

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5686 - L2 Version 4
Chandra X-Ray Center

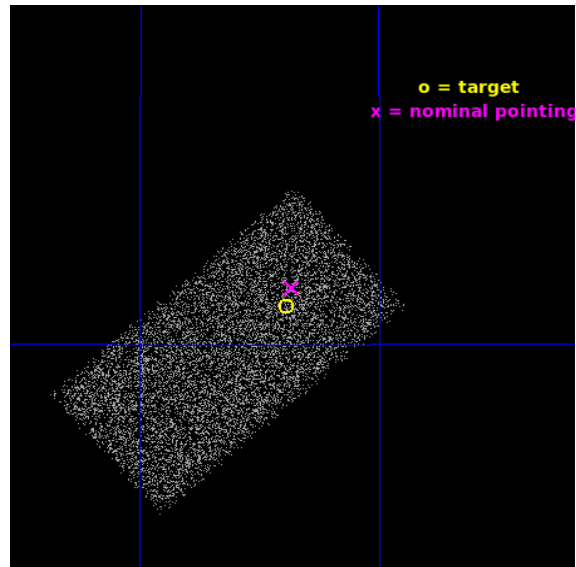
L2 Processing Date : Oct 7 2020

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1 Front

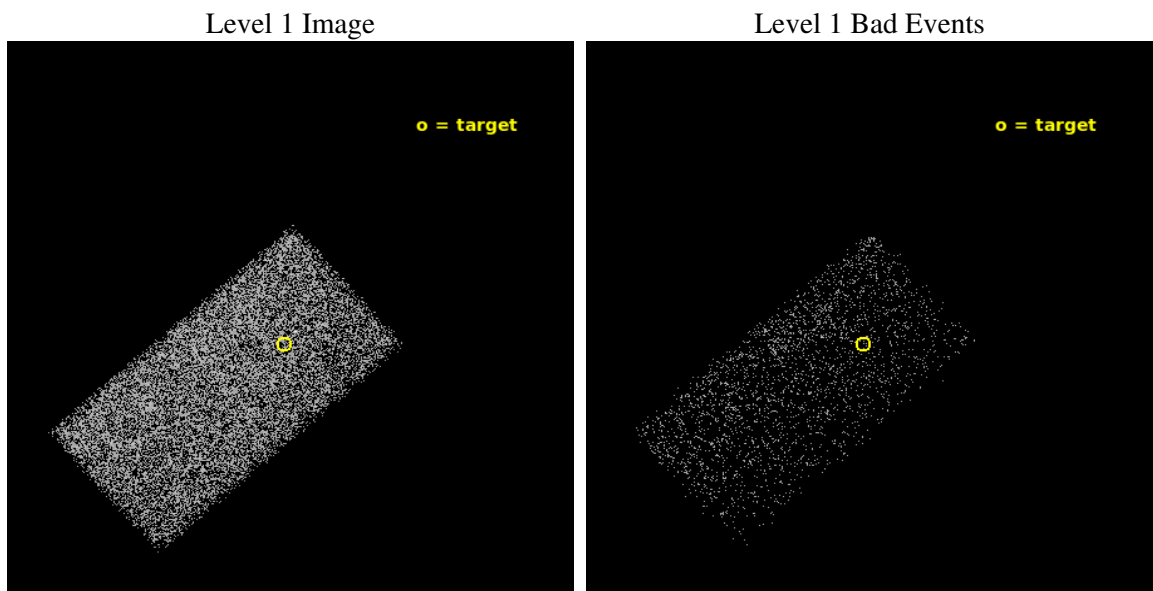
seq_num	701109	Sequence number
obs_id	5686	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1354.1+3341	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	208.548333	Observer's specified target RA [deg]
dec_targ	33.684167	Observer's specified target Dec [deg]
ra_nom	208.54535550964	Nominal RA [deg]
dec_nom	33.692380066819	Nominal Dec [deg]
roll_nom	138.40476573135	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5178.0	Sum of GTIs [s]
livetime	5040.1027877278	Livetime [s]
ontime7	5178.0	Sum of GTIs [s]
l2events	11096	Number of level 2 events



2 OBI

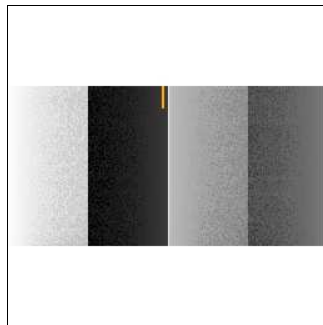
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5178.0	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5178.0	Sum of GTIs [s]
date	2020-10-07T11:03:16	Date and time of file creation	l1events	27107	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

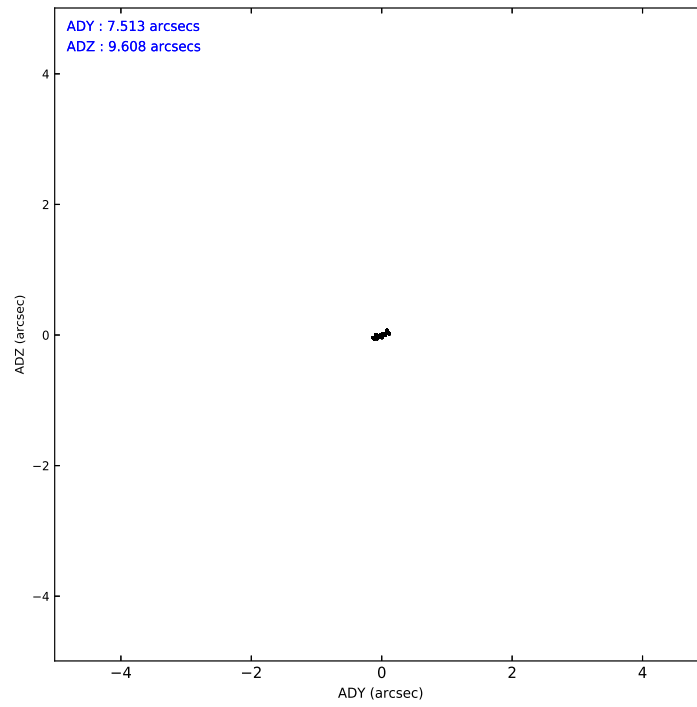
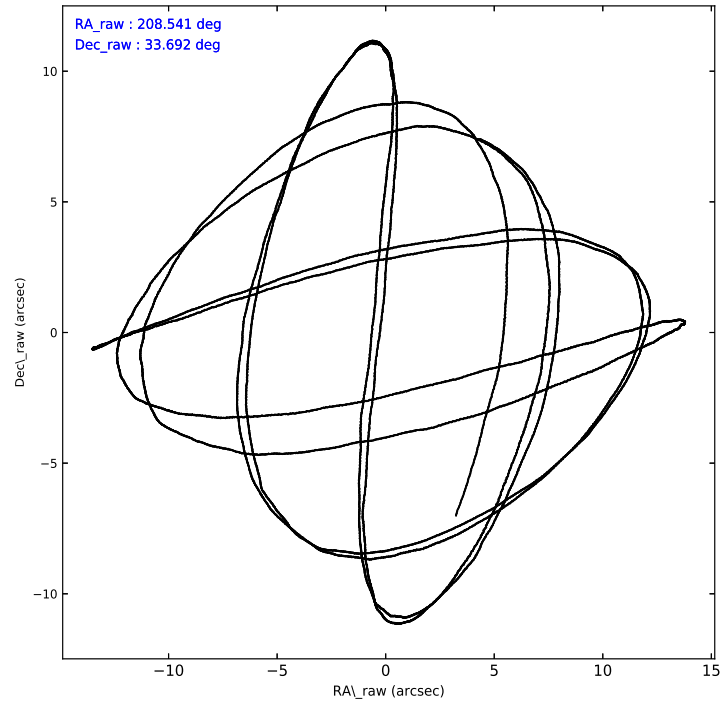
	ccd 7
level 1 events	27107
rejected events	15663
rejected %	57%

