

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6440 - L2 Version 3
Chandra X-Ray Center

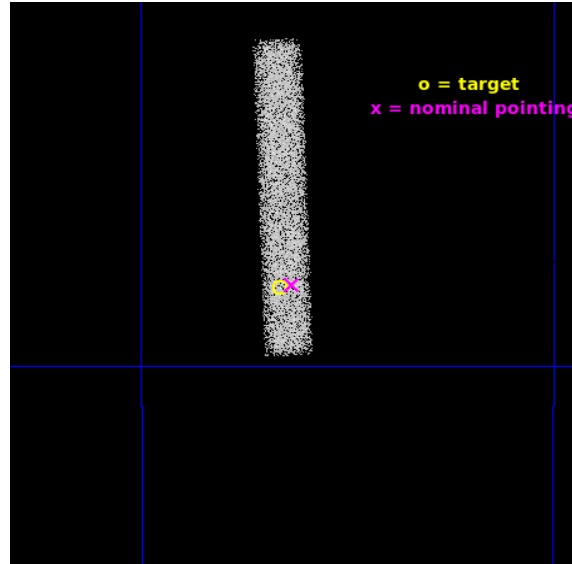
L2 Processing Date : Oct 11 2020

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1 Front

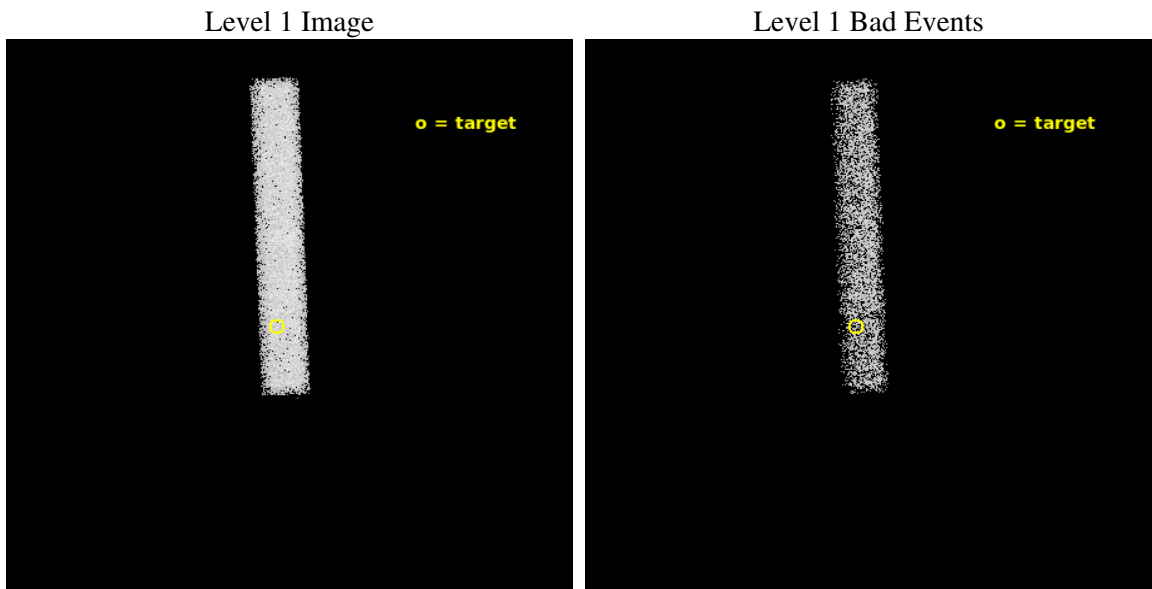
seq_num	200414	Sequence number
obs_id	6440	Observation id
title	MAGNETIC FIELDS ON 'ALIEN DWARFS': CORONAL ACTIVITY IN THE ARCTURUS MOVING GROUP	Proposal title
observer	Alexander Brown	Principal investigator
object	HD199288	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	314.415833	Observer's specified target RA [deg]
dec_targ	-44.131	Observer's specified target Dec [deg]
ra_nom	314.40854894787	Nominal RA [deg]
dec_nom	-44.129758745283	Nominal Dec [deg]
roll_nom	267.95011335826	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25177.190124452	Sum of GTIs [s]
livetime	22834.382481818	Livetime [s]
ontime7	25177.190124452	Sum of GTIs [s]
l2events	16214	Number of level 2 events



2 OBI

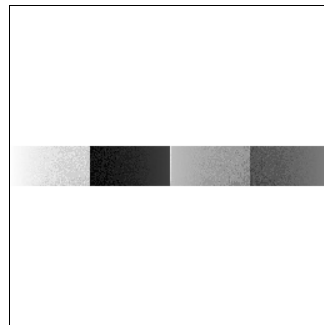
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	25177.190124452	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	25177.190124452	Sum of GTIs [s]
date	2020-10-12T02:41:19	Date and time of file creation	l1events	38128	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

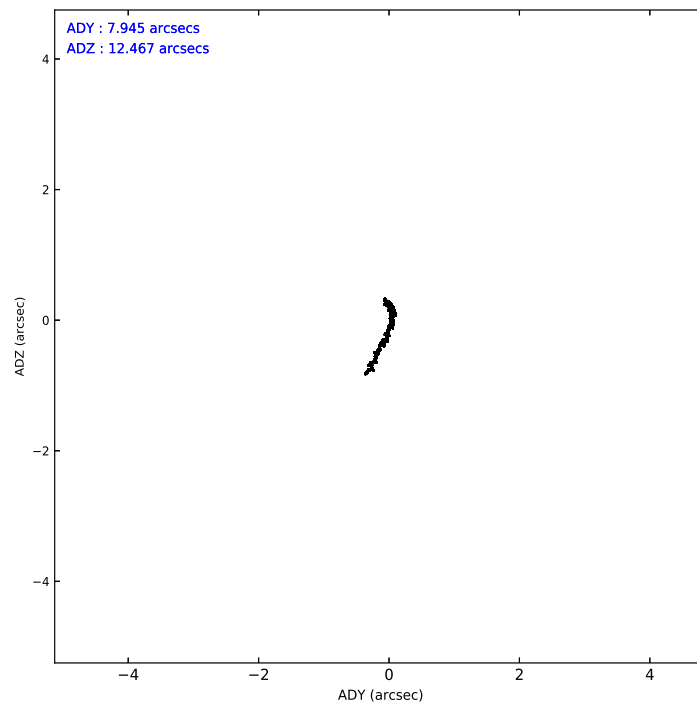
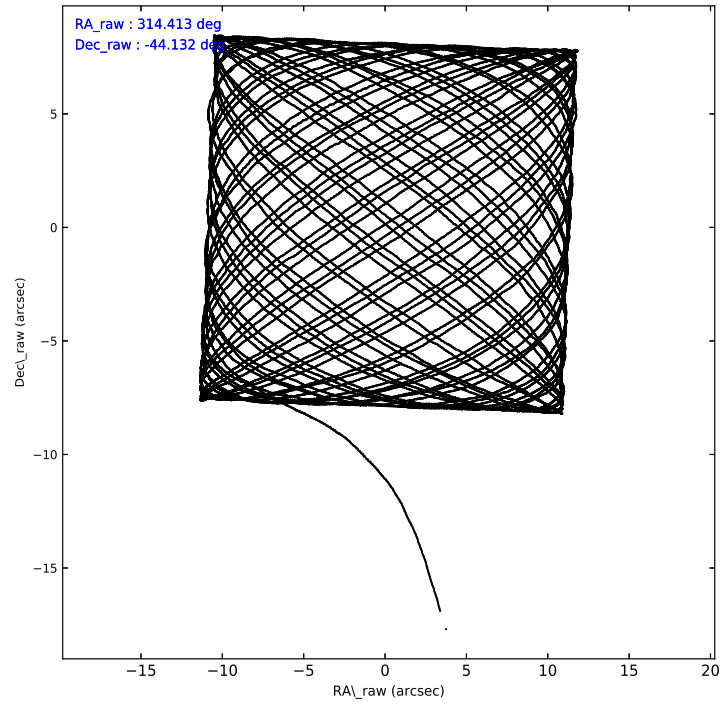
	ccd 7
level 1 events	38128
rejected events	21286
rejected %	55%

