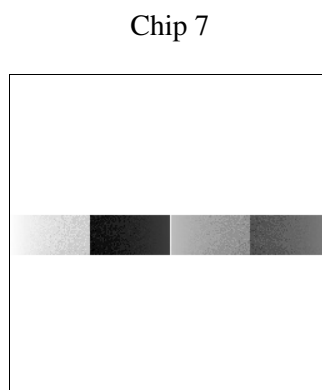
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5108.8000760972	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5108.8000760972	Sum of GTIs [s]
date	2020-09-28T06:02:04	Date and time of file creation	l1events	67453	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

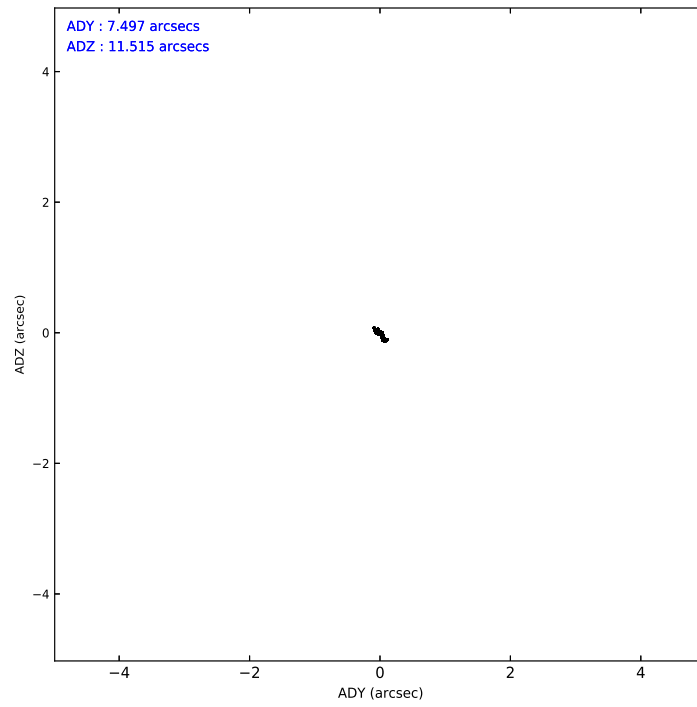
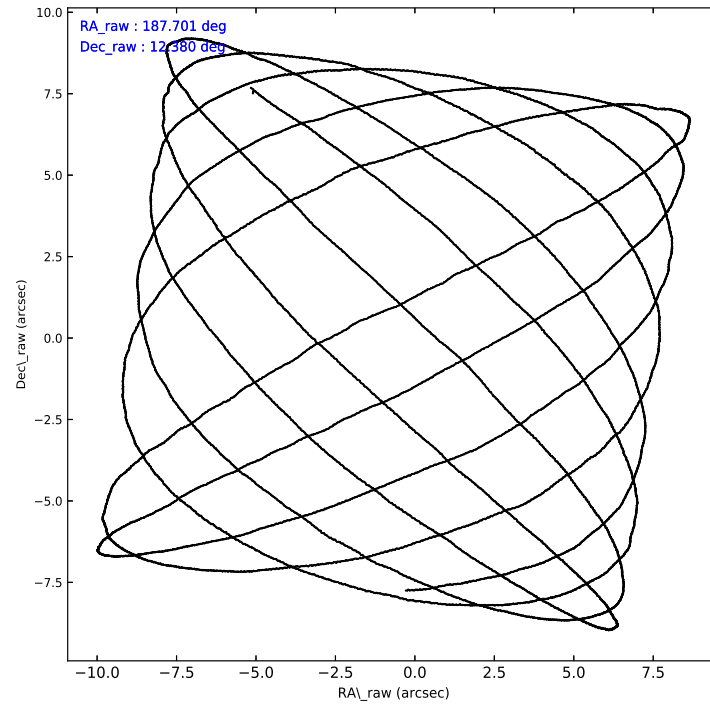
	ccd 7
level 1 events	67453
rejected events	8558
rejected %	12%

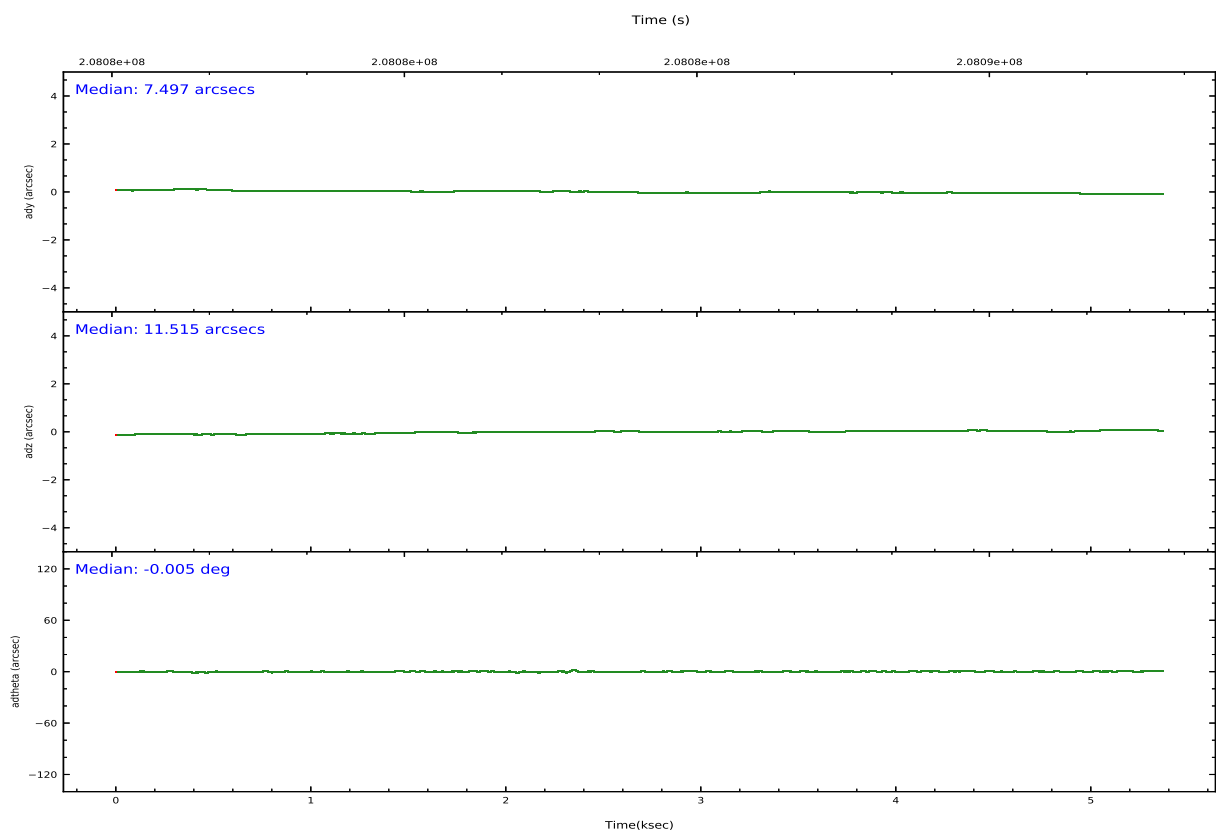
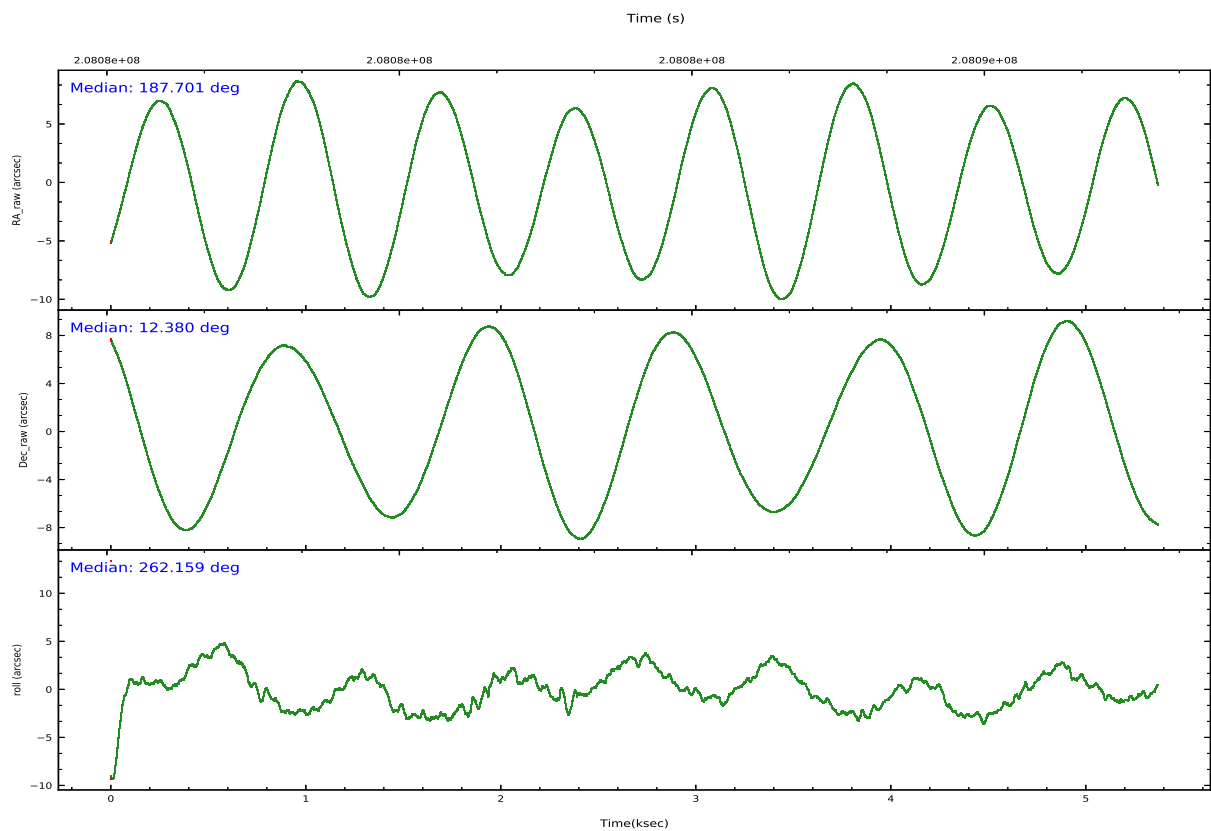
	ccd 7
grade 0 events	18155
	26%
grade 1 events	426
	0%
grade 2 events	14830
	21%
grade 3 events	6747
	10%
grade 4 events	6608
	9%
grade 5 events	2405
	3%
grade 6 events	12579
	18%
grade 7 events	5703
	8%