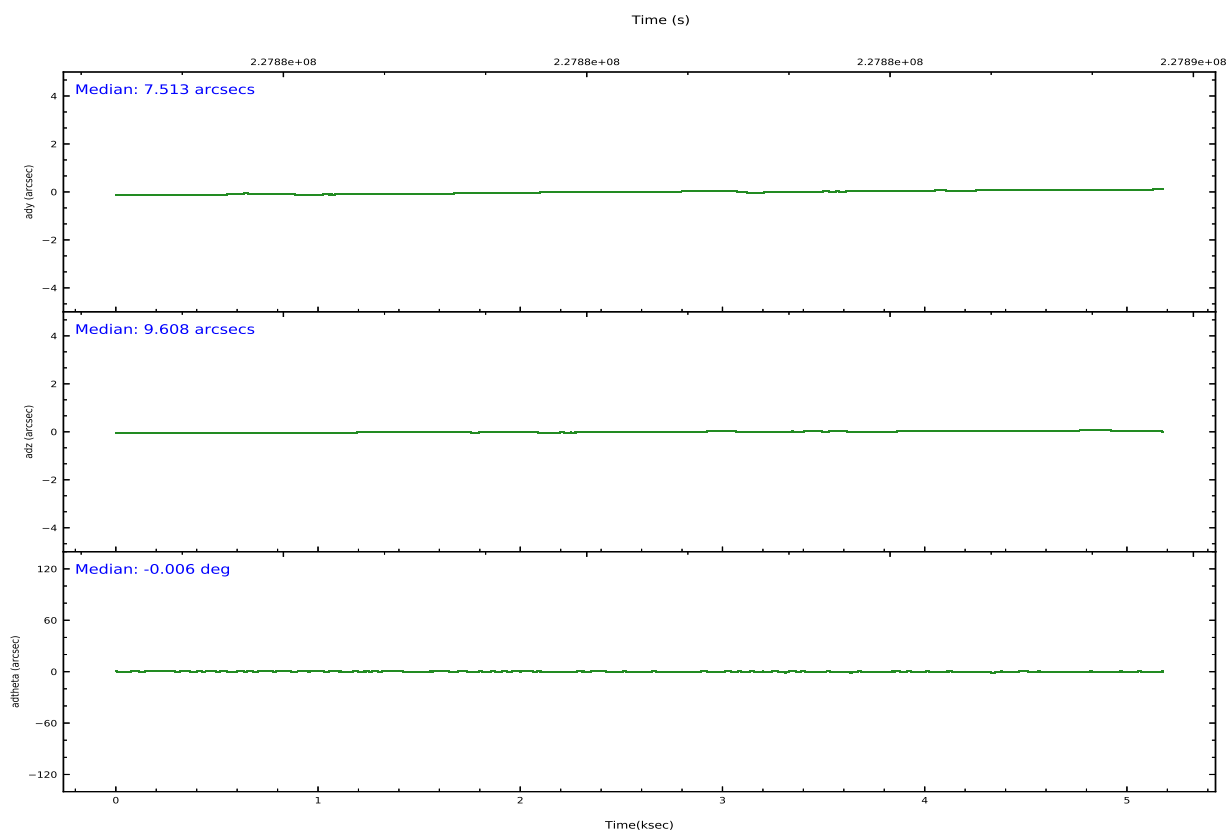
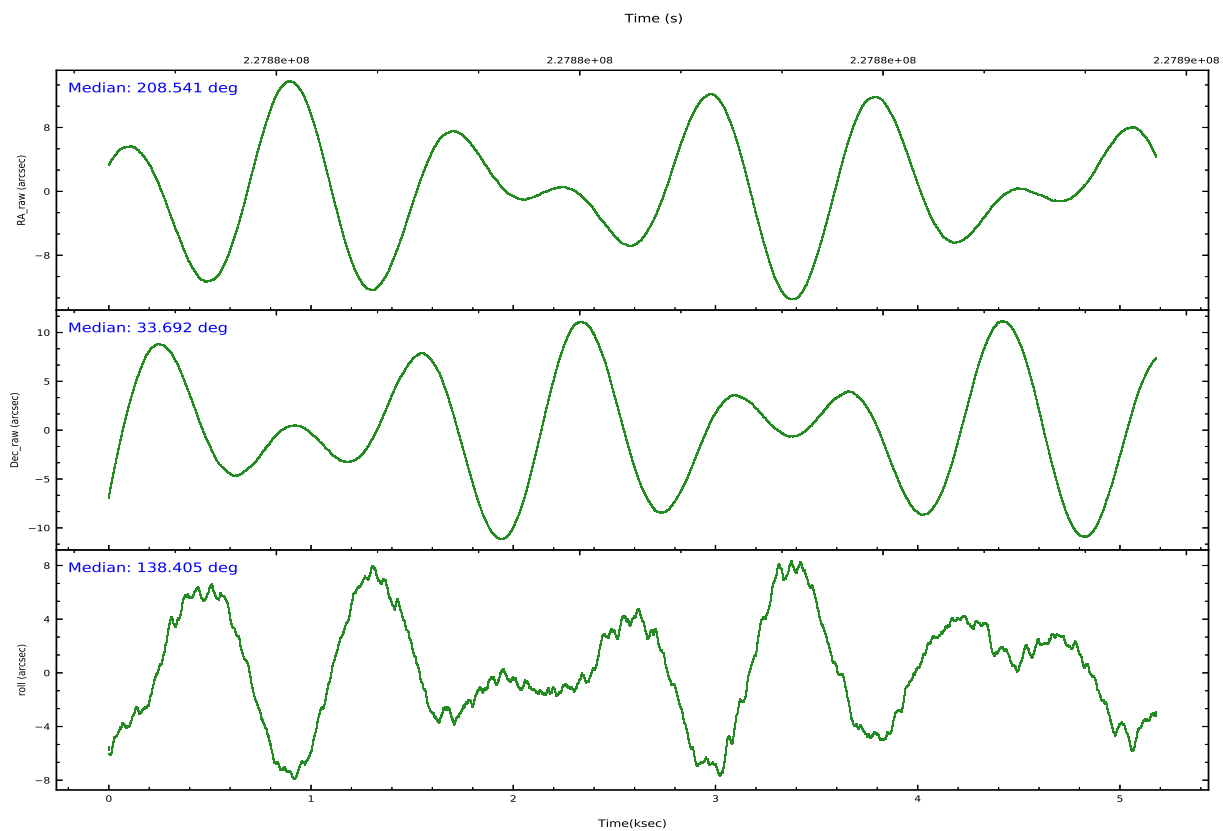
	ccd 7
grade 0 events	1144
	4%
grade 1 events	24
	0%
grade 2 events	2384
	8%
grade 3 events	1130
	4%
grade 4 events	1054
	3%
grade 5 events	2647
	9%
grade 6 events	5936
	21%
grade 7 events	12788
	47%

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	208.573275	208.54535550964	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	33.686638	33.692380066819	Subarray start row	257	257
[deg] Pointing Roll	138.229528	138.40476573135	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	227880351.184000	227879652.96401			
Observation start date	2005-03-22T12:04:47	2005-03-22T11:54:12			
[s] Observation end time (MET)	227885351.184000	227885542.61428			
Observation end date	2005-03-22T13:28:07	2005-03-22T13:32:22			
Read mode	TIMED	TIMED			

