

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5681 - L2 Version 4
Chandra X-Ray Center

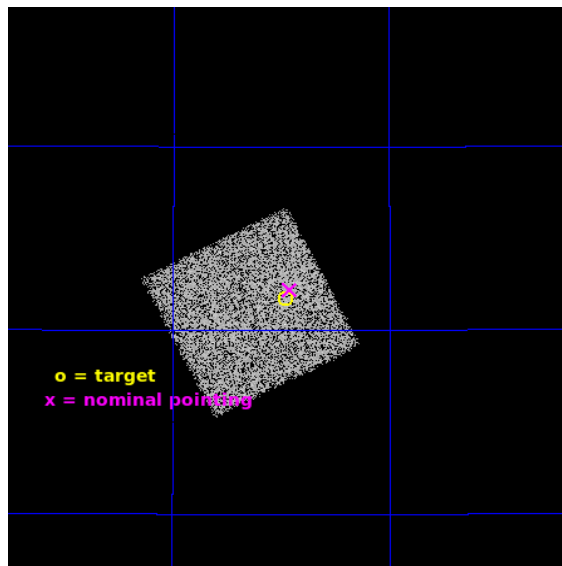
L2 Processing Date : Oct 5 2020

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1 Front

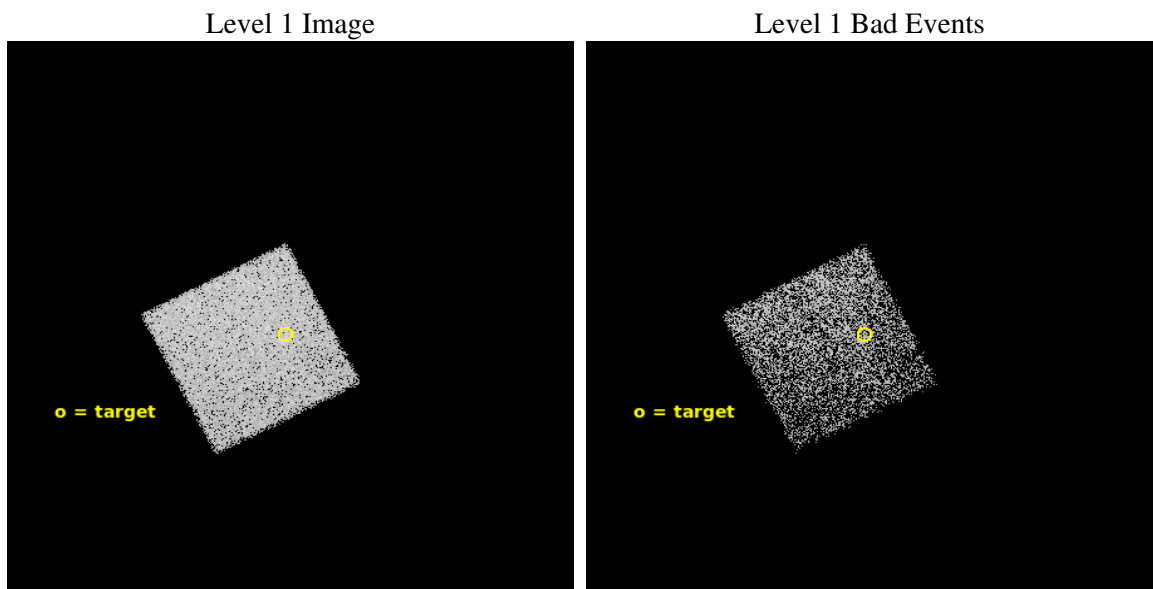
seq_num	701104	Sequence number
obs_id	5681	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0642.9+6751	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	100.740833	Observer's specified target RA [deg]
dec_targ	67.8625	Observer's specified target Dec [deg]
ra_nom	100.72943972116	Nominal RA [deg]
dec_nom	67.870418908643	Nominal Dec [deg]
roll_nom	152.8202375273	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5164.7999807596	Sum of GTIs [s]
livetime	5099.4001735341	Livetime [s]
ontime7	5164.7999807596	Sum of GTIs [s]
l2events	21080	Number of level 2 events



2 OBI

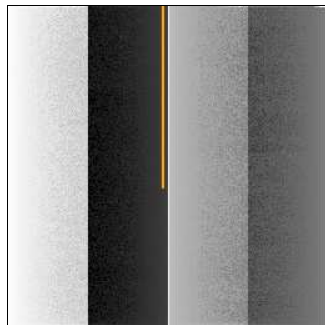
2.1 OBI

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	5164.7999807596	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5164.7999807596	Sum of GTIs [s]
date	2020-10-05T12:51:02	Date and time of file creation	l1events	57382	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

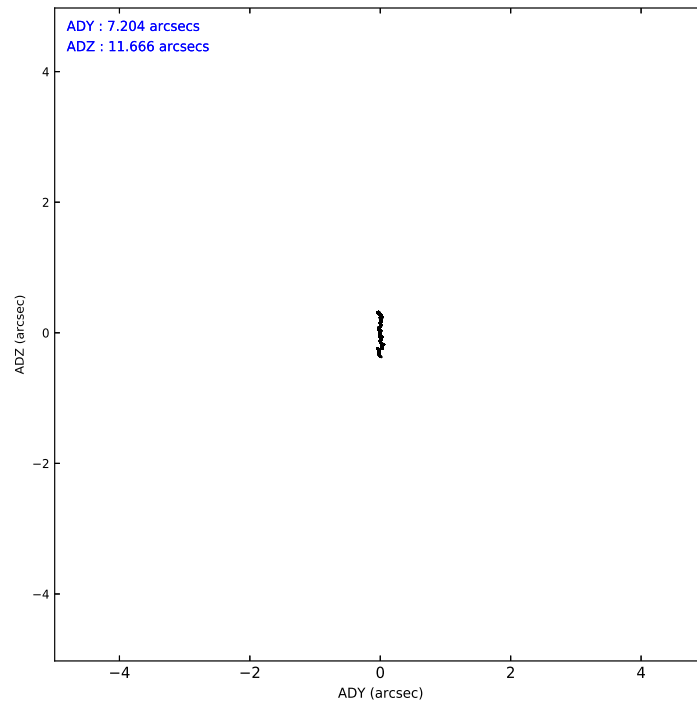
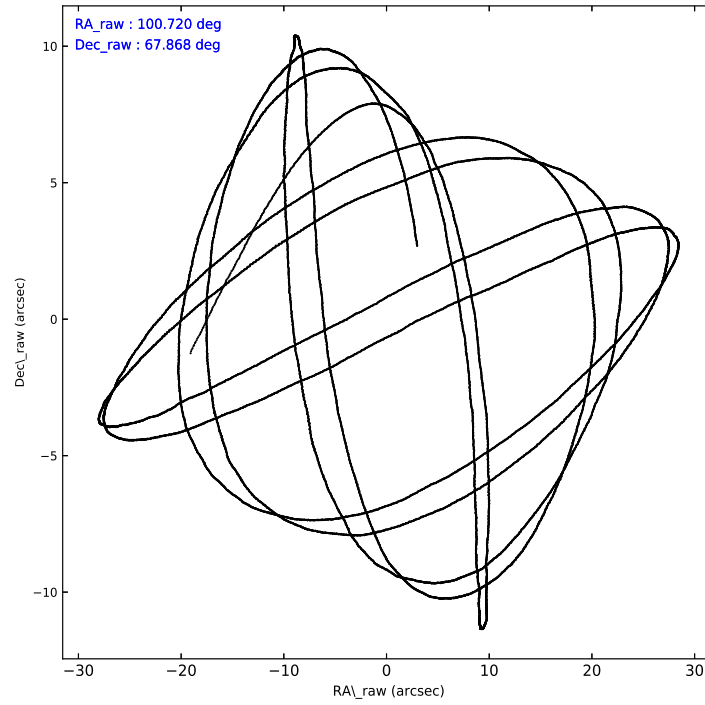
	ccd 7
level 1 events	57382
rejected events	35653
rejected %	62%

