

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4869 - L2 Version 4
Chandra X-Ray Center

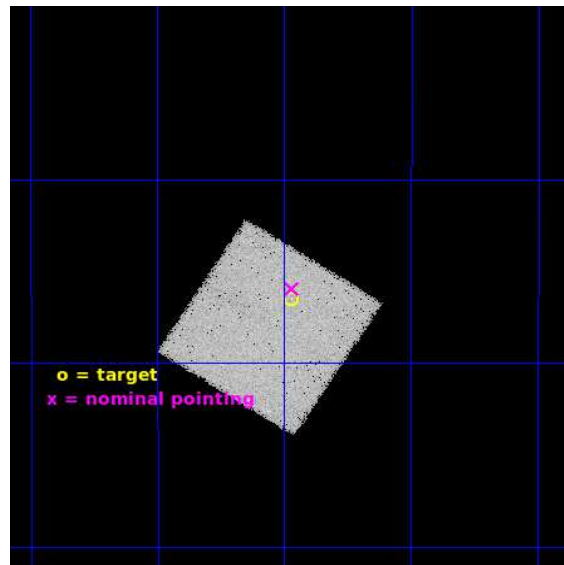
L2 Processing Date : Sep 26 2020

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1 Front

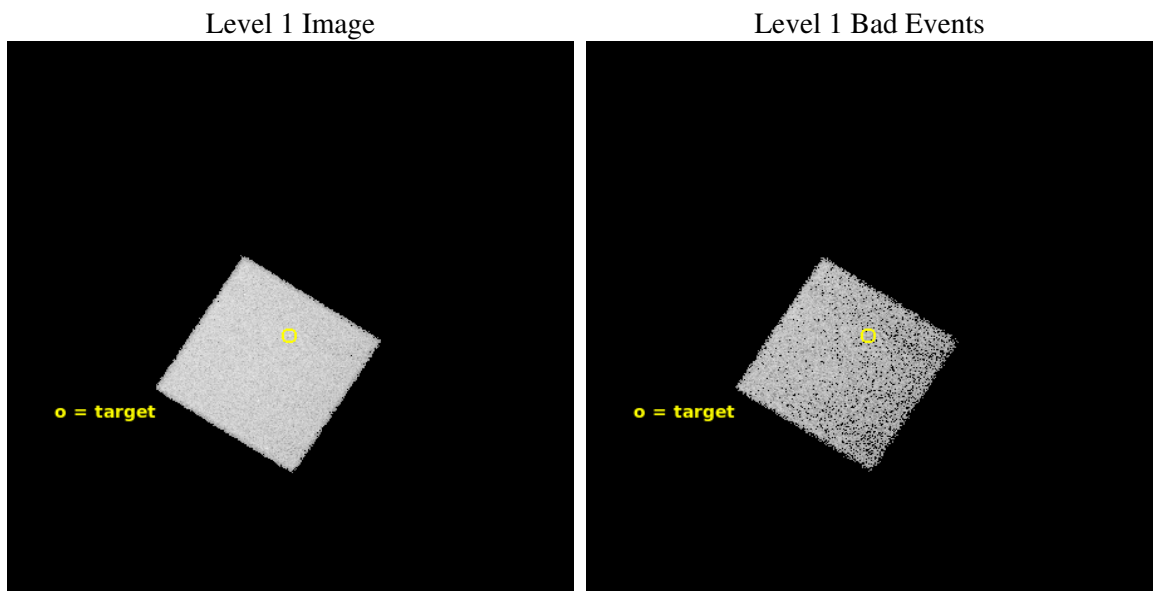
seq_num	700951	Sequence number
obs_id	4869	Observation id
title	UNCOVERING THE HIDDEN POPULATION OF BL LACS	Proposal title
observer	Dr Nicola Loaring	Principal investigator
object	2QZ J003058.2-275629	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.742917	Observer's specified target RA [deg]
dec_targ	-27.941611	Observer's specified target Dec [deg]
ra_nom	7.7424422323864	Nominal RA [deg]
dec_nom	-27.932682658824	Nominal Dec [deg]
roll_nom	122.61150117348	Nominal Roll [deg]
revision	4	Processing version of data
ontime	14046.0	Sum of GTIs [s]
livetime	13856.443848157	Livetime [s]
ontime7	14046.0	Sum of GTIs [s]
l2events	80715	Number of level 2 events



2 OBI

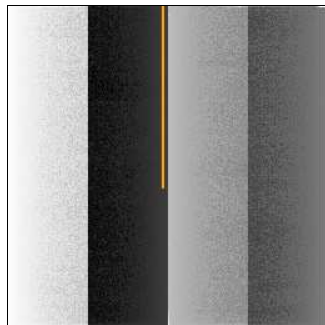
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13894.473000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	14046.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	14046.0	Sum of GTIs [s]
date	2020-09-26T10:28:18	Date and time of file creation	l1events	169640	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