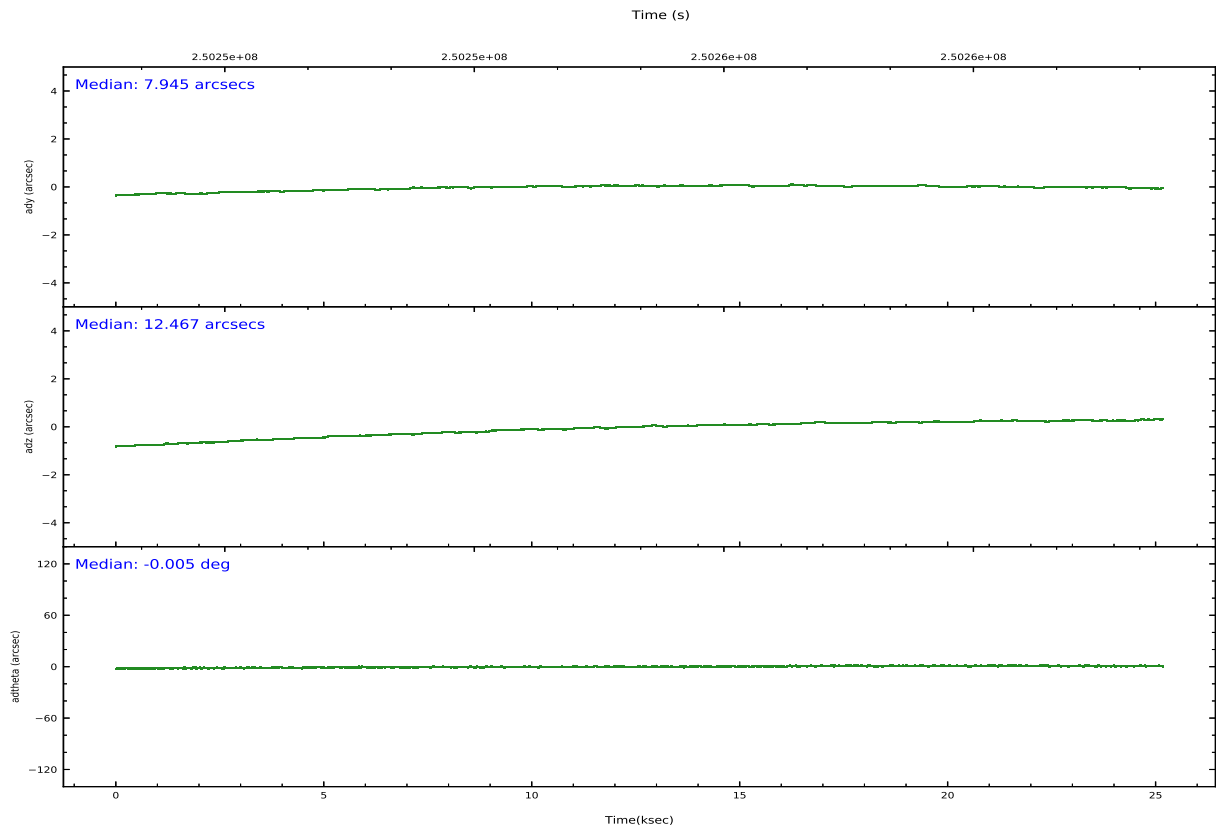
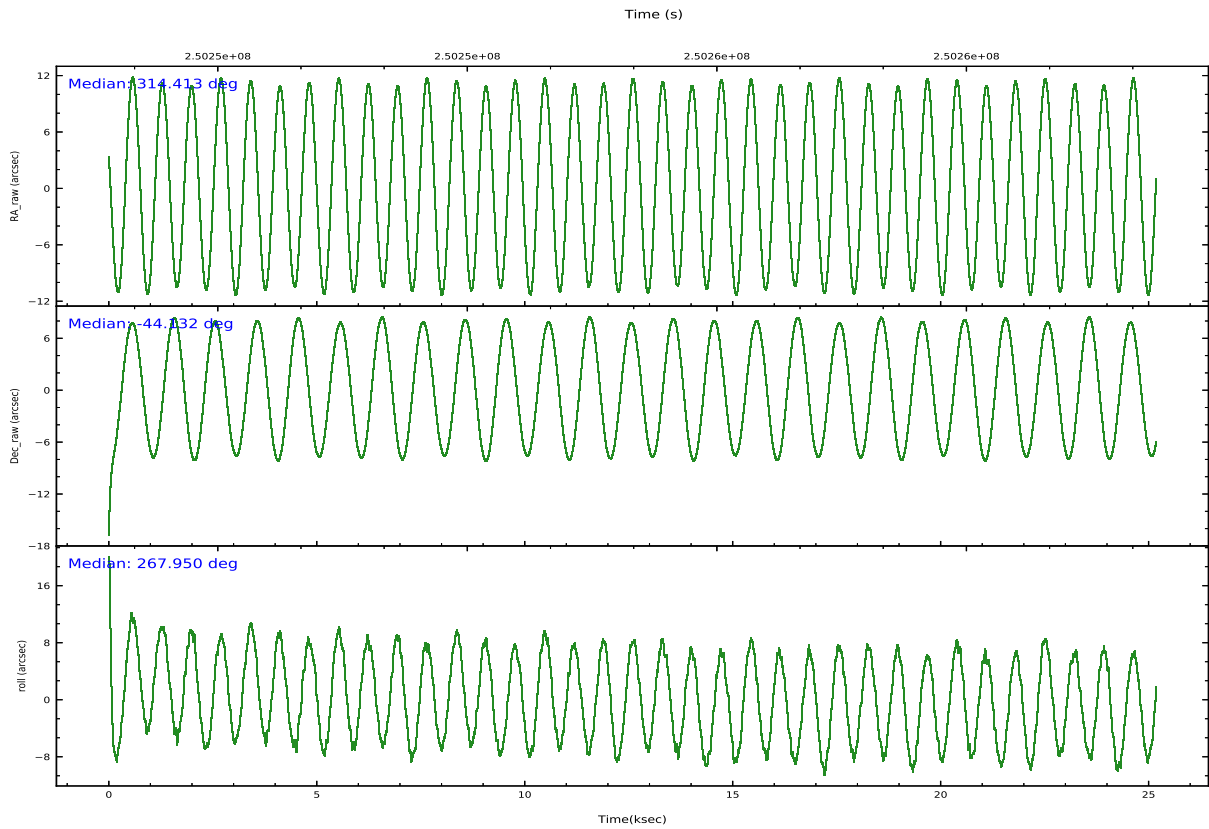
	ccd 7
grade 0 events	1832
	4%
grade 1 events	41
	0%
grade 2 events	3302
	8%
grade 3 events	2317
	6%
grade 4 events	2252
	5%
grade 5 events	3629
	9%
grade 6 events	8049
	21%
grade 7 events	16706
	43%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	314.395223	314.40854894787	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-44.108301	-44.129758745283	Subarray start row	449	449
[deg] Pointing Roll	267.783295	267.95011335826	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)	250243562.184000	250241959.06327			
Observation start date	2005-12-06T08:04:58	2005-12-06T07:39:19			
[s] Observation end time (MET)	250268562.184000	250269551.55204			
Observation end date	2005-12-06T15:01:38	2005-12-06T15:19:11			
Read mode	TIMED	TIMED			