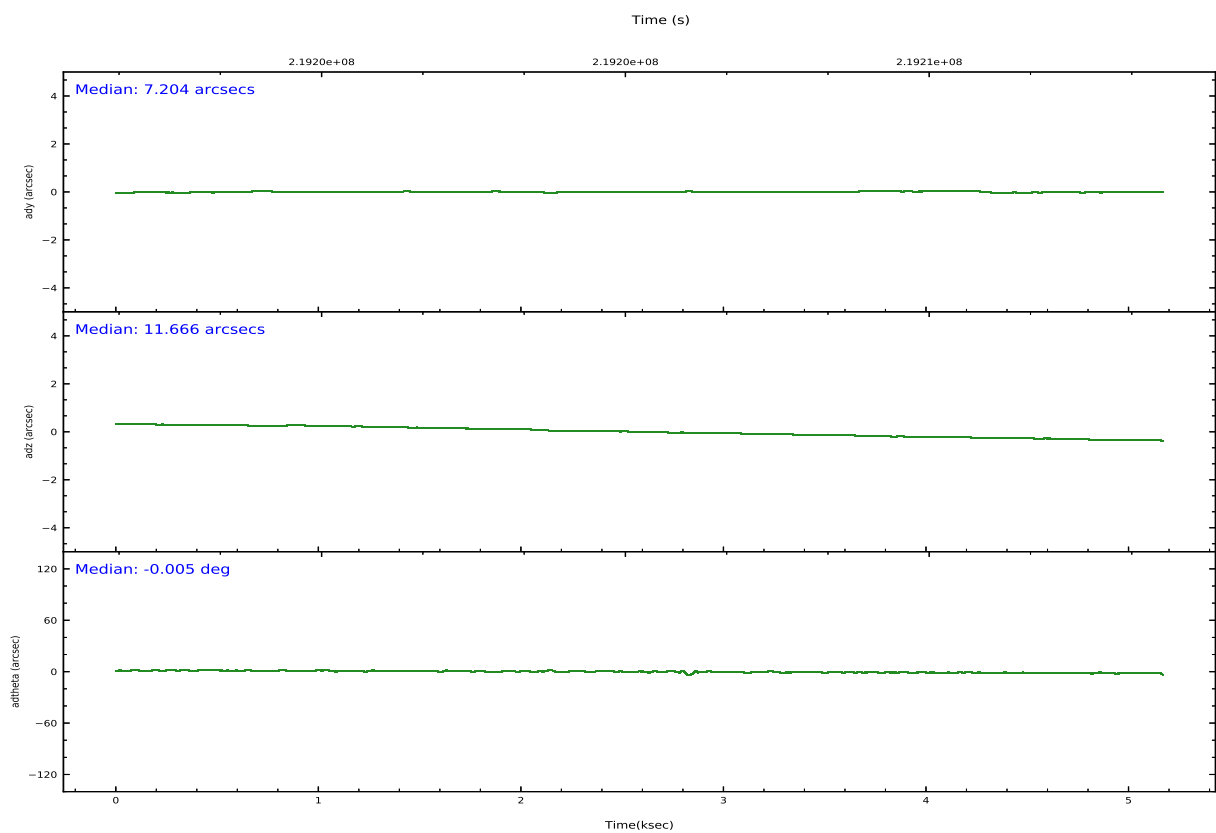
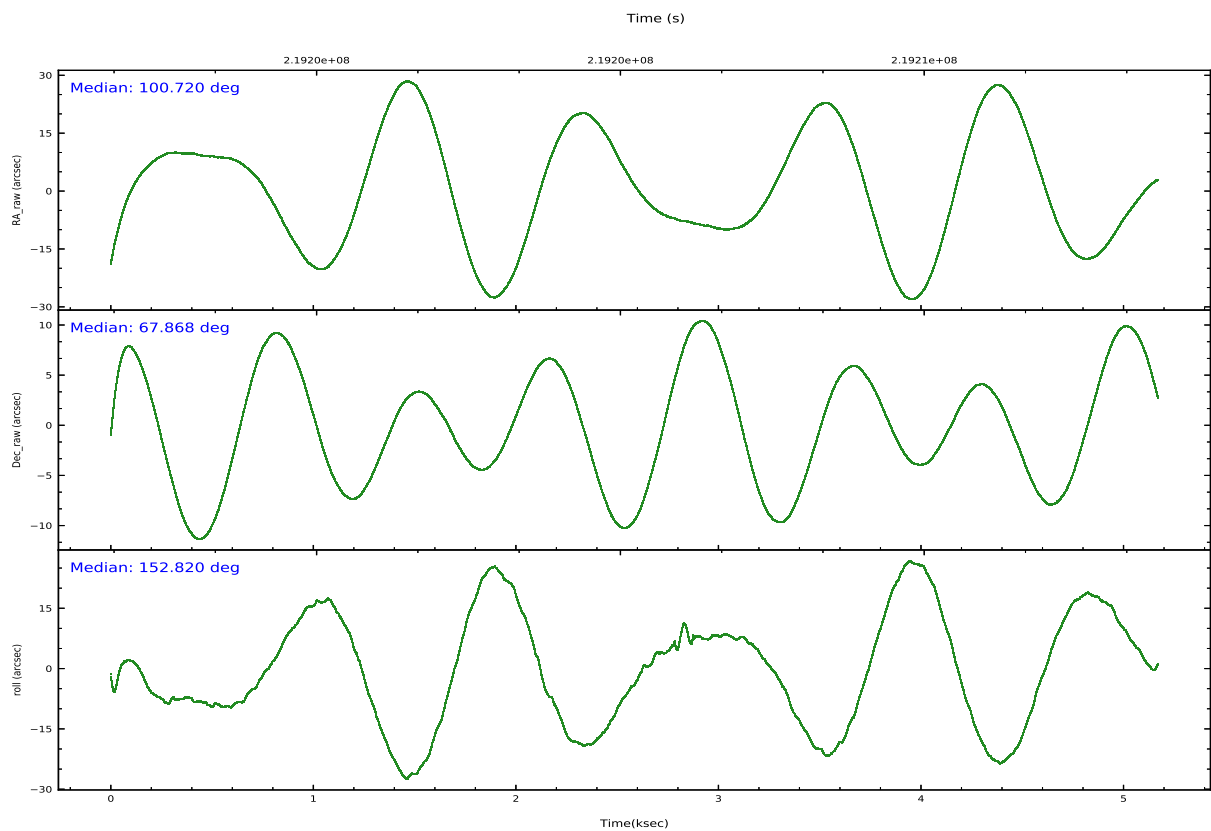
	ccd 7
grade 0 events	2213
	3%
grade 1 events	57
	0%
grade 2 events	4916
	8%
grade 3 events	2109
	3%
grade 4 events	2087
	3%
grade 5 events	5429
	9%
grade 6 events	13047
	22%
grade 7 events	27524
	47%

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	100.792571	100.72943972116	Subarray requested	NONE	NONE
[deg] Pointing Dec	67.870039	67.870418908643	Alternating exposures requested	N	N
[deg] Pointing Roll	152.594300	152.8202375273	[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)	219202655.184000	219201598.20939			
Observation start date	2004-12-12T01:36:31	2004-12-12T01:19:58			
[s] Observation end time (MET)	219207655.184000	219208304.27219			
Observation end date	2004-12-12T02:59:51	2004-12-12T03:11:44			
Read mode	TIMED	TIMED			

