

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6439 - L2 Version 3
Chandra X-Ray Center

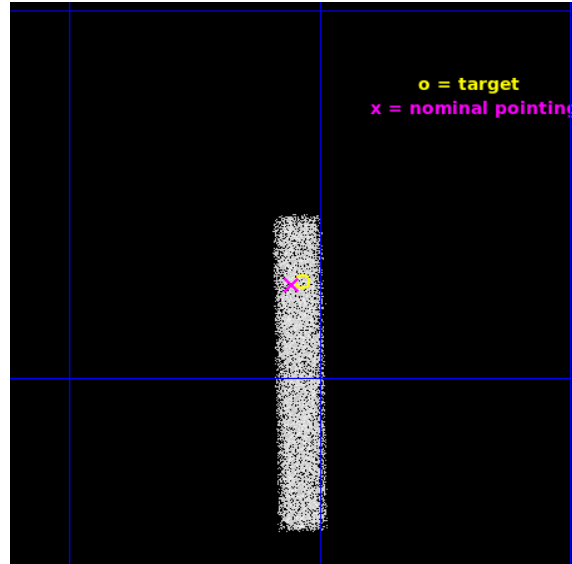
L2 Processing Date : Oct 12 2020

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1 Front

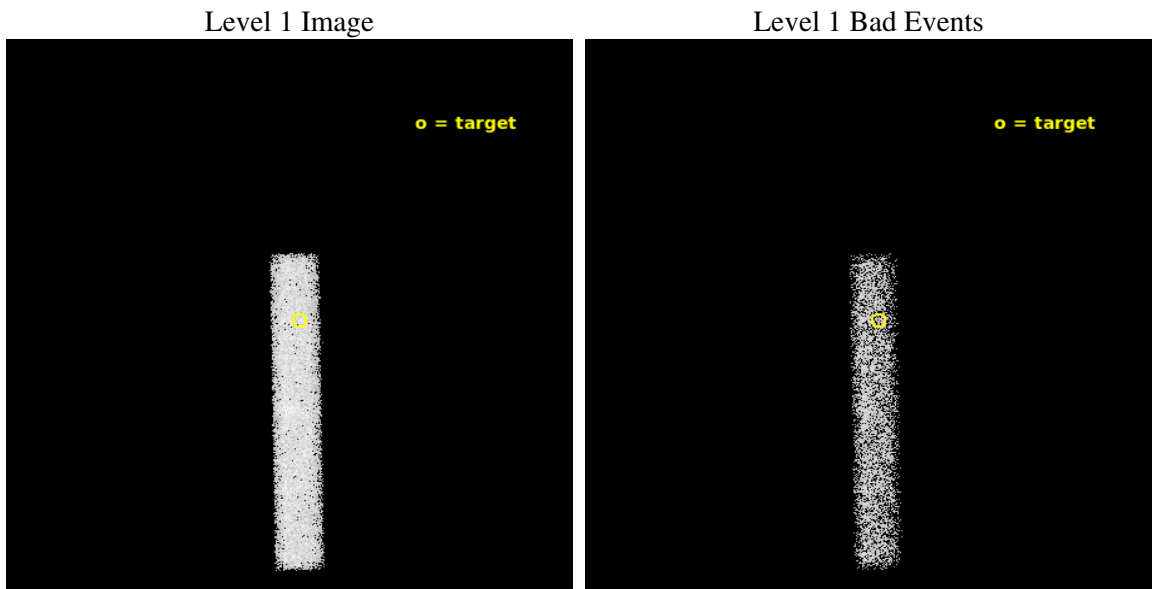
seq_num	200413	Sequence number
obs_id	6439	Observation id
title	MAGNETIC FIELDS ON 'ALIEN DWARFS': CORONAL ACTIVITY IN THE ARCTURUS MOVING GROUP	Proposal title
observer	Alexander Brown	Principal investigator
object	HD65583	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.133333	Observer's specified target RA [deg]
dec_targ	29.210417	Observer's specified target Dec [deg]
ra_nom	120.1388045063	Nominal RA [deg]
dec_nom	29.209038017084	Nominal Dec [deg]
roll_nom	89.027524825036	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25136.400374532	Sum of GTIs [s]
livetime	22797.388331699	Livetime [s]
ontime7	25136.400374532	Sum of GTIs [s]
l2events	16269	Number of level 2 events



2 OBI

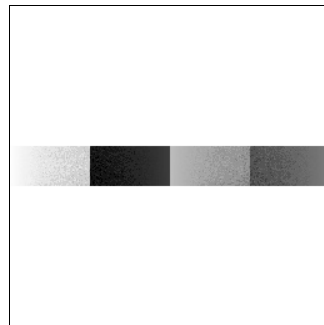
2.1 OBI

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	25136.400374532	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	25136.400374532	Sum of GTIs [s]
date	2020-10-12T04:32:59	Date and time of file creation	l1events	37647	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

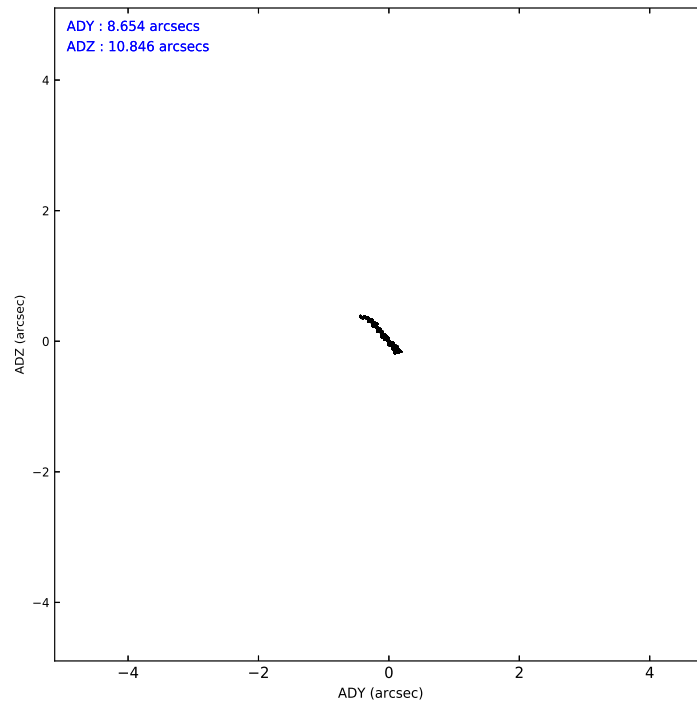
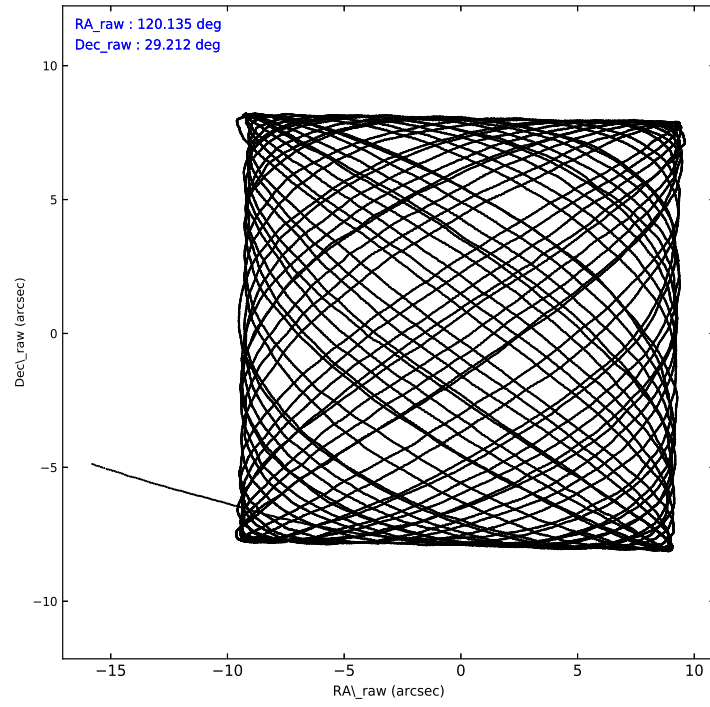
	ccd 7
level 1 events	37647
rejected events	20698
rejected %	54%