2.3 Aspect



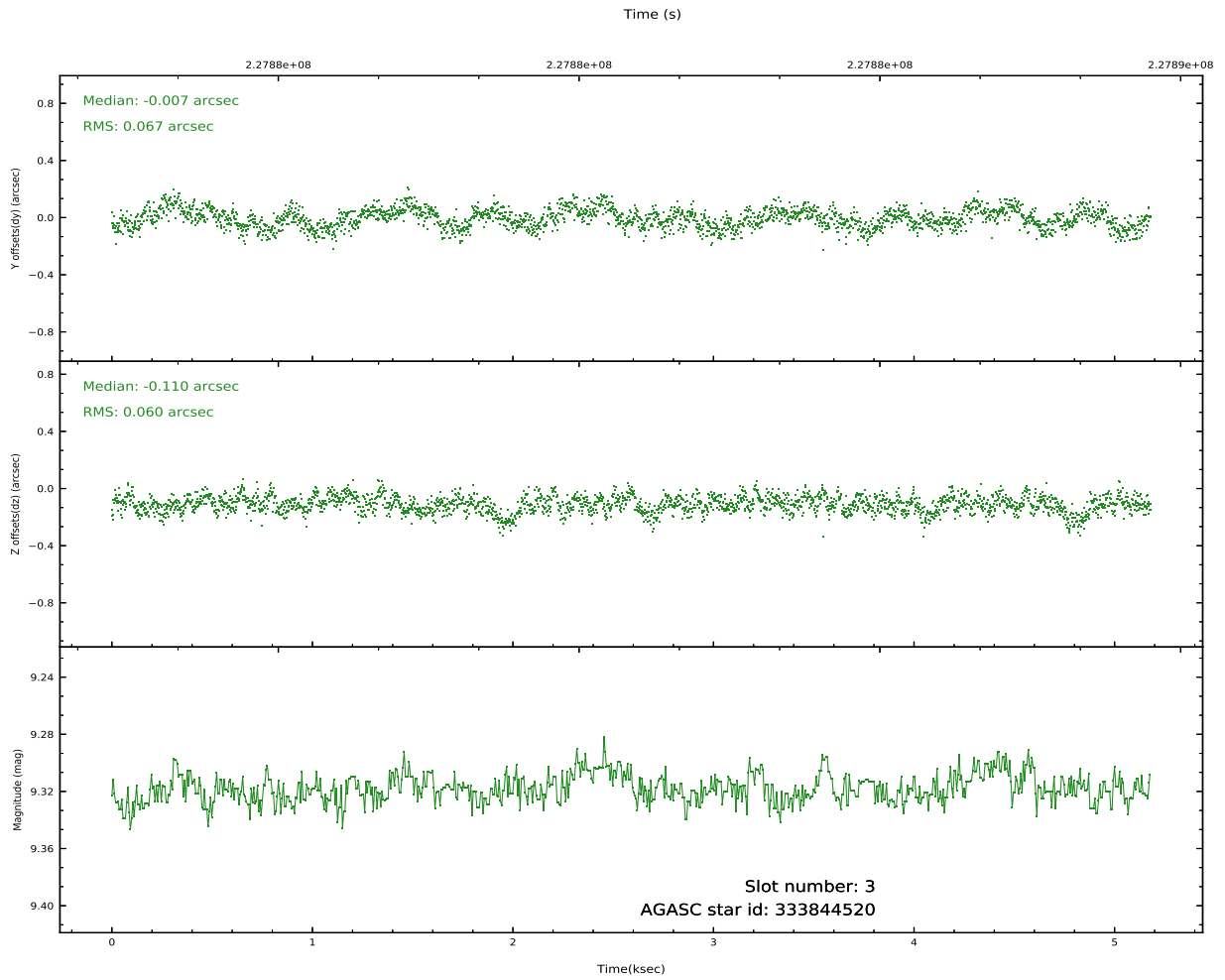
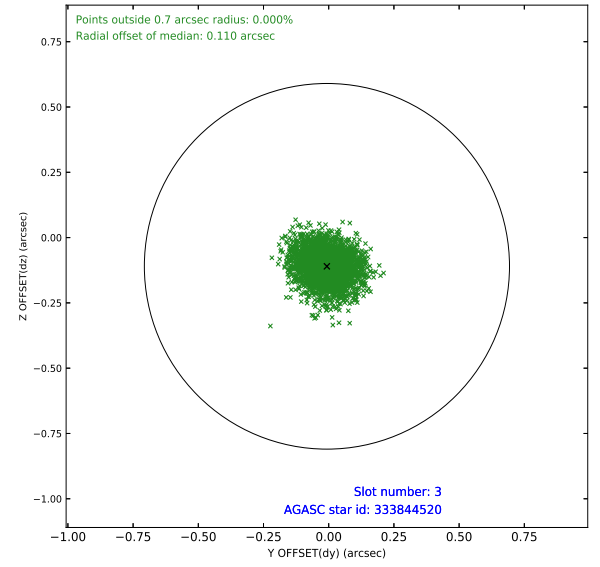
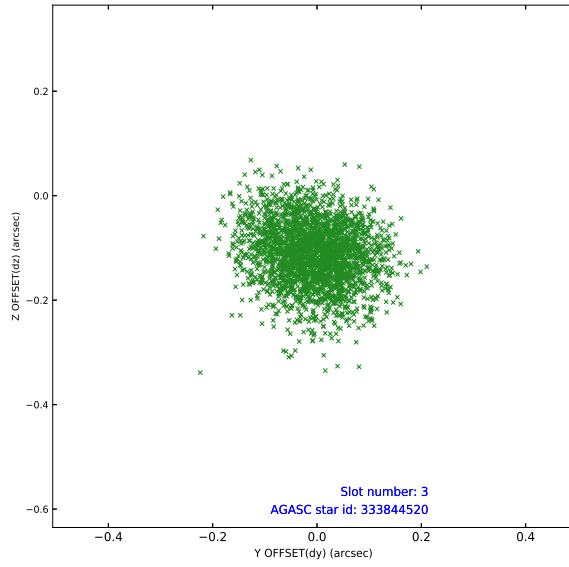