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	187.689852	187.69775860593	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.404746	12.382297868248	Subarray start row	449	449
[deg] Pointing Roll	262.003071	262.15932279224	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)	208081292.184000	208080711.58704			
Observation start date	2004-08-05T08:20:28	2004-08-05T08:11:51			
[s] Observation end time (MET)	208086392.184000	208086862.61231			
Observation end date	2004-08-05T09:45:28	2004-08-05T09:54:22			
Read mode	TIMED	TIMED			

2.3 Aspect



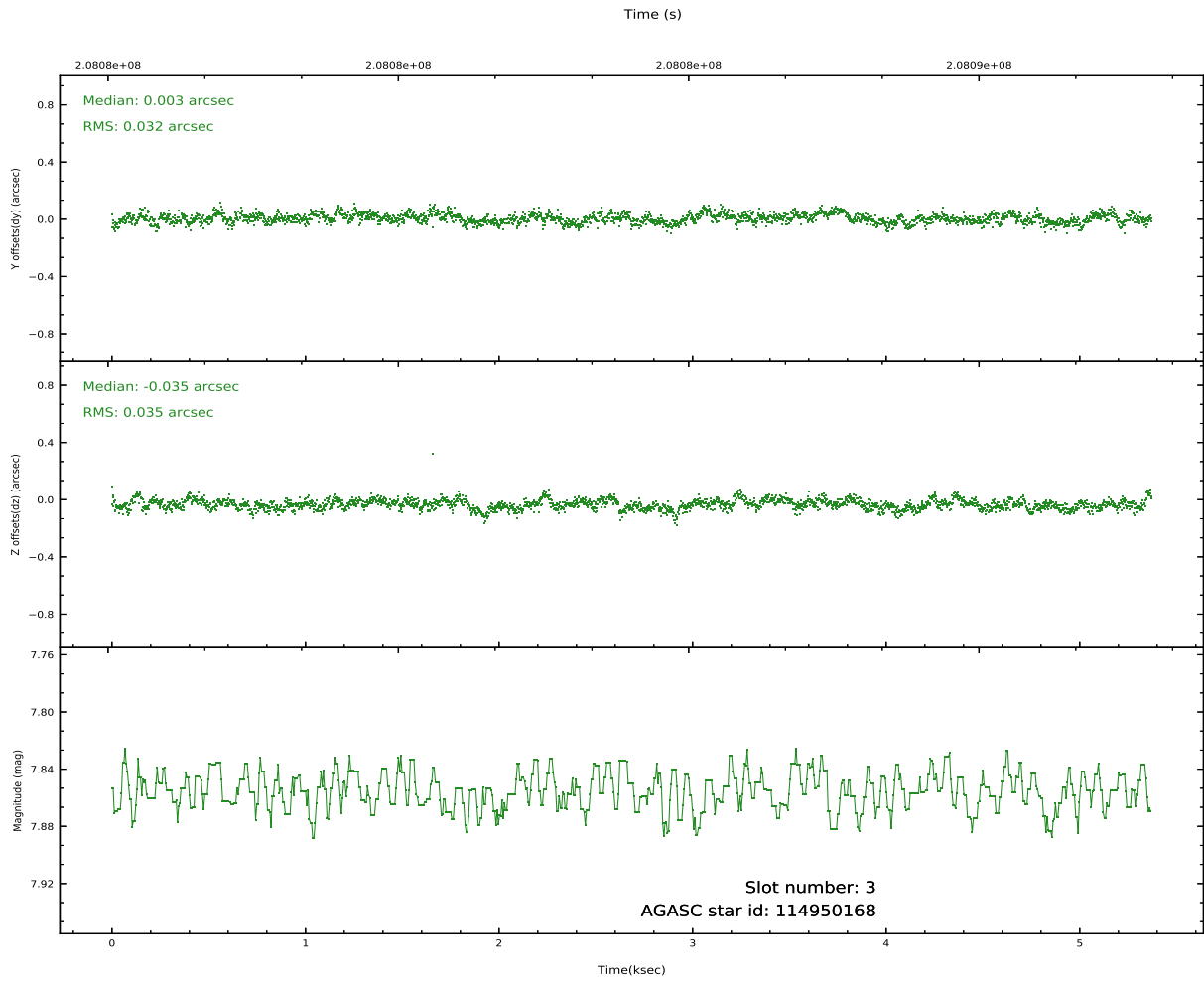
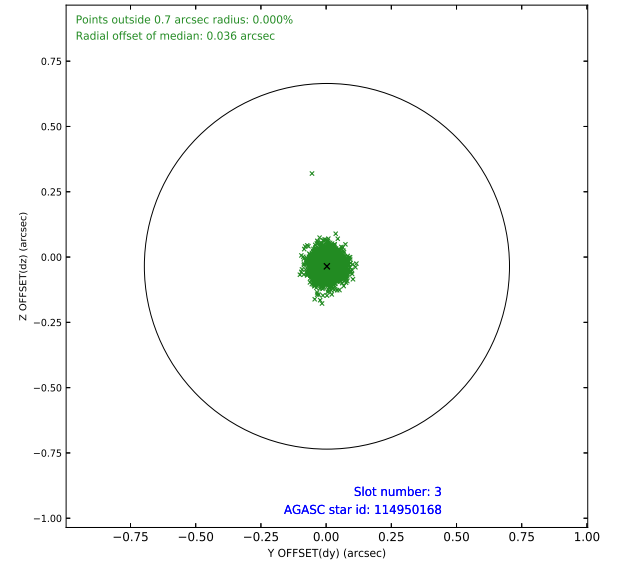
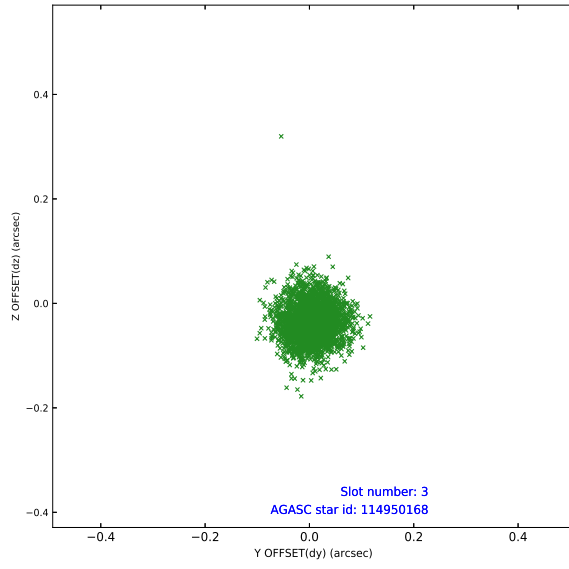