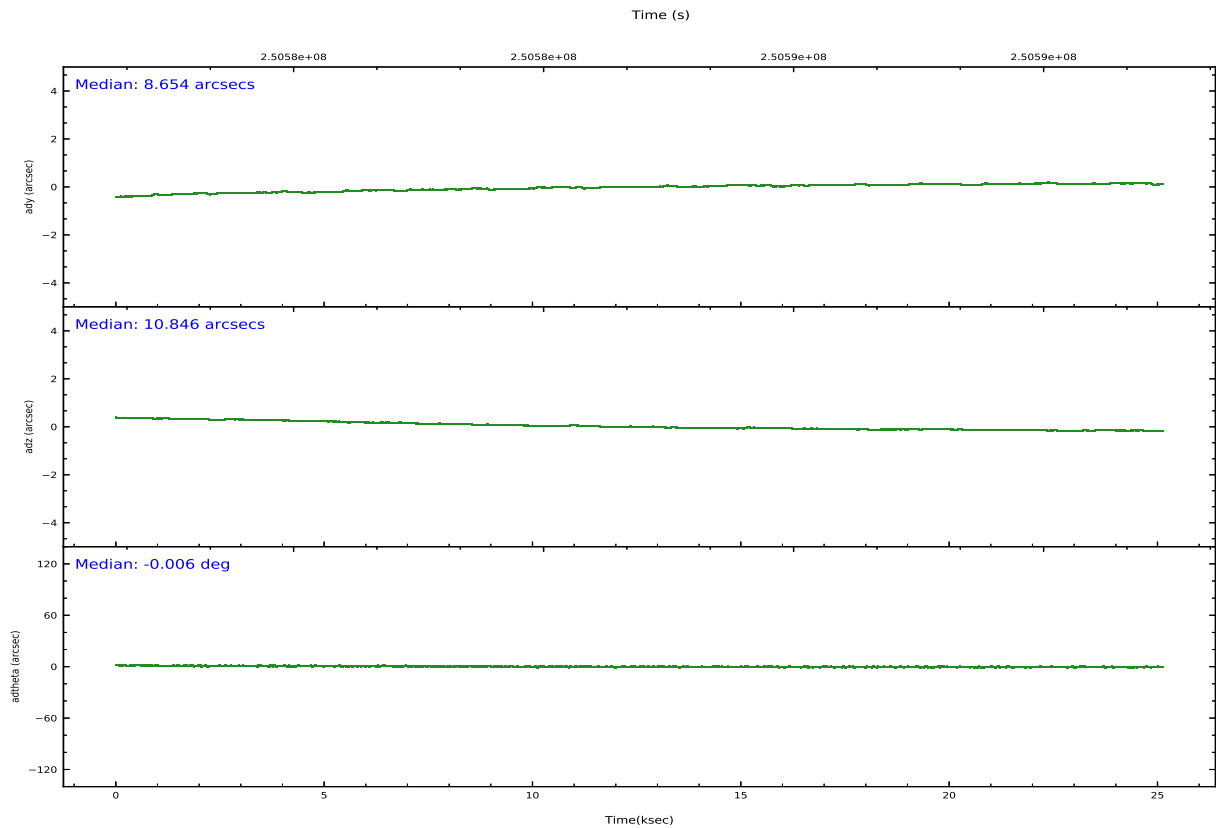
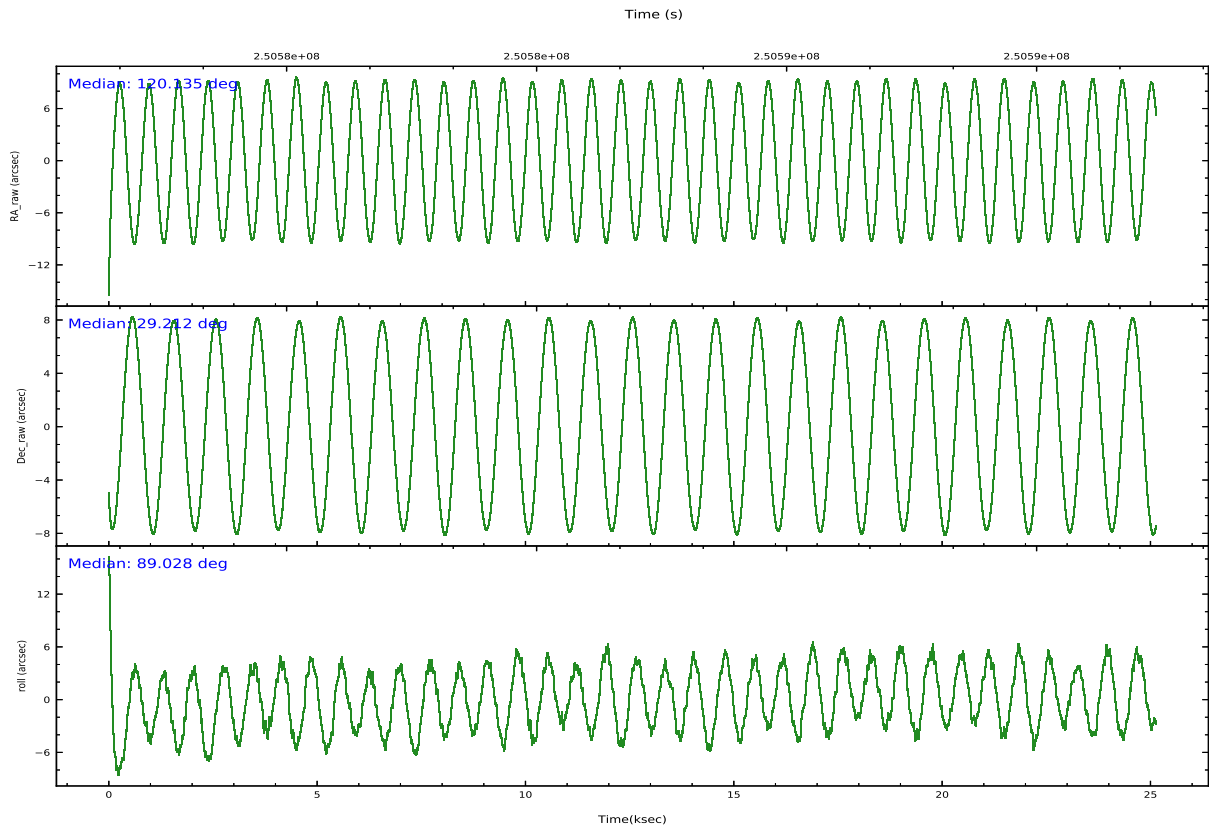
	ccd 7
grade 0 events	1745
	4%
grade 1 events	40
	0%
grade 2 events	3273
	8%
grade 3 events	2164
	5%
grade 4 events	2150
	5%
grade 5 events	3550
	9%
grade 6 events	8037
	21%
grade 7 events	16688
	44%

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	120.150769	120.1388045063	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	29.188003	29.209038017084	Subarray start row	449	449
[deg] Pointing Roll	88.861926	89.027524825036	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)	250571869.184000	250570810.85347			
Observation start date	2005-12-10T03:16:45	2005-12-10T03:00:10			
[s] Observation end time (MET)	250596869.184000	250597831.39222			
Observation end date	2005-12-10T10:13:25	2005-12-10T10:30:31			
Read mode	TIMED	TIMED			