2.3 Aspect





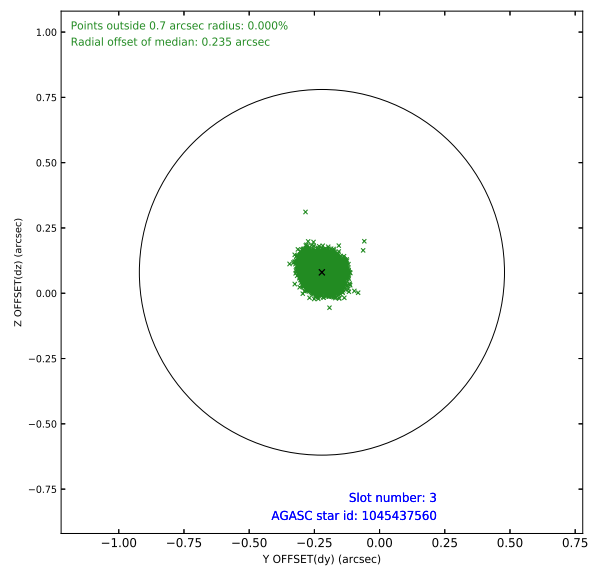
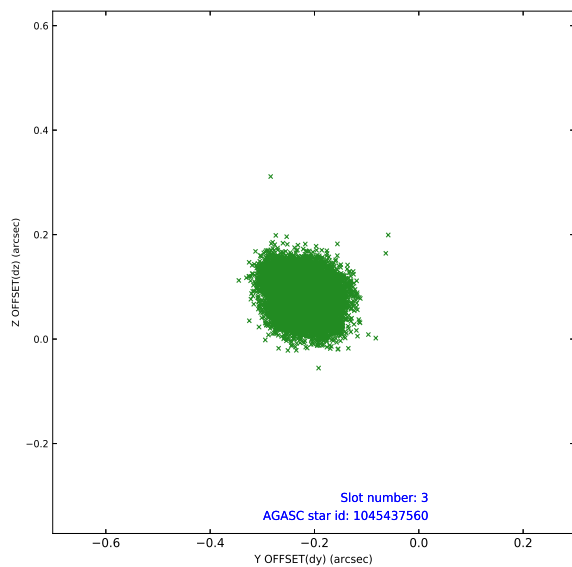
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.10	6142	1.000	-0.039	-0.072	0.010	0.022	0.000000	0.000000	-760.69	-1733
1	FID		ACIS-S-4	7.20	6139	1.000	0.149	0.039	0.006	0.011	0.000000	0.000000	2152.69	174
2	FID		ACIS-S-5	7.23	6142	1.000	-0.140	0.044	0.010	0.023	0.000000	0.000000	-1813.51	168
3	GUIDE	used	1045437560	7.45	12277	1.000	-0.221	0.080	0.054	0.083	314.933958	-43.507246	-2212.17	1322
4	GUIDE	used	1045439888	9.09	12275	1.000	0.014	0.087	0.090	0.146	314.875706	-43.952785	-604.03	1223
5	GUIDE	used	1045567016	8.76	12275	1.000	0.045	0.178	0.067	0.110	315.146119	-44.673464	1967.63	2000
6	GUIDE	used	1045434336	8.72	12277	1.000	0.315	-0.283	0.082	0.144	313.396593	-44.705894	2265.25	-2469
7	GUIDE	used	1045439664	6.89	12281	1.000	-0.149	-0.063	0.047	0.077	313.434683	-44.340750	946.88	-2438

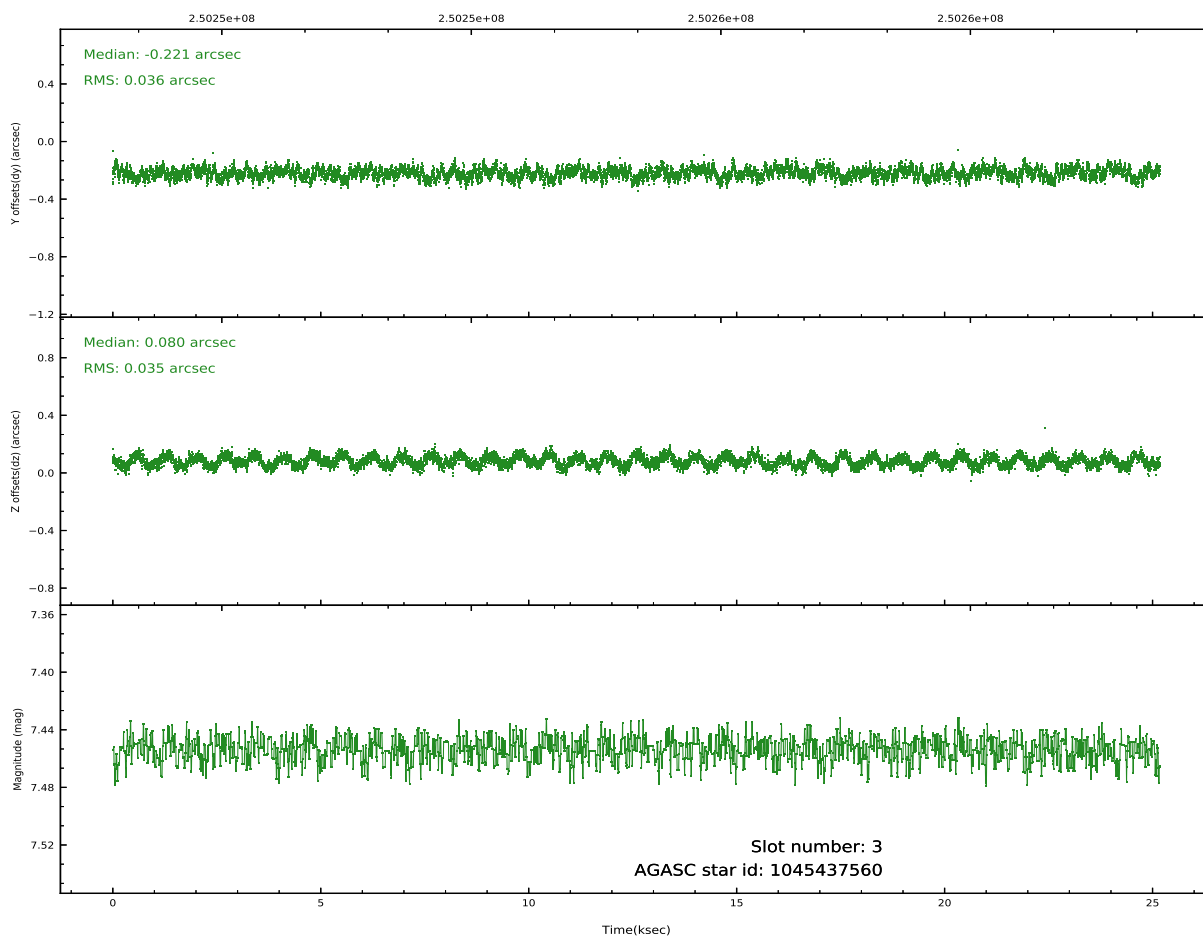
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2.4 Star Slots

