

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5687 - L2 Version 4
Chandra X-Ray Center

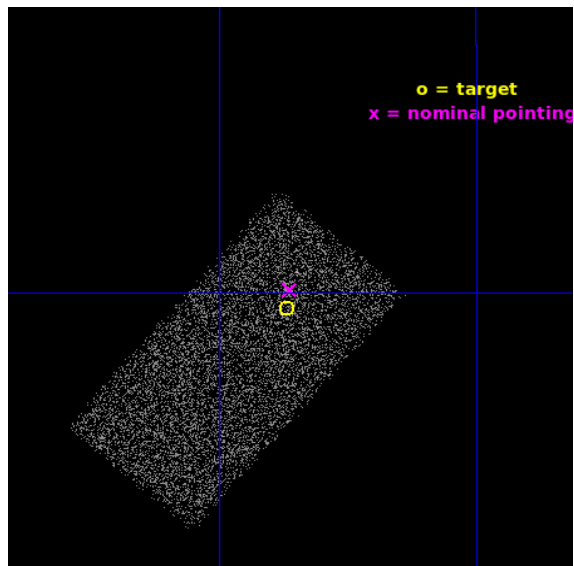
L2 Processing Date : Oct 7 2020

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1 Front

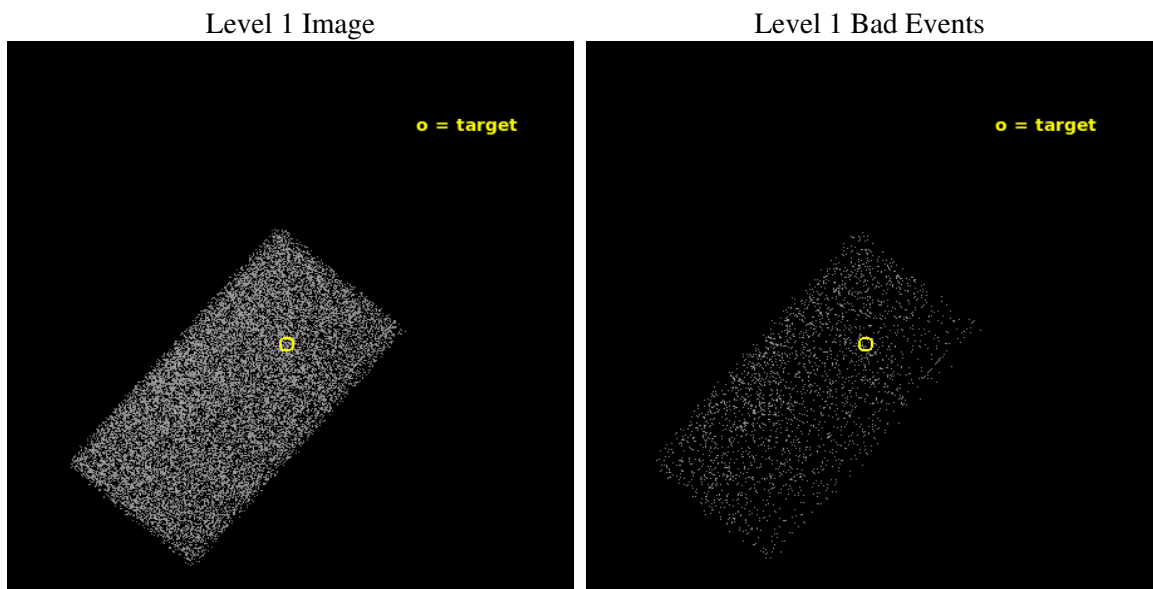
seq_num	701110	Sequence number
obs_id	5687	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1426.8+2619	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.717083	Observer's specified target RA [deg]
dec_targ	26.326389	Observer's specified target Dec [deg]
ra_nom	216.71537182526	Nominal RA [deg]
dec_nom	26.334840839824	Nominal Dec [deg]
roll_nom	130.52560535589	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5179.5	Sum of GTIs [s]
livetime	5041.562840679	Livetime [s]
ontime7	5179.5	Sum of GTIs [s]
l2events	10995	Number of level 2 events



2 OBI

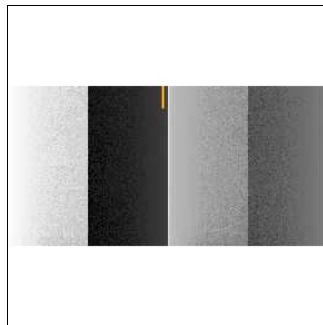
2.1 OBI

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	5179.5	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5179.5	Sum of GTIs [s]
date	2020-10-07T12:16:43	Date and time of file creation	l1events	27498	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	27498
rejected events	16219
rejected %	58%

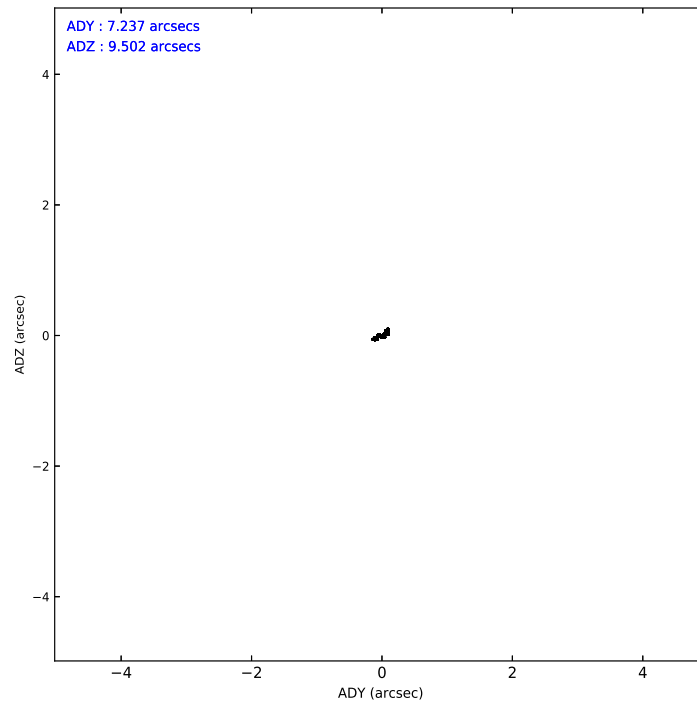
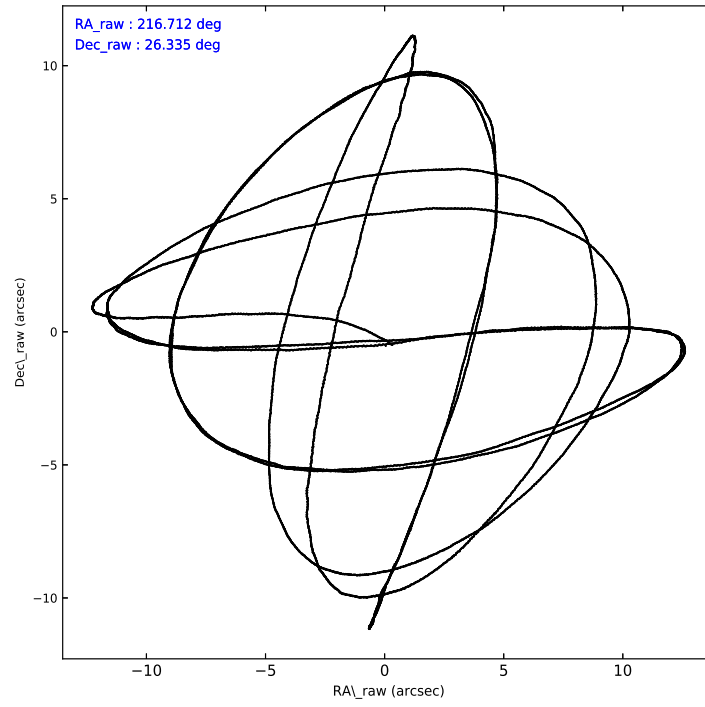
	ccd 7
grade 0 events	1142
	4%
grade 1 events	22
	0%
grade 2 events	2310
	8%
grade 3 events	1152
	4%
grade 4 events	1209
	4%
grade 5 events	2710
	9%
grade 6 events	6008
	21%
grade 7 events	12945
	47%