Slot Statistics

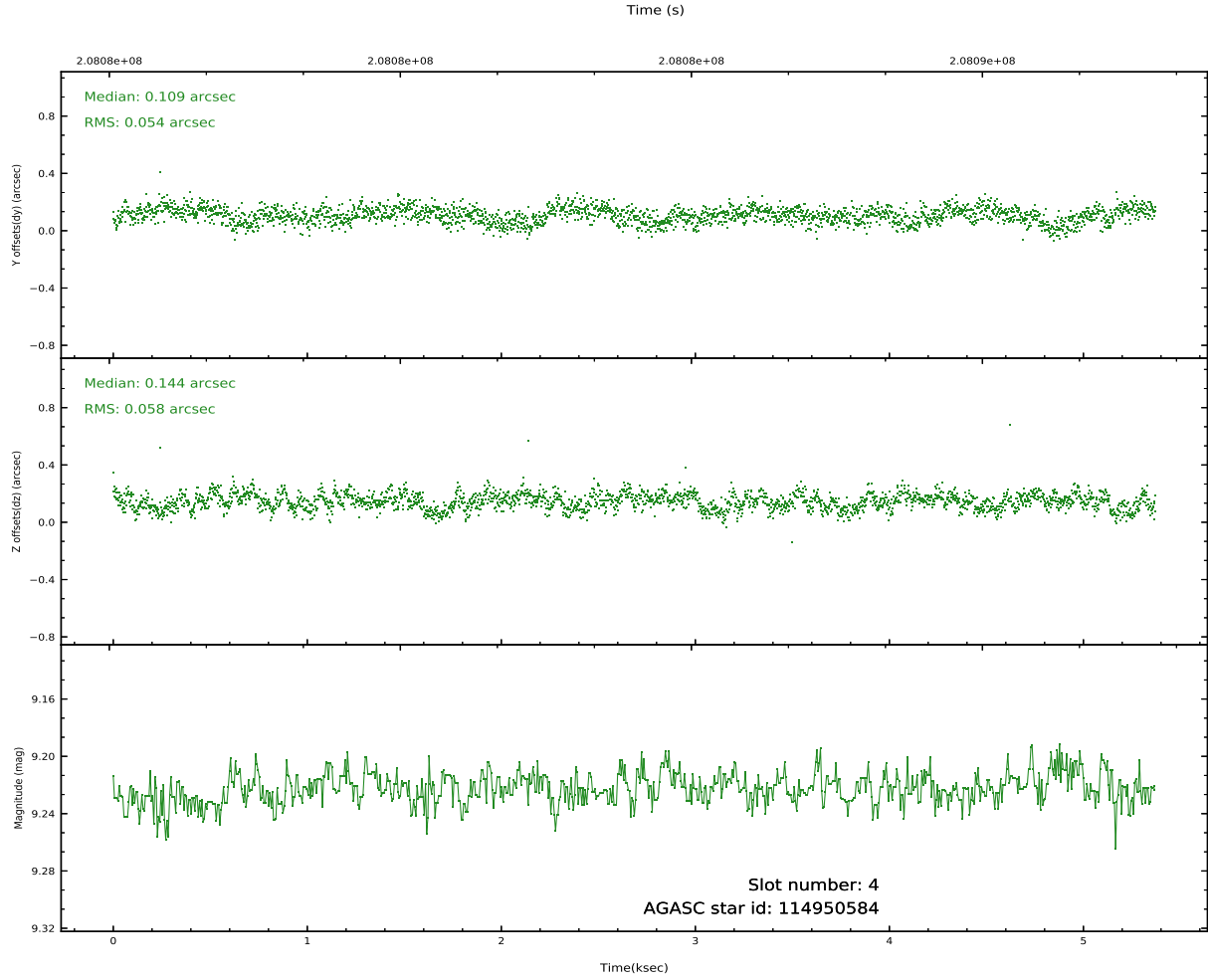
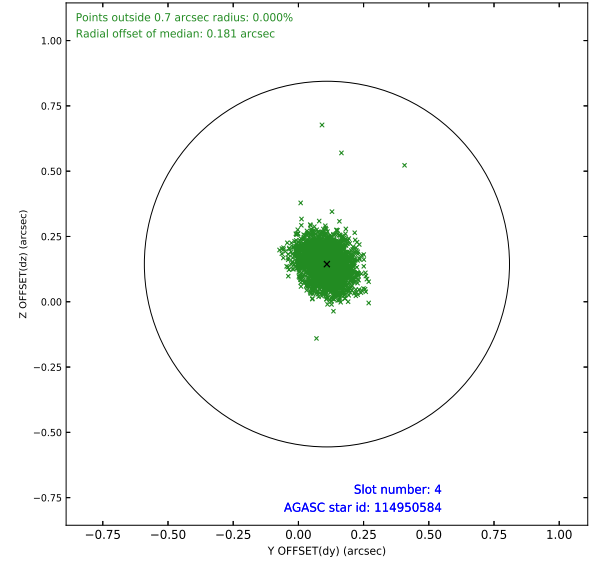
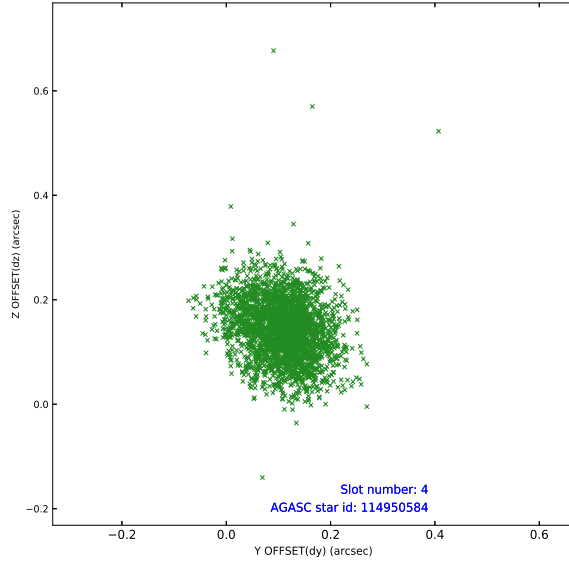
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1311	1.000	-0.058	-0.048	0.007	0.011	0.000000	0.000000	-760.28	-1732
1	FID		ACIS-S-4	7.20	1311	1.000	0.129	0.041	0.007	0.012	0.000000	0.000000	2152.63	174
2	FID		ACIS-S-5	7.23	1311	1.000	-0.103	0.016	0.006	0.011	0.000000	0.000000	-1811.77	169
3	GUIDE	used	114950168	7.86	2619	1.000	0.003	-0.035	0.051	0.080	187.143398	12.117441	1290.43	-1761
4	GUIDE	used	114950584	9.22	2615	1.000	0.109	0.144	0.084	0.133	187.487323	11.827248	2158.79	-418
5	GUIDE	used	114955056	8.32	2621	1.000	0.066	0.126	0.063	0.101	187.914001	12.127854	878.23	919
6	GUIDE	used	114955568	7.55	2621	1.000	0.133	-0.110	0.054	0.088	187.061916	11.826551	2367.54	-1902
7	GUIDE	used	115348424	9.51	2618	1.000	-0.312	-0.123	0.104	0.168	187.199498	13.087929	-2196.84	-2046