2.3 Aspect



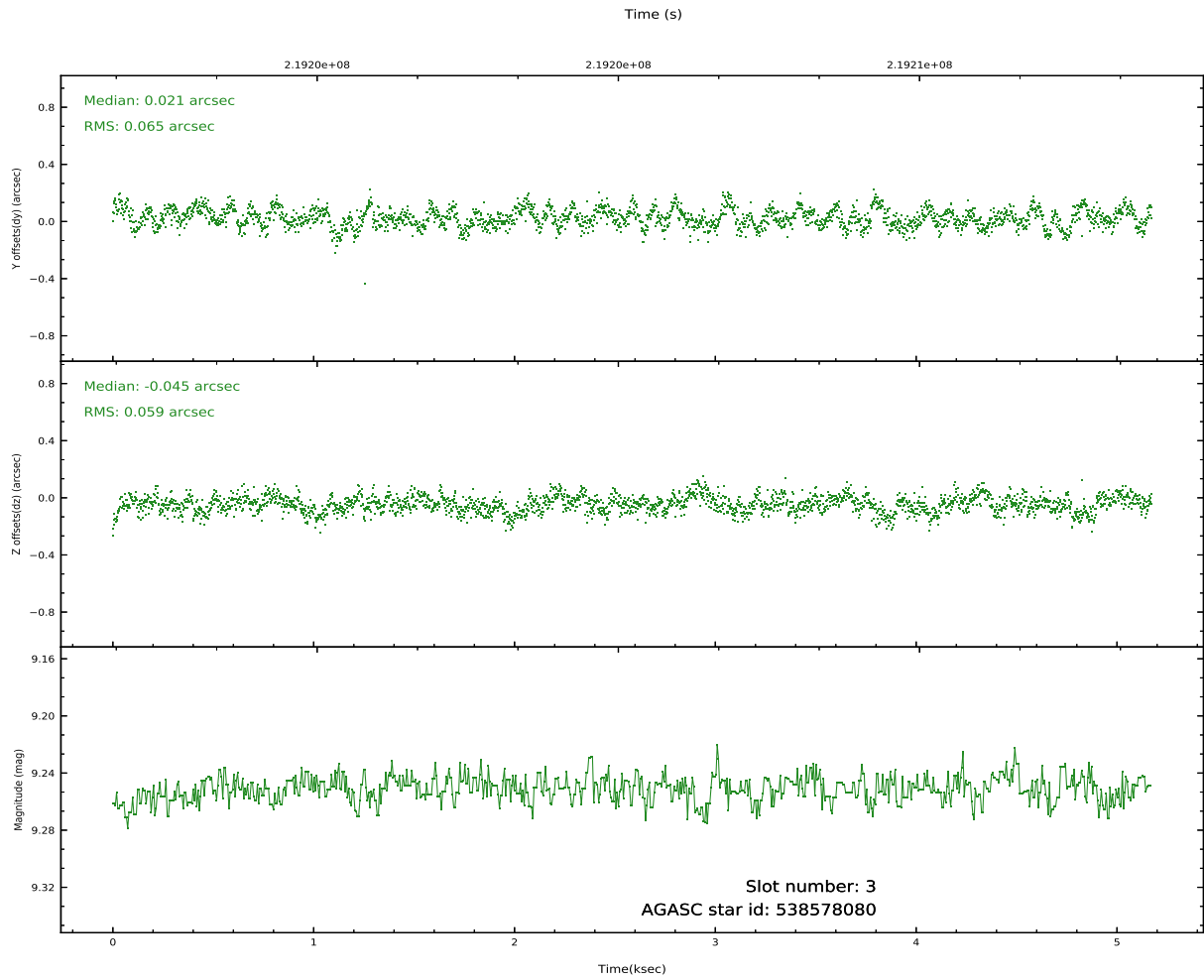
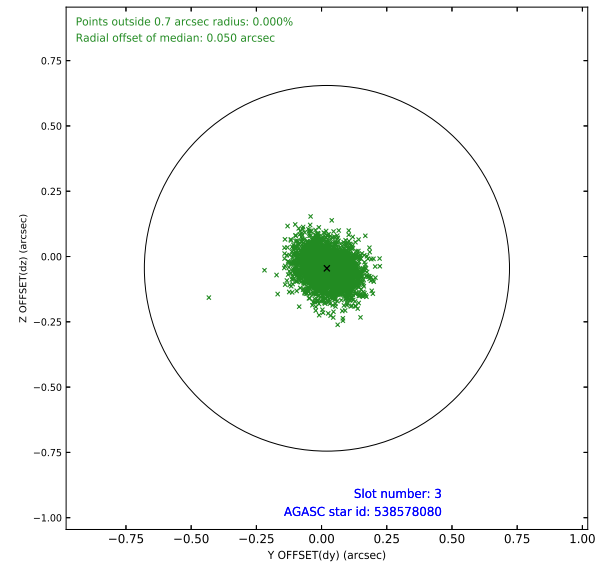
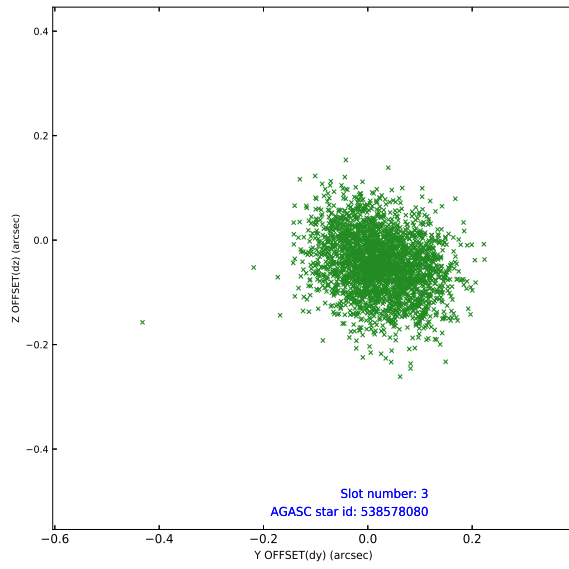