2.3 Aspect





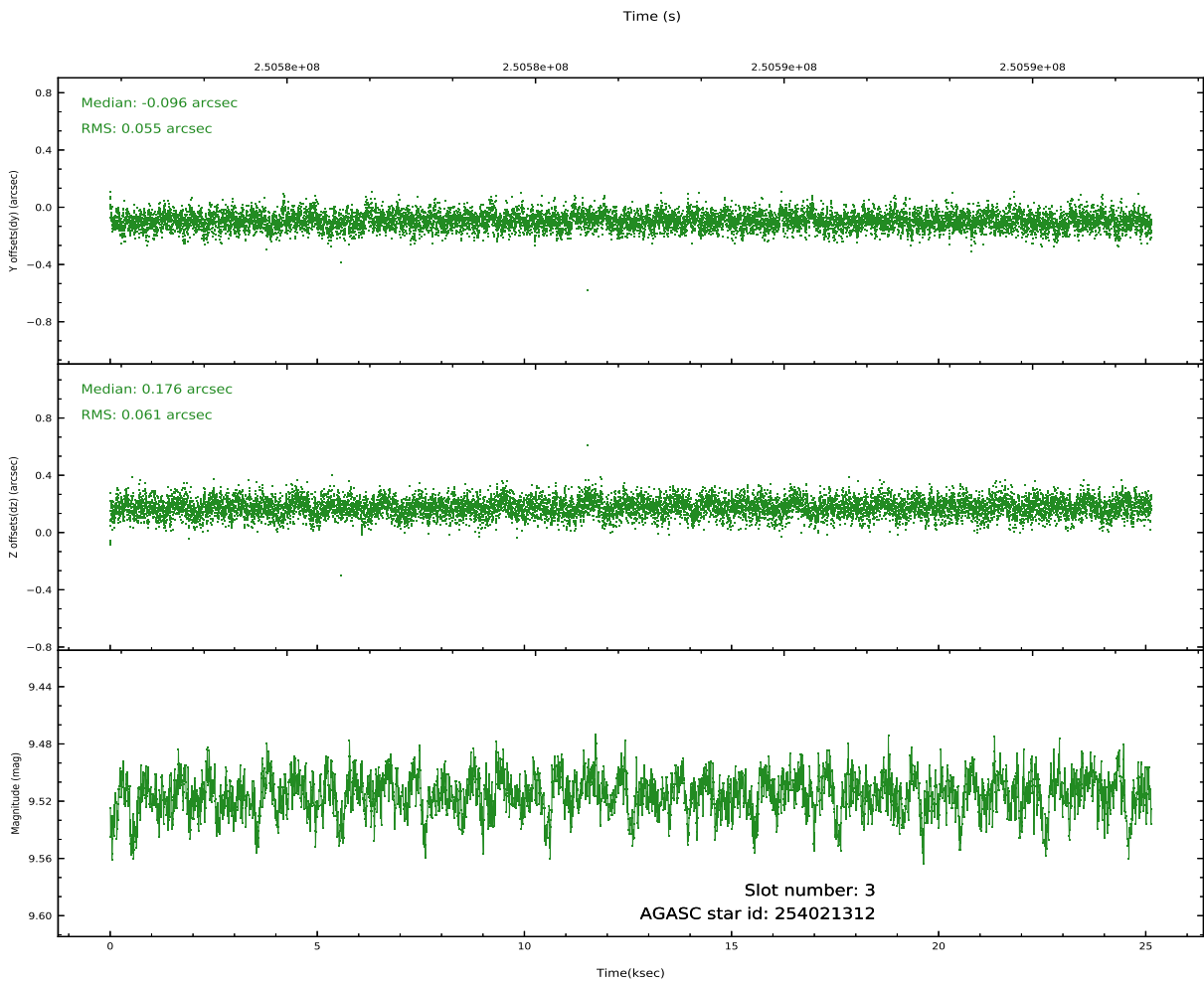
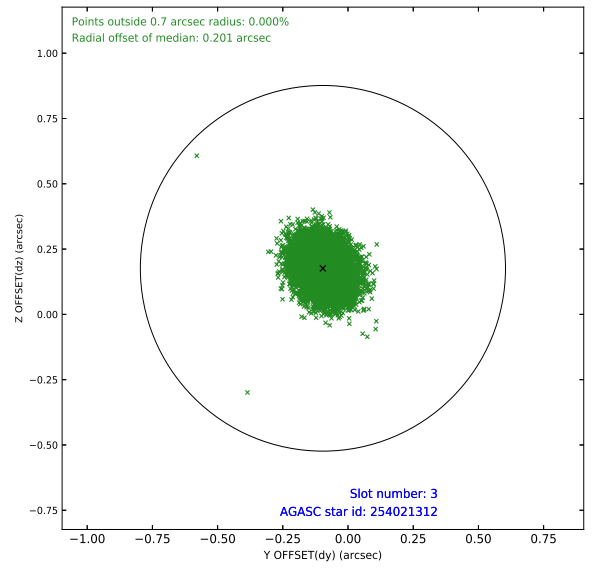
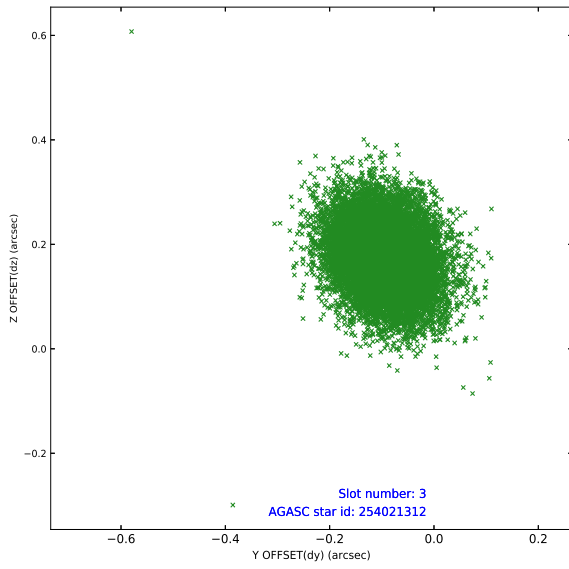
Slot Statistics

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	7.11	6130	1.000	-0.069	-0.057	0.007	0.011	0.000000	0.000000	-761.41	-1732
1	FID		ACIS-S-4	7.21	6131	1.000	0.199	0.048	0.008	0.015	0.000000	0.000000	2152.01	176
2	FID		ACIS-S-5	7.23	6132	1.000	-0.162	0.017	0.008	0.013	0.000000	0.000000	-1814.27	169
3	GUIDE	used	254021312	9.51	12250	1.000	-0.096	0.176	0.088	0.143	120.855404	29.533869	1295.85	-2181
4	GUIDE	used	254024008	8.67	12261	1.000	0.149	0.038	0.072	0.117	120.467432	28.633647	-1973.49	-1040
5	GUIDE	used	254025808	9.10	12256	1.000	0.063	-0.024	0.089	0.147	120.362886	29.597303	1487.22	-634
6	GUIDE	used	254030600	8.49	12258	1.000	0.016	0.082	0.089	0.136	120.885272	28.753200	-1511.26	-2348
7	GUIDE	used	254018400	7.79	12259	1.000	-0.133	-0.270	0.063	0.101	119.474627	29.516834	1147.54	2141

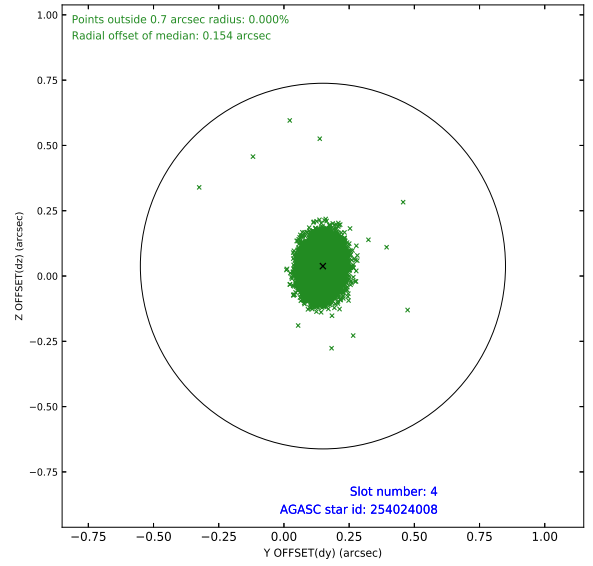
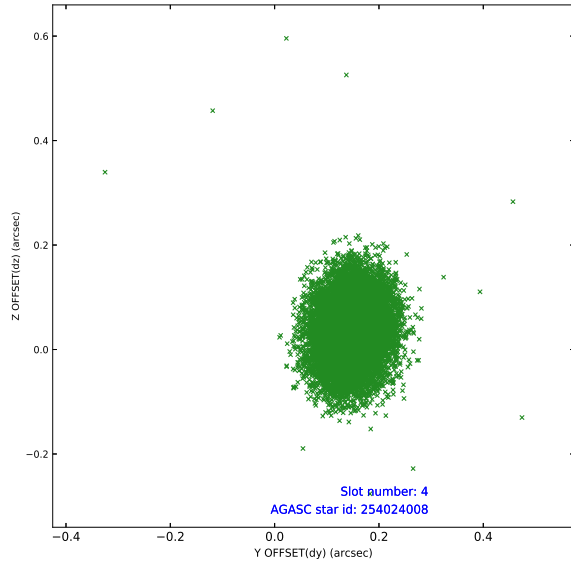
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2.4 Star Slots