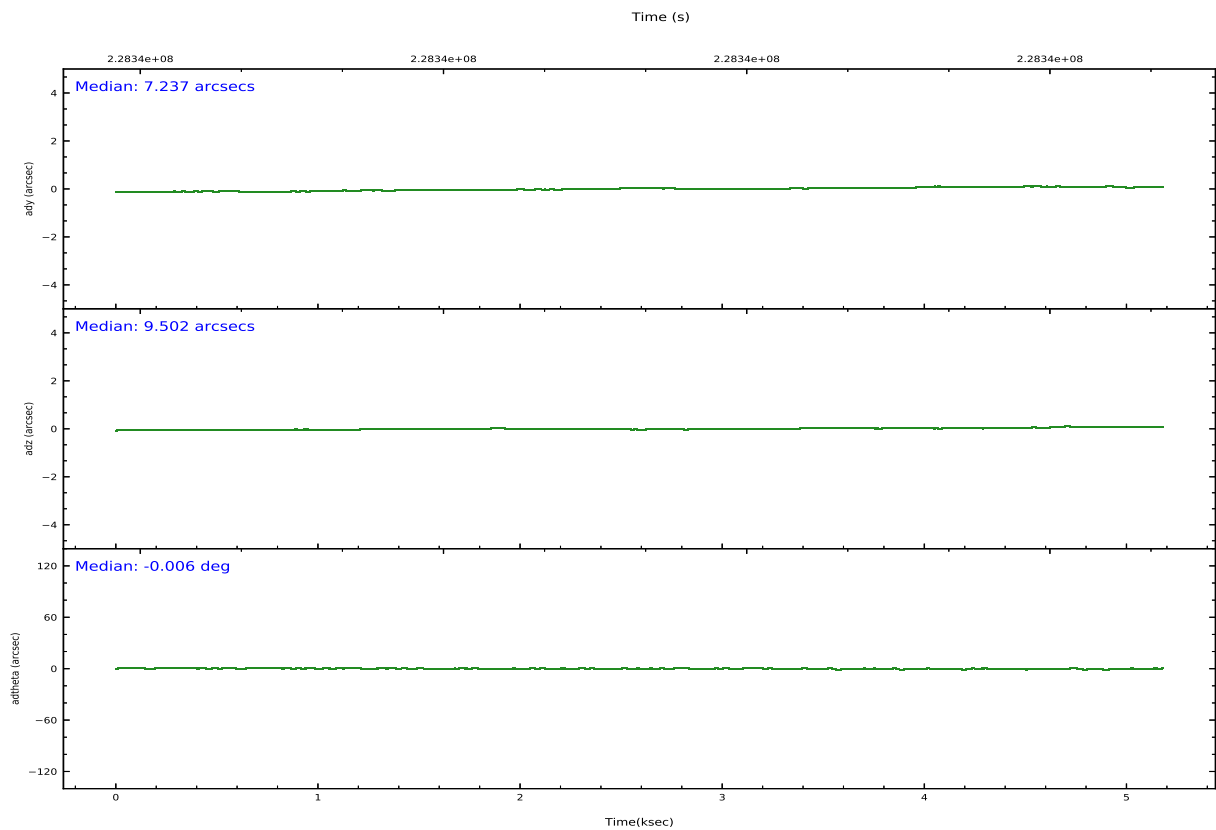
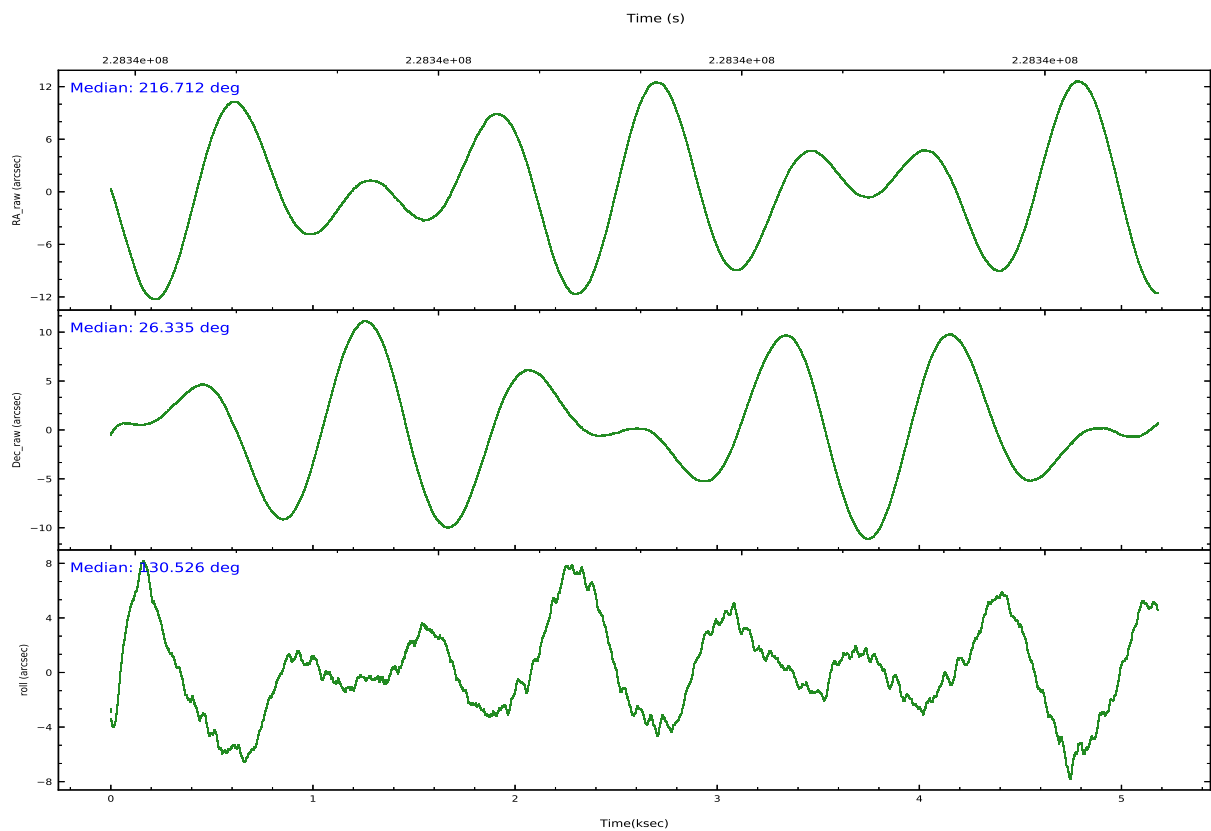
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	216.740399	216.71537182526
[deg] Pointing Dec	26.325994	26.334840839824
[deg] Pointing Roll	130.358087	130.52560535589
[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)	228338561.184000	228337780.3223
Observation start date	2005-03-27T19:21:37	2005-03-27T19:09:40
[s] Observation end time (MET)	228343561.184000	228344175.81009
Observation end date	2005-03-27T20:44:57	2005-03-27T20:56:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.5