Slot Statistics

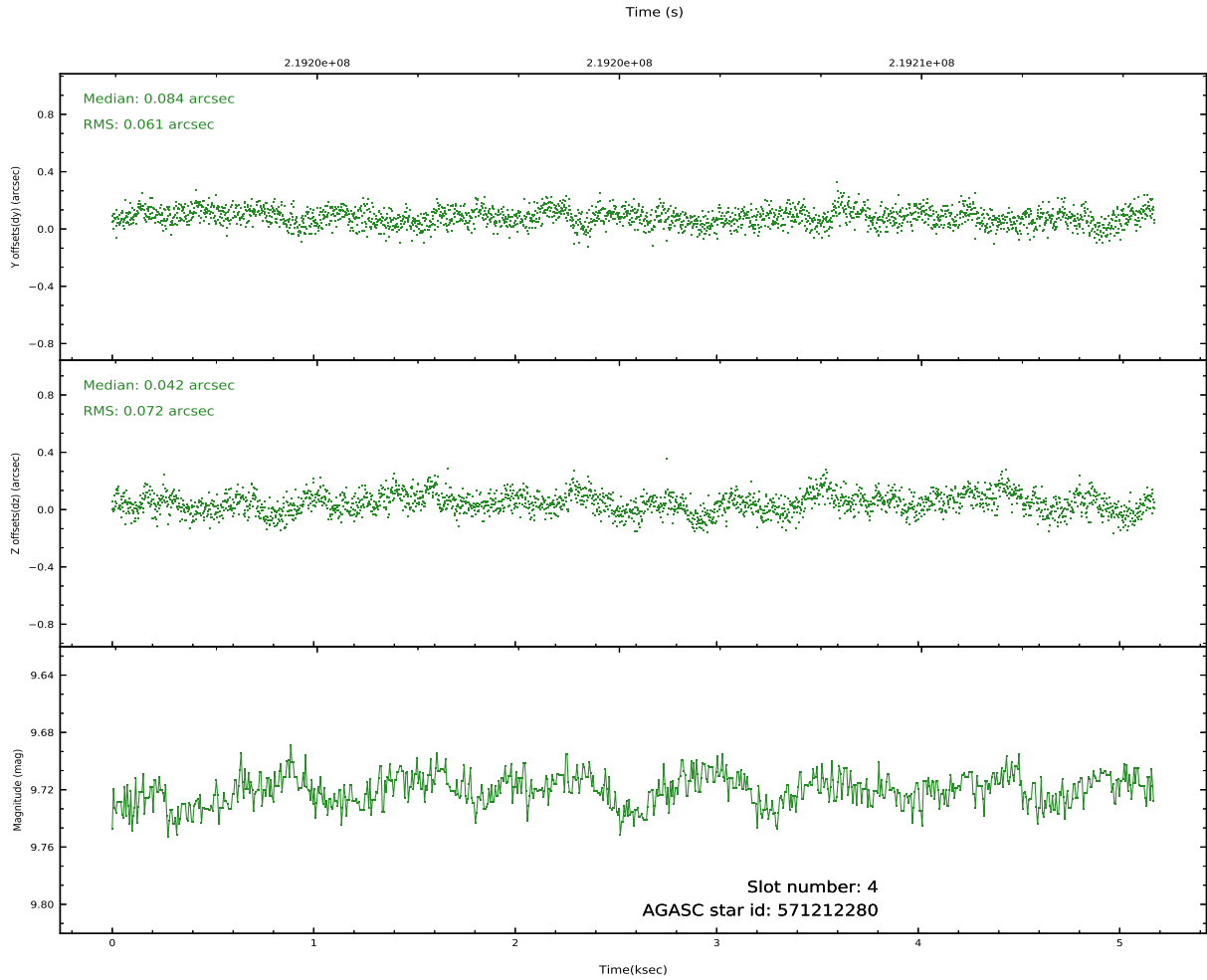
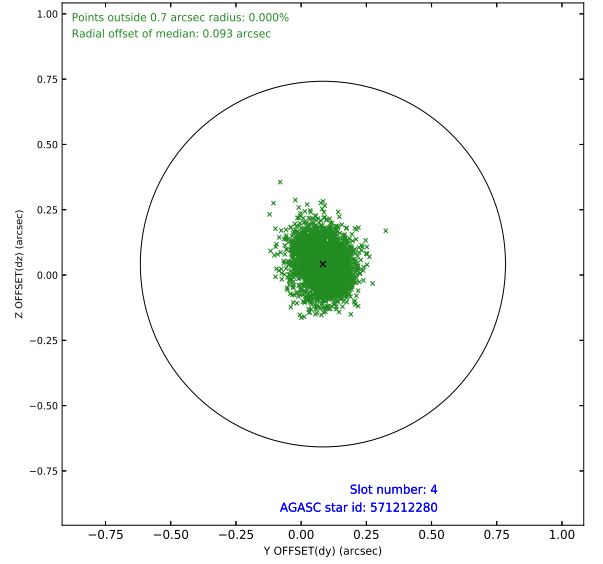
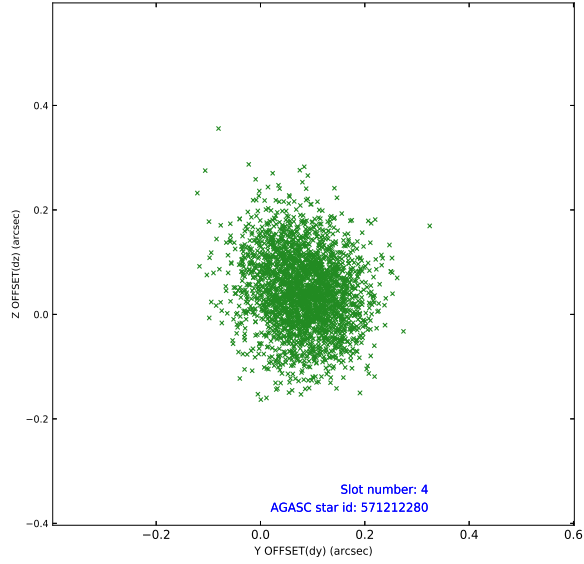
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1262	1.000	-0.060	-0.053	0.010	0.015	0.000000	0.000000	-759.98	-1732
1	FID		ACIS-S-4	7.20	1262	1.000	0.130	0.043	0.007	0.012	0.000000	0.000000	2152.91	174
2	FID		ACIS-S-5	7.23	1262	1.000	-0.101	0.019	0.009	0.015	0.000000	0.000000	-1811.40	169
3	GUIDE	used	538578080	9.25	2523	1.000	0.021	-0.045	0.095	0.150	101.515378	67.229379	-1952.91	1579
4	GUIDE	used	571212280	9.72	2522	1.000	0.084	0.042	0.101	0.163	101.333296	67.994545	-440.27	-735
5	GUIDE	used	571212352	8.71	2522	1.000	-0.053	-0.052	0.064	0.104	99.290653	67.919405	1897.25	755
6	GUIDE	used	571346168	7.67	2524	1.000	-0.104	0.009	0.066	0.109	102.775701	68.218144	-1754.31	-2369
7	GUIDE	used	571213664	9.89	2518	1.000	0.050	0.053	0.128	0.209	99.823955	68.602102	2346.68	-1763