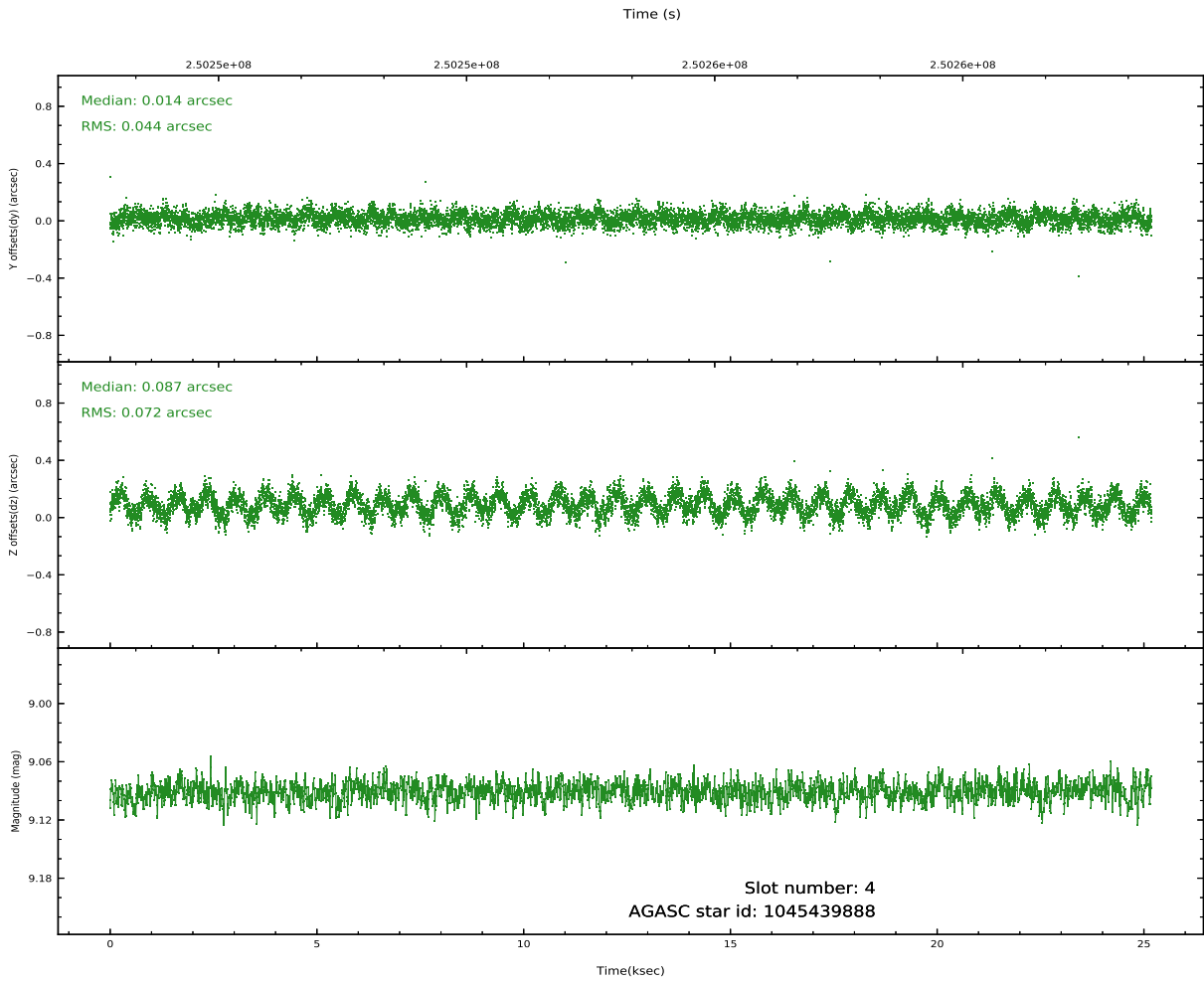
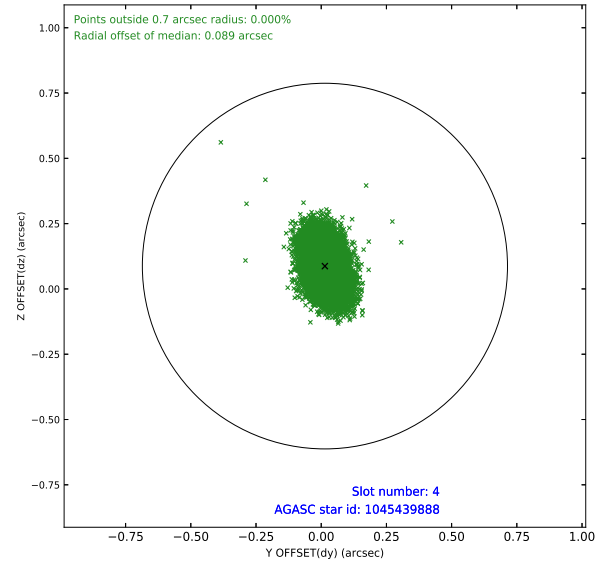
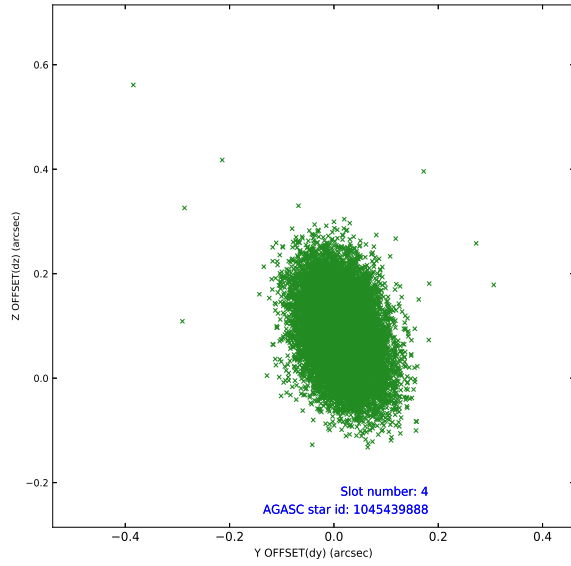
2.4.1 Slot 3



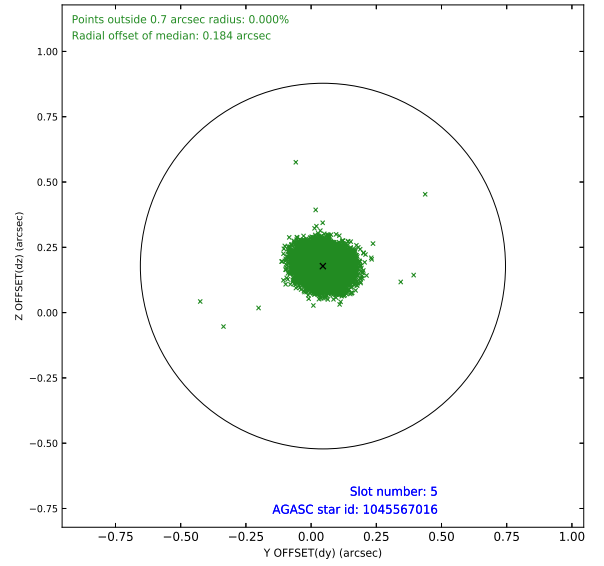
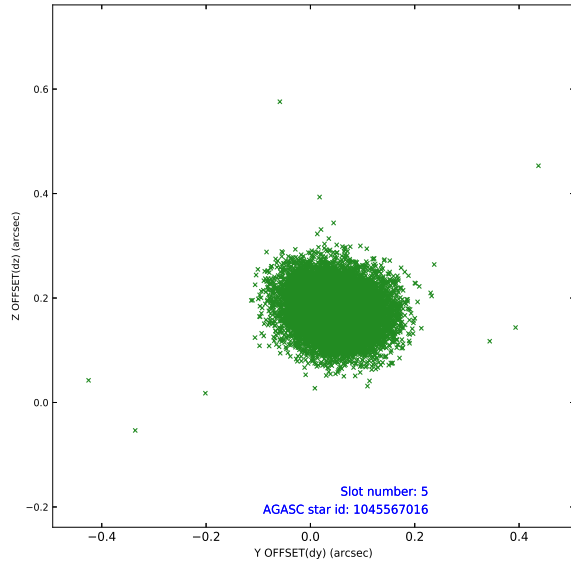
Time (s)