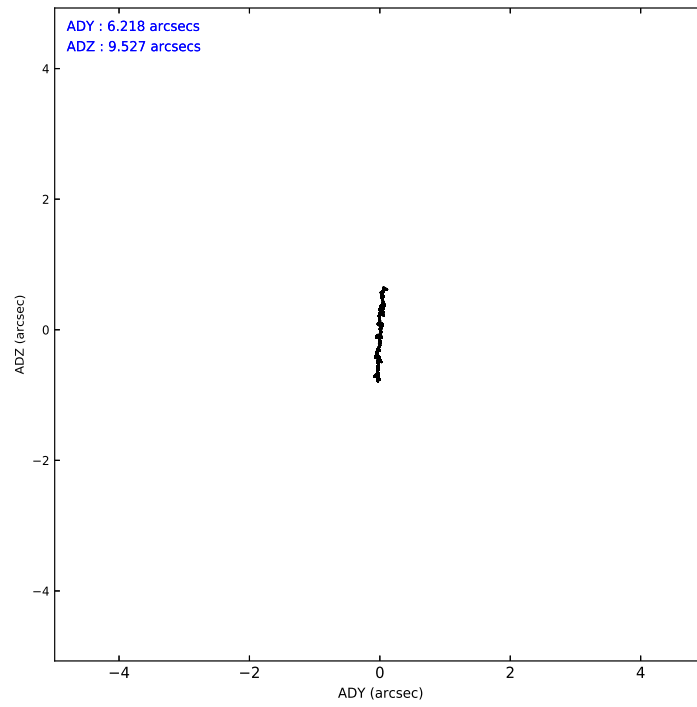
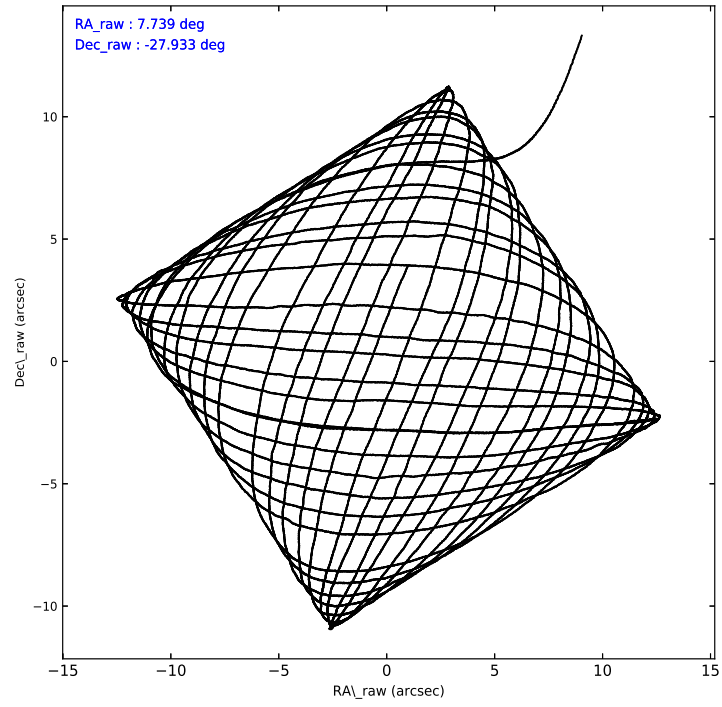
	ccd 7
level 1 events	169640
rejected events	86952
rejected %	51%