2.3 Aspect



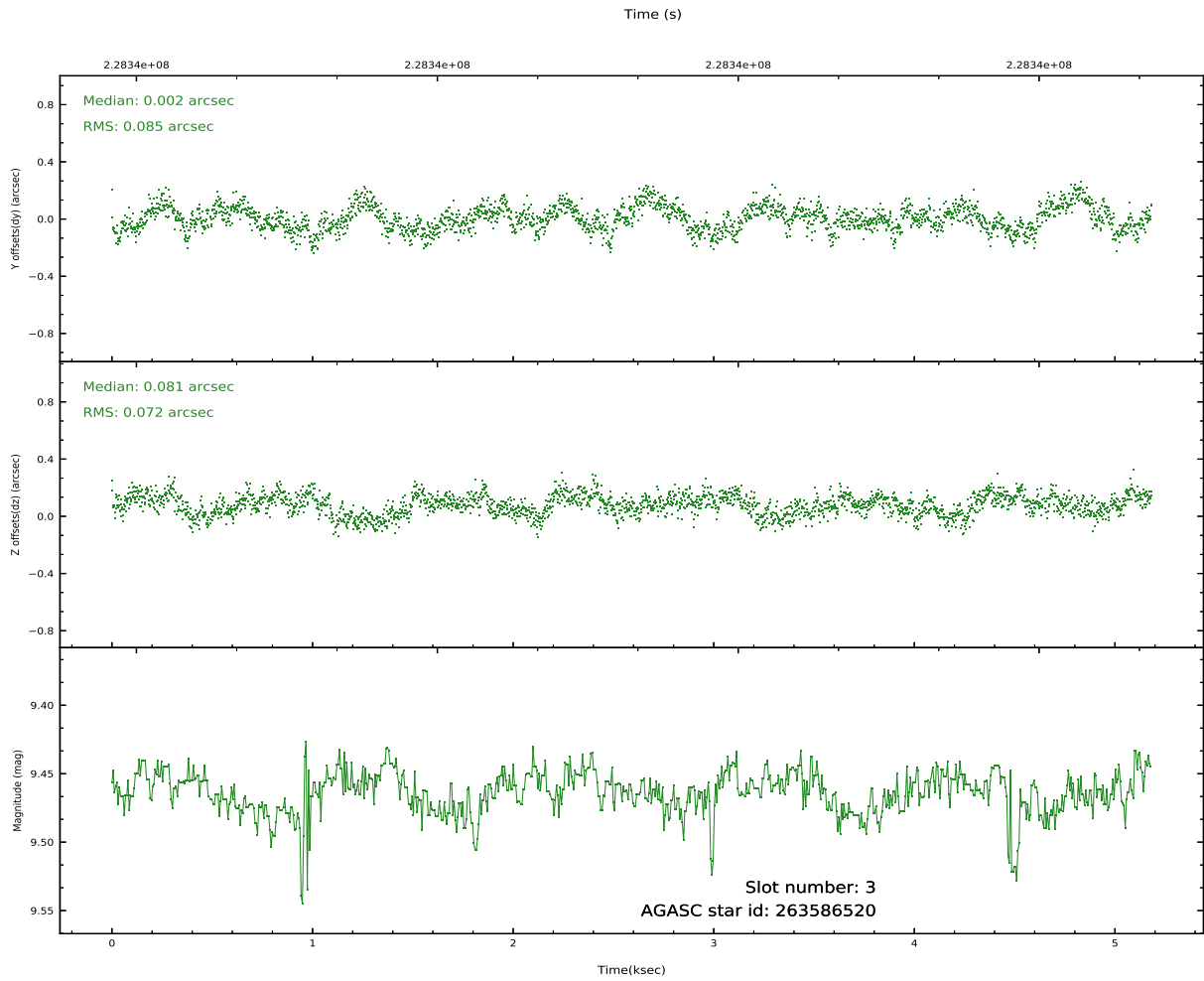
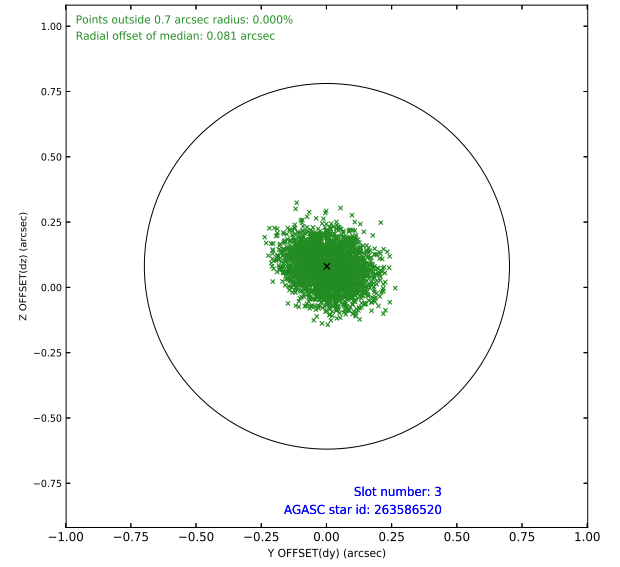
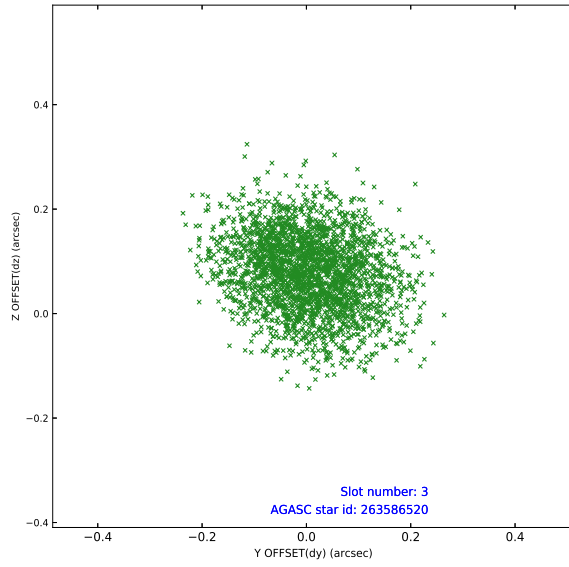