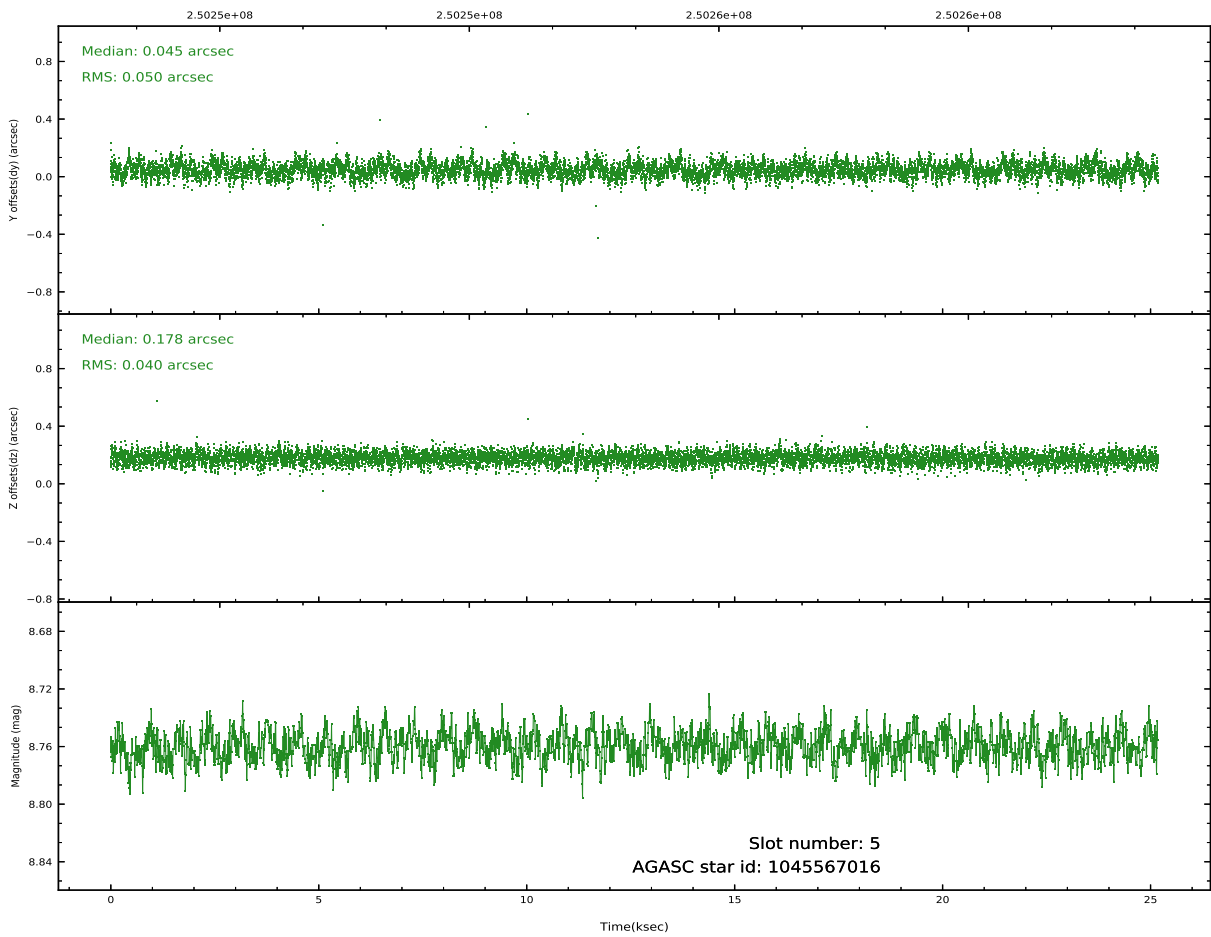
2.4.2 Slot 4



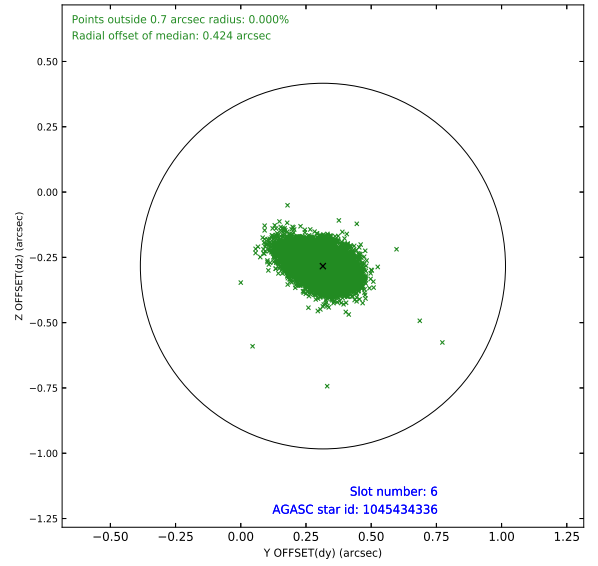
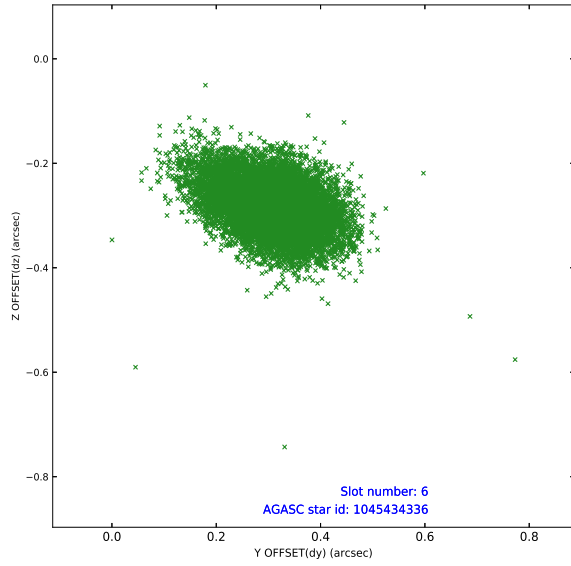
2.4.3 Slot 5



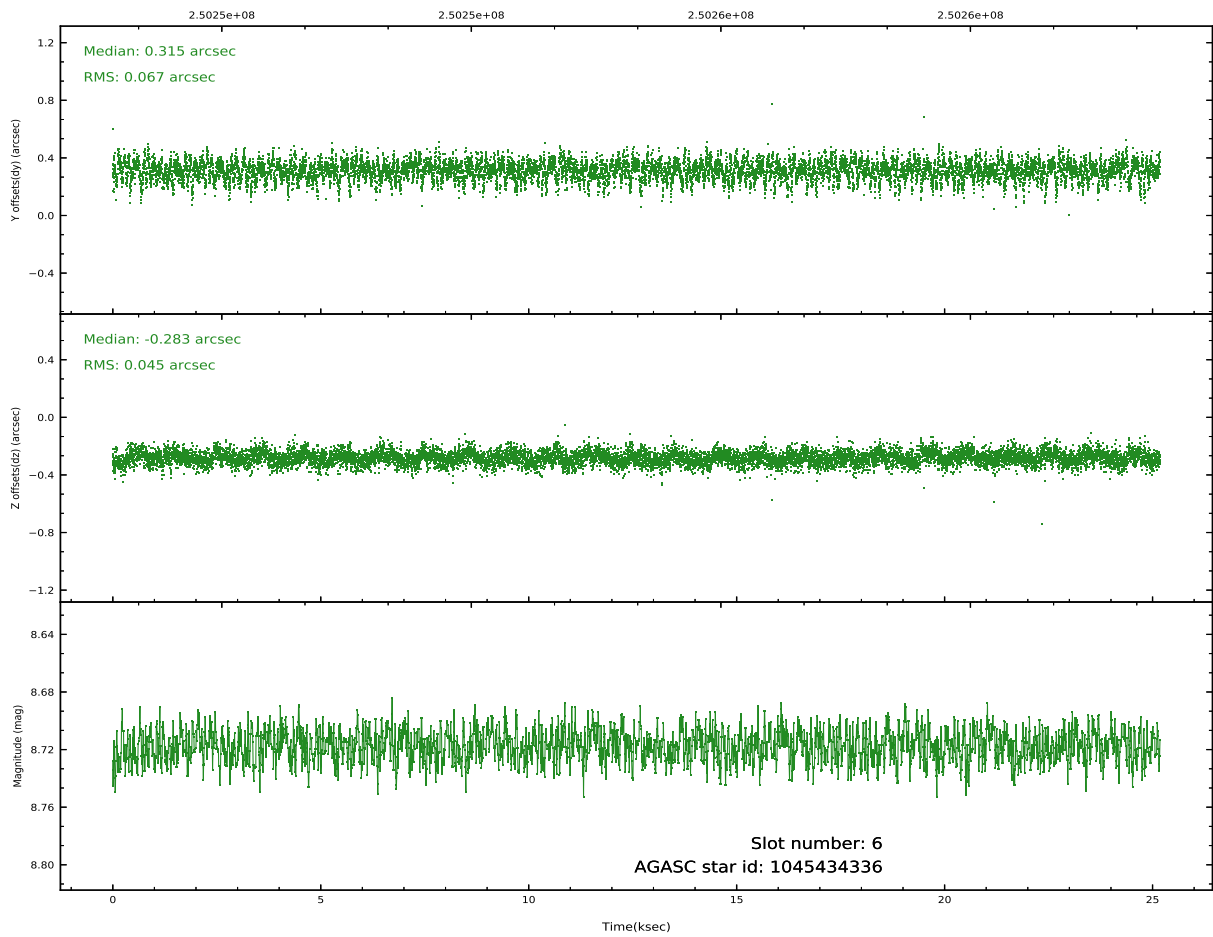
Time (s)