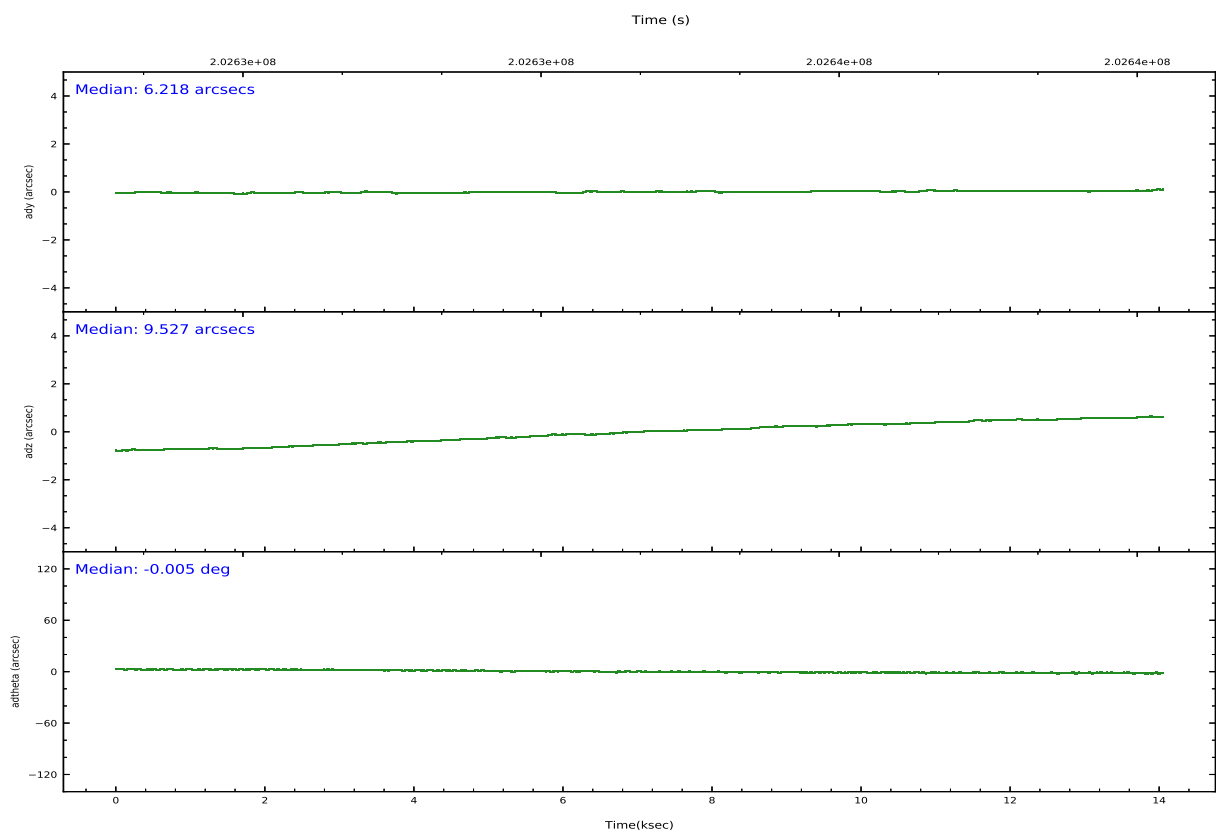
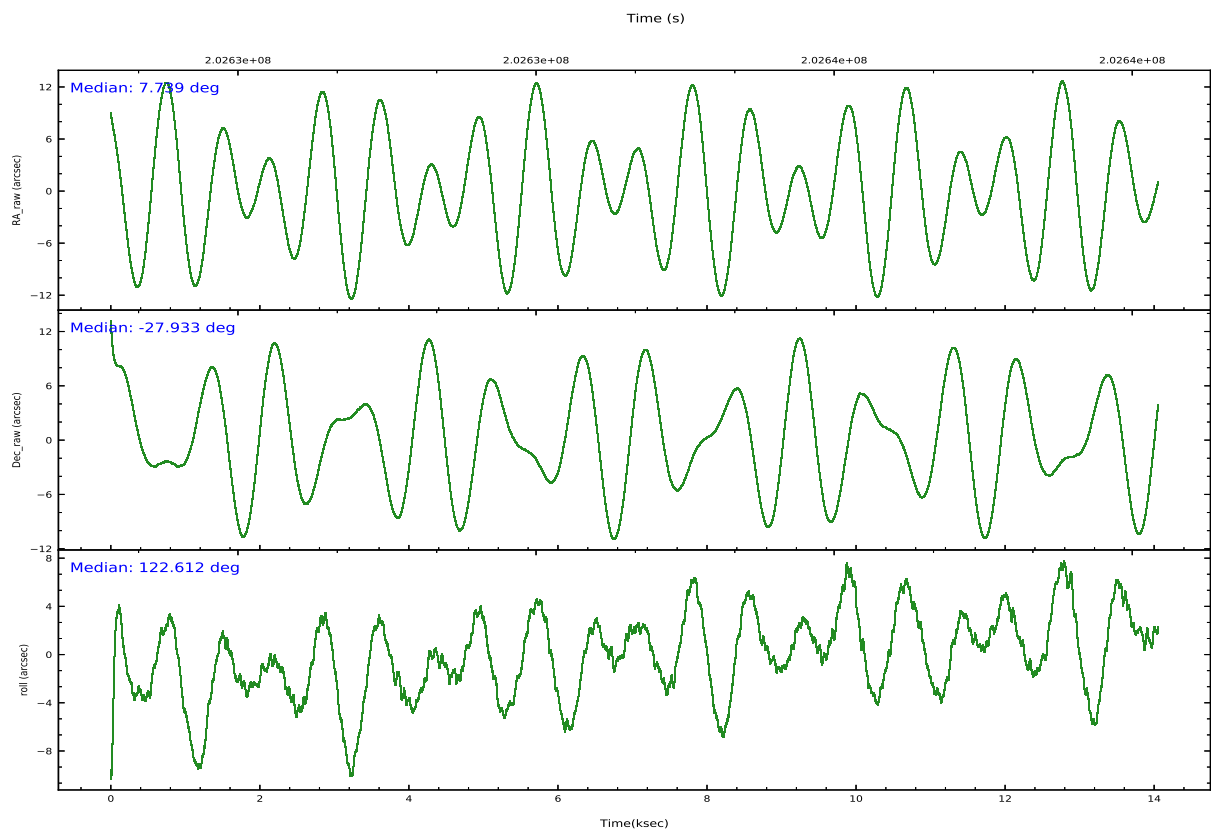
	ccd 7
grade 0 events	7836
	4%
grade 1 events	122
	0%
grade 2 events	15667
	9%
grade 3 events	6964
	4%
grade 4 events	6801
	4%
grade 5 events	13989
	8%
grade 6 events	48124
	28%
grade 7 events	70137
	41%