Slot Statistics

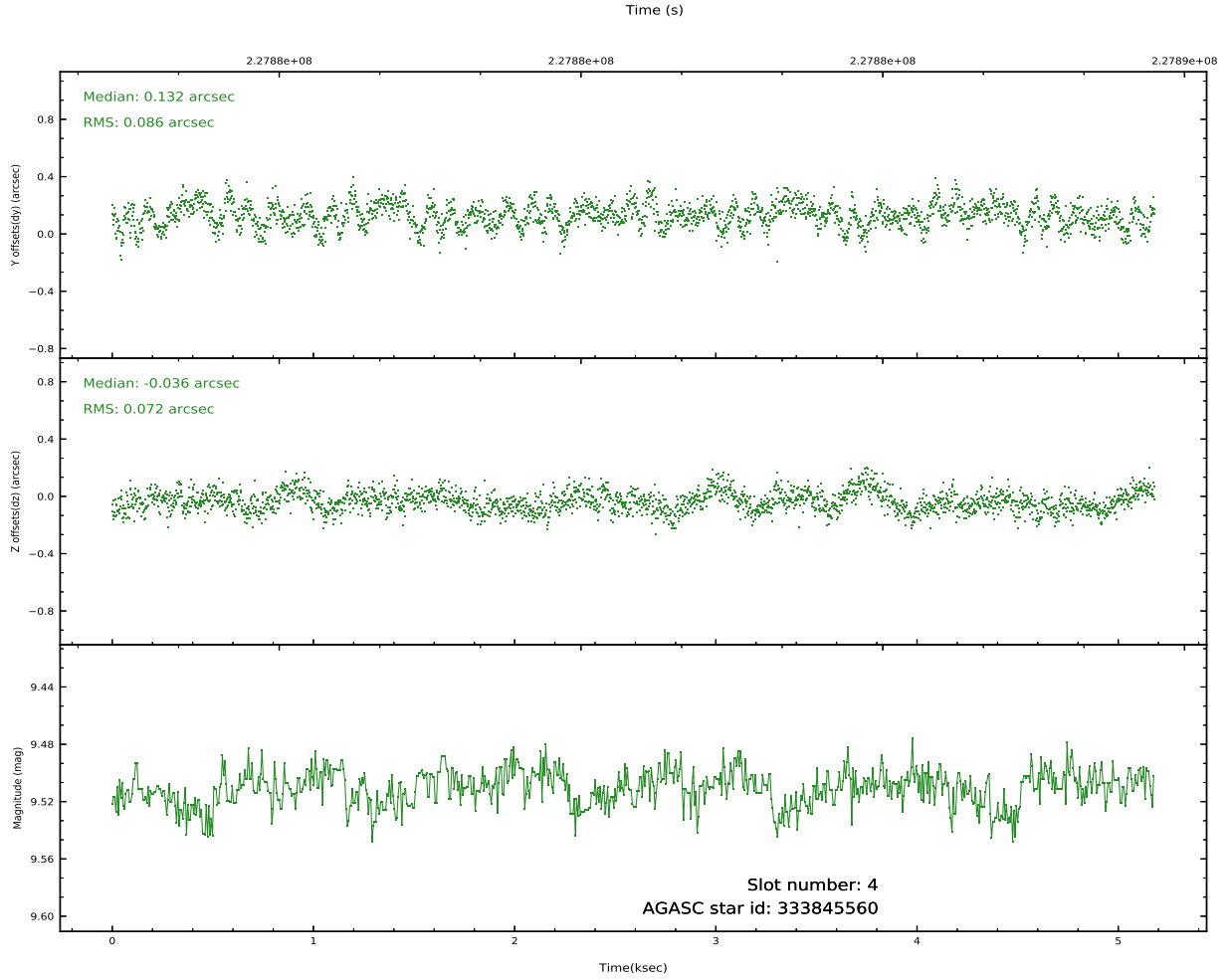
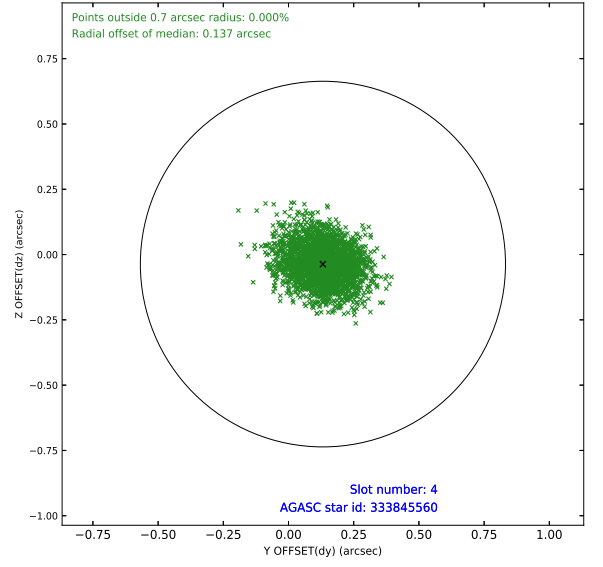
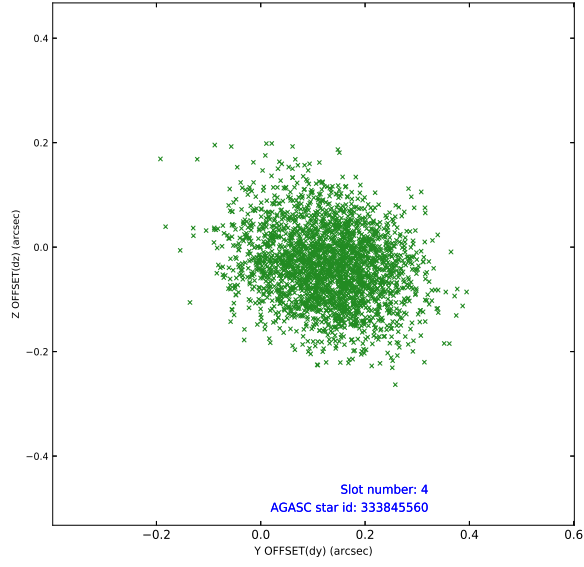
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1264	1.000	0.020	-0.053	0.007	0.011	0.000000	0.000000	935.82	-1726
1	FID		ACIS-S-4	7.21	1264	1.000	0.113	0.031	0.006	0.010	0.000000	0.000000	2153.93	176
2	FID		ACIS-S-5	7.23	1264	1.000	-0.160	0.034	0.006	0.011	0.000000	0.000000	-1811.77	171
3	GUIDE	used	333844520	9.32	2528	1.000	-0.007	-0.110	0.096	0.153	208.057673	33.708550	1206.97	967
4	GUIDE	used	333845560	9.51	2526	1.000	0.132	-0.036	0.120	0.195	208.480633	34.549476	2275.41	-2133
5	GUIDE	used	333845704	8.07	2528	1.000	-0.109	0.112	0.056	0.090	209.172586	33.937049	-729.66	-1869
6	GUIDE	used	333846144	9.20	2527	1.000	0.076	0.080	0.113	0.183	209.272937	33.807012	-1266.50	-1722
7	GUIDE	used	333843552	8.98	2526	1.000	-0.093	-0.042	0.098	0.151	207.943128	33.286944	459.32	2331

2.4 Star Slots

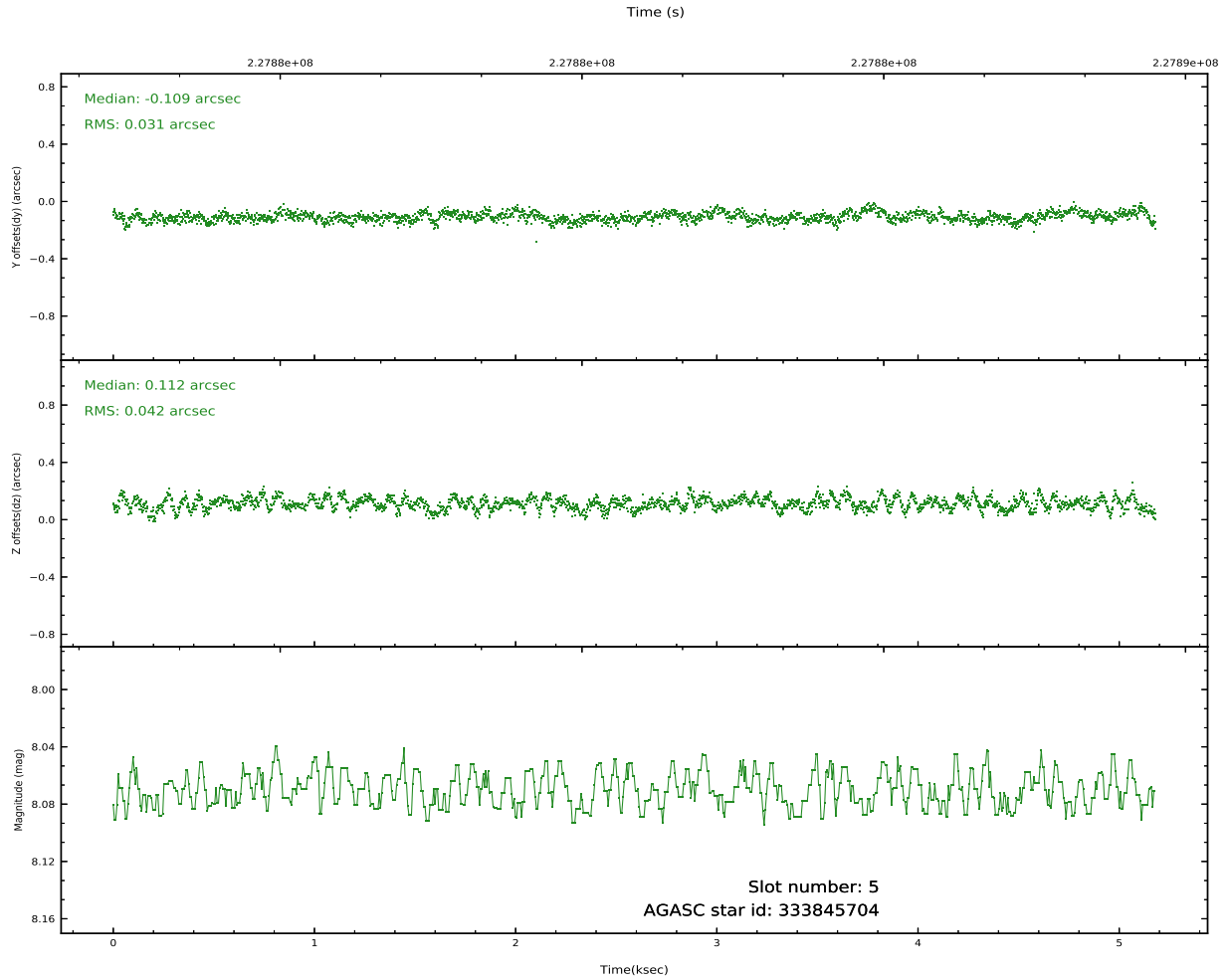
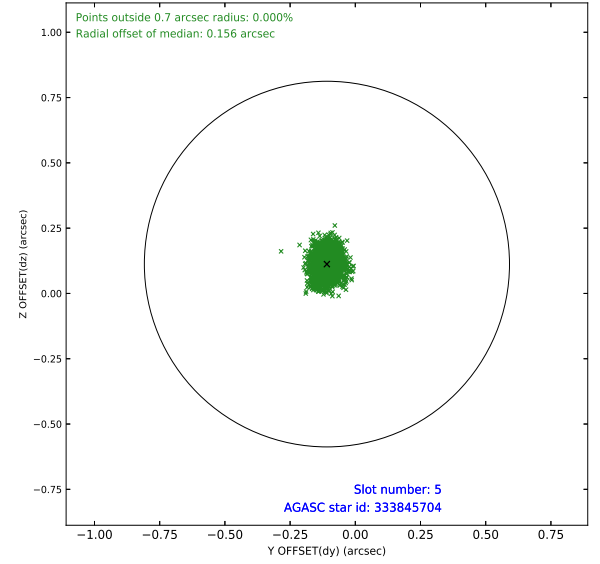
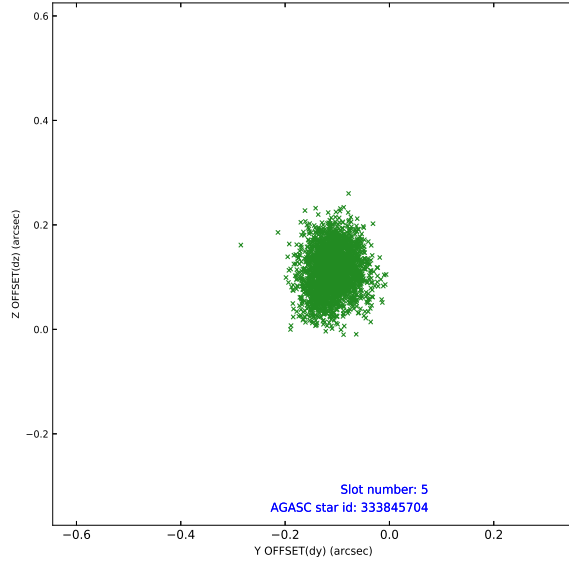
2.4.1 Slot 3