2.4 Star Slots

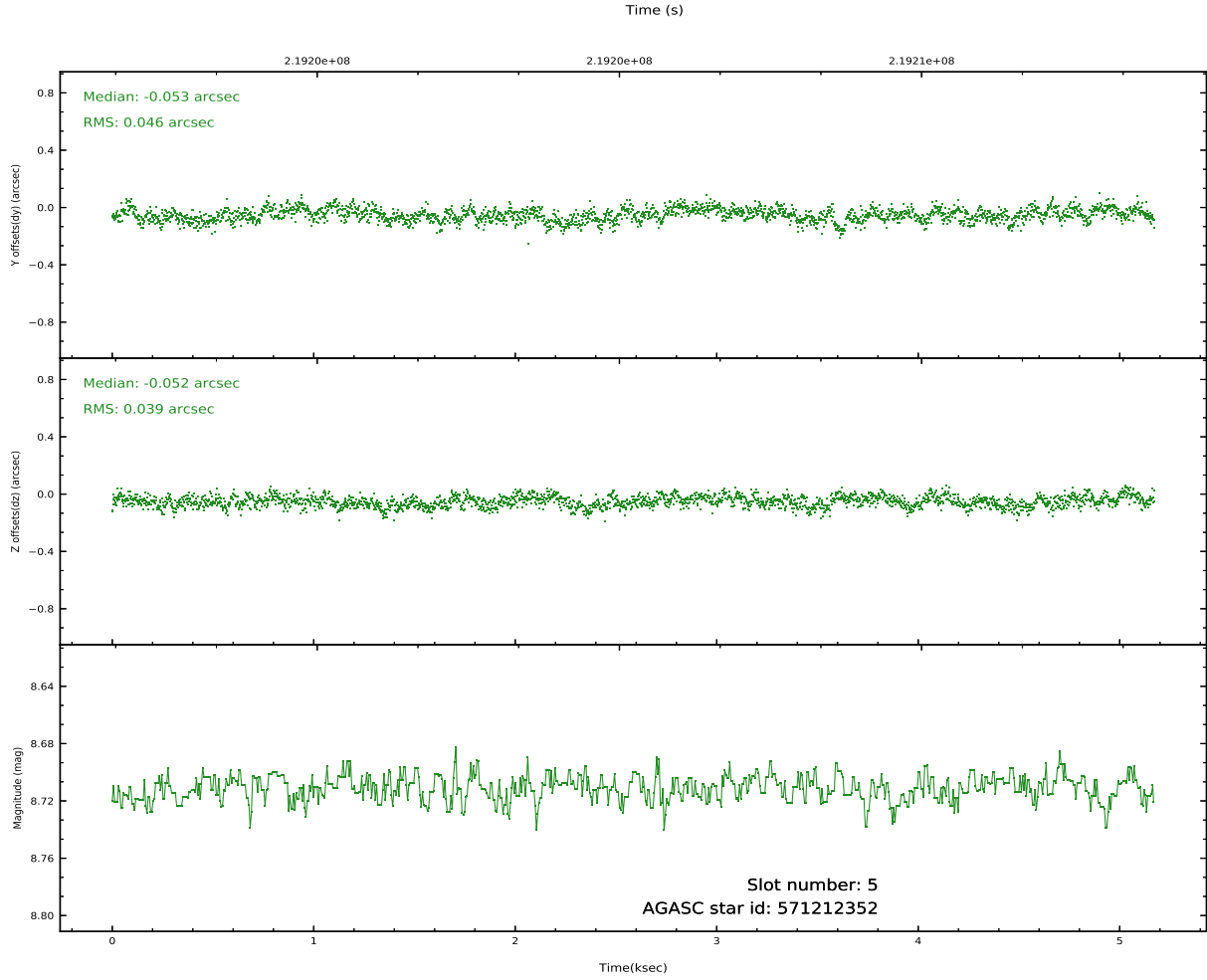
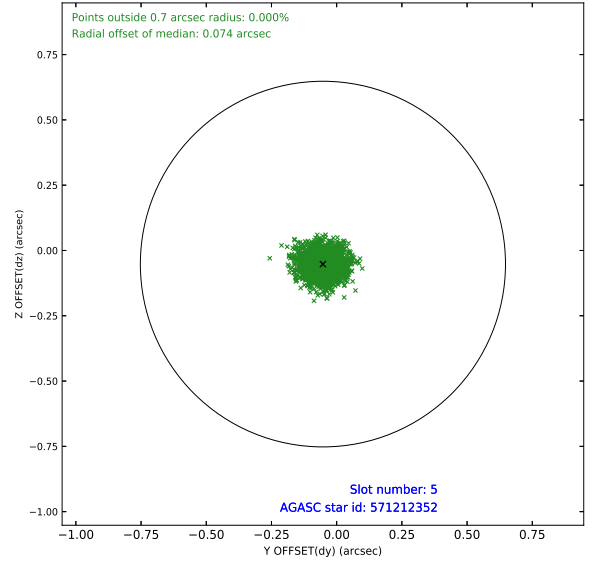
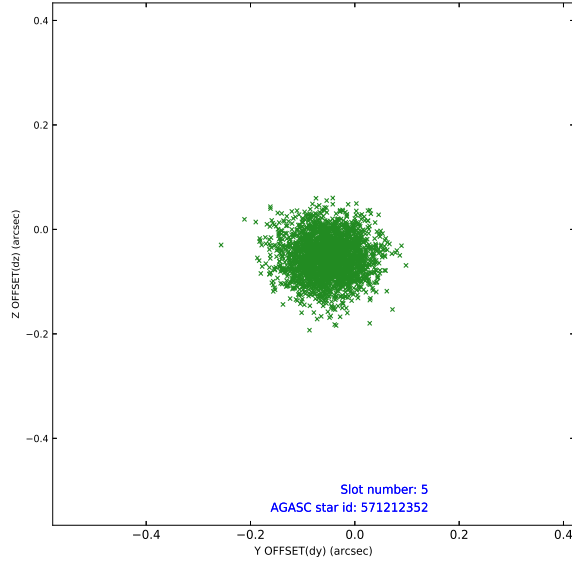
2.4.1 Slot 3



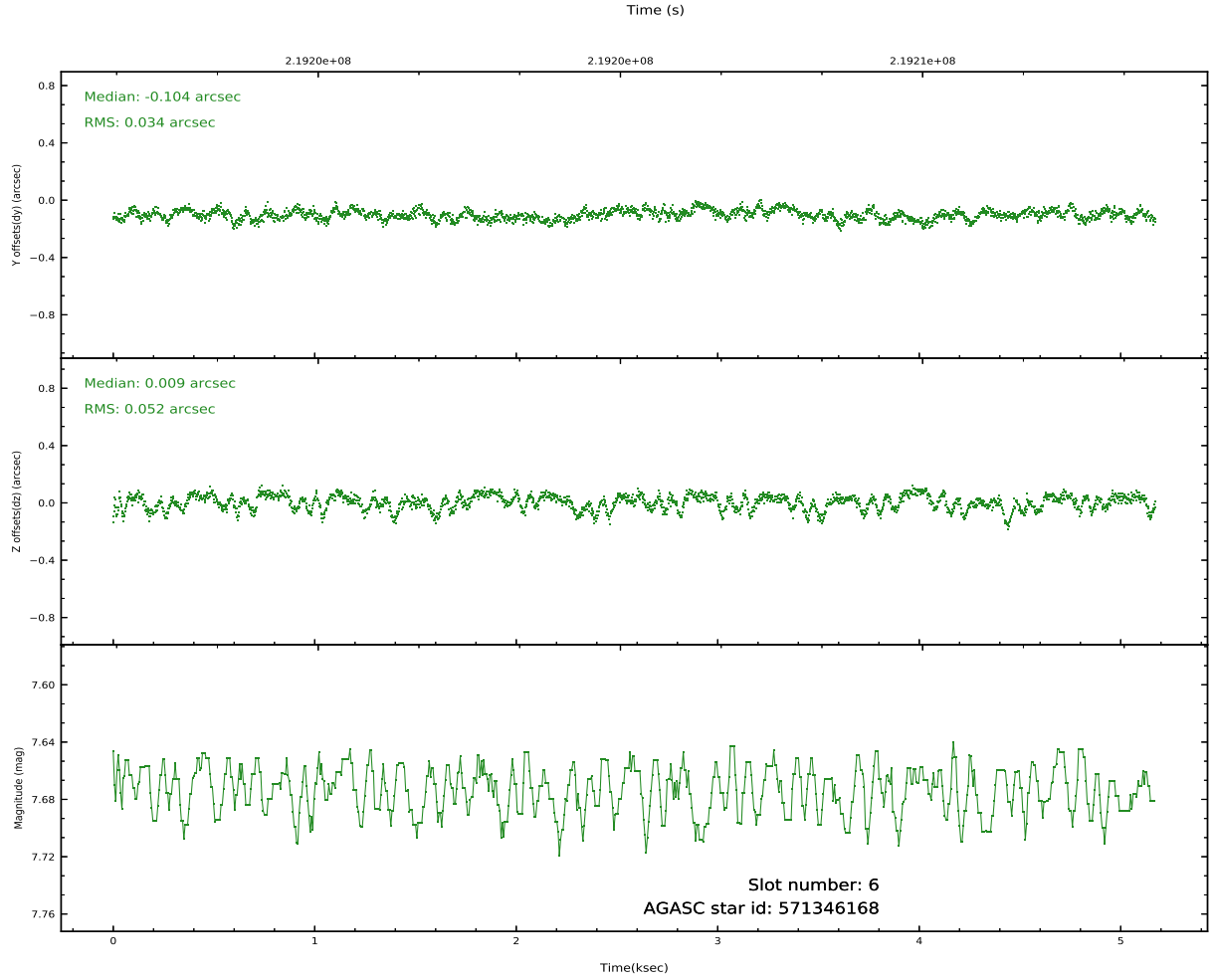
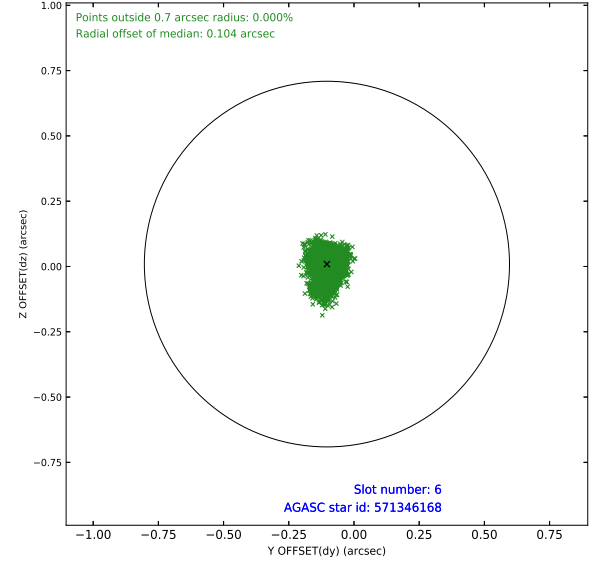
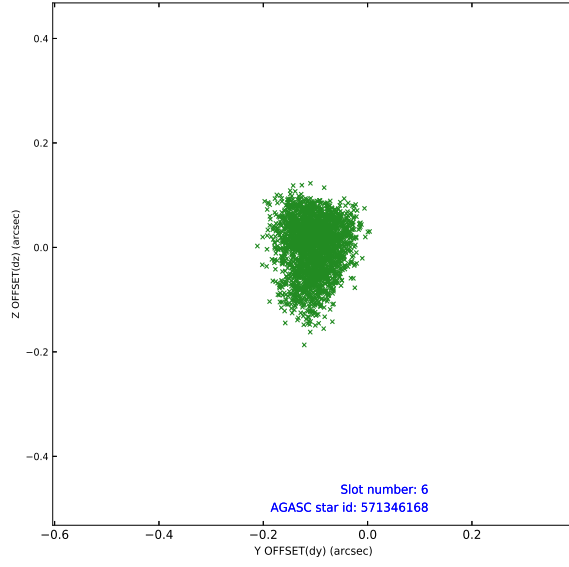
2.4.2 Slot 4