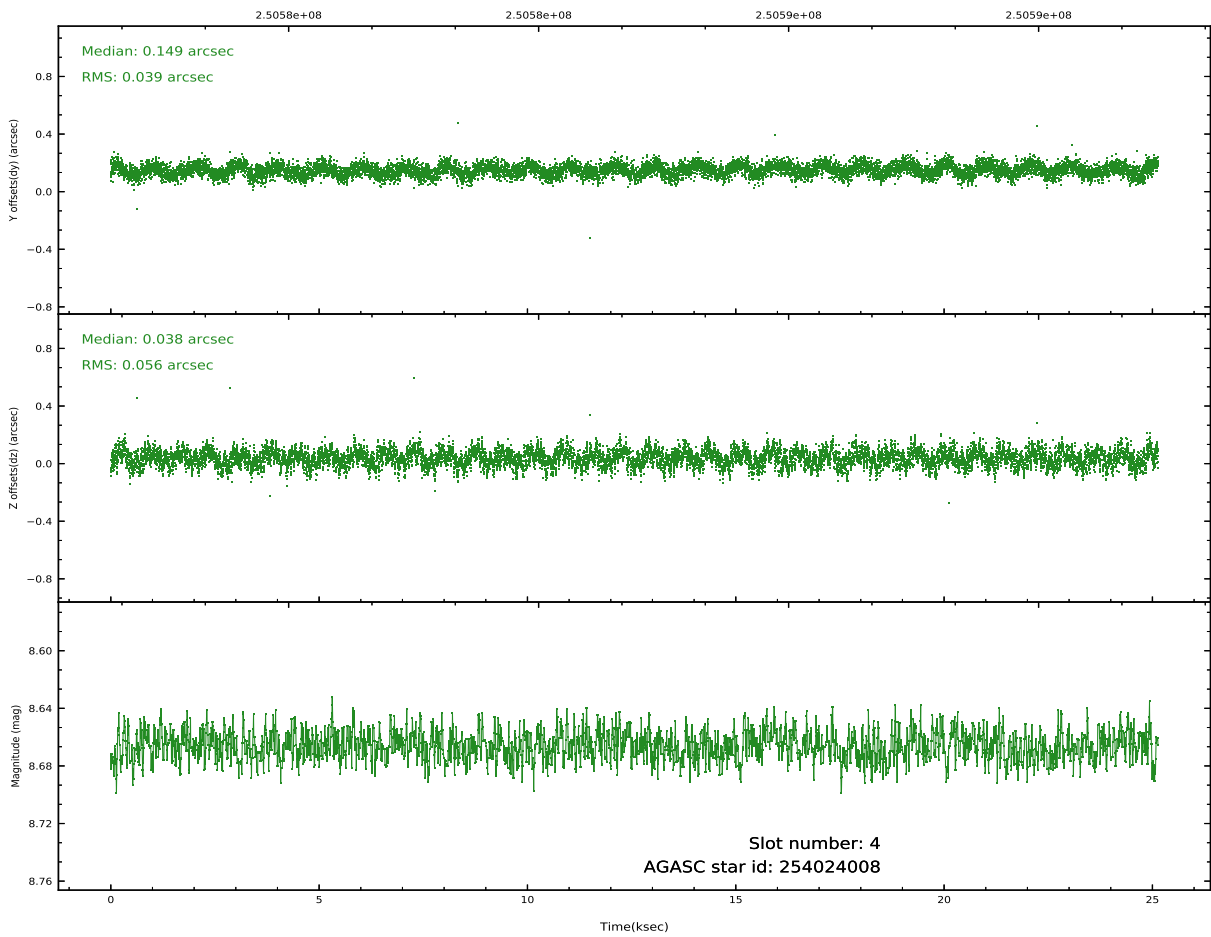
2.4.1 Slot 3



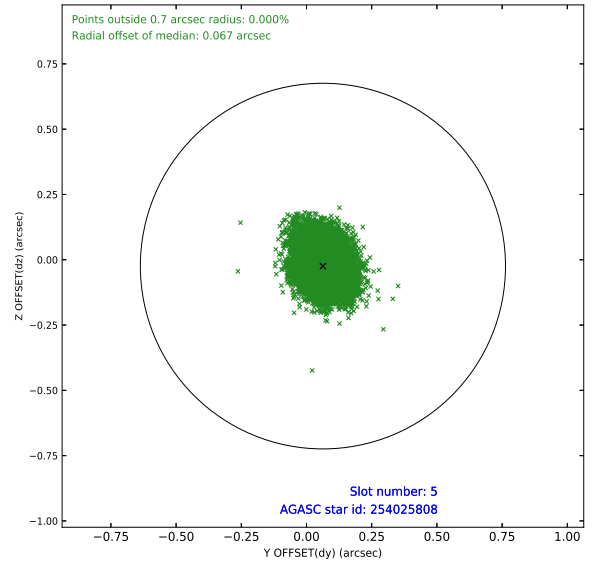
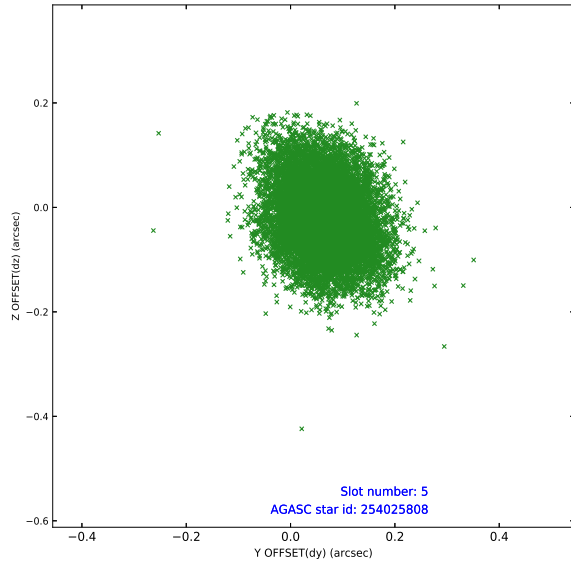
2.4.2 Slot 4