Slot Statistics

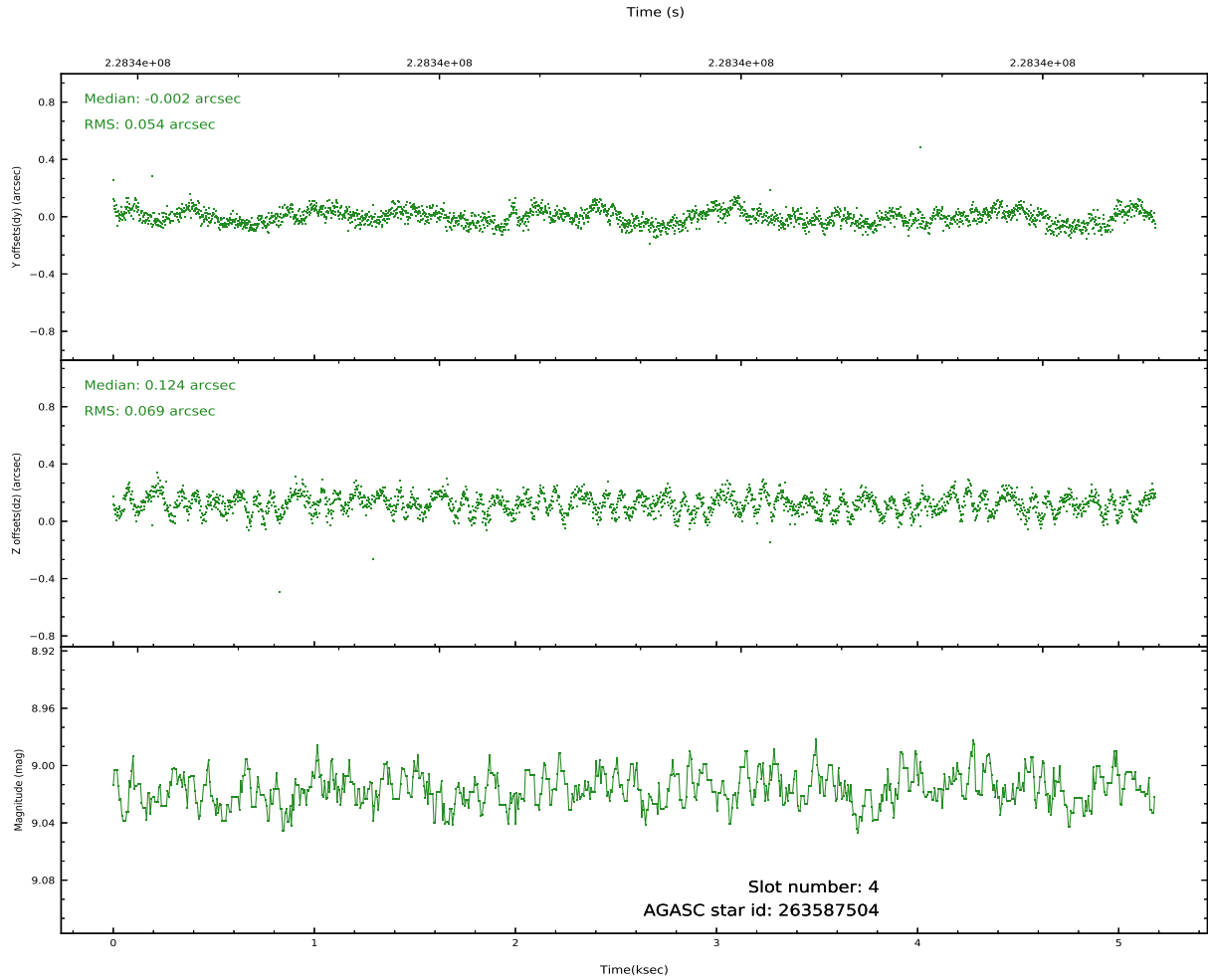
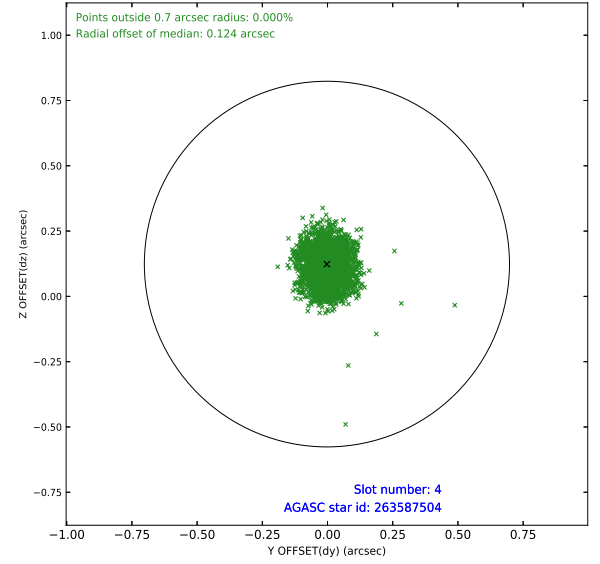
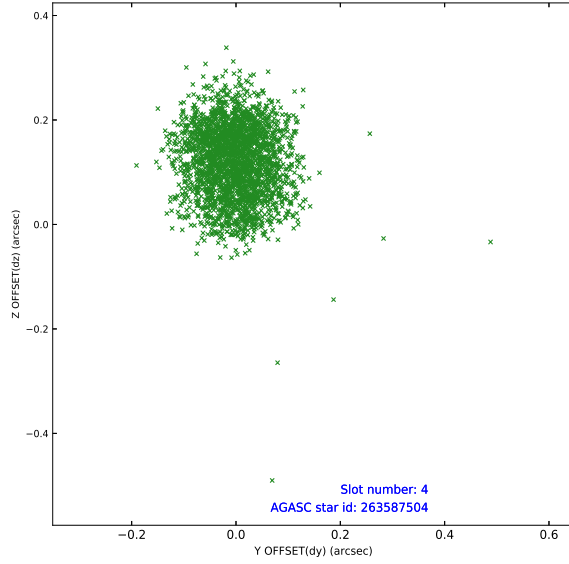
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1264	1.000	-0.074	-0.074	0.007	0.012	0.000000	0.000000	-760.00	-1730
1	FID		ACIS-S-4	7.21	1264	1.000	0.156	0.055	0.005	0.010	0.000000	0.000000	2152.91	176
2	FID		ACIS-S-5	7.23	1264	1.000	-0.113	0.028	0.007	0.011	0.000000	0.000000	-1811.44	171
3	GUIDE	used	263586520	9.46	2511	1.000	0.002	0.081	0.119	0.193	216.777743	26.982936	1725.03	-1622
4	GUIDE	used	263587504	9.02	2528	1.000	-0.002	0.124	0.092	0.143	217.366070	26.597038	-555.82	-2170
5	GUIDE	used	263587824	8.23	2458	1.000	0.013	-0.023	0.057	0.091	217.000194	26.590770	185.59	-1256
6	GUIDE	used	263592008	9.07	2528	1.000	0.028	-0.058	0.095	0.153	216.283033	26.162303	510.08	1505
7	GUIDE	used	263592472	7.11	2528	1.000	-0.044	-0.112	0.063	0.099	216.477415	26.265268	384.16	788

2.4 Star Slots

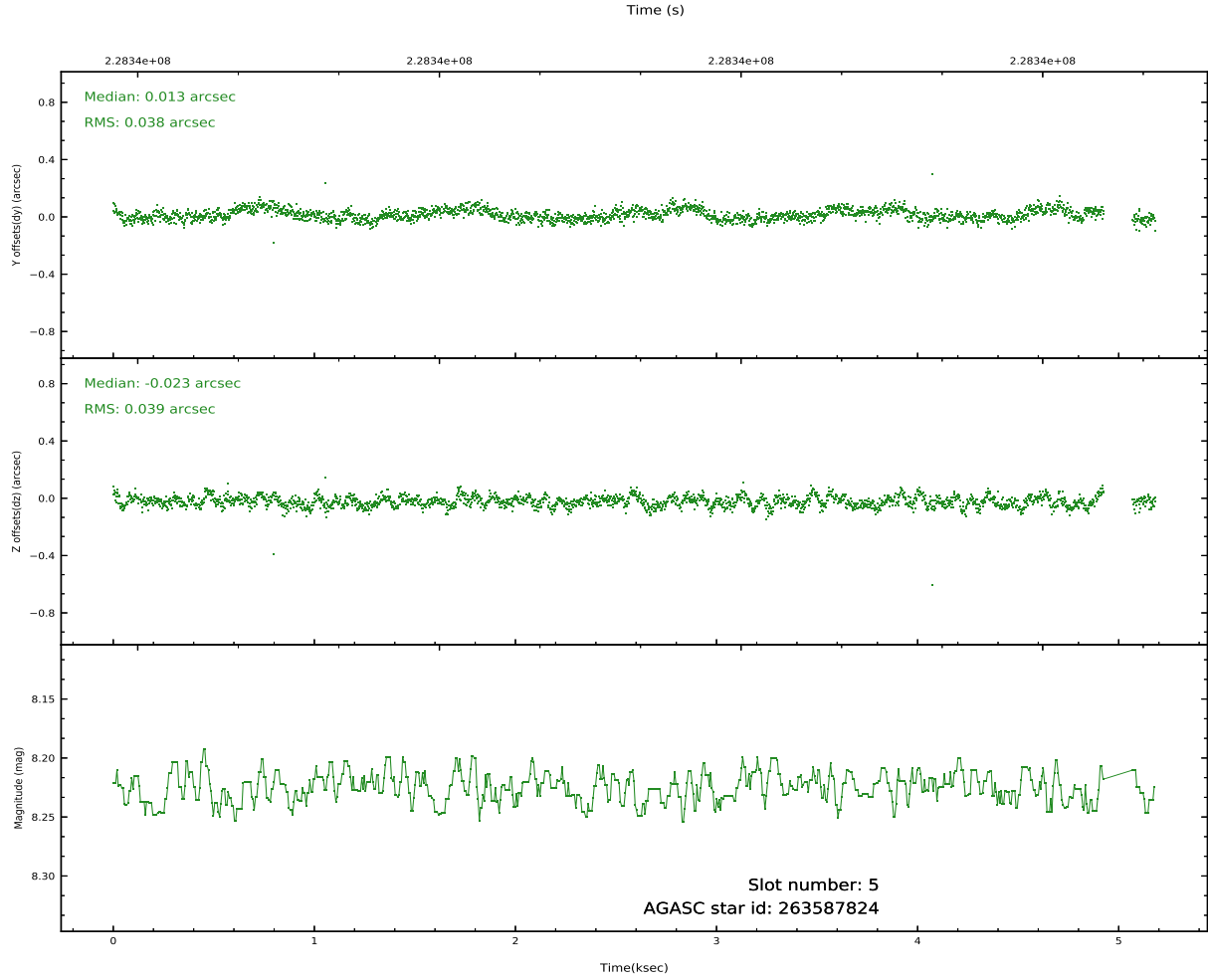
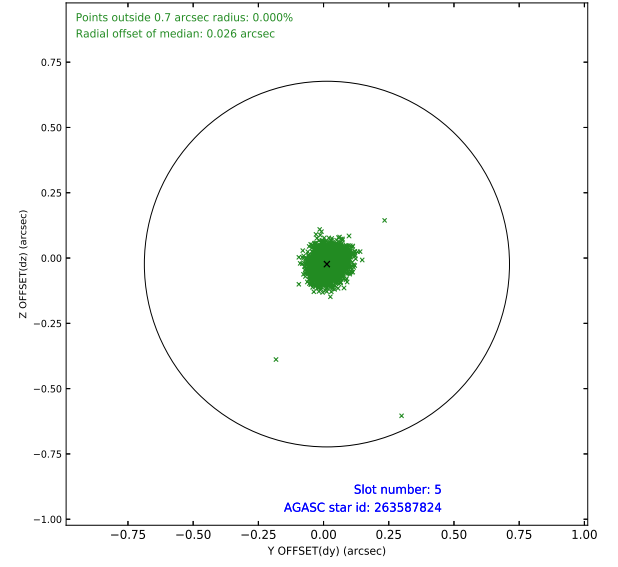
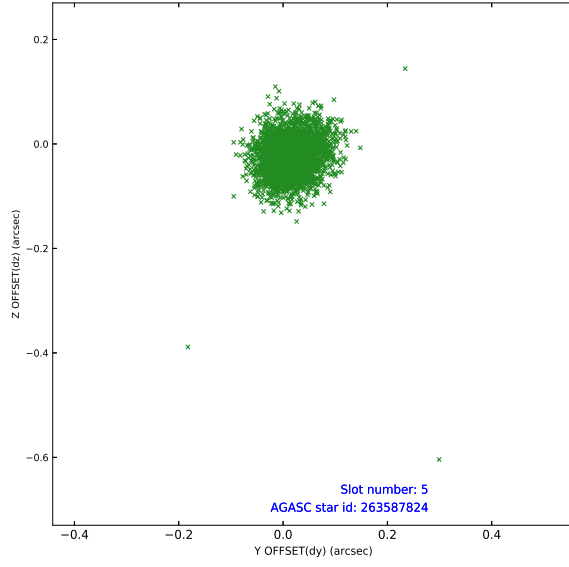
2.4.1 Slot 3