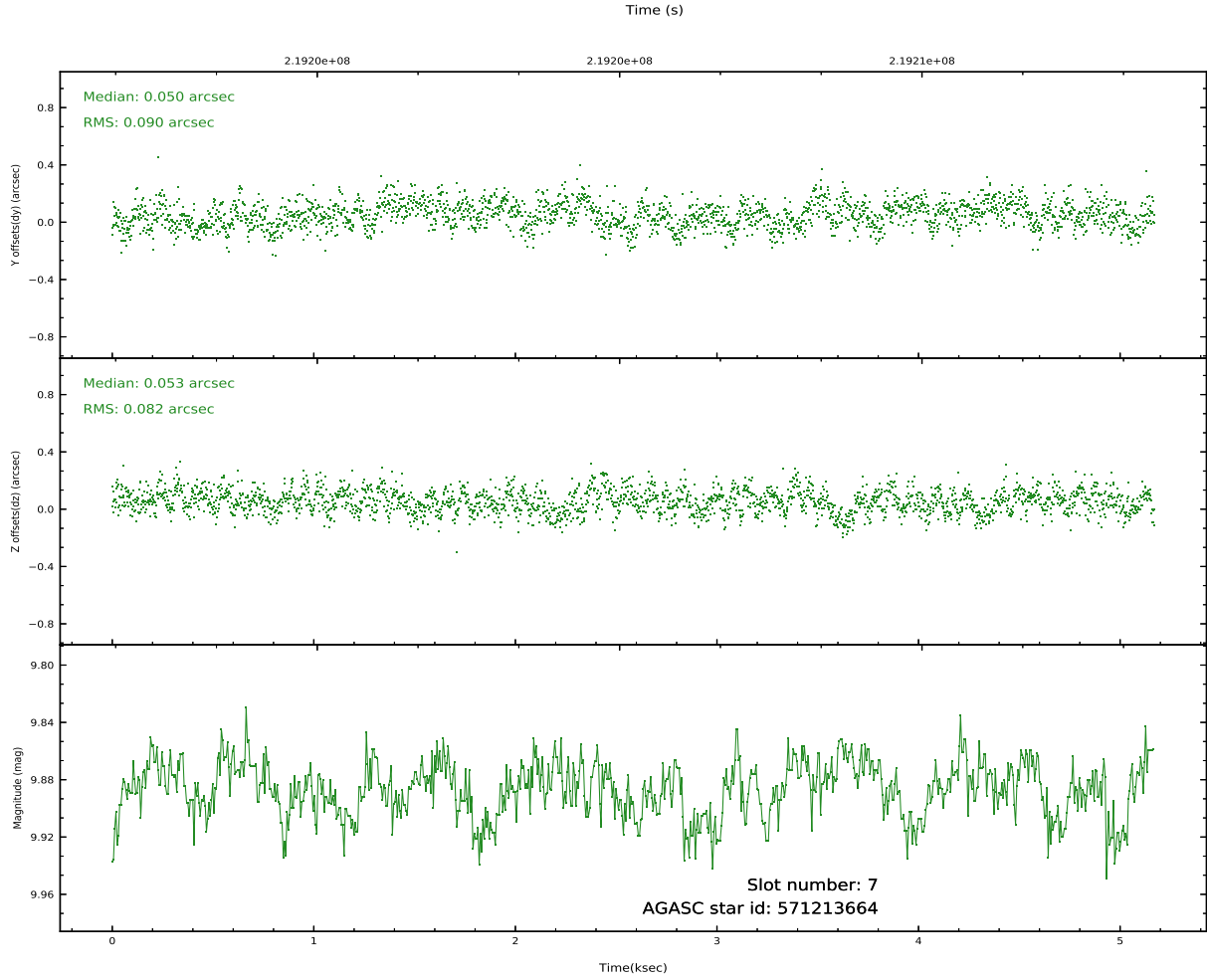
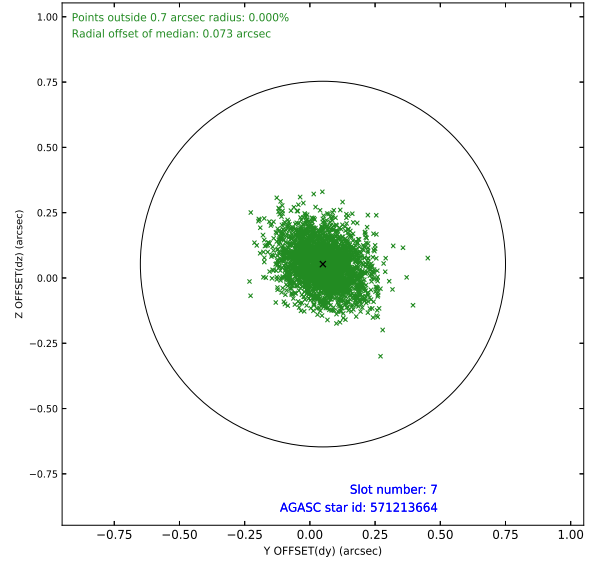
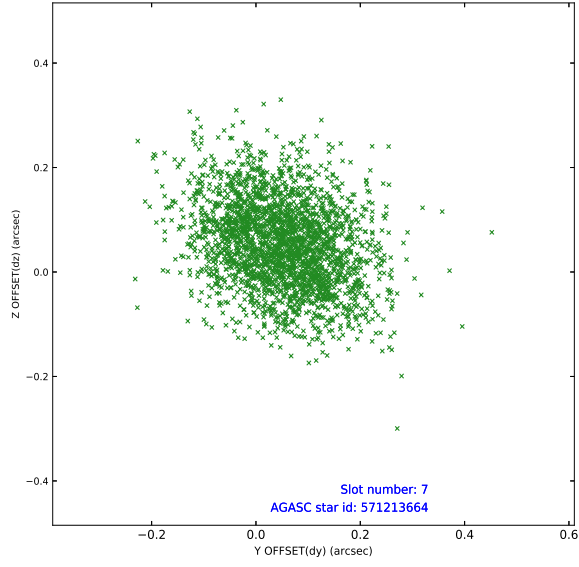
2.4.3 Slot 5