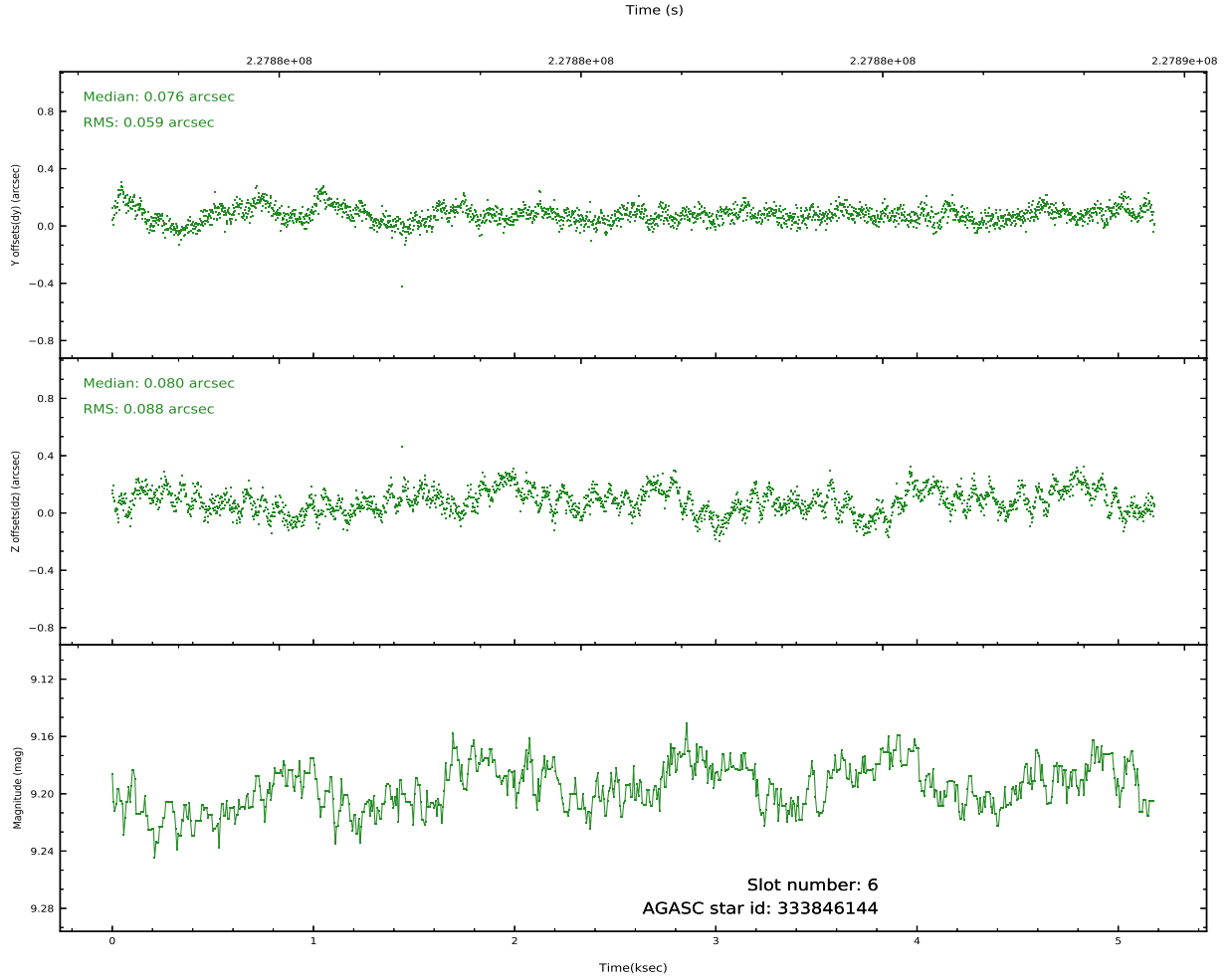
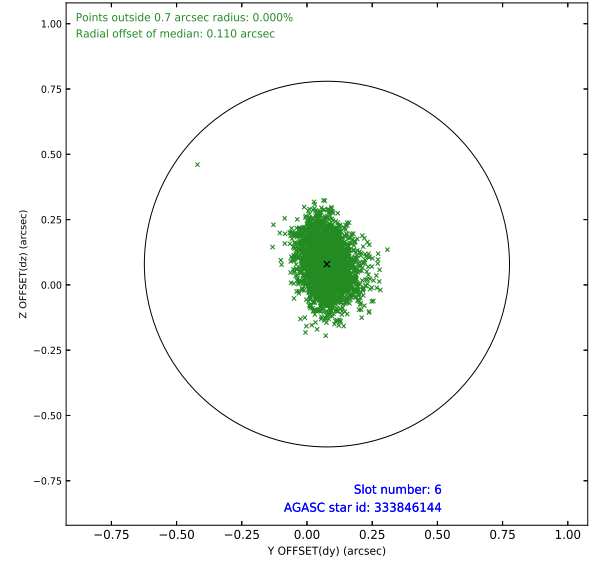
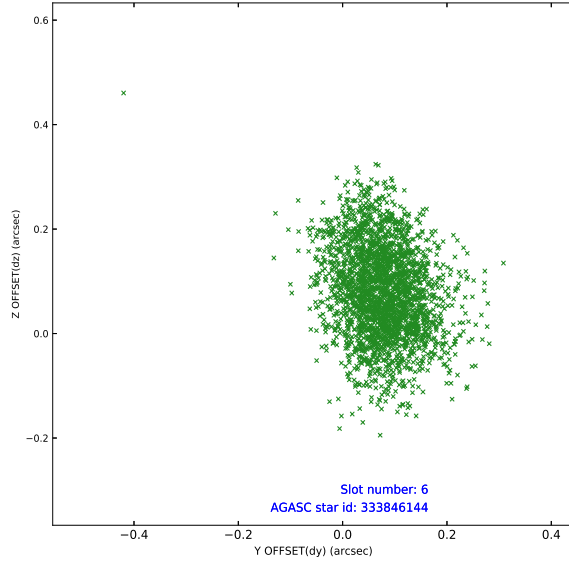
2.4.2 Slot 4