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	7.766284	7.7424422323864	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.944878	-27.932682658824	Alternating exposures requested	N	N
[deg] Pointing Roll	122.467393	122.61150117348	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	202626453.184000	202625285.68262			
Observation start date	2004-06-03T05:06:29	2004-06-03T04:48:05			
[s] Observation end time (MET)	202640348.184000	202640563.8208			
Observation end date	2004-06-03T08:58:04	2004-06-03T09:02:43			
Read mode	TIMED	TIMED			

2.3 Aspect



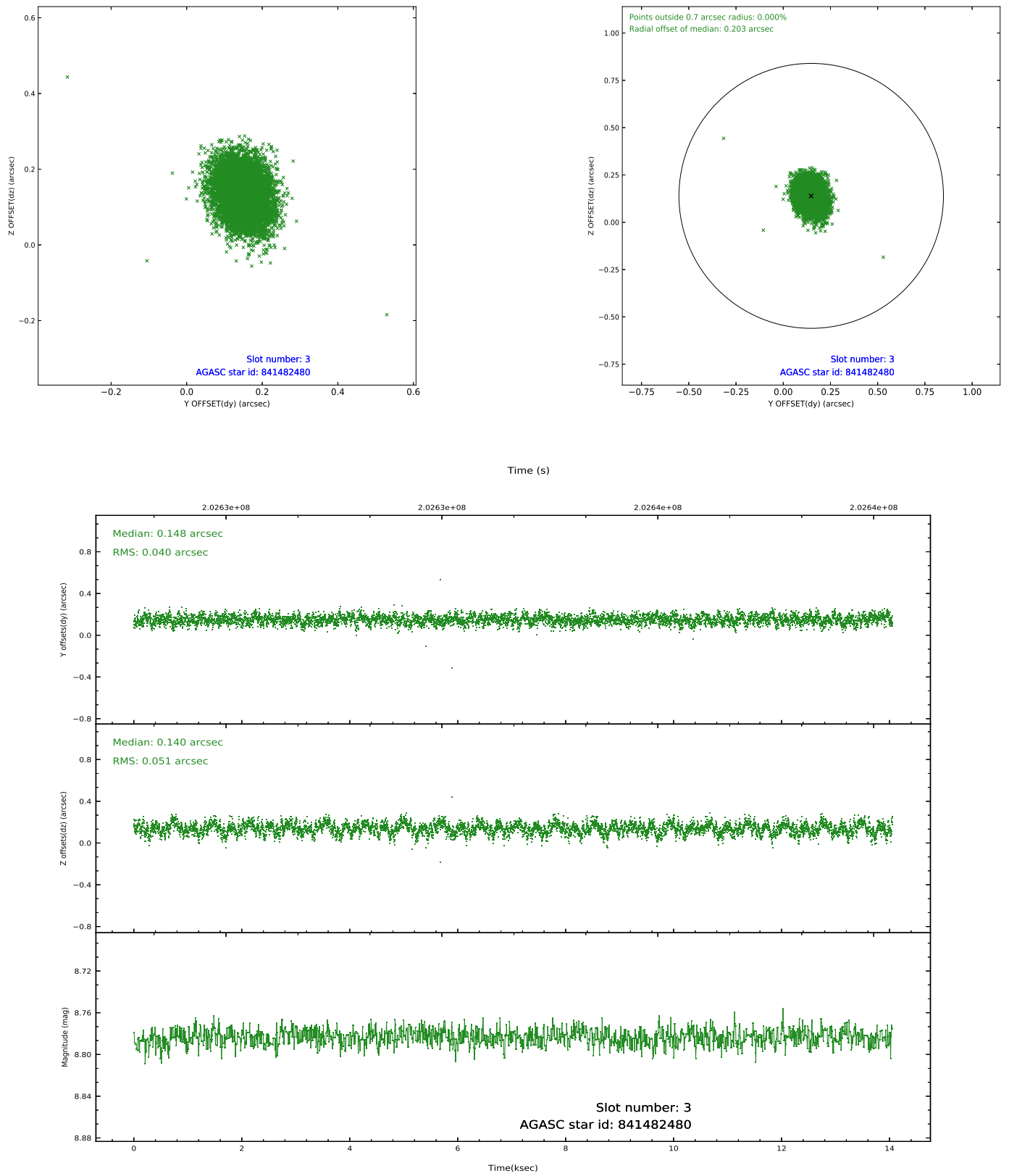


Slot Statistics

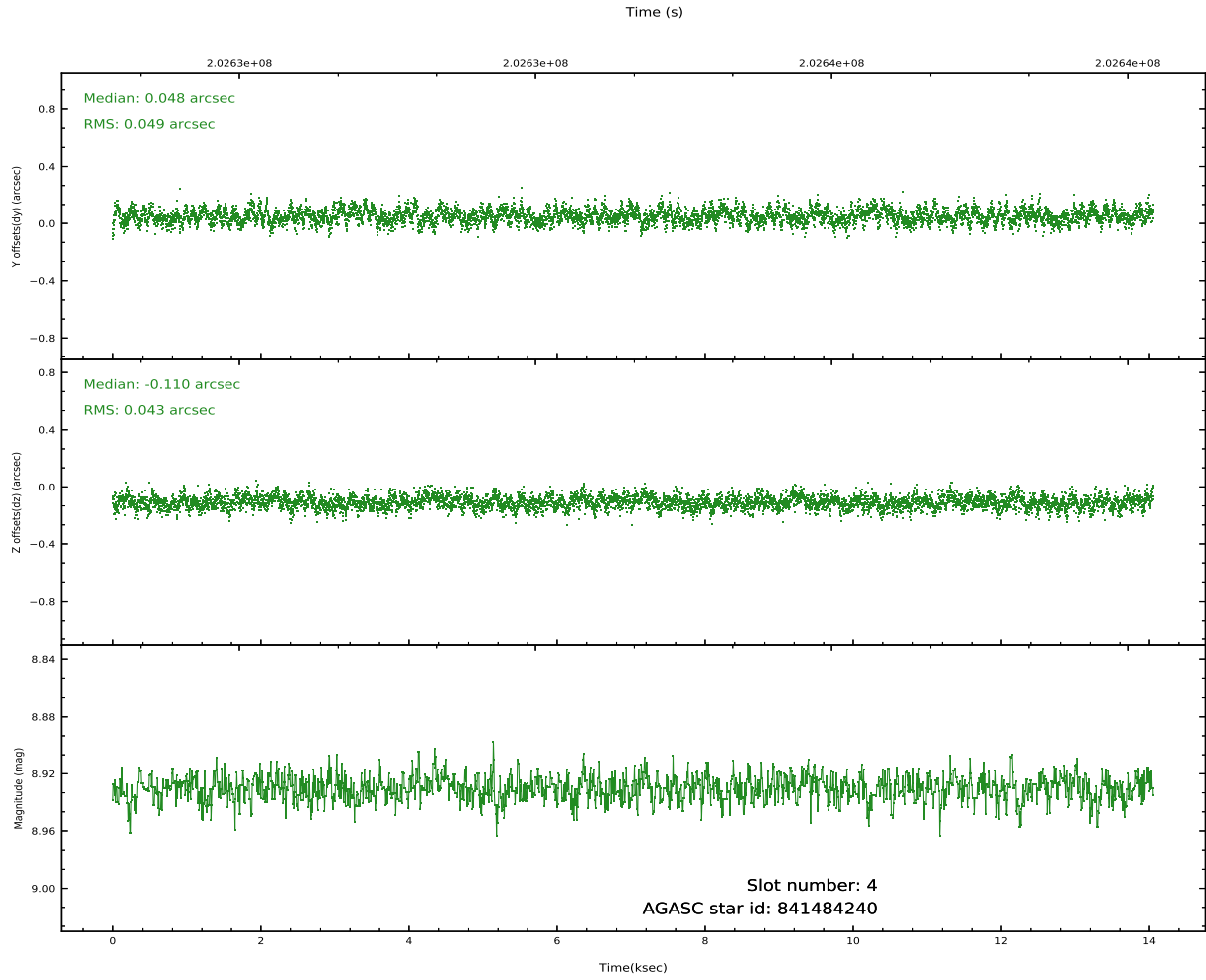
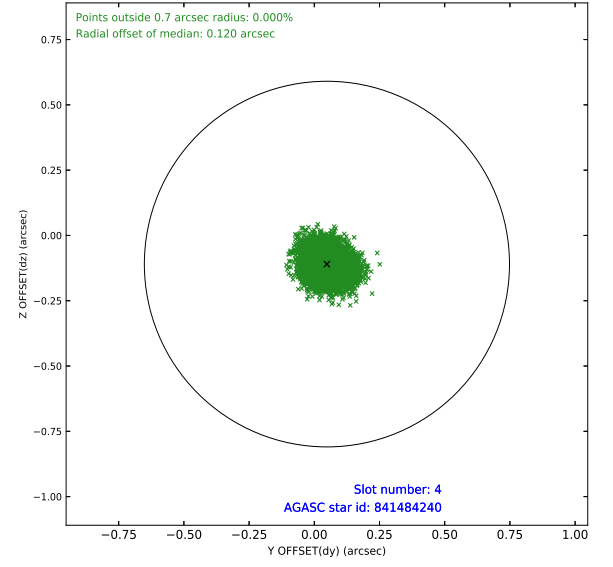
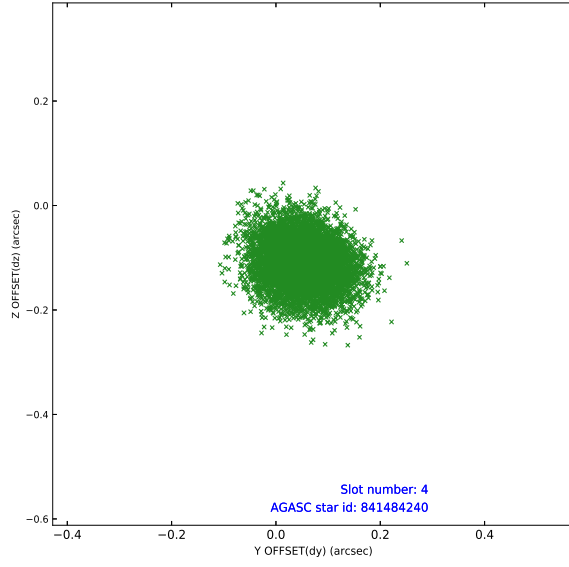
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	3428	1.000	-0.086	-0.071	0.015	0.023	0.000000	0.000000	-758.99	-1730
1	FID		ACIS-S-4	7.21	3428	1.000	0.149	0.059	0.008	0.015	0.000000	0.000000	2154.32	177
2	FID		ACIS-S-5	7.23	3429	1.000	-0.096	0.020	0.014	0.021	0.000000	0.000000	-1811.46	171
3	GUIDE	used	841482480	8.78	6852	1.000	0.148	0.140	0.069	0.111	8.306502	-28.375543	-2229.68	-609
4	GUIDE	used	841484240	8.93	6856	1.000	0.048	-0.110	0.070	0.113	7.658873	-28.536301	-1614.57	1429
5	GUIDE	used	841487336	8.53	6854	1.000	-0.062	-0.102	0.057	0.092	7.660145	-27.935225	210.17	266
6	GUIDE	used	841879040	9.45	6851	1.000	0.081	0.202	0.090	0.152	8.674002	-28.045385	-1862.30	-2232
7	GUIDE	used	841487512	9.17	6848	1.000	-0.217	-0.126	0.081	0.128	6.983954	-27.971108	1248.30	2153