2.4.4 Slot 6

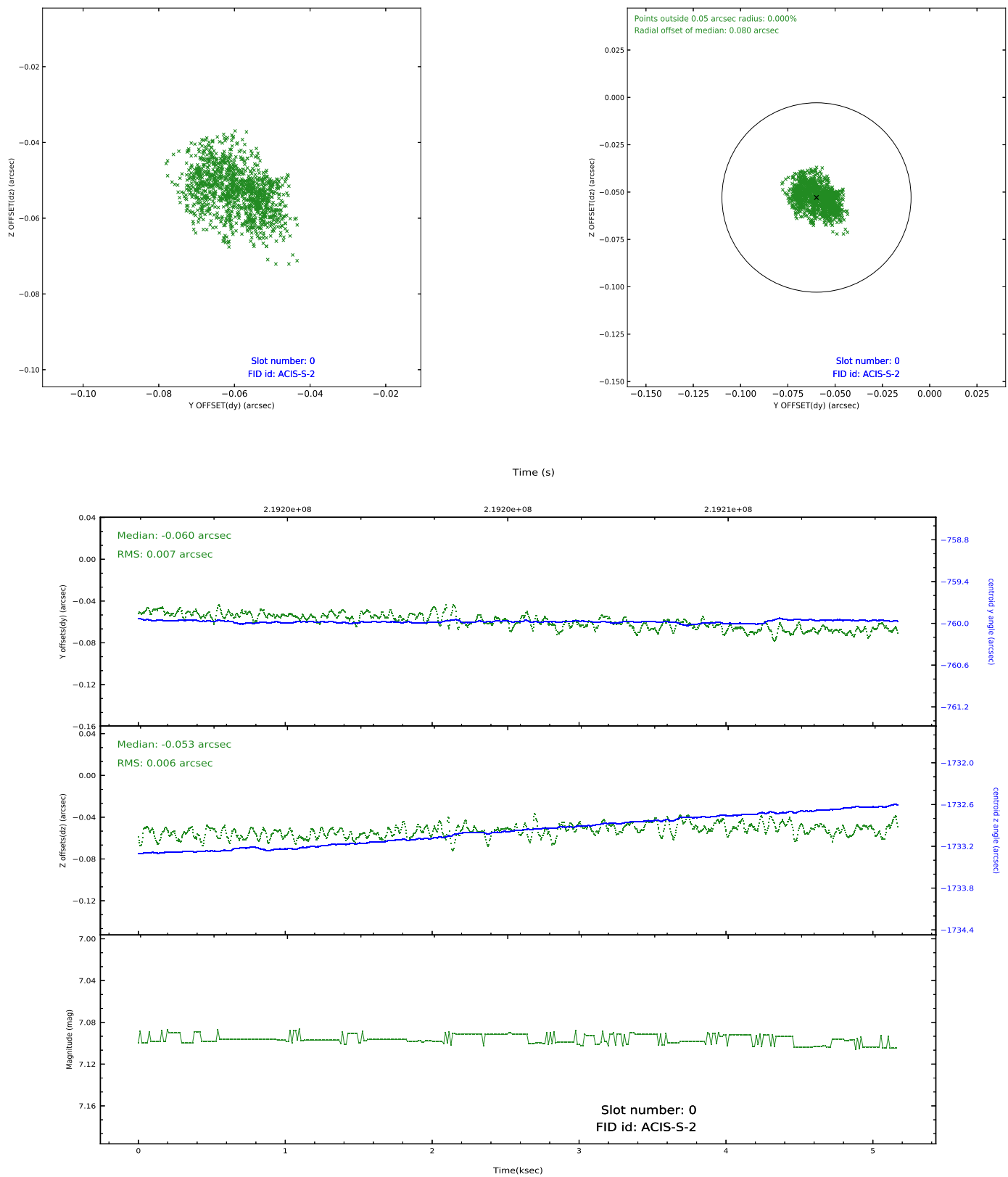


2.4.5 Slot 7

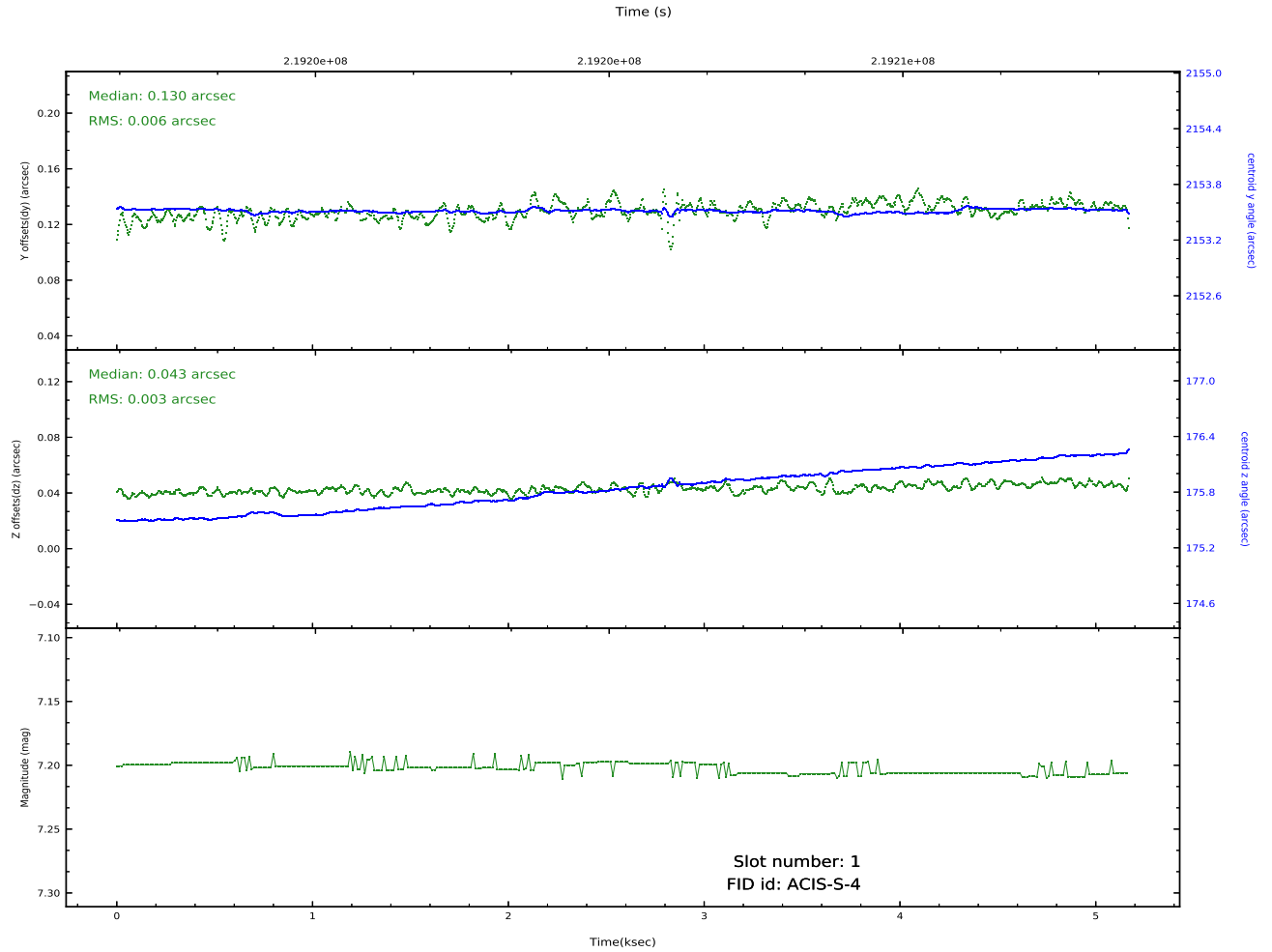
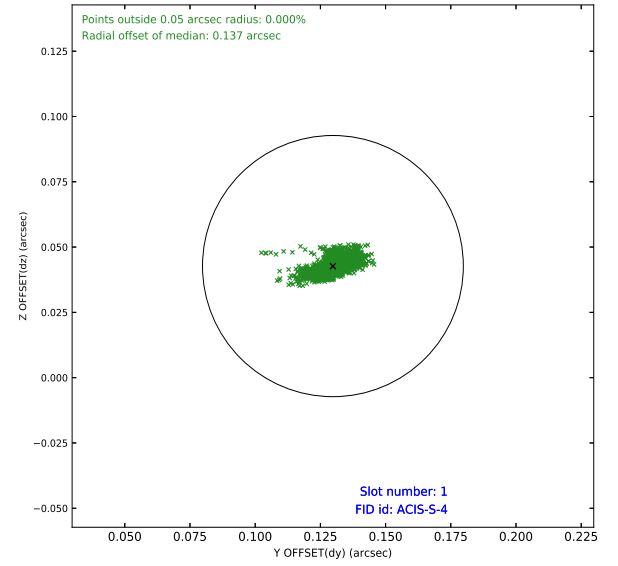
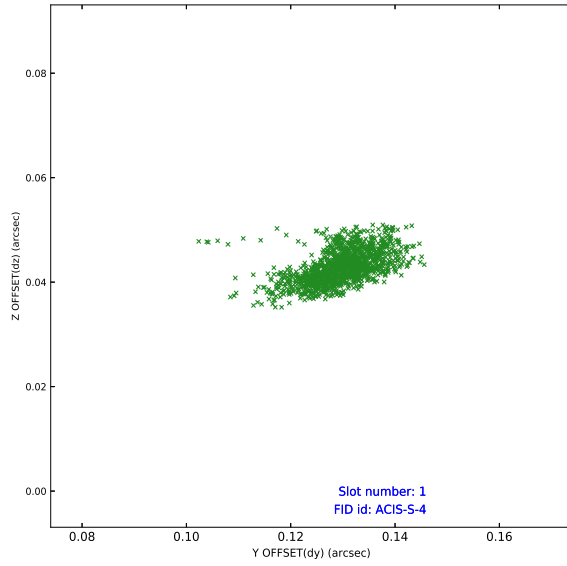