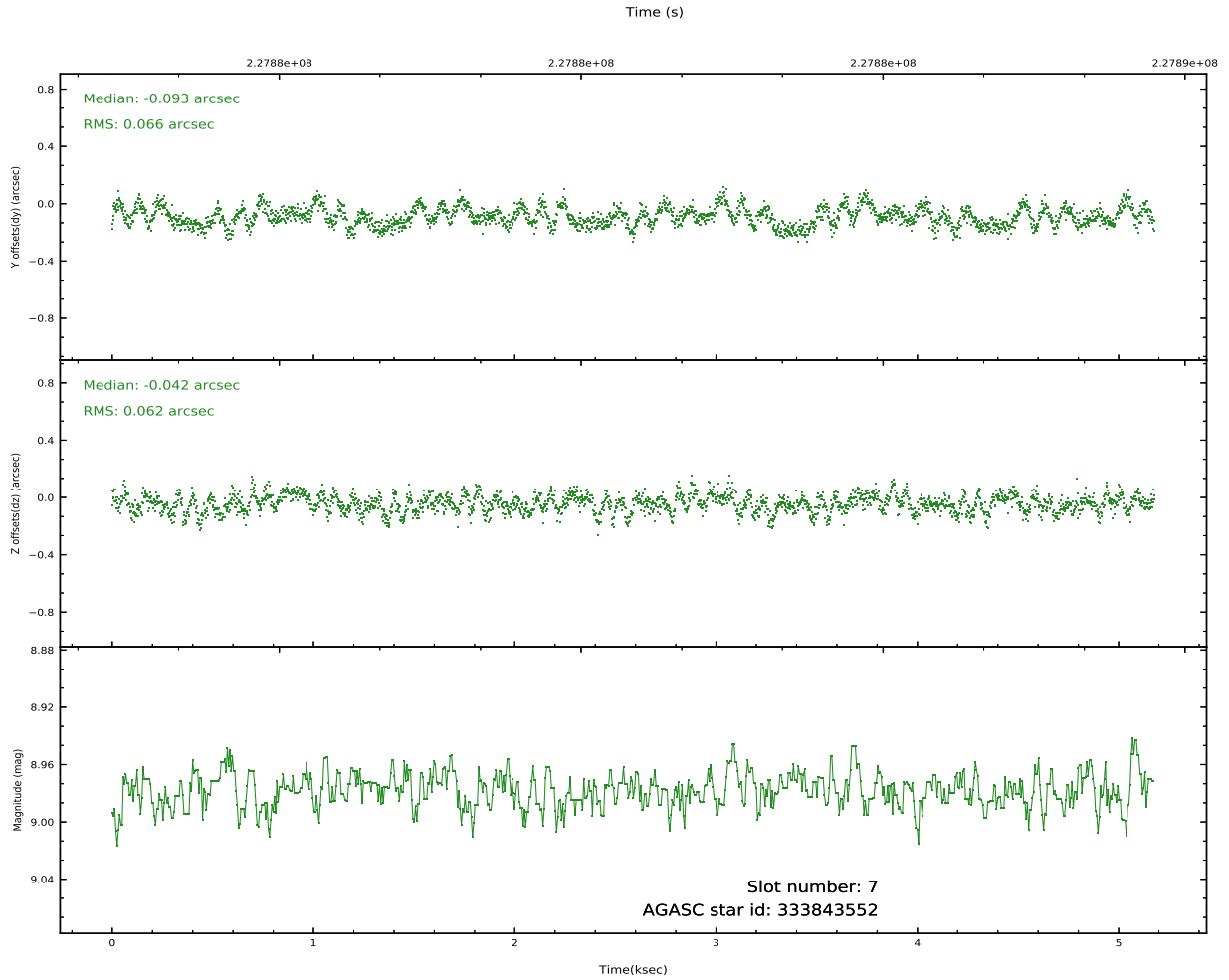
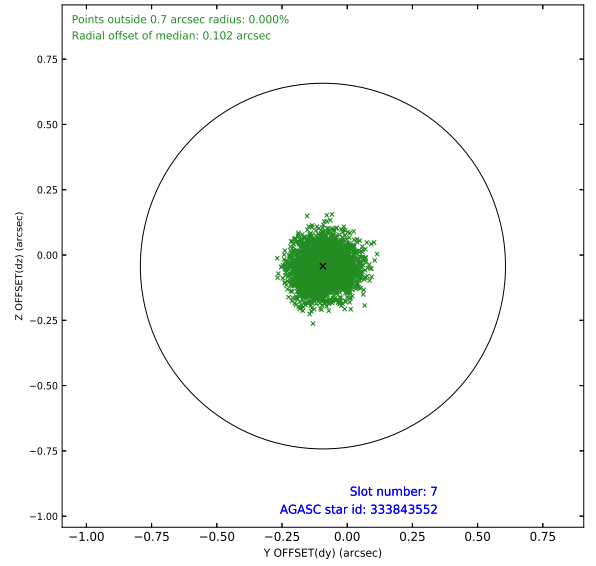
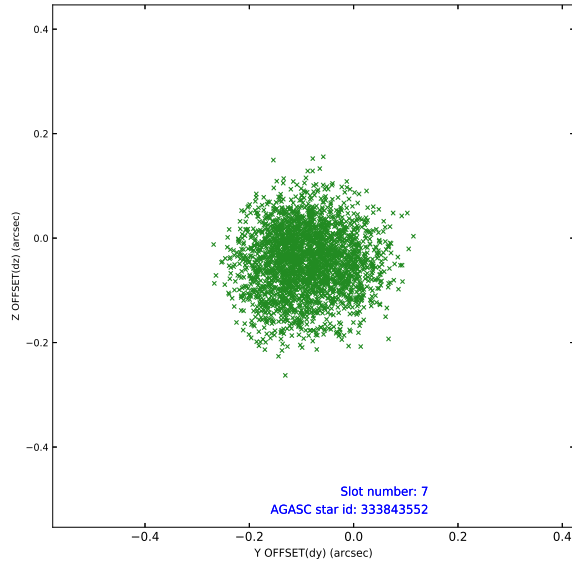
2.4.3 Slot 5