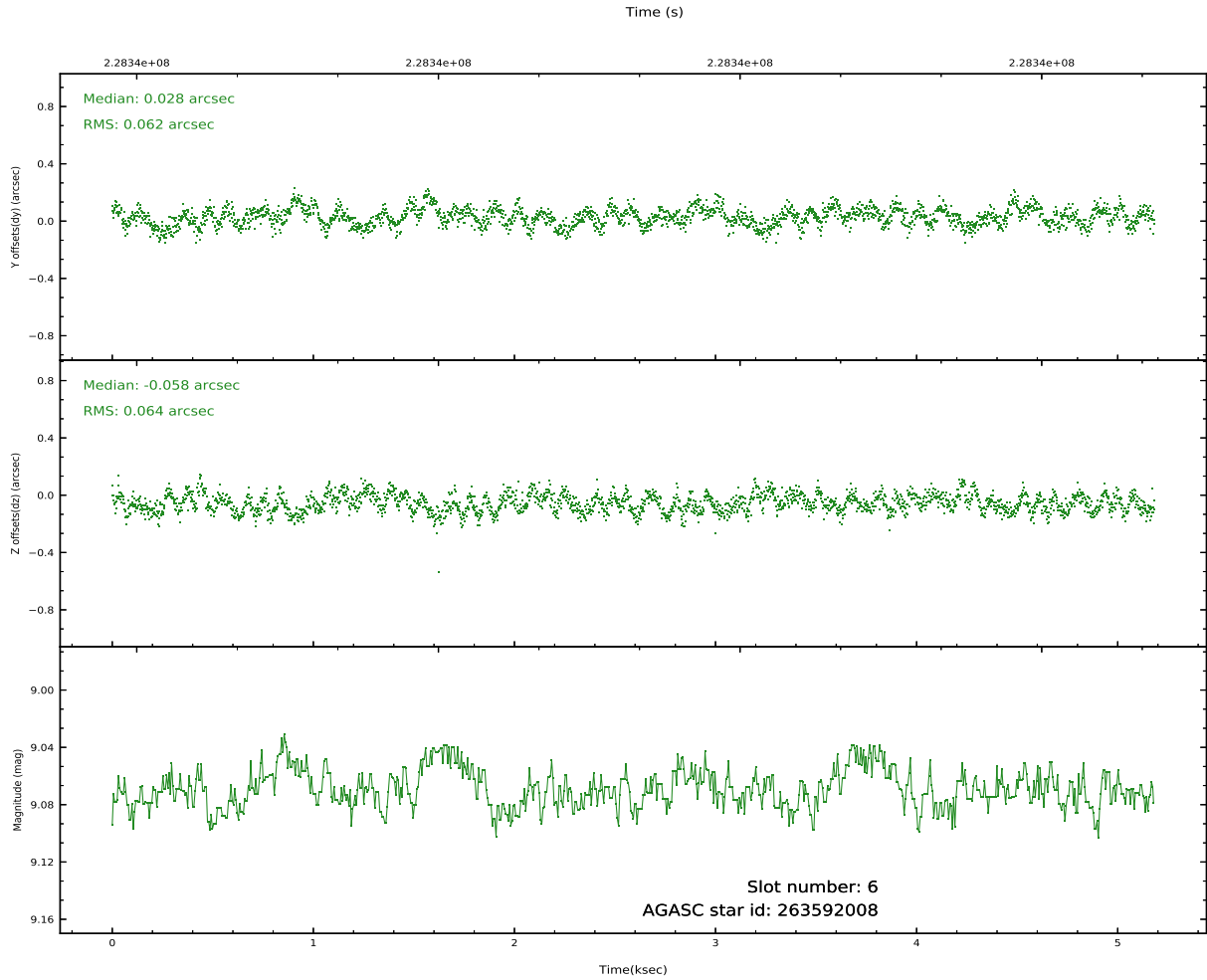
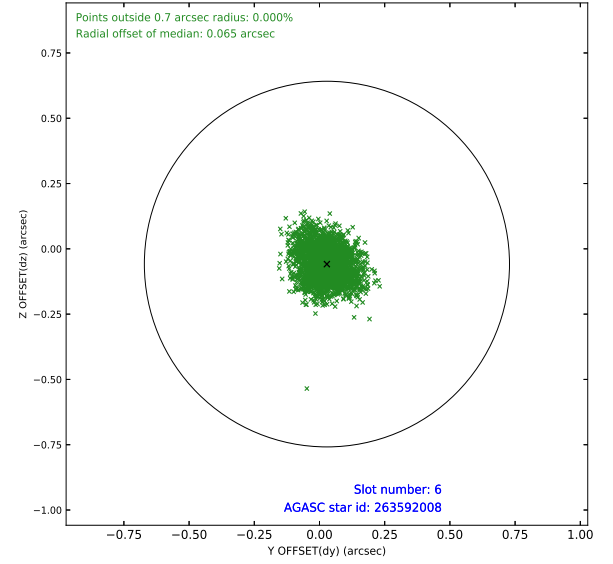
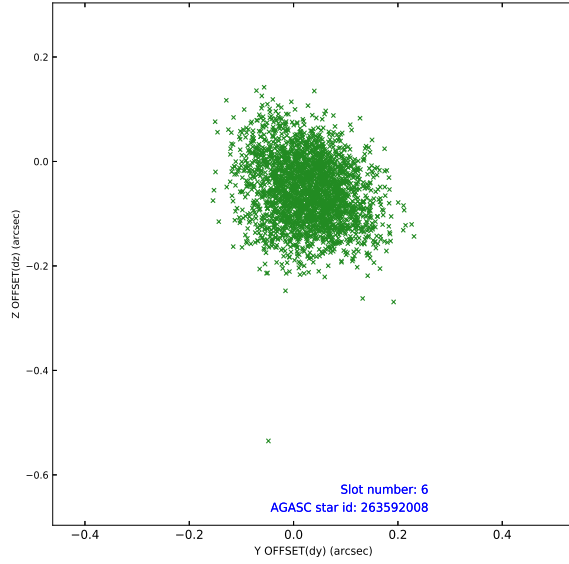
2.4.2 Slot 4