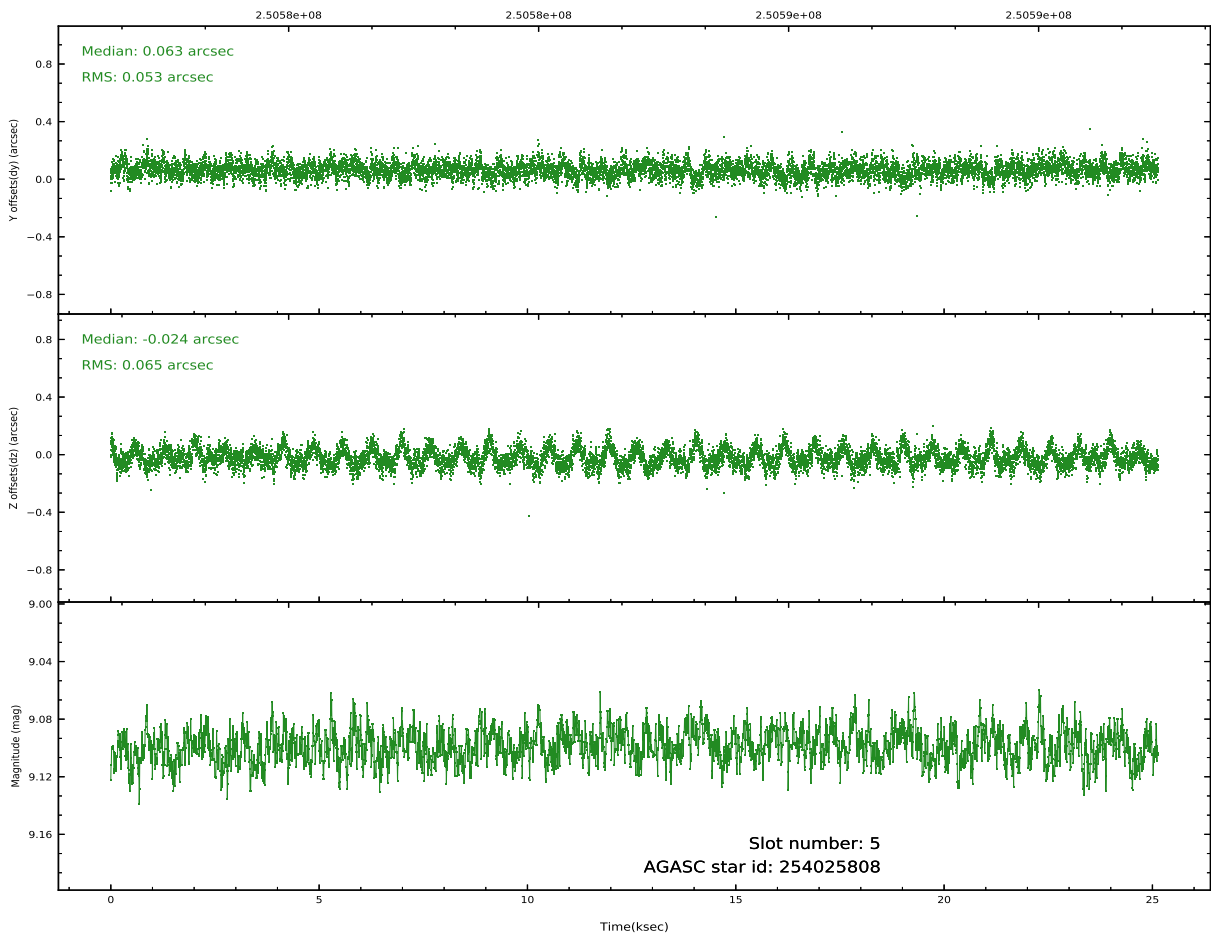
Time (s)



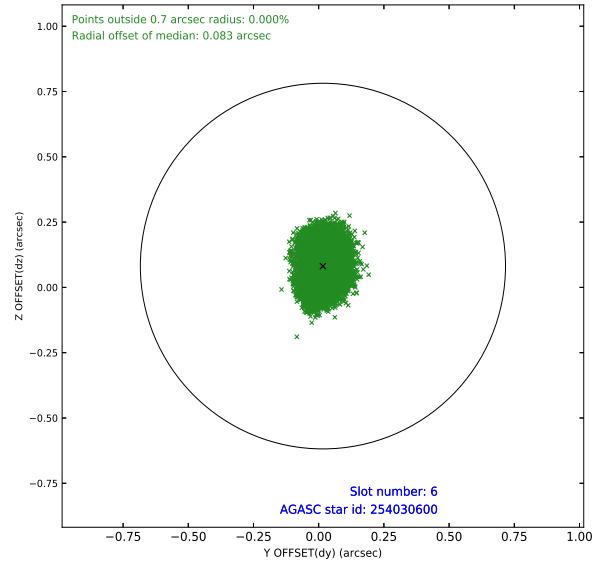
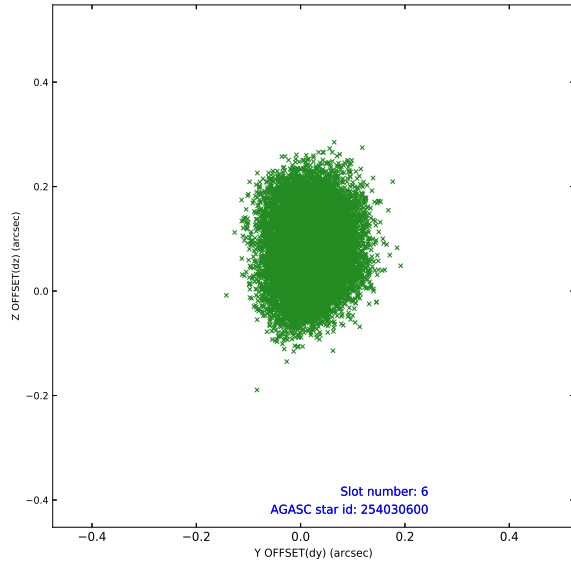
2.4.3 Slot 5



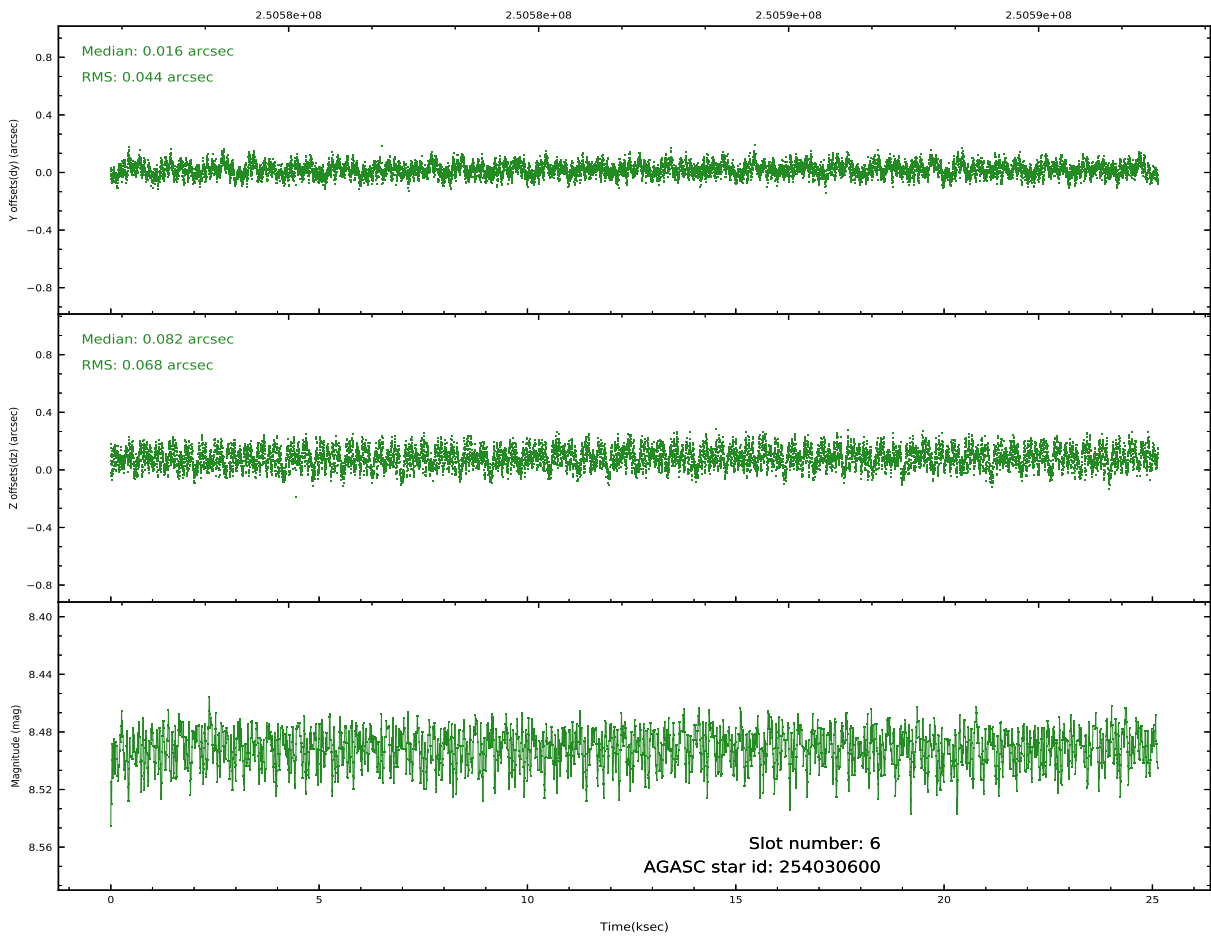
Time (s)