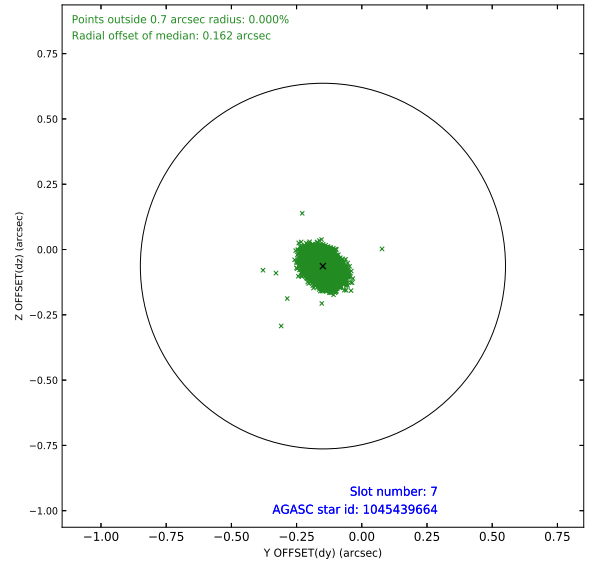
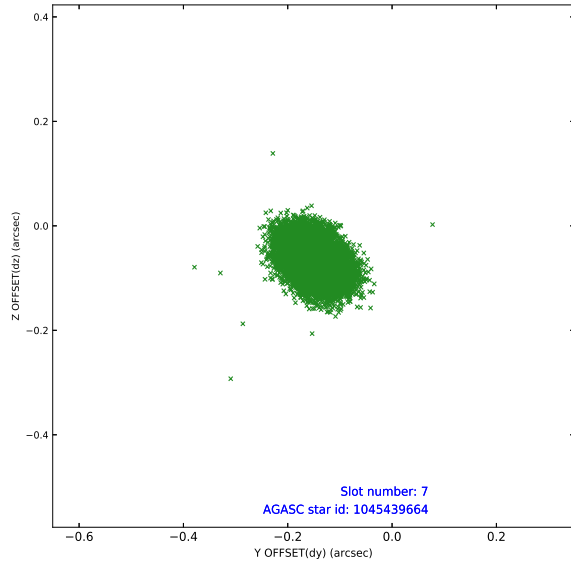
2.4.4 Slot 6



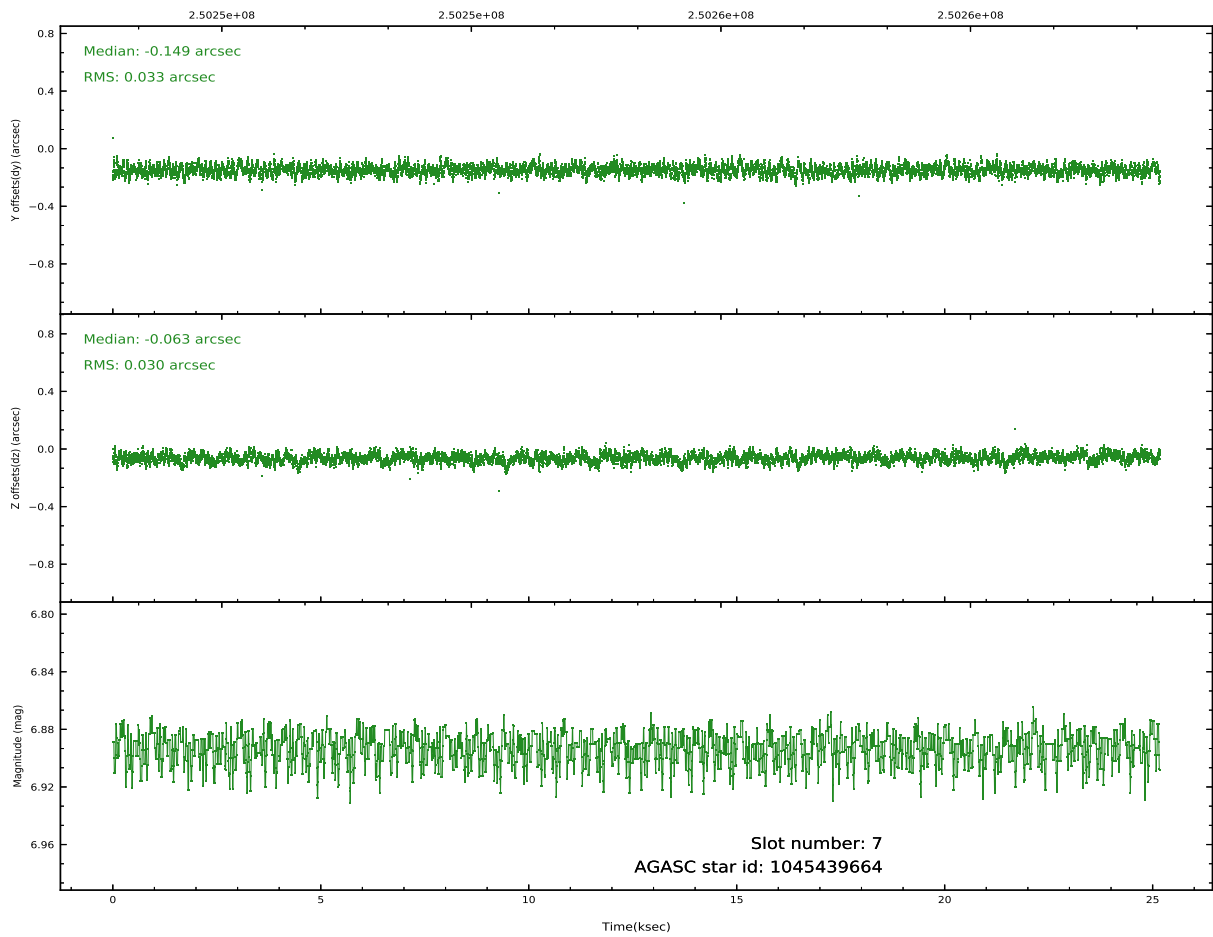
Time (s)