2.4.4 Slot 6

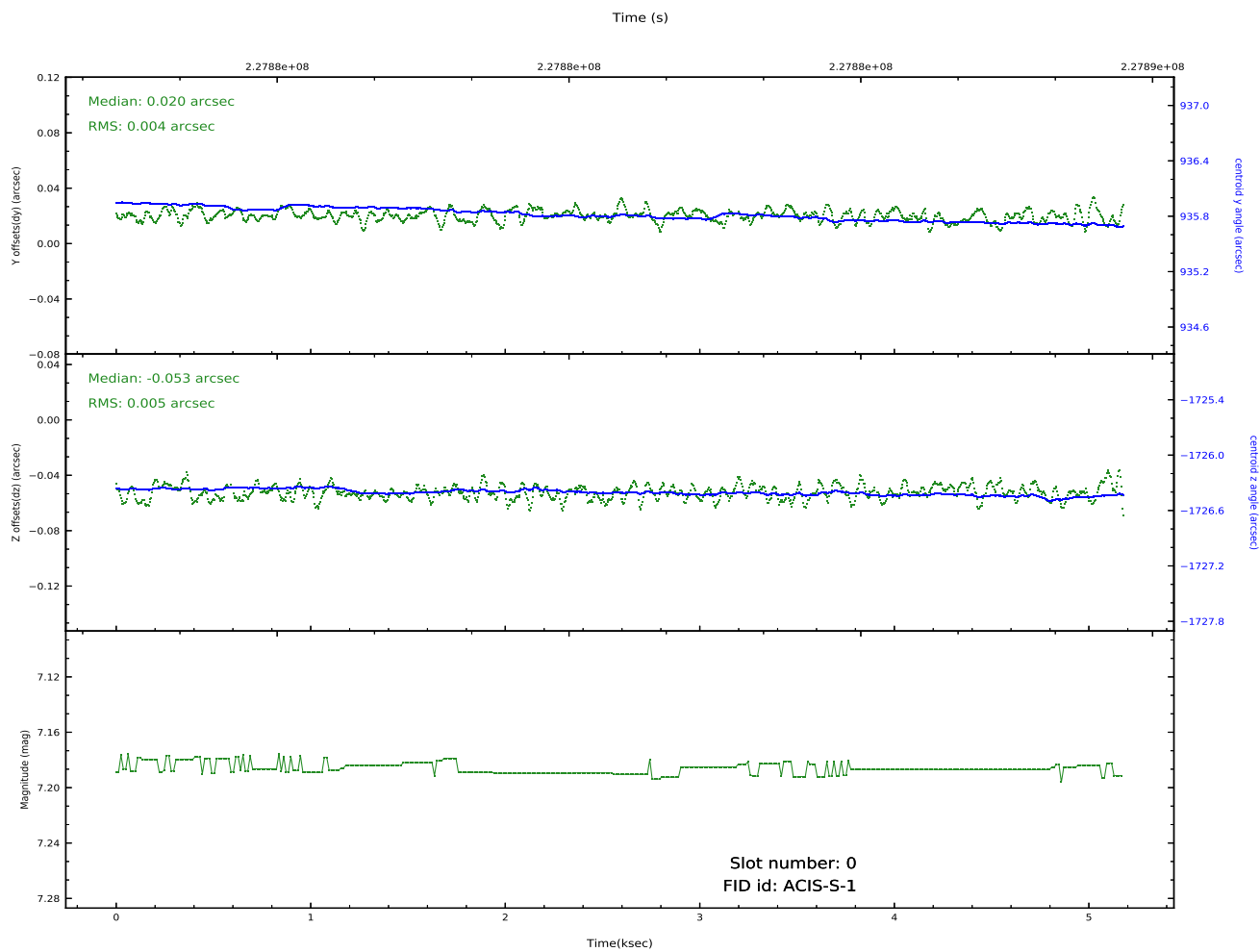
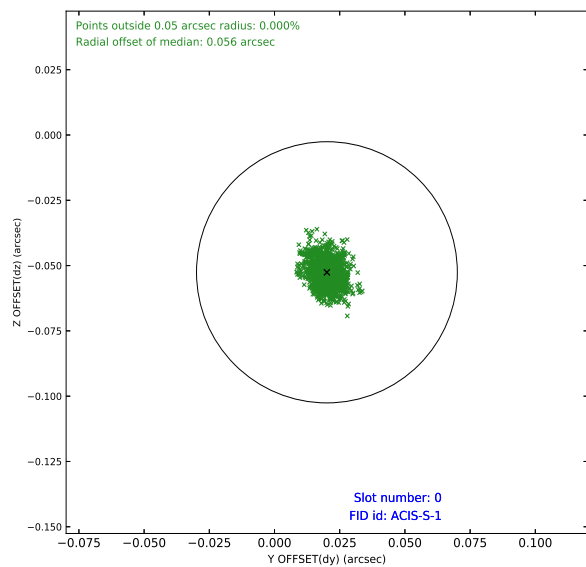
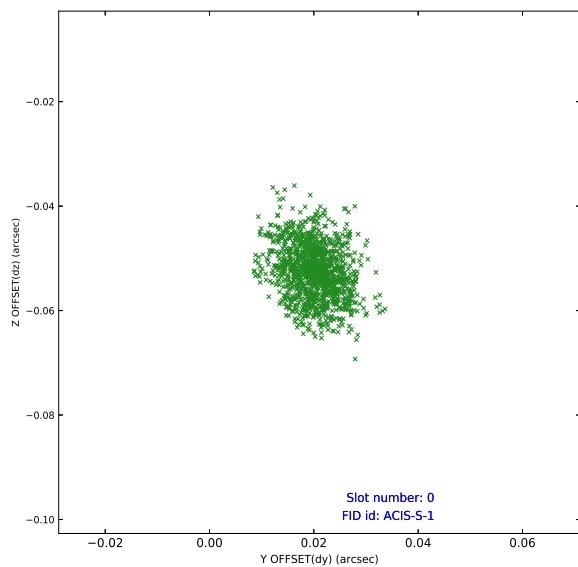


2.4.5 Slot 7

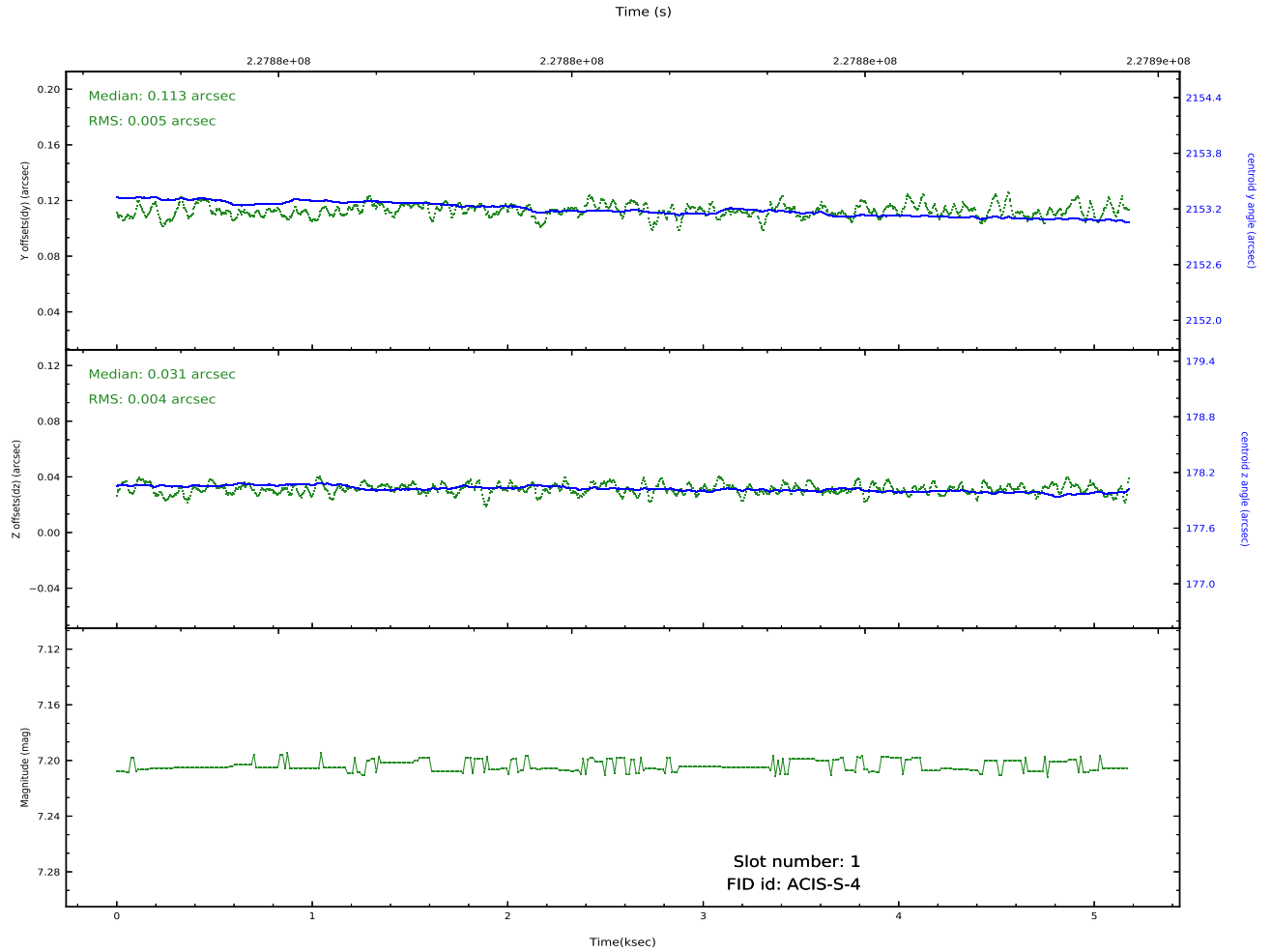
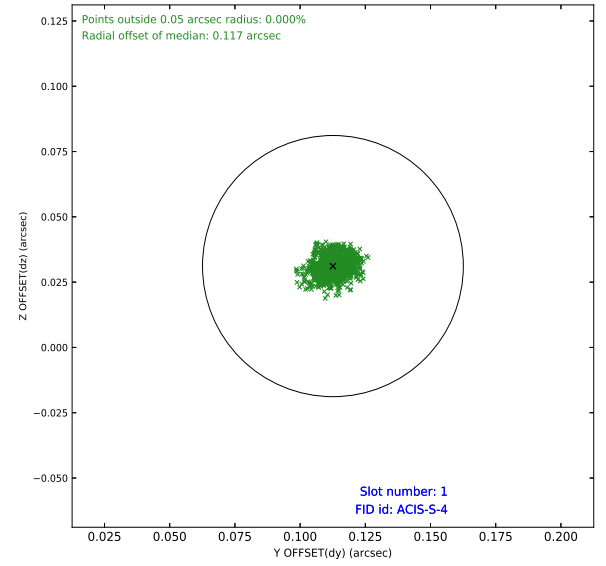
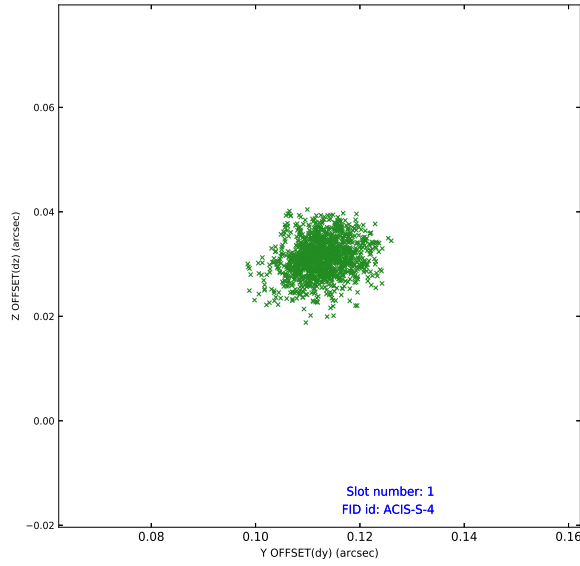