2.4 Star Slots

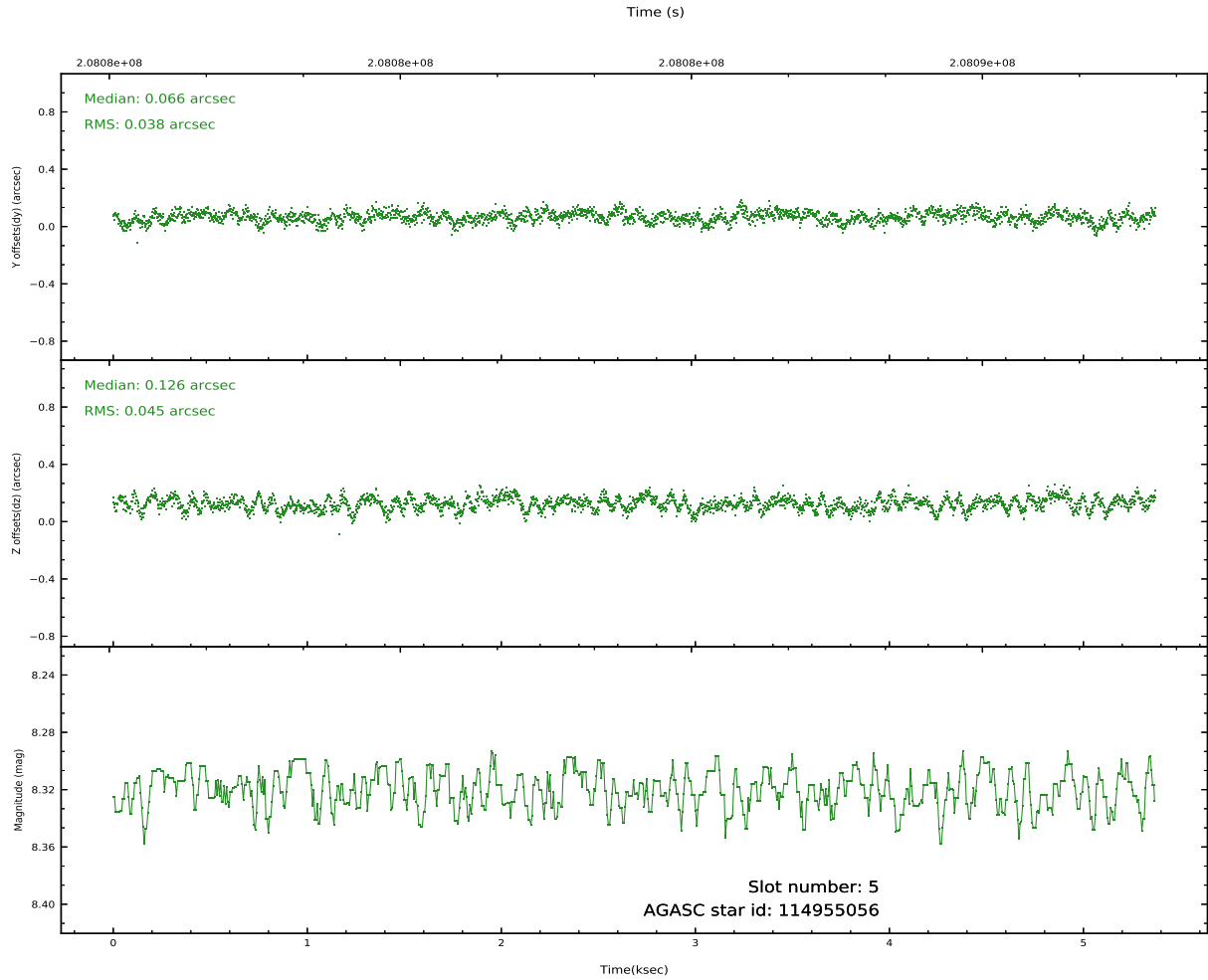
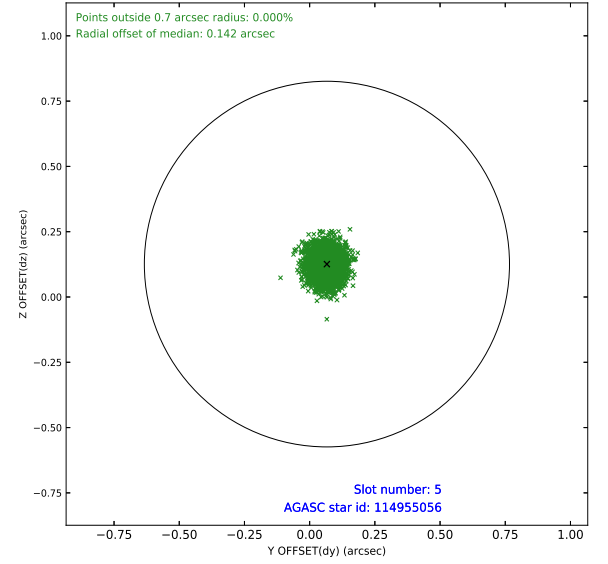
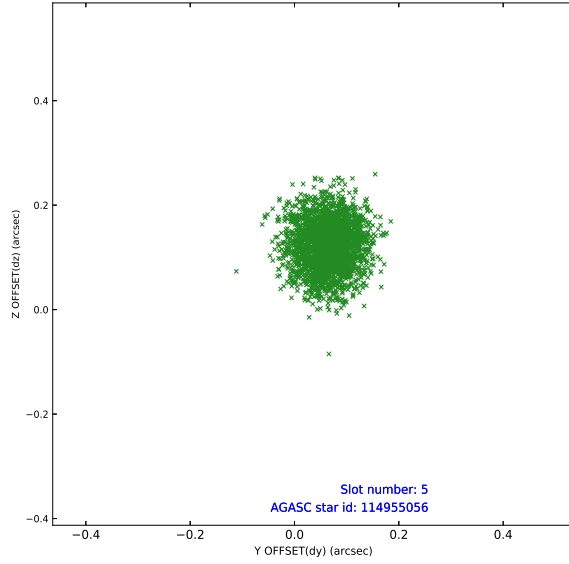
2.4.1 Slot 3