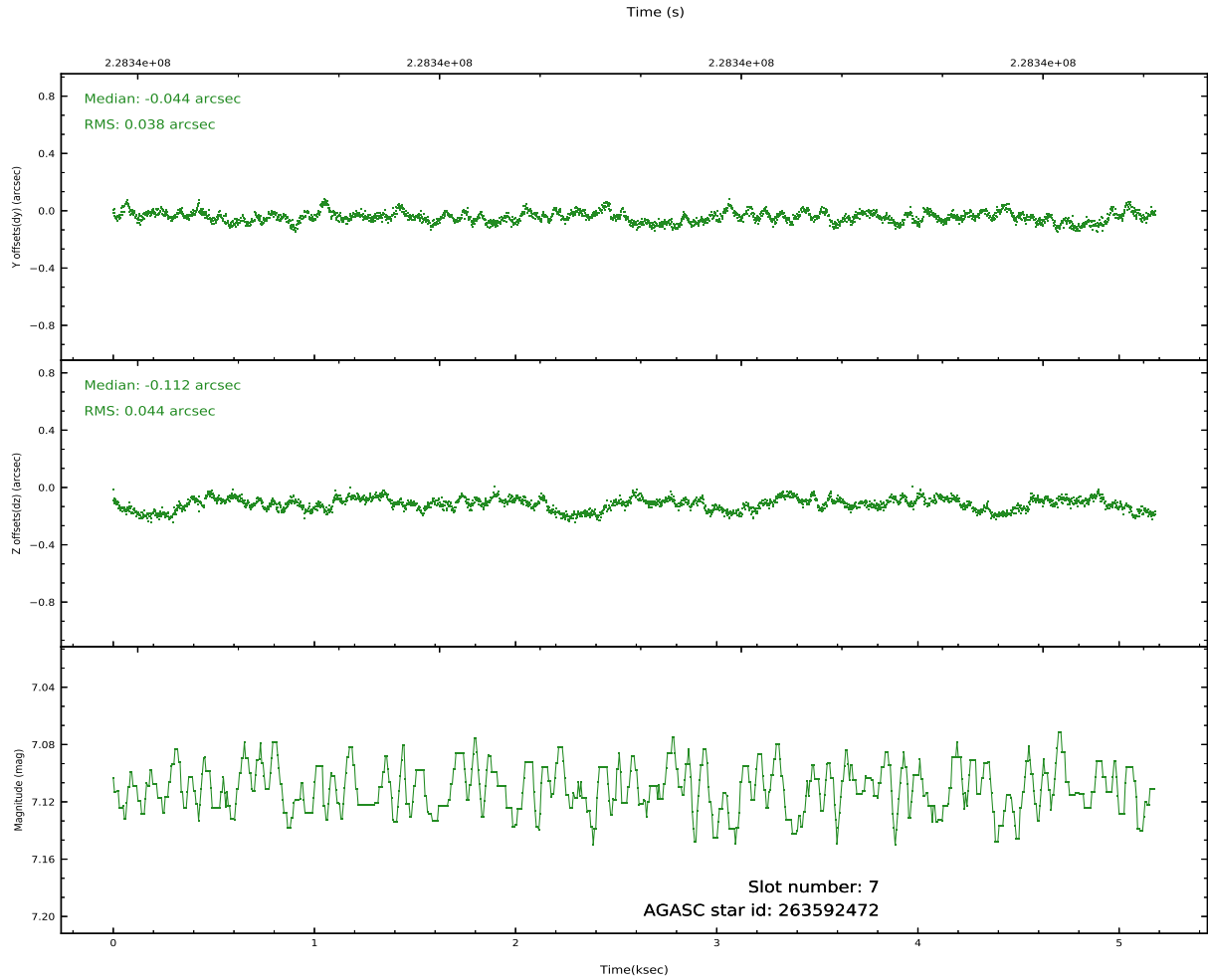
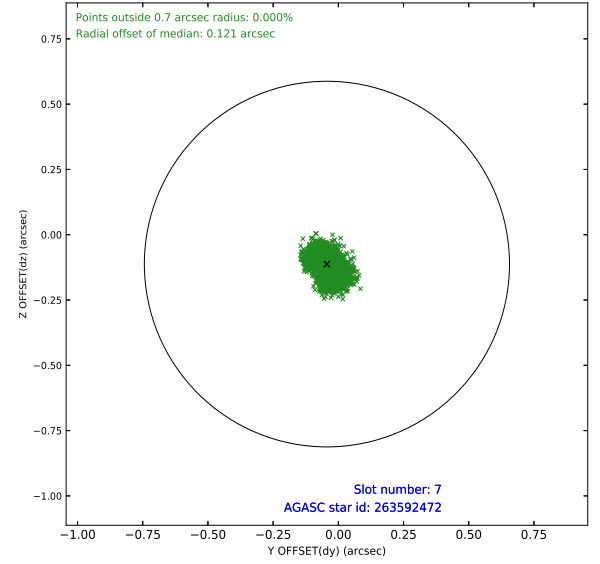
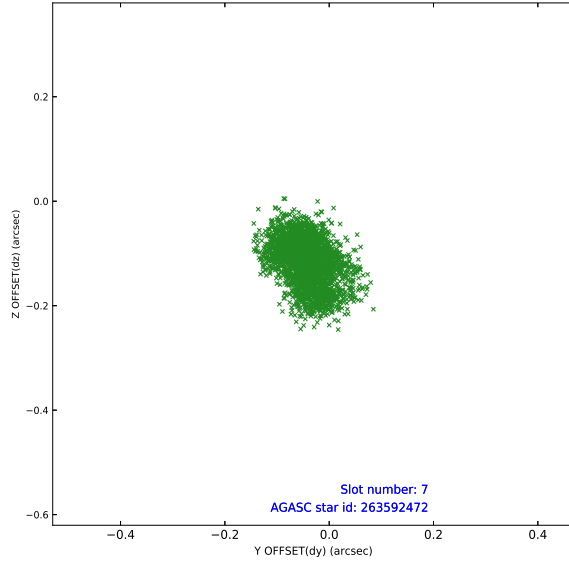
2.4.3 Slot 5