2.4 Star Slots

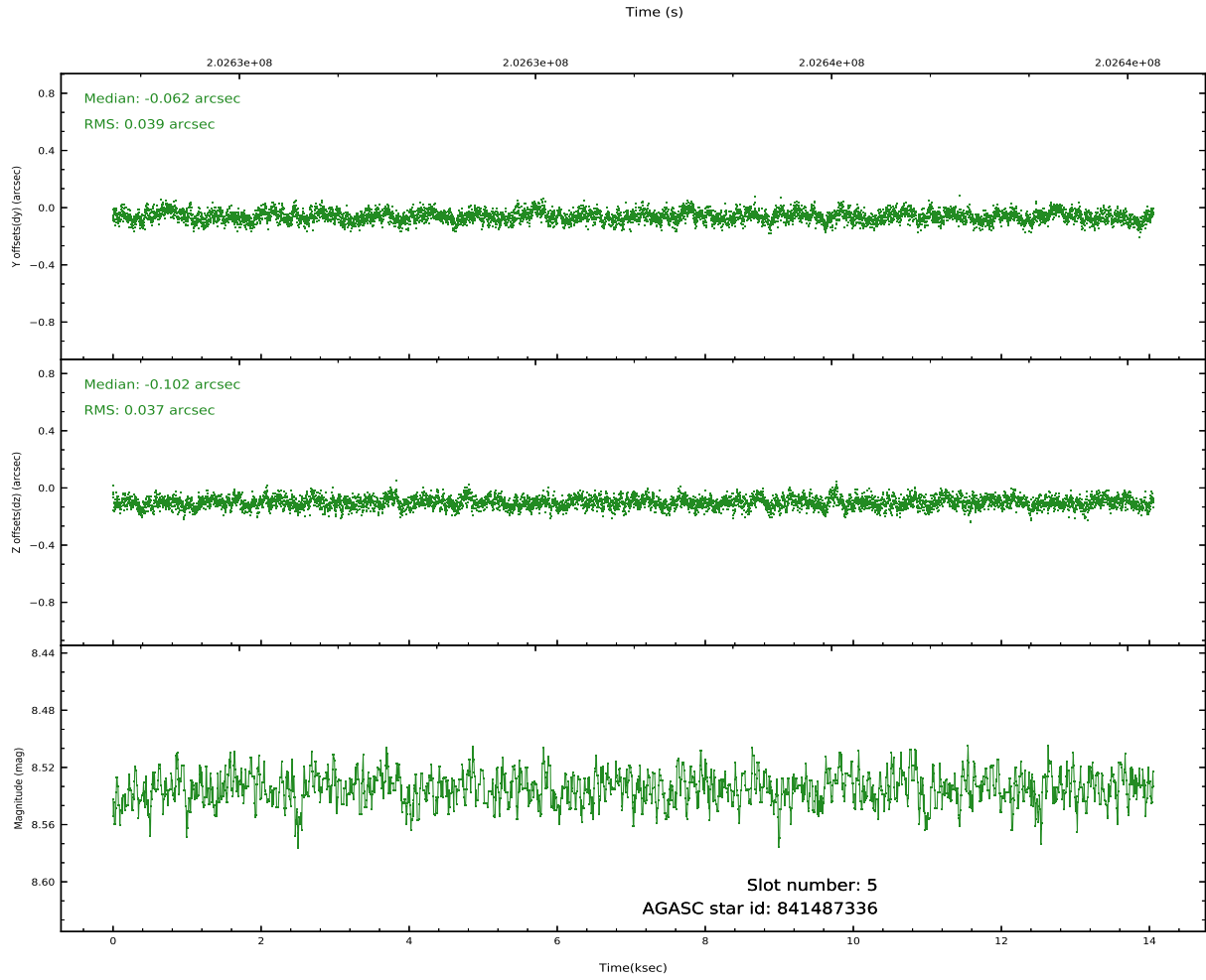
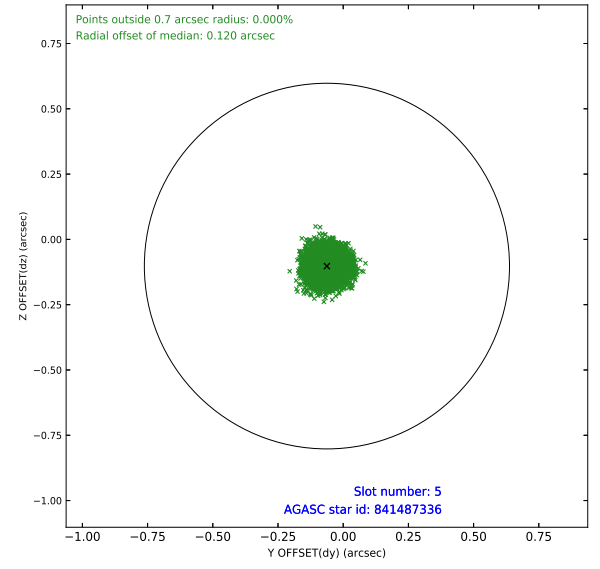
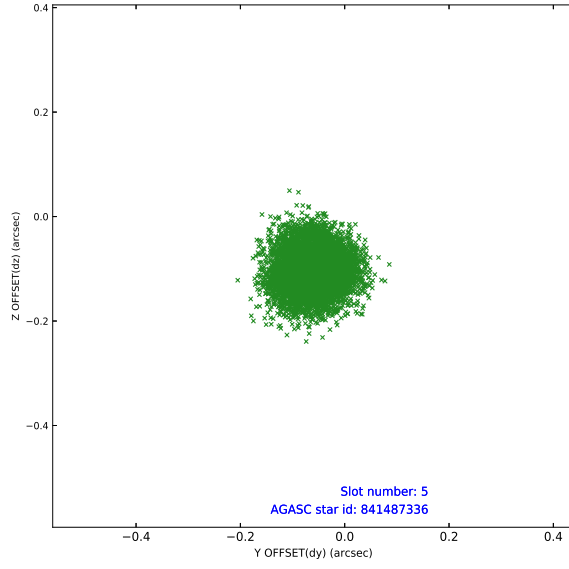
2.4.1 Slot 3