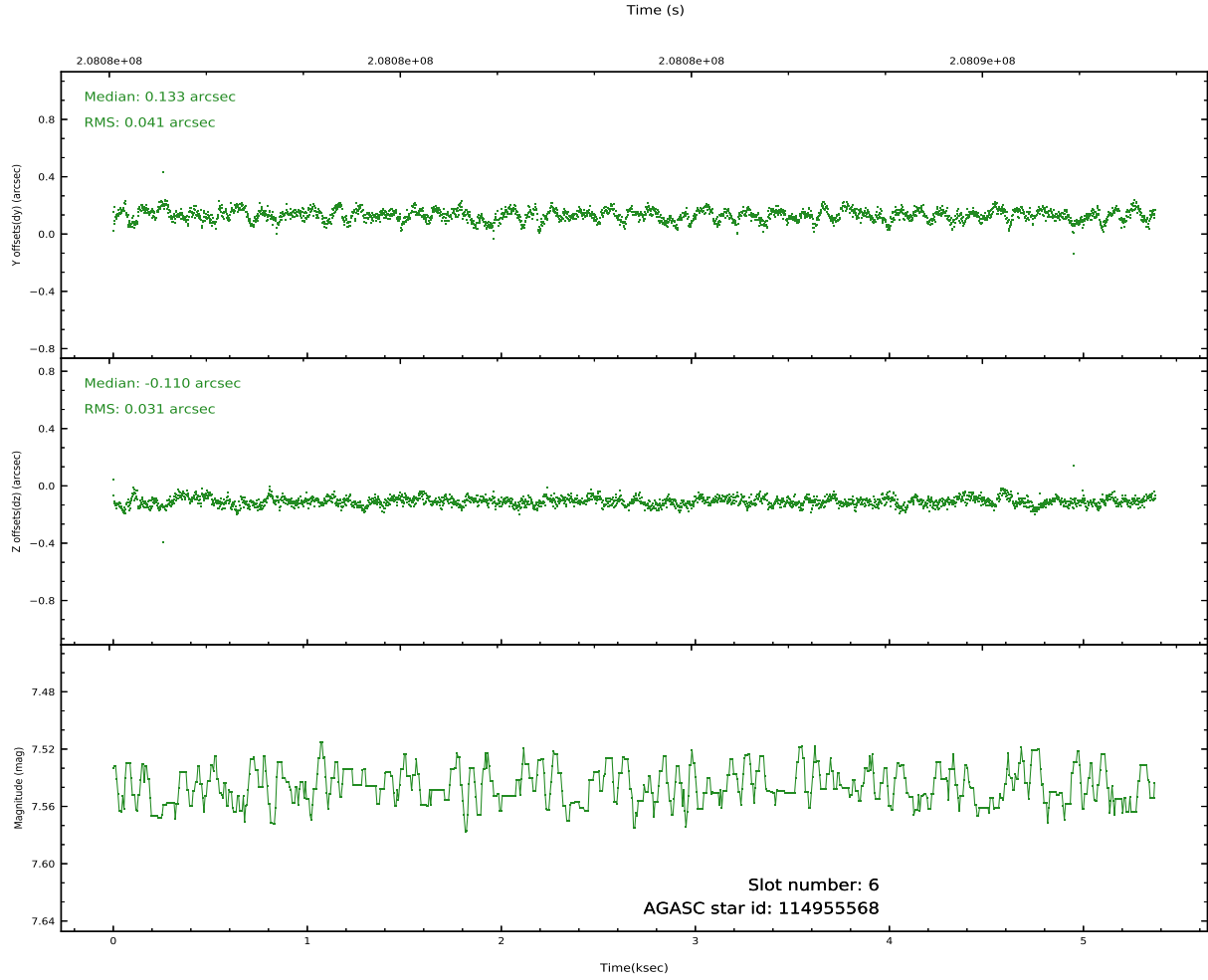
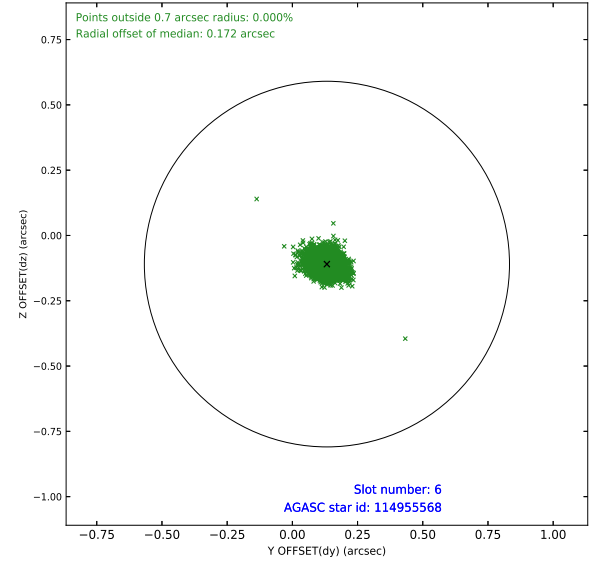
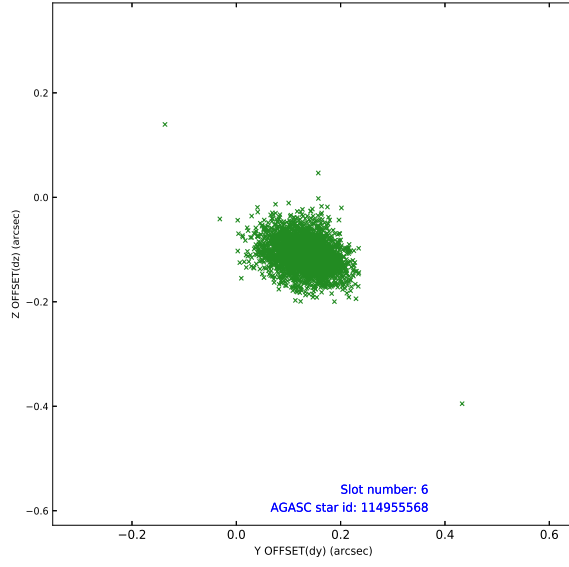
2.4.2 Slot 4