2.4.4 Slot 6

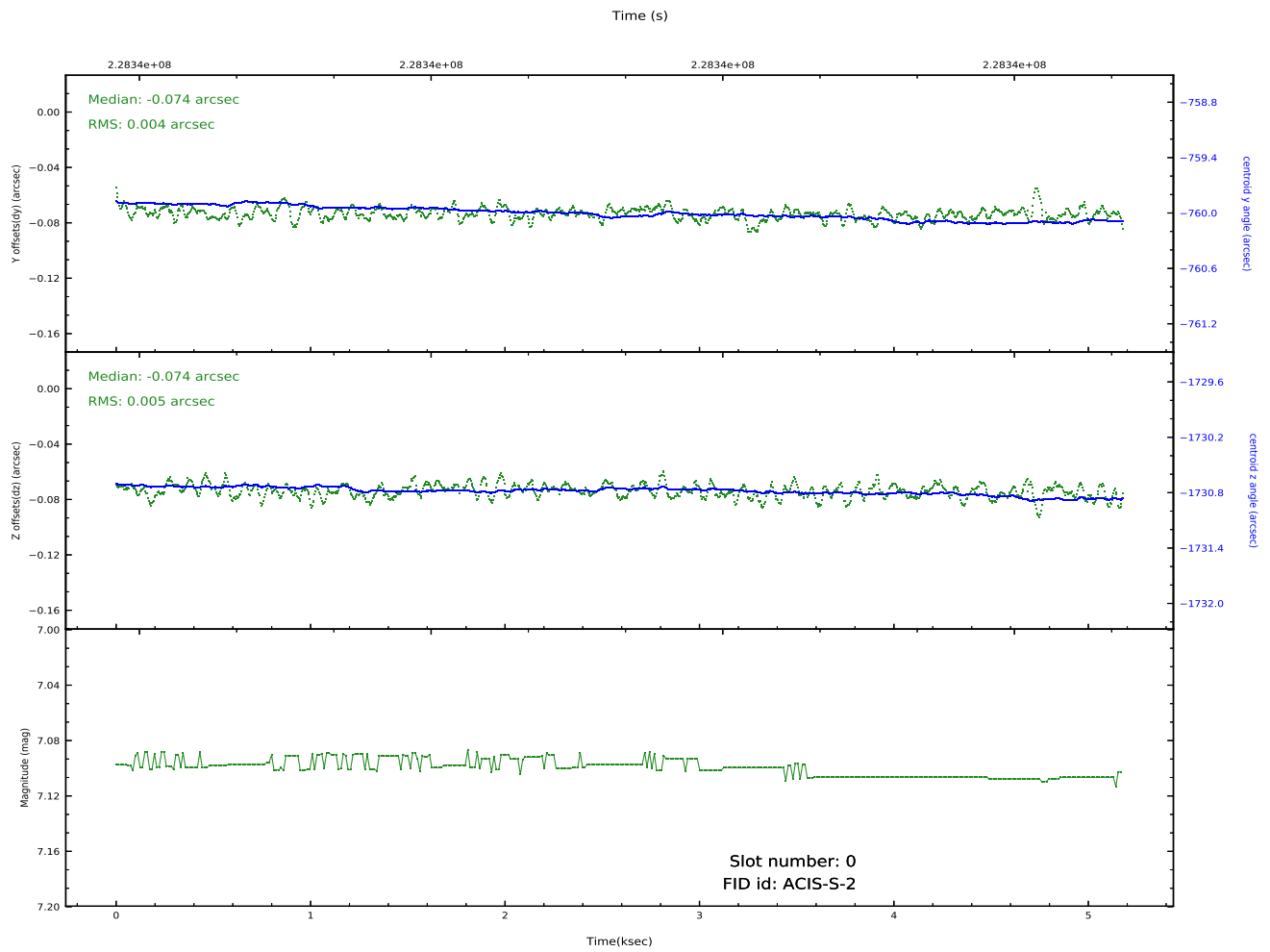
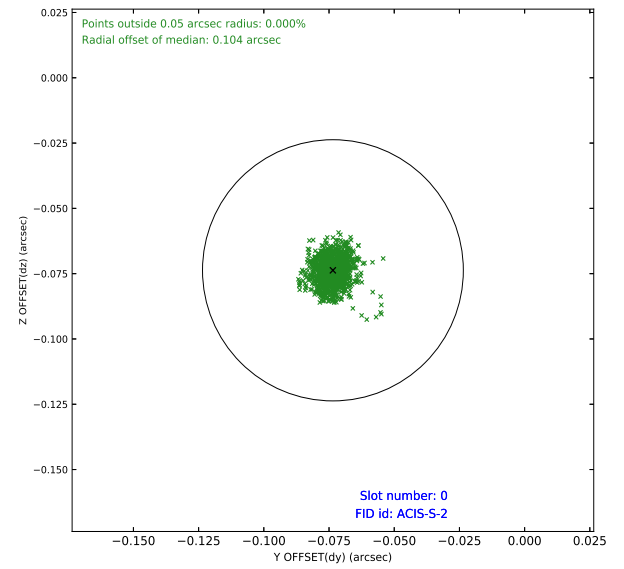
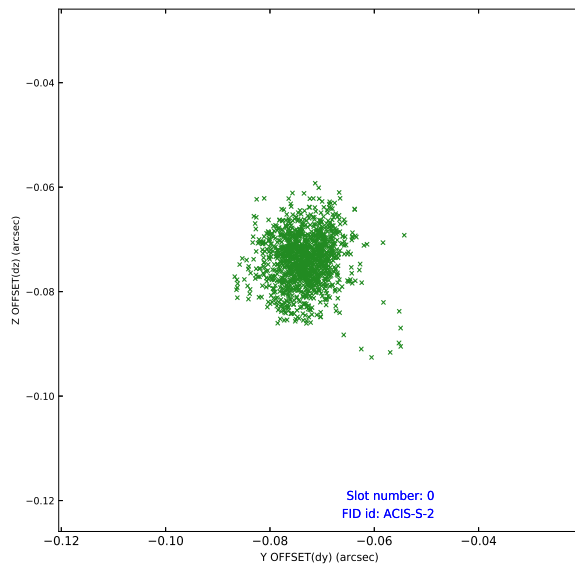


2.4.5 Slot 7

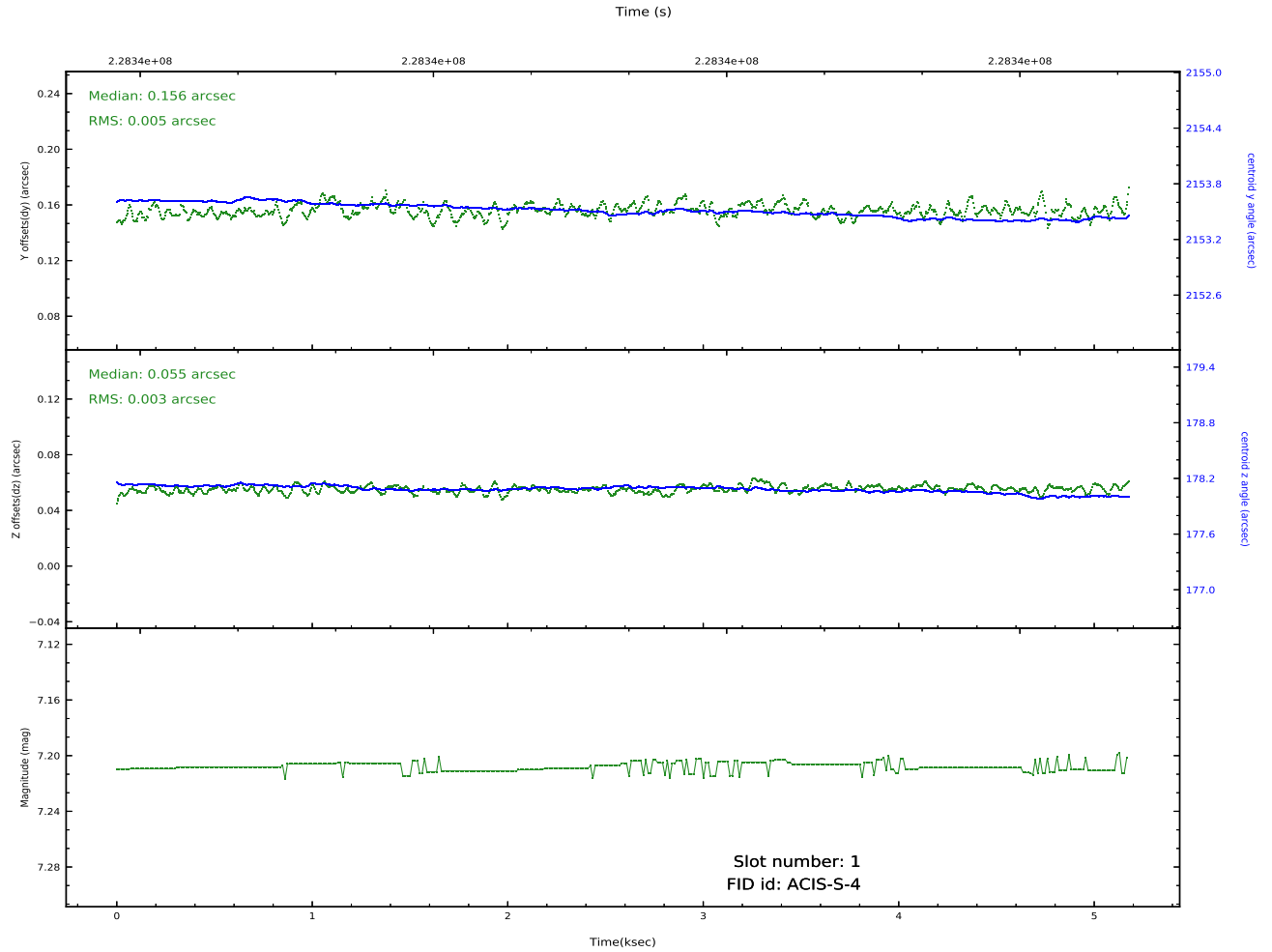
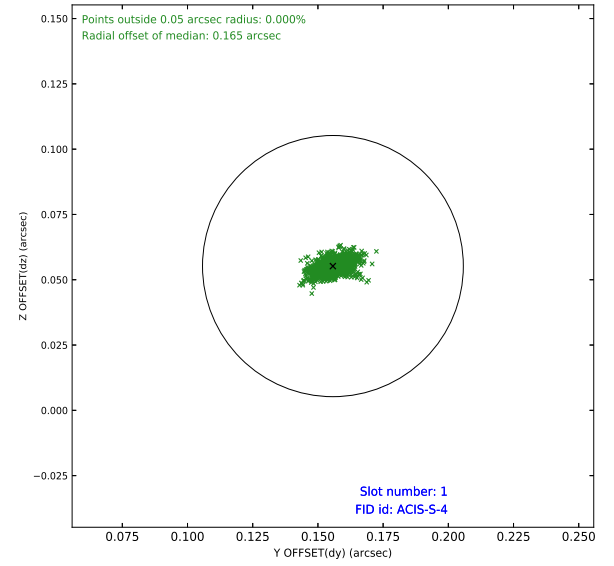
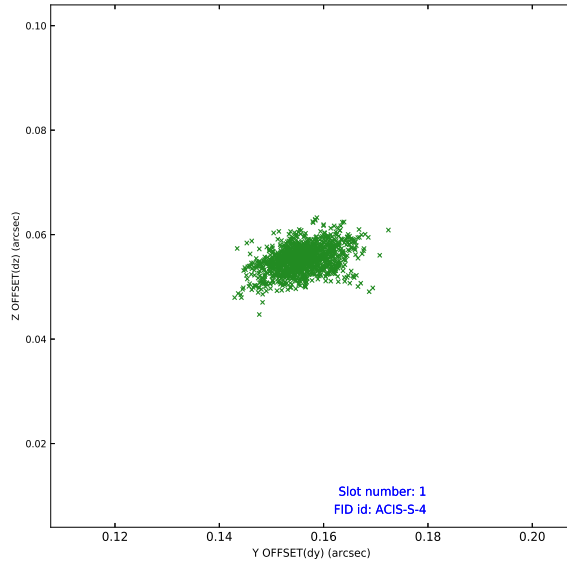