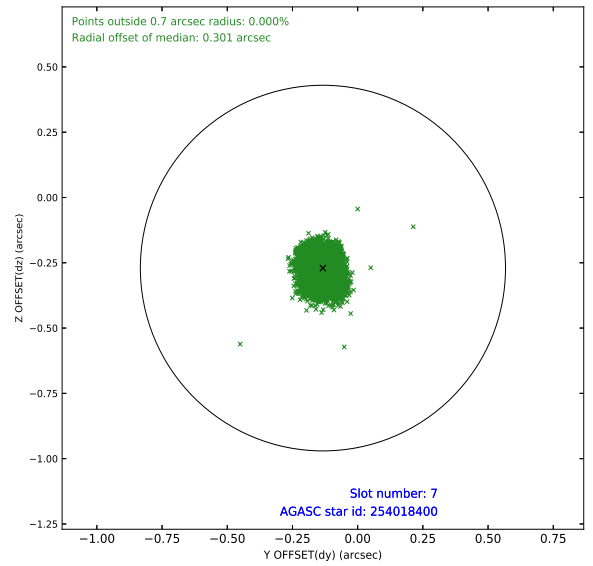
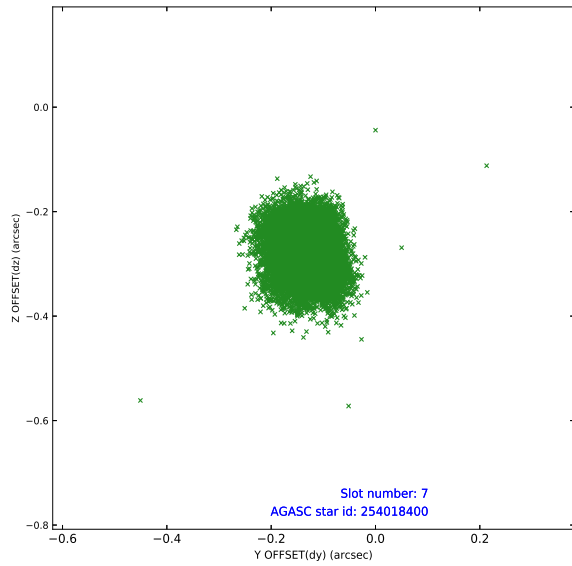
2.4.4 Slot 6



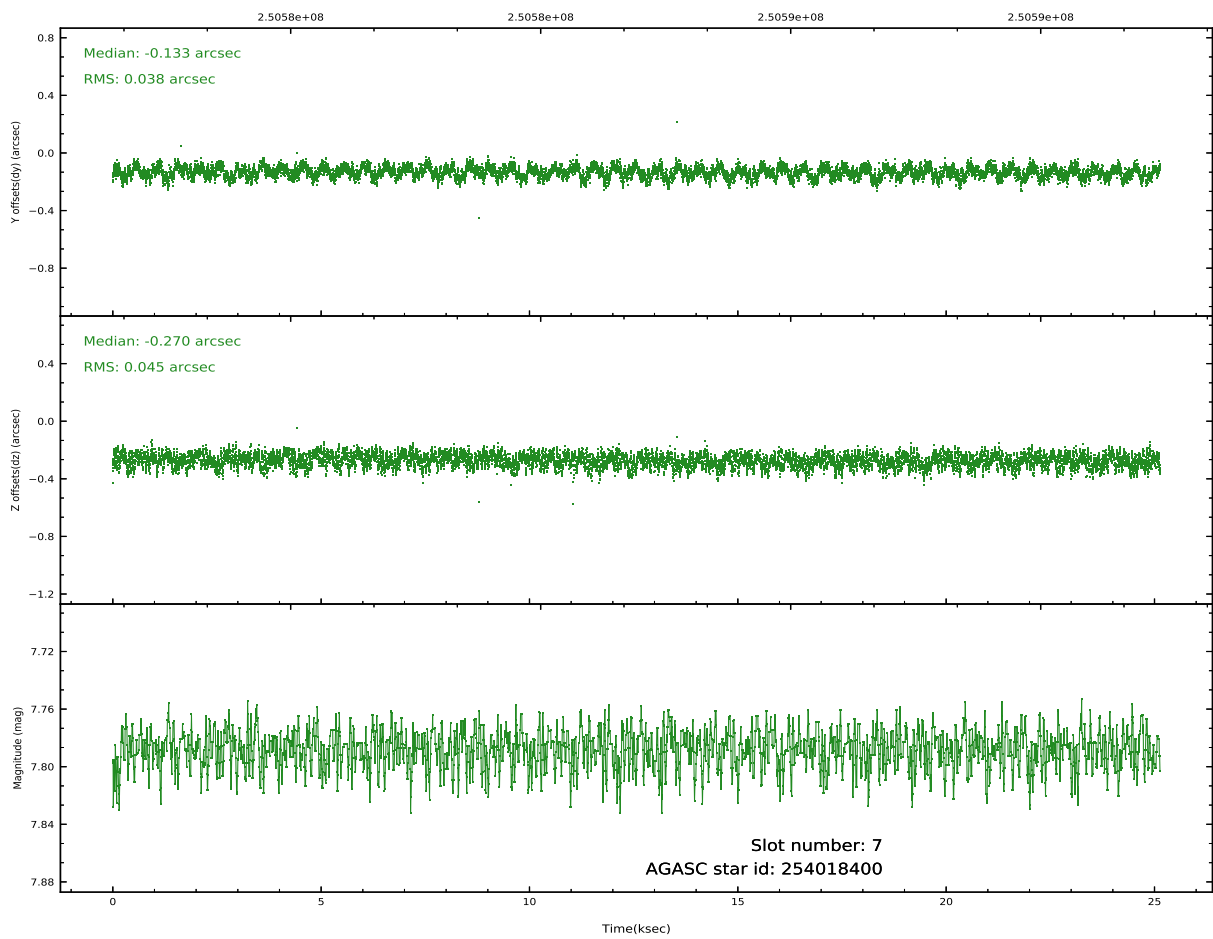
Time (s)