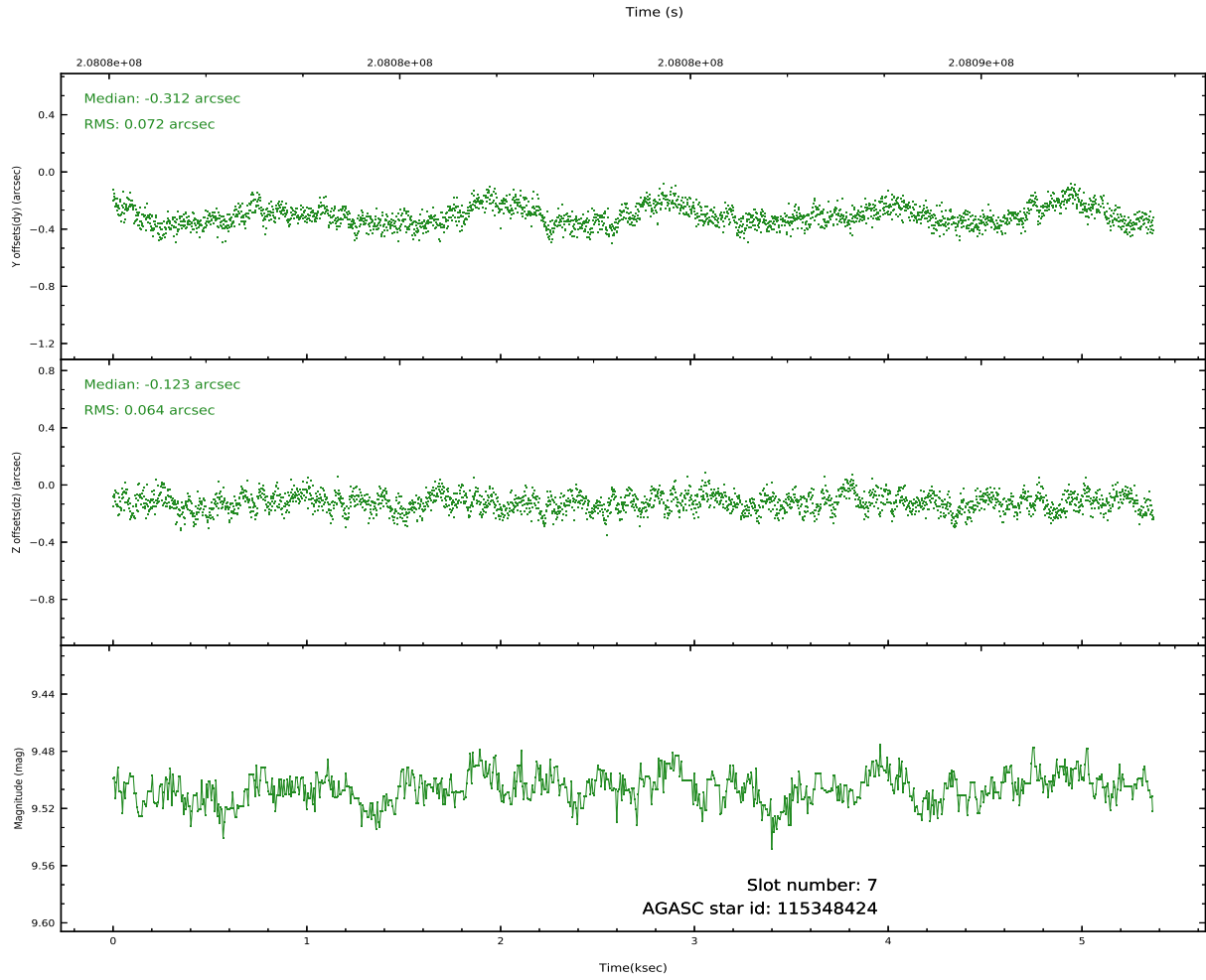
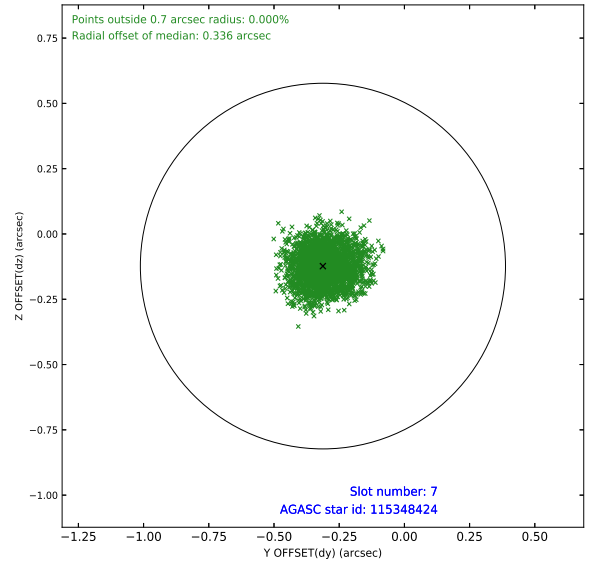
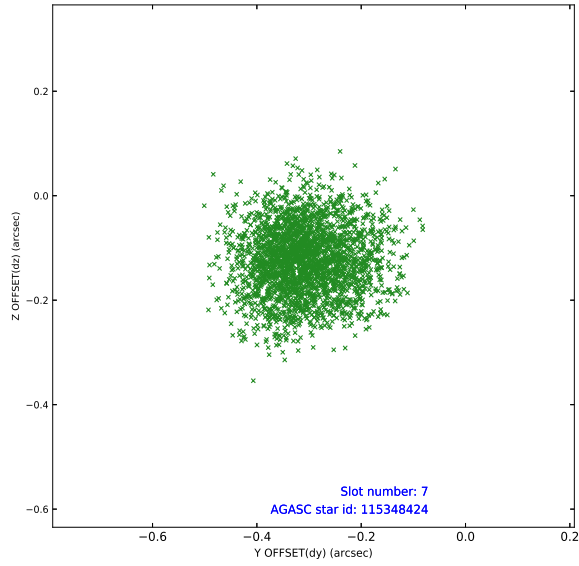
2.4.3 Slot 5



2.4.4 Slot 6

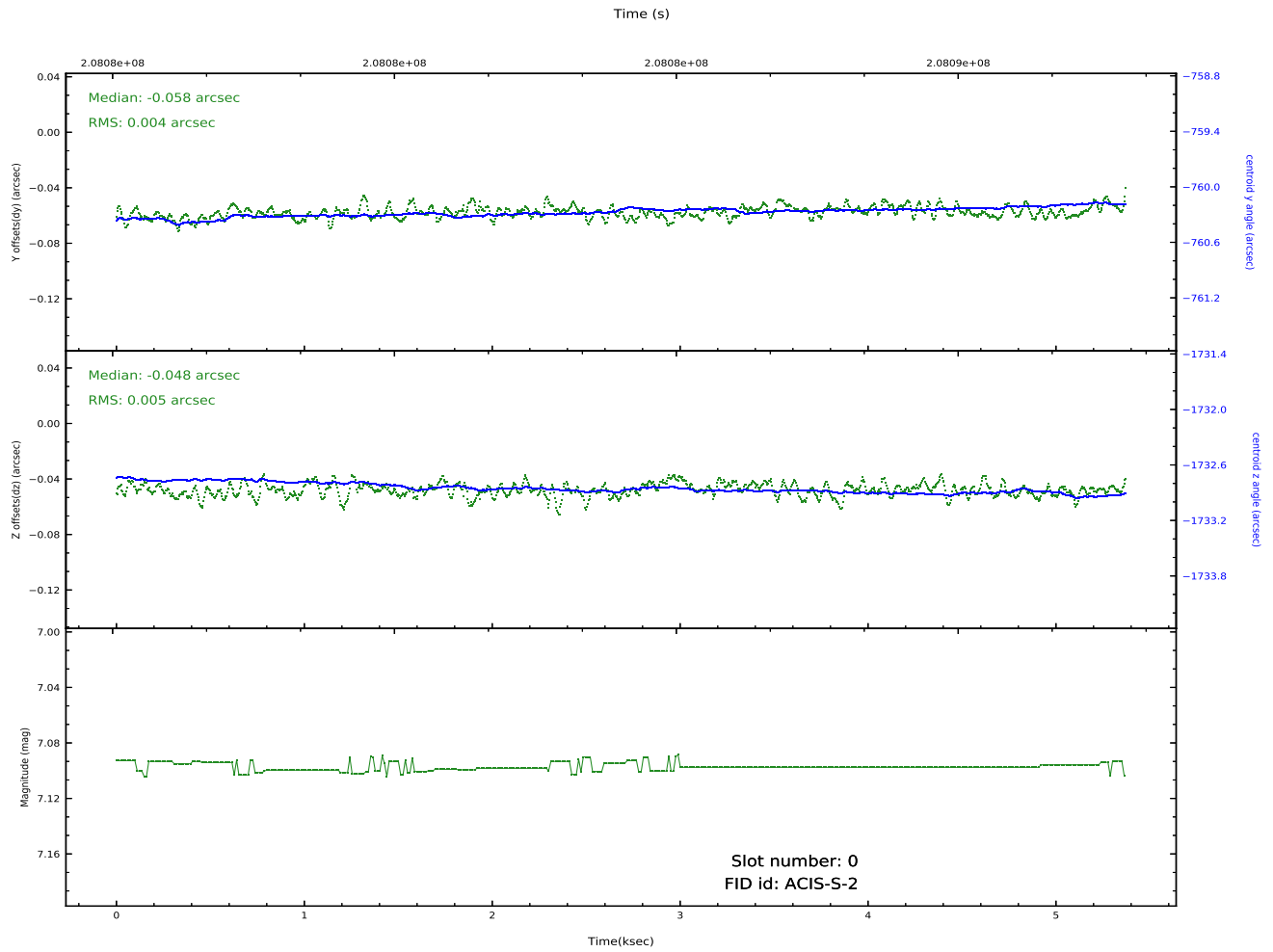
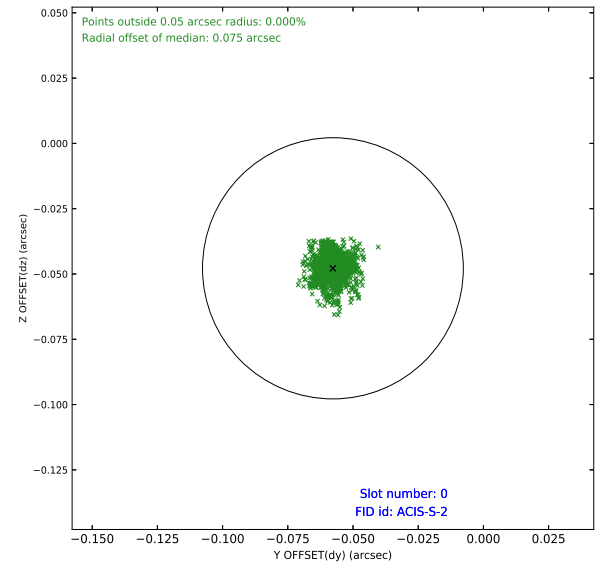
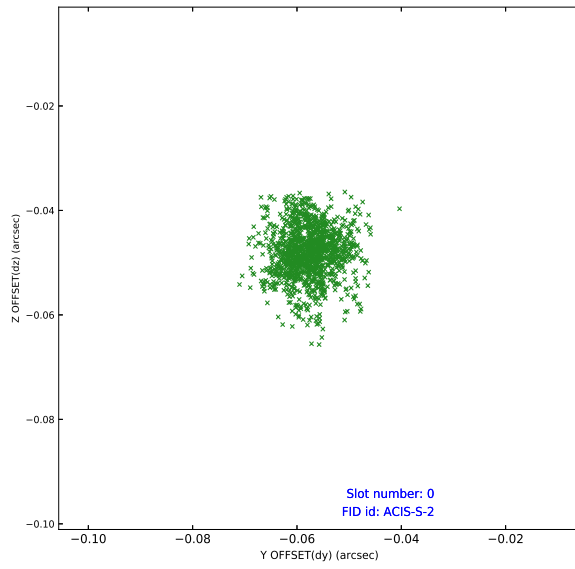