2.5 FID Slots

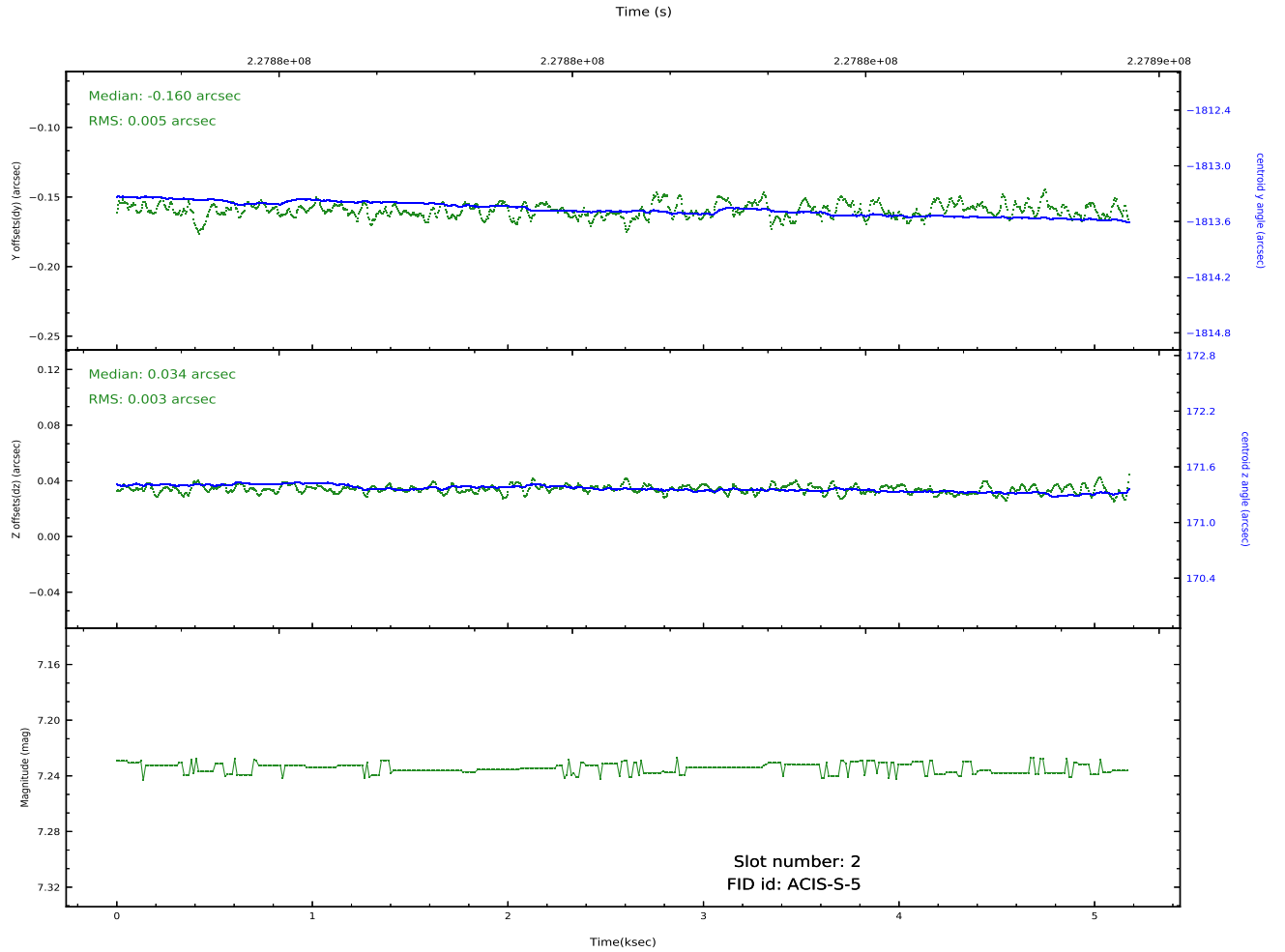
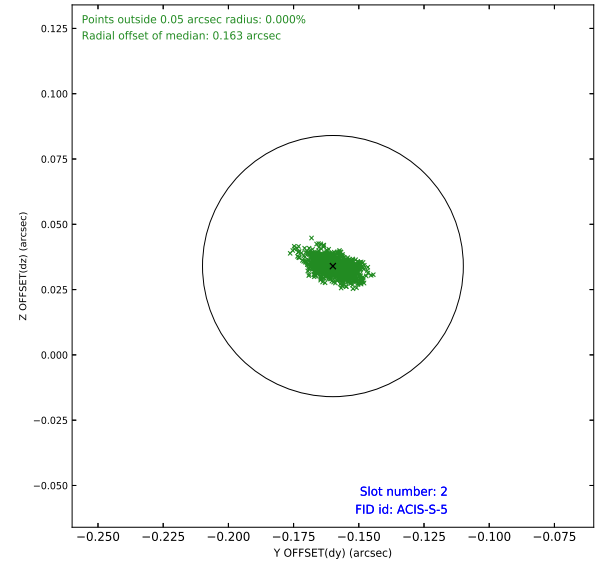
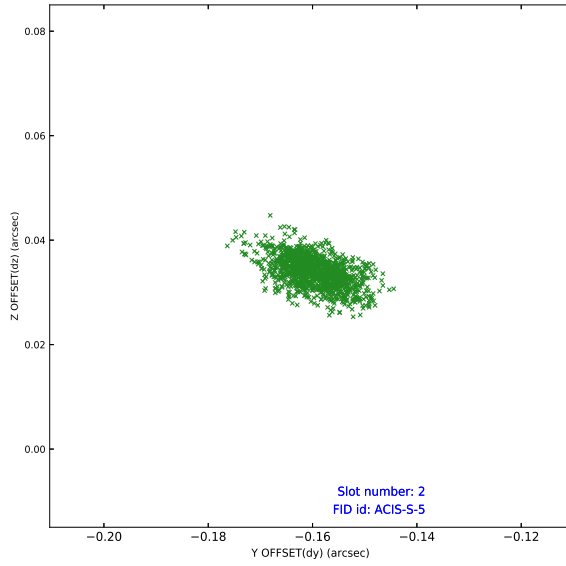
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.178

A.2 Comments

Joint proposal with NOAO.