2.5 FID Slots

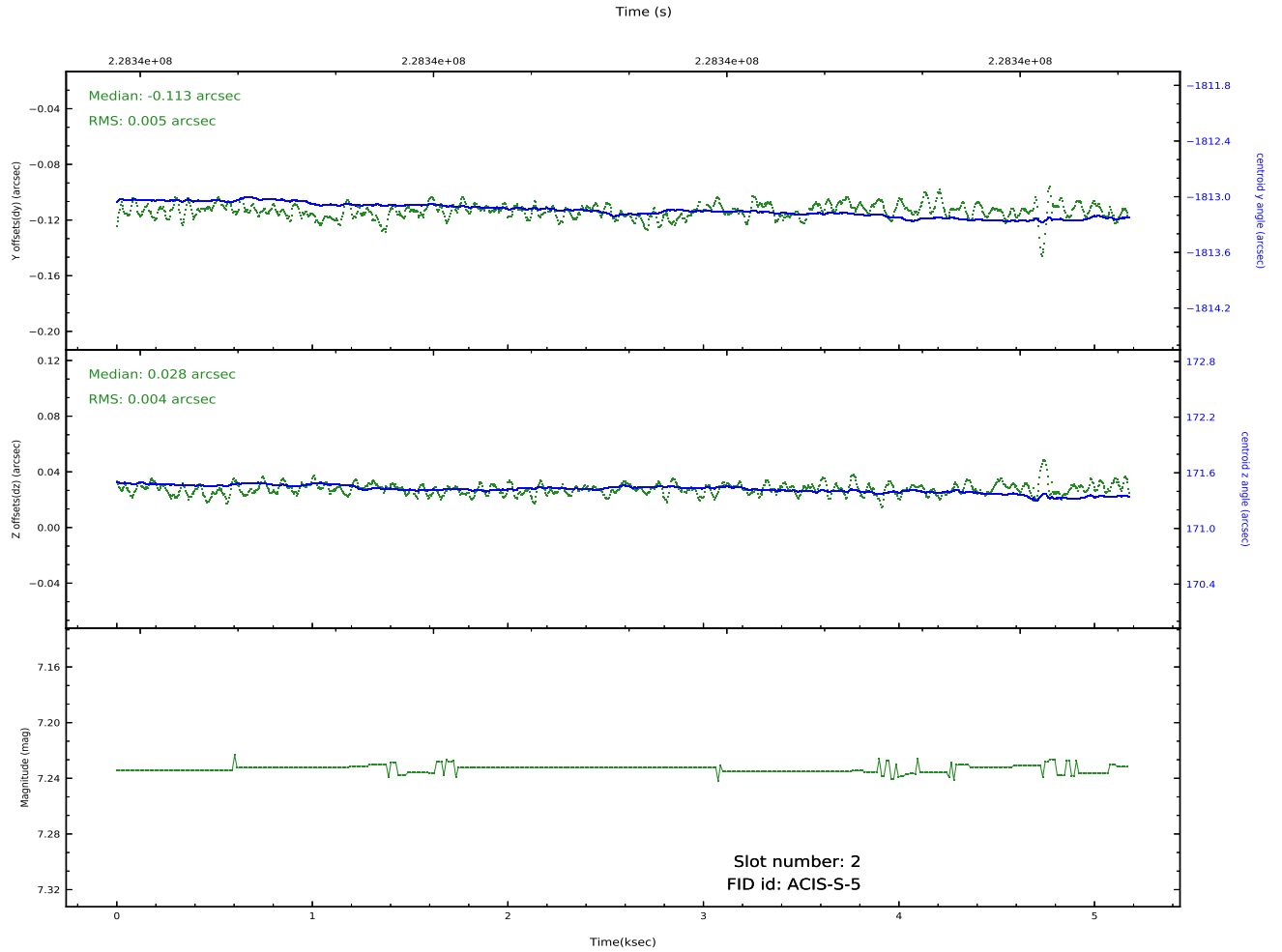
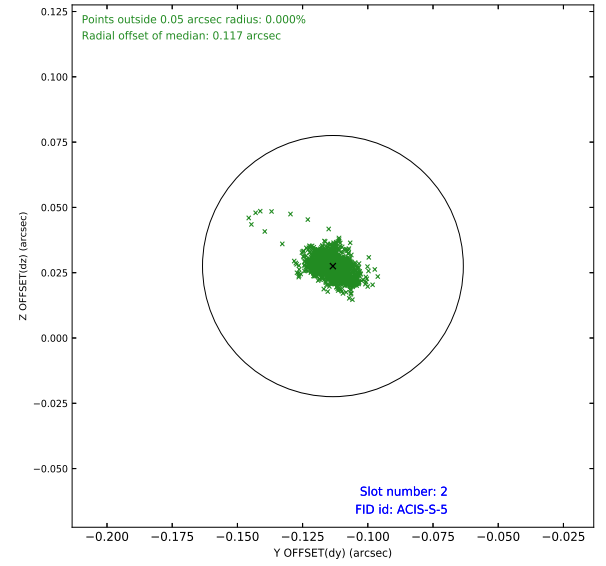
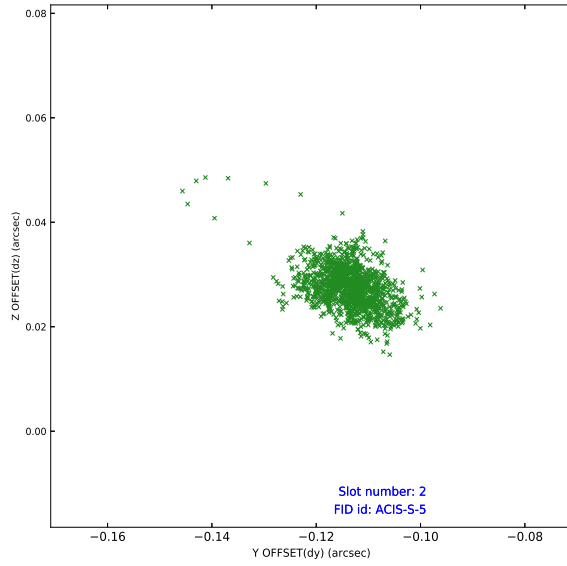
2.5.1 Slot 0



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	5.1795

A.2 Comments

Joint proposal with NOAO.