2.4.5 Slot 7

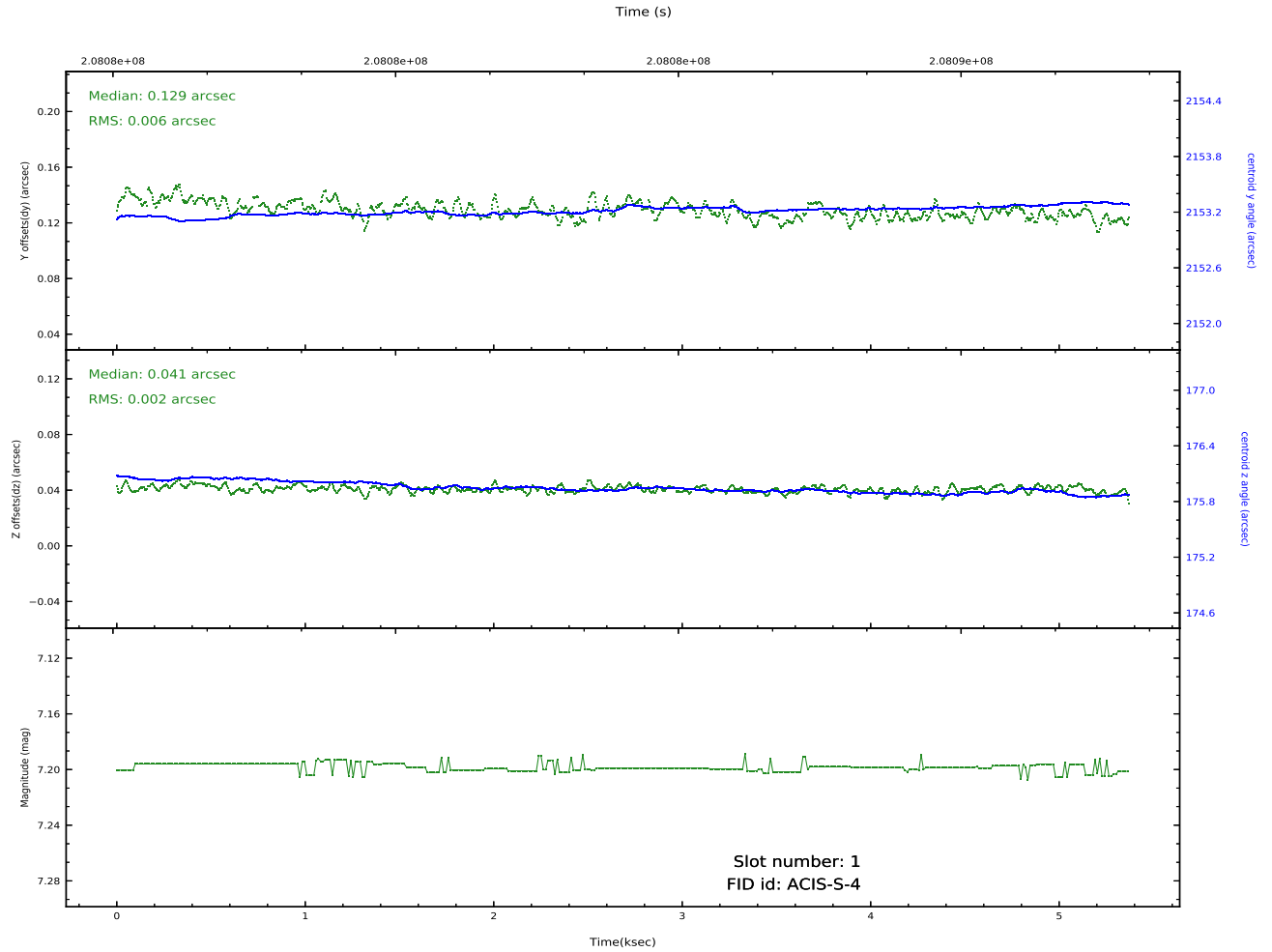
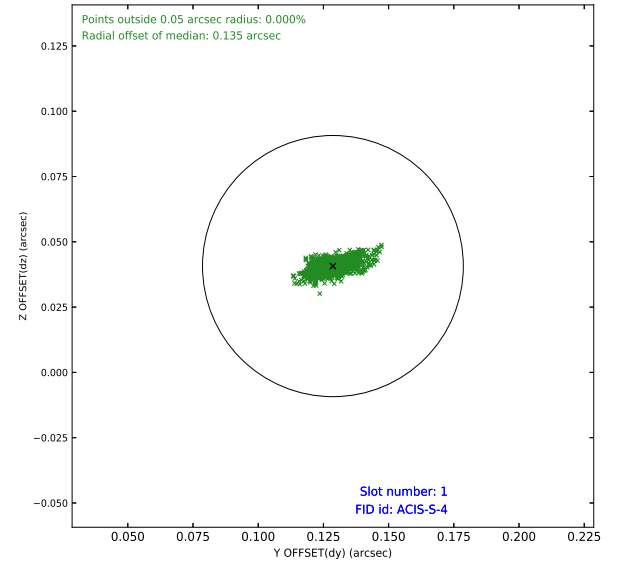
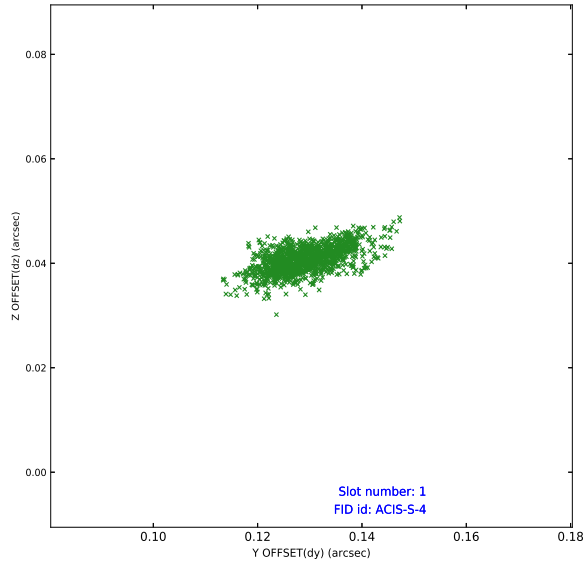