2.4.5 Slot 7

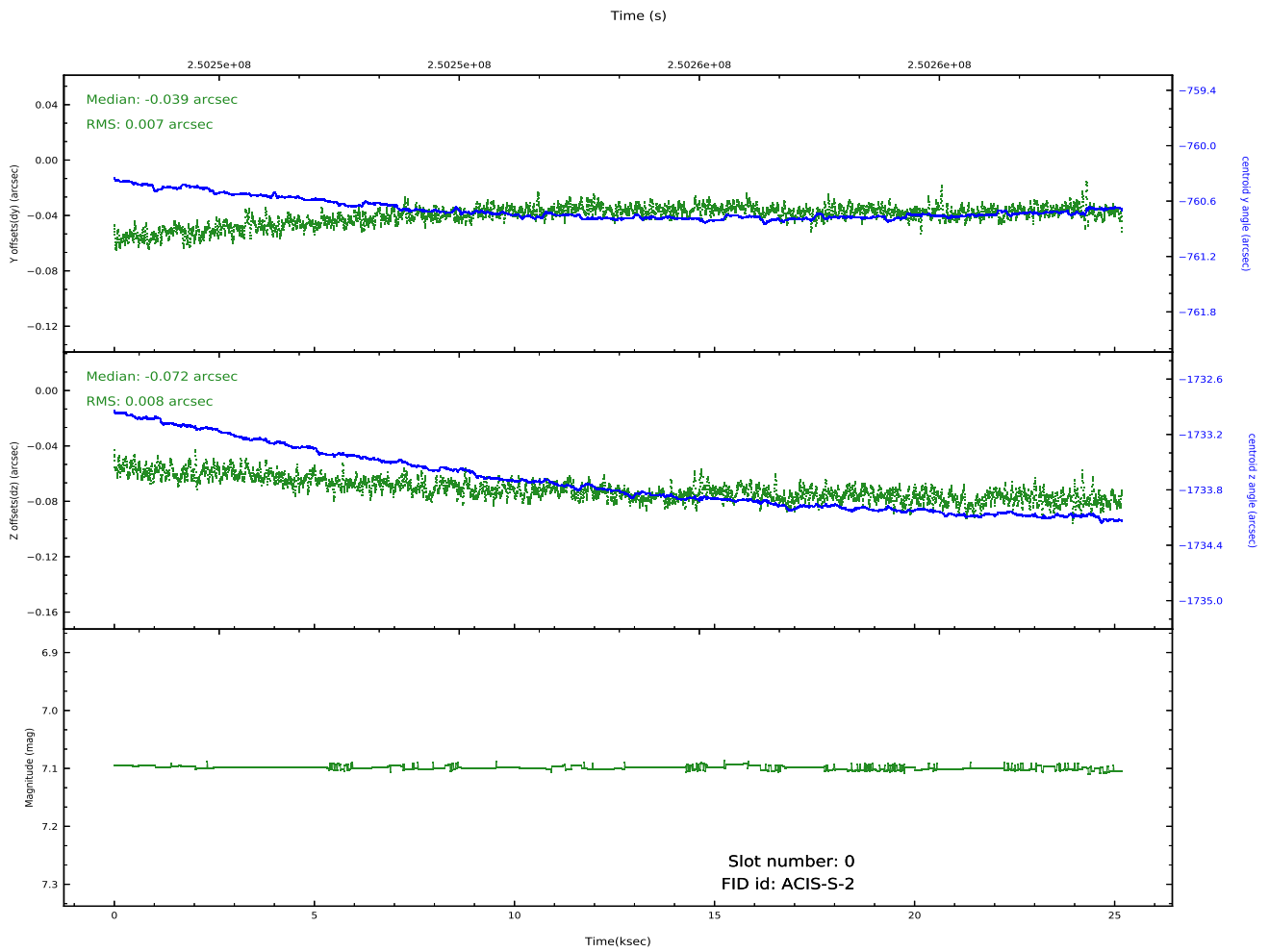
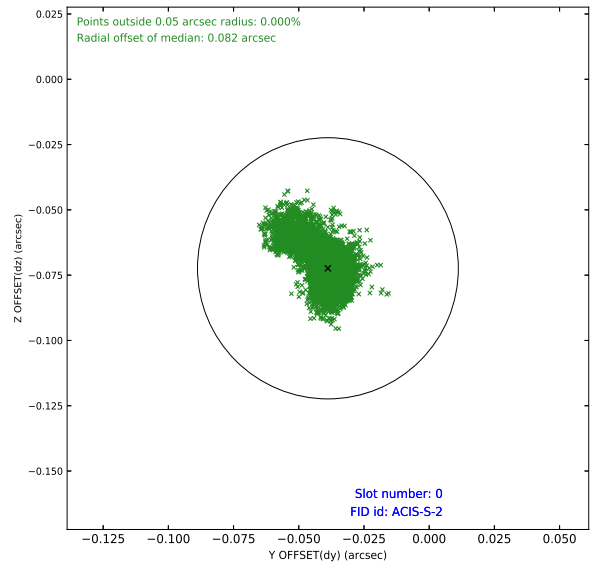
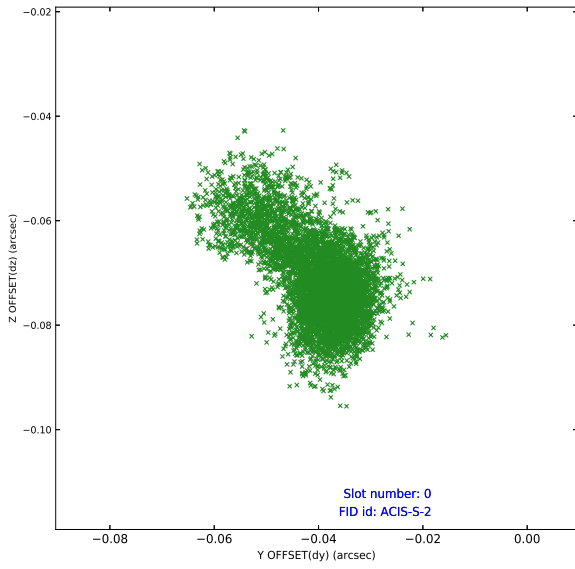


Time (s)

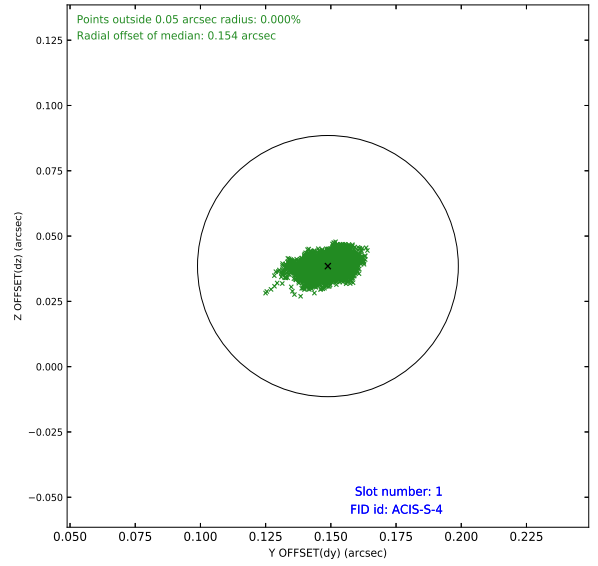
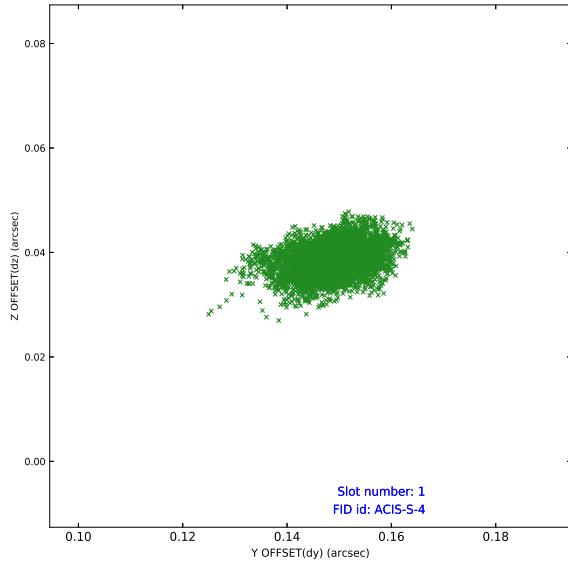