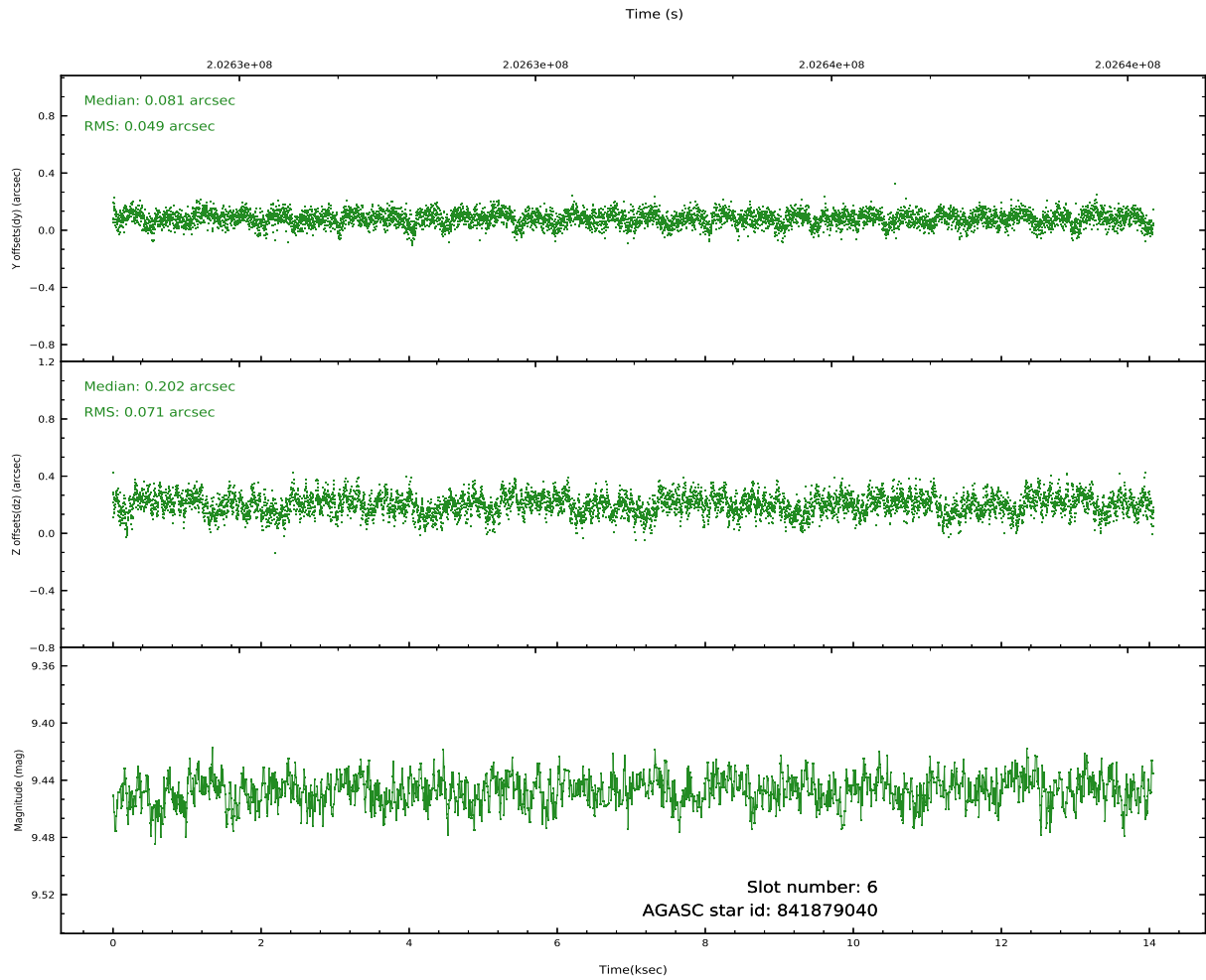