2.5 FID Slots

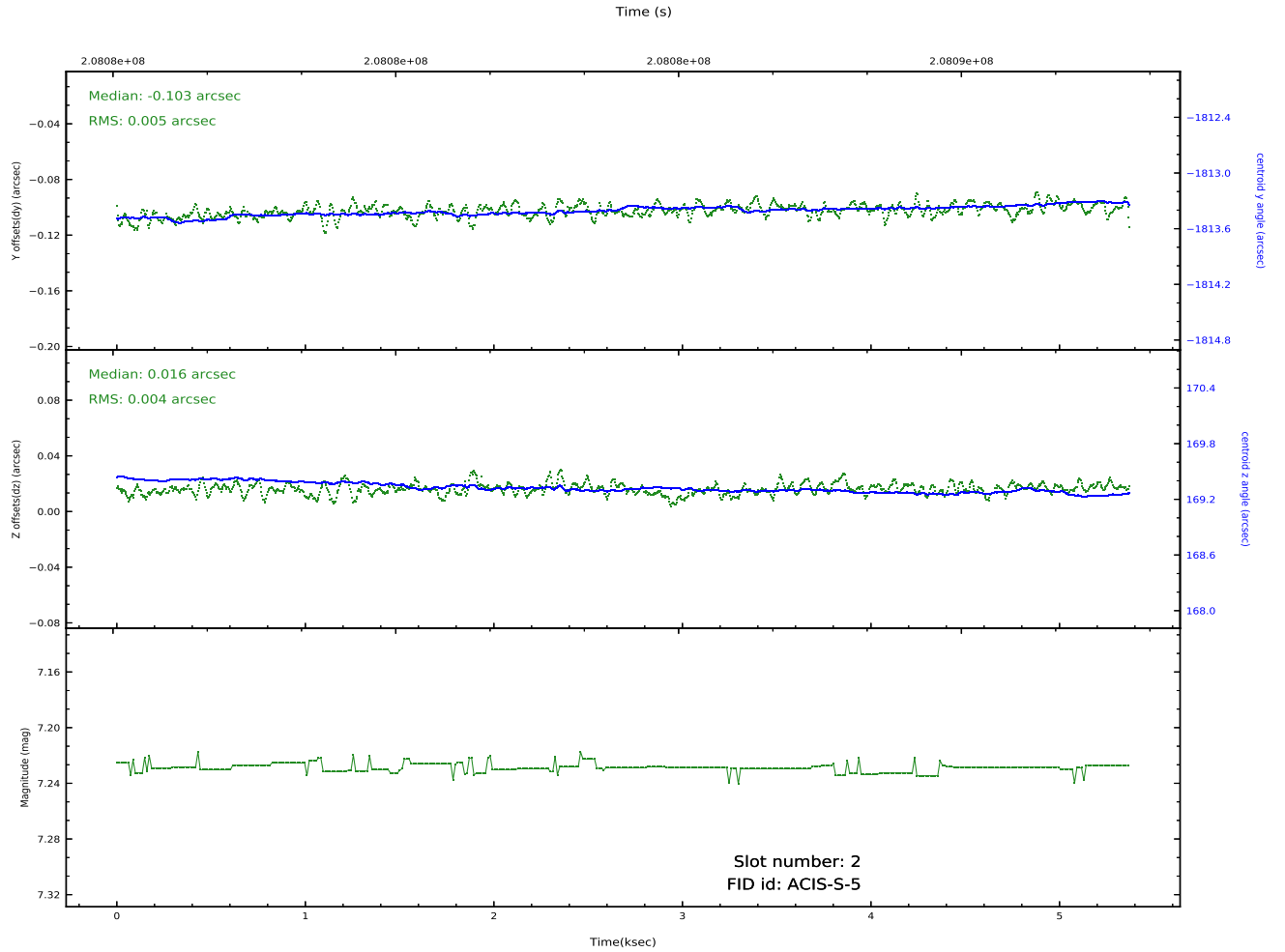
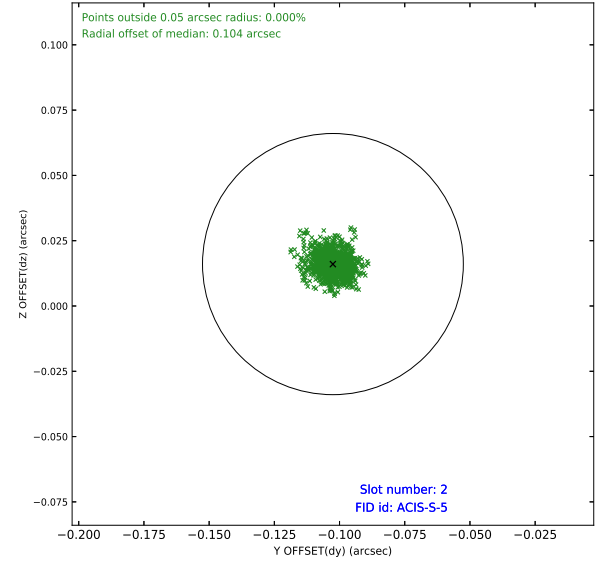
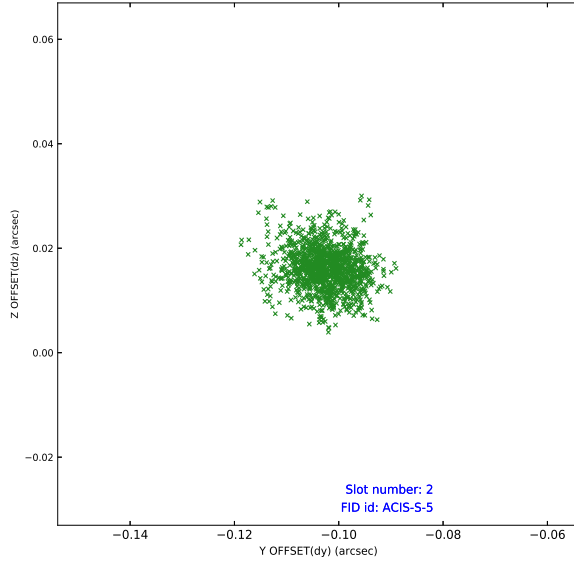
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.108

A.2 Comments

Joint proposal with HST.