2.5 FID Slots

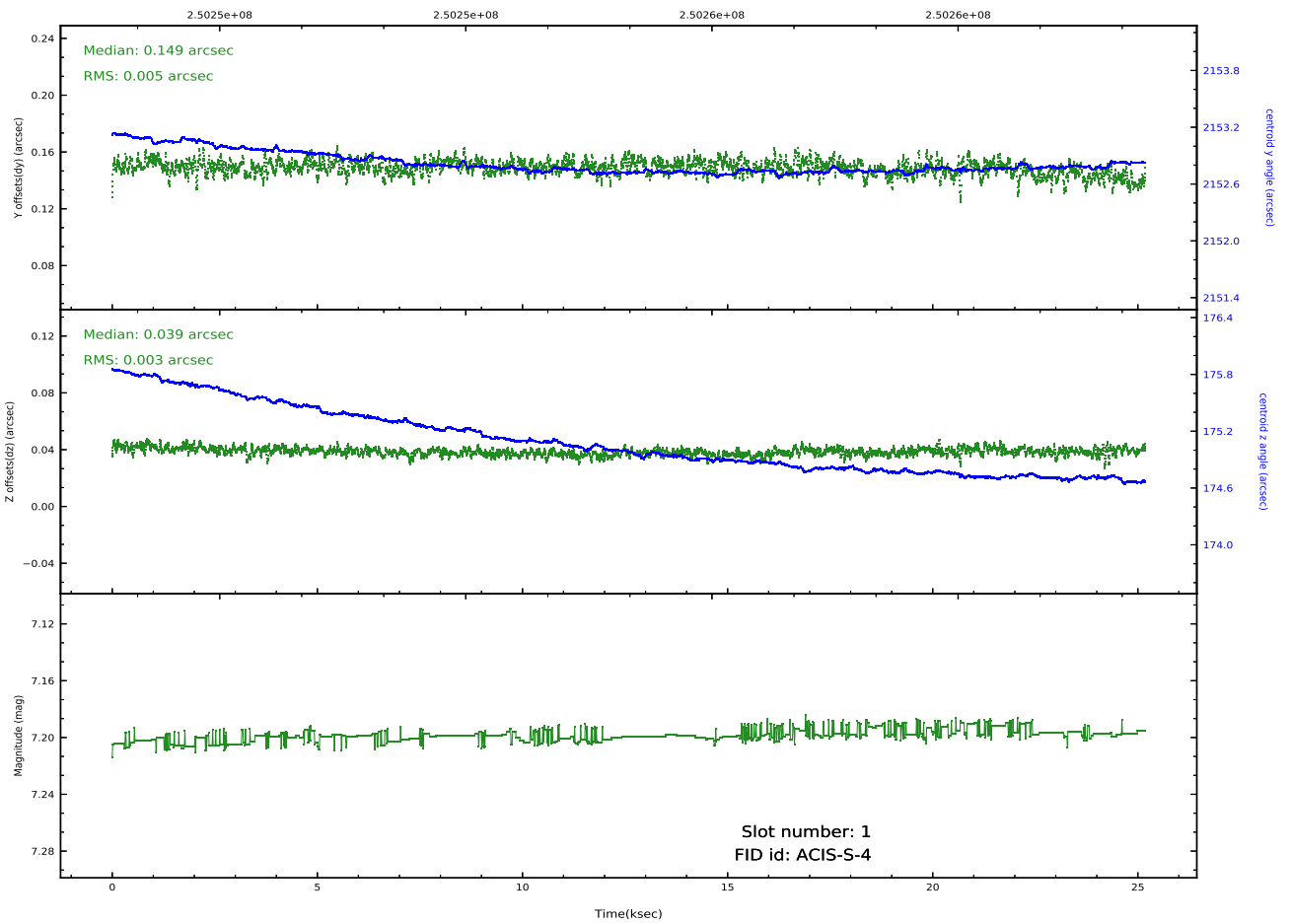
2.5.1 Slot 0



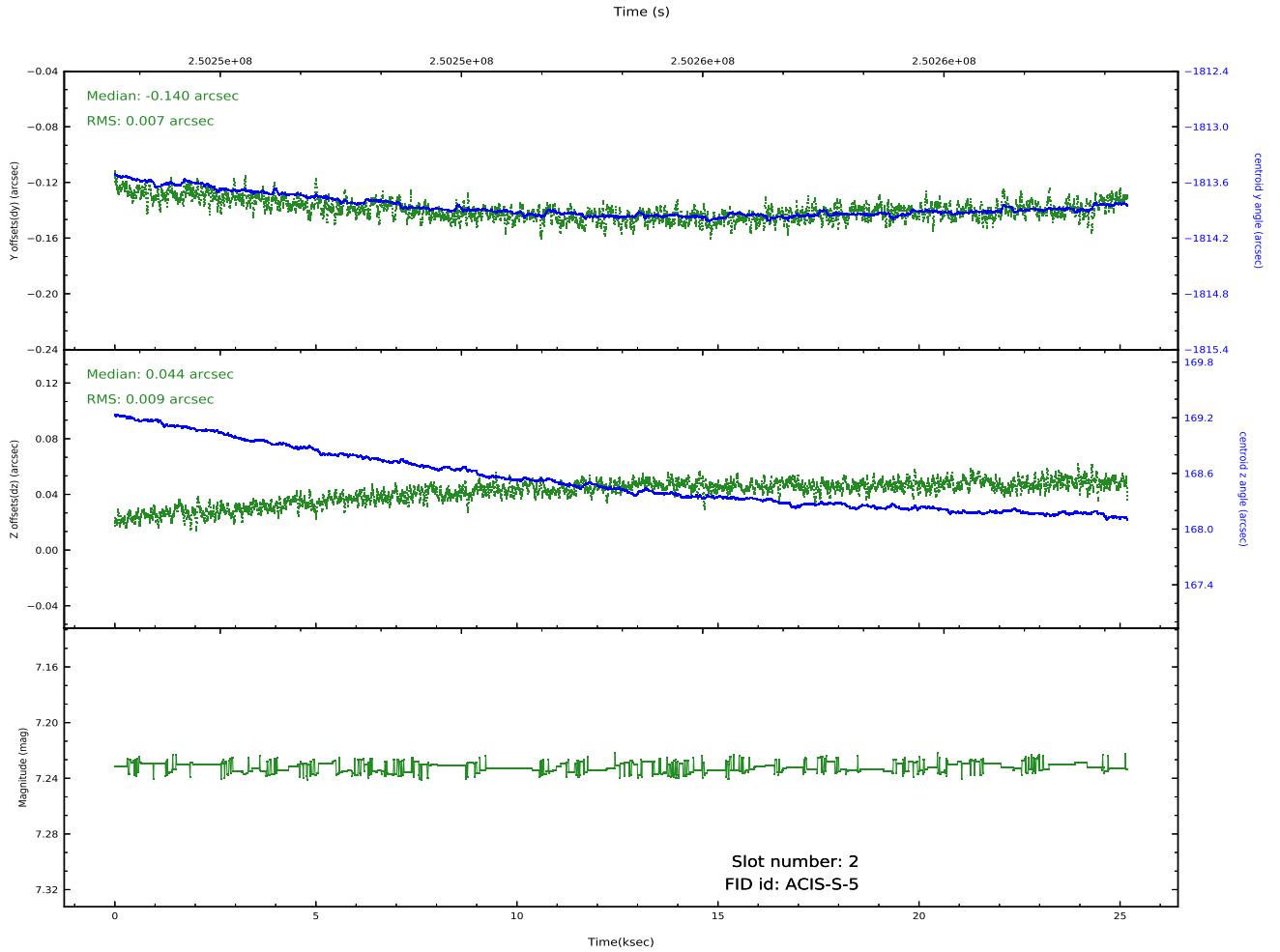
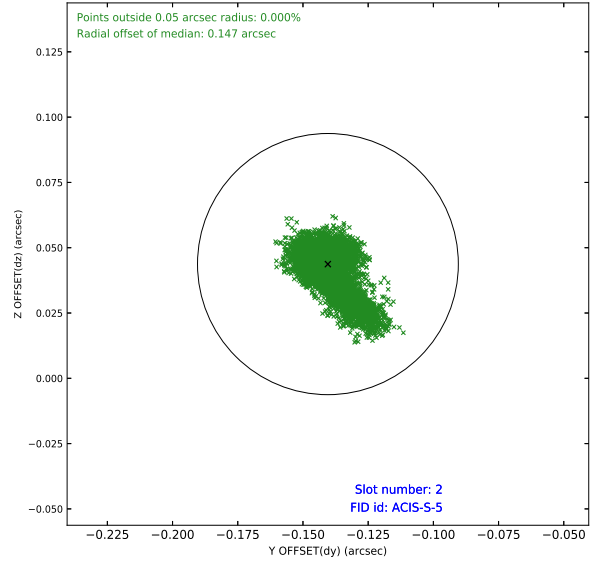
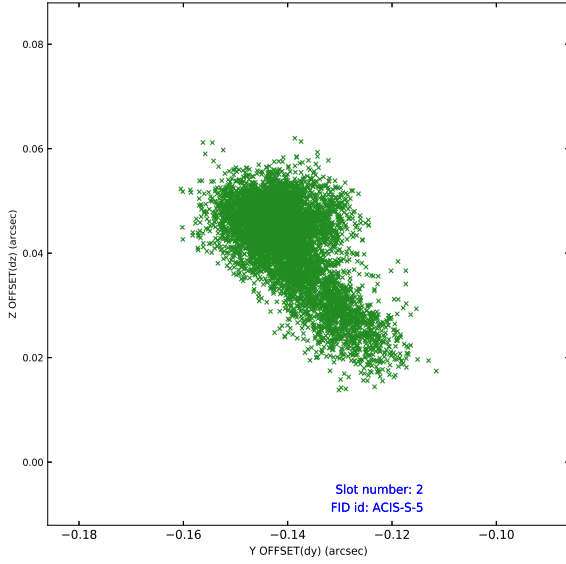
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.17719

A.2 Comments