2.5 FID Slots

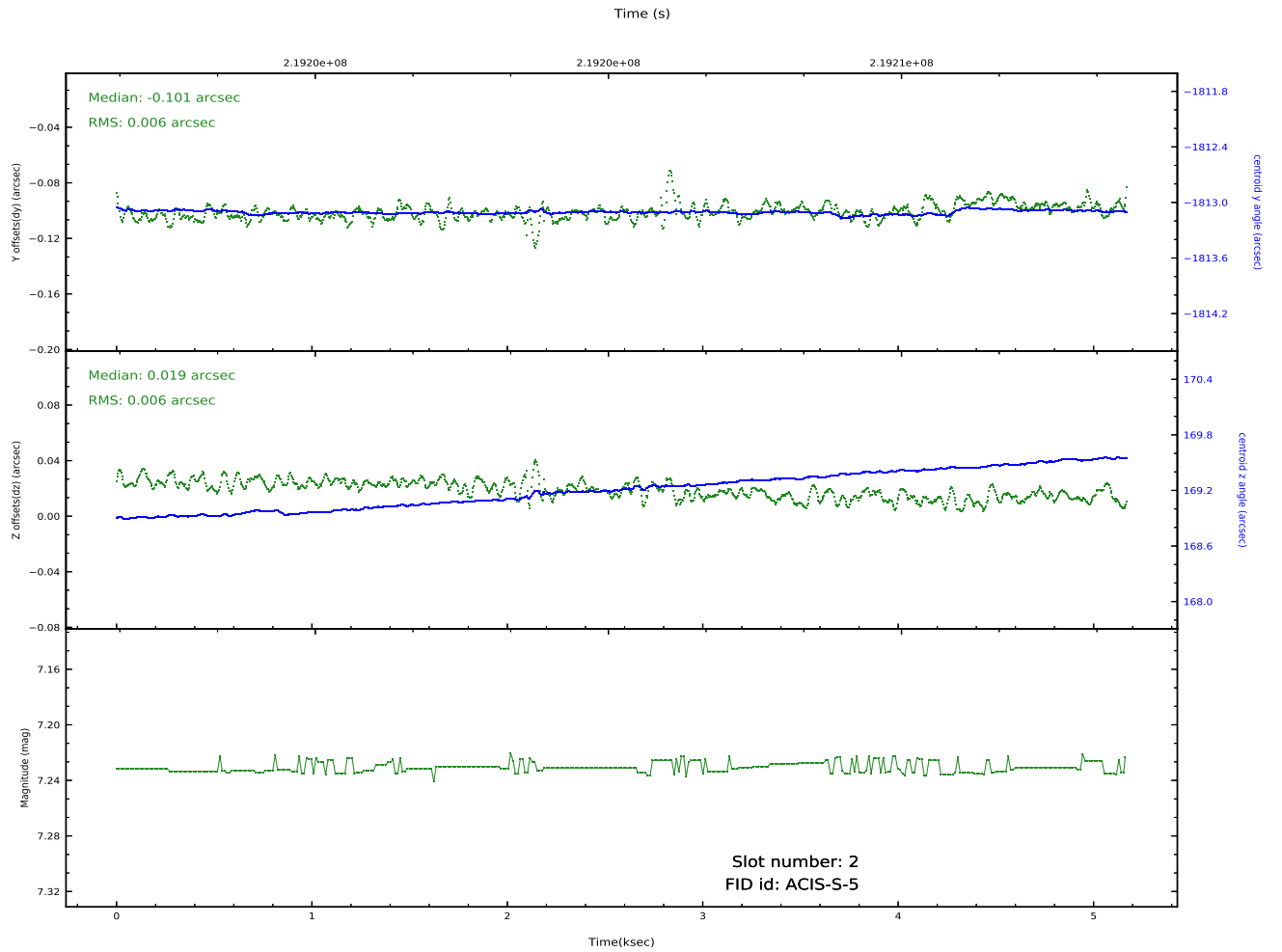
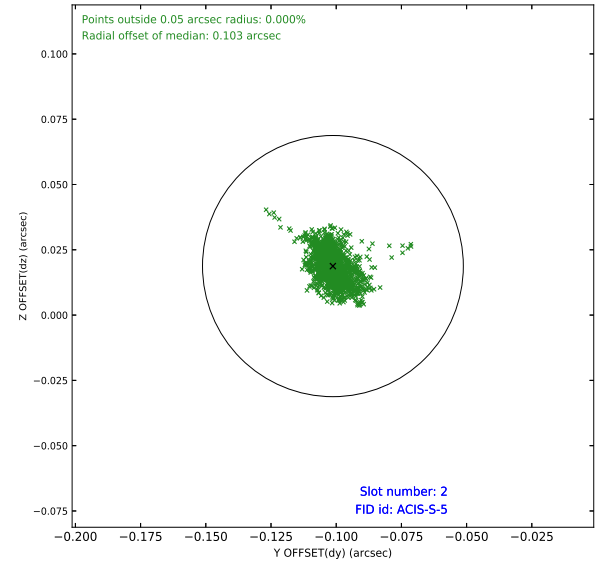
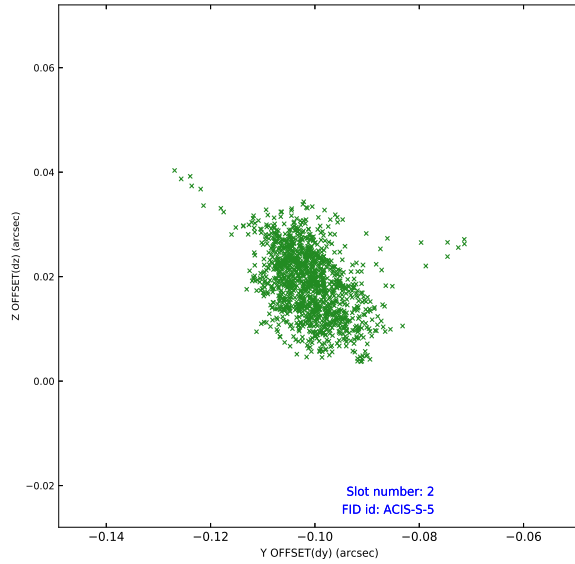
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.164799

A.2 Comments

Joint Proposal: NOAO