2.4.5 Slot 7

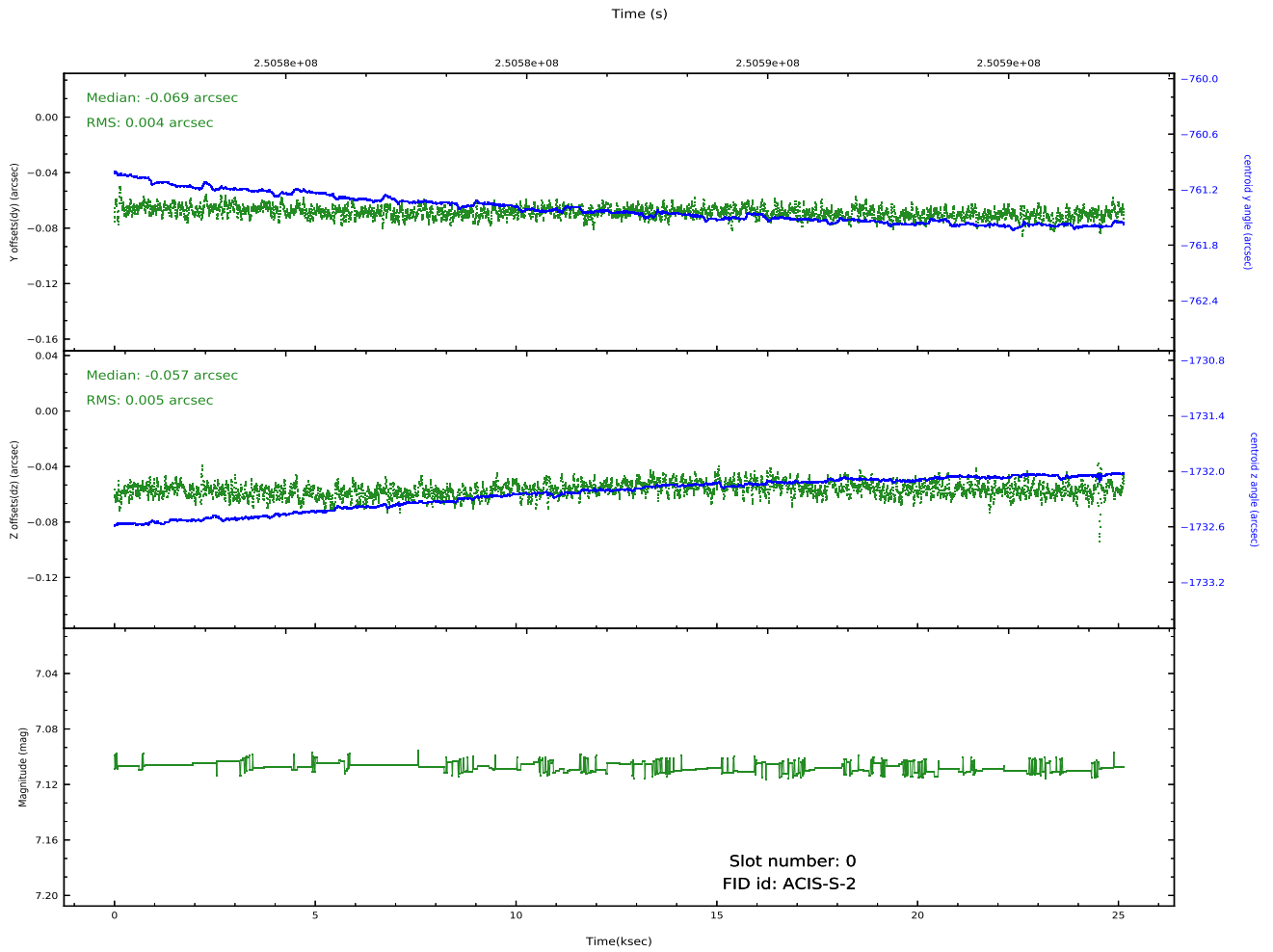
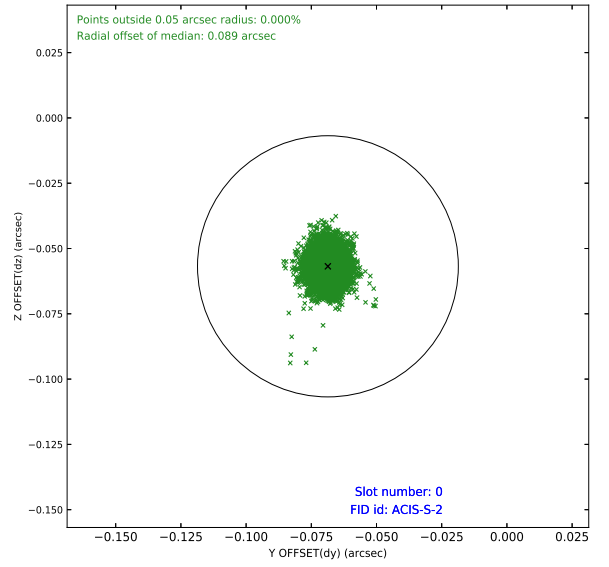
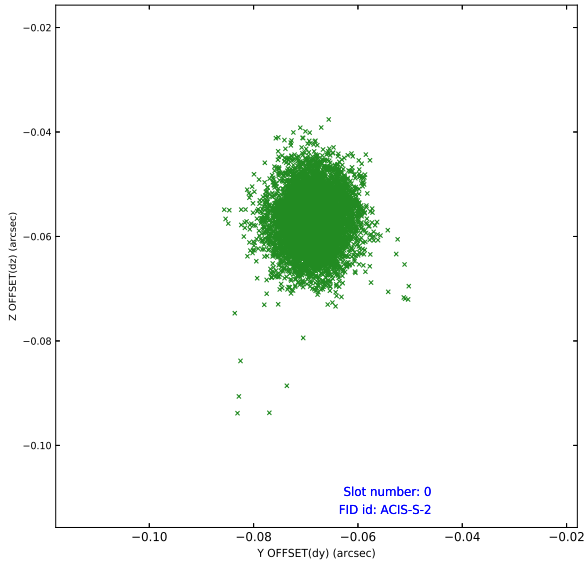


Time (s)

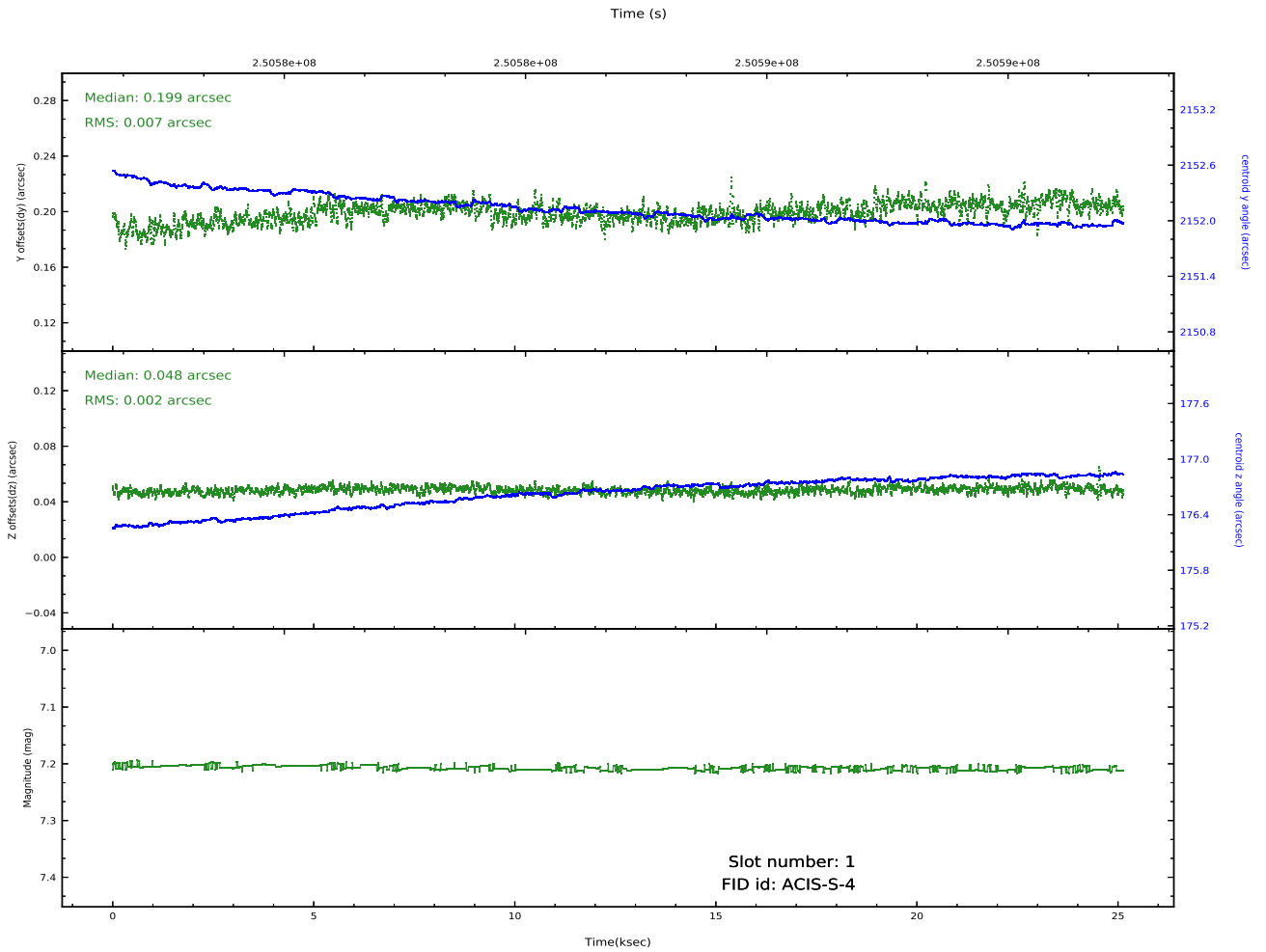
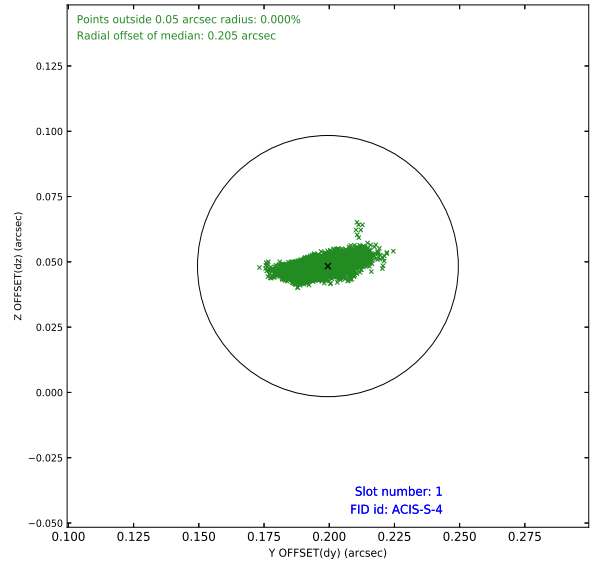
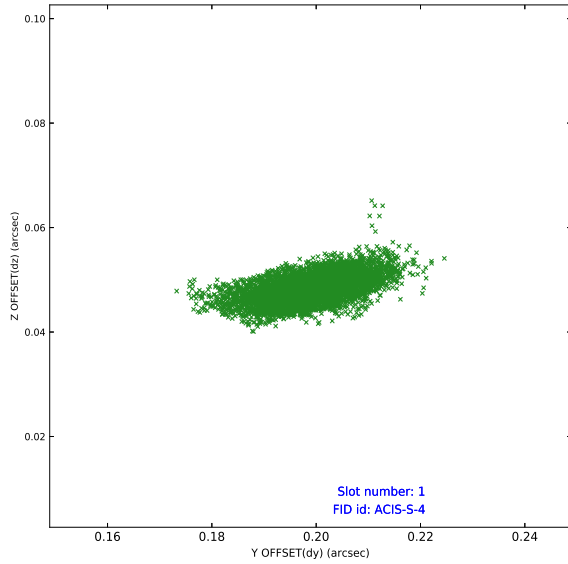


2.5 FID Slots

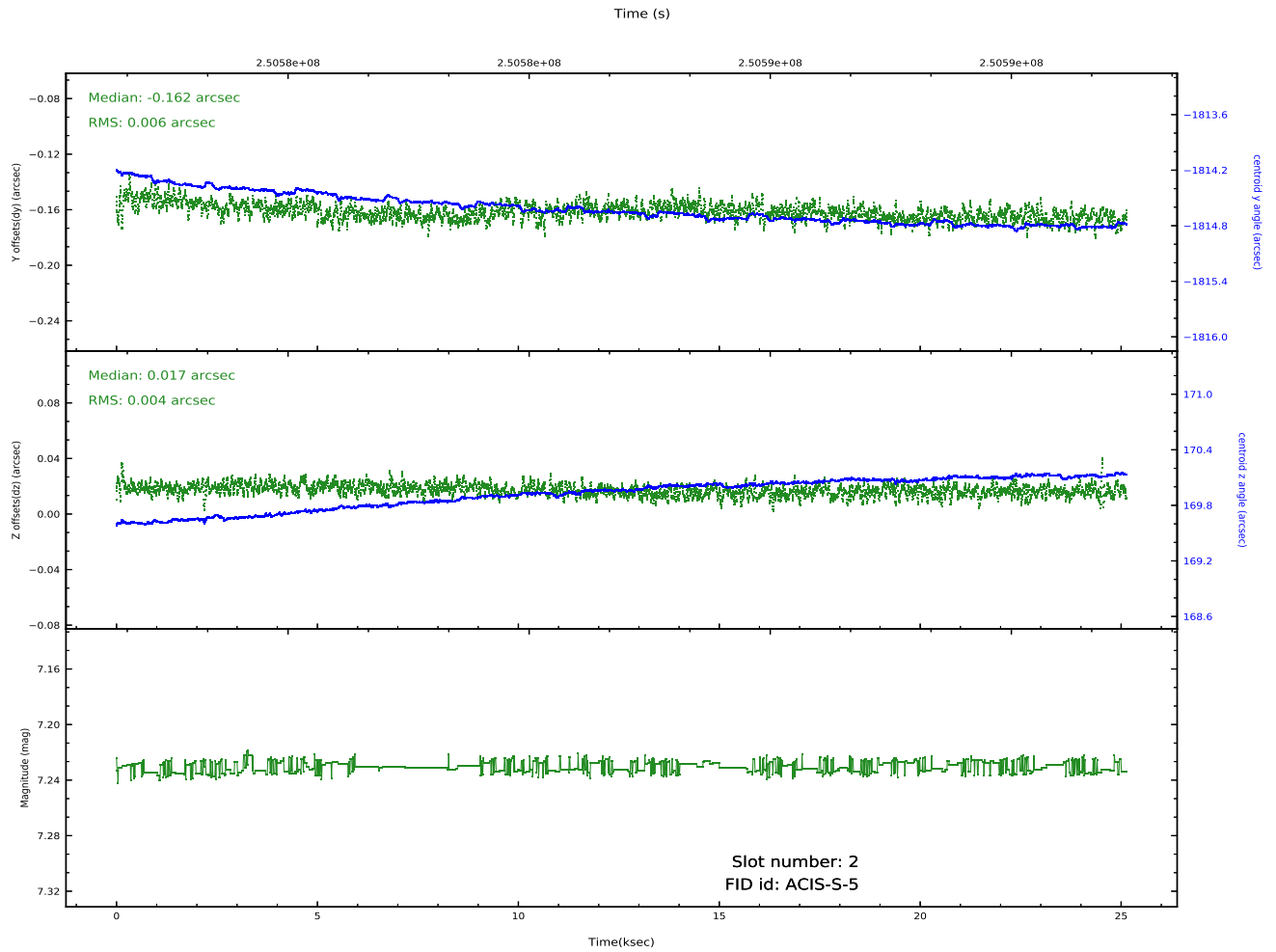
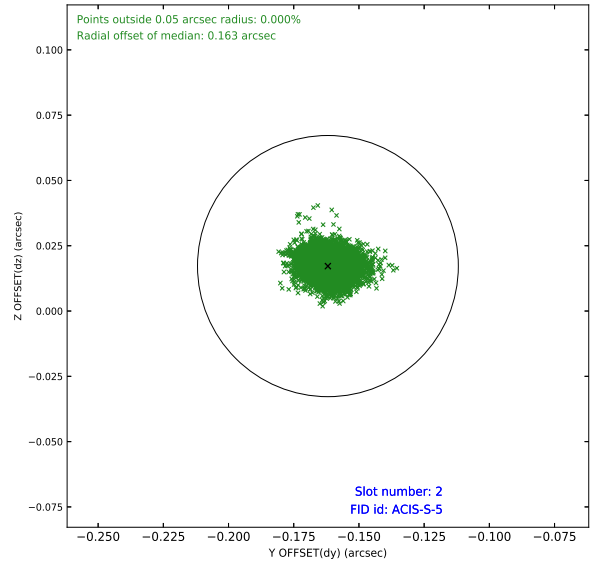
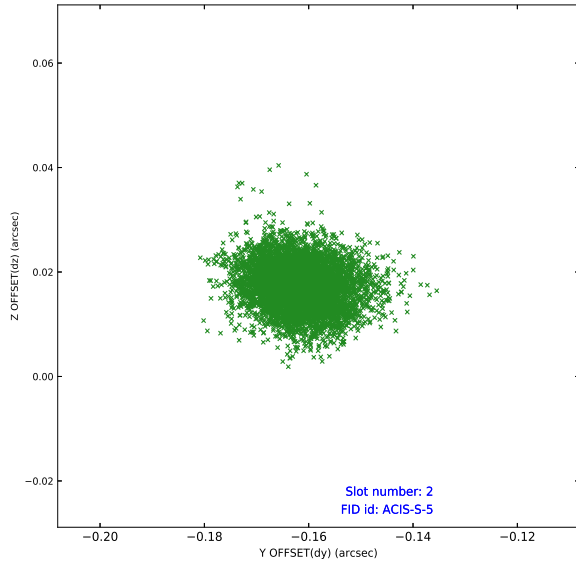
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.1364

A.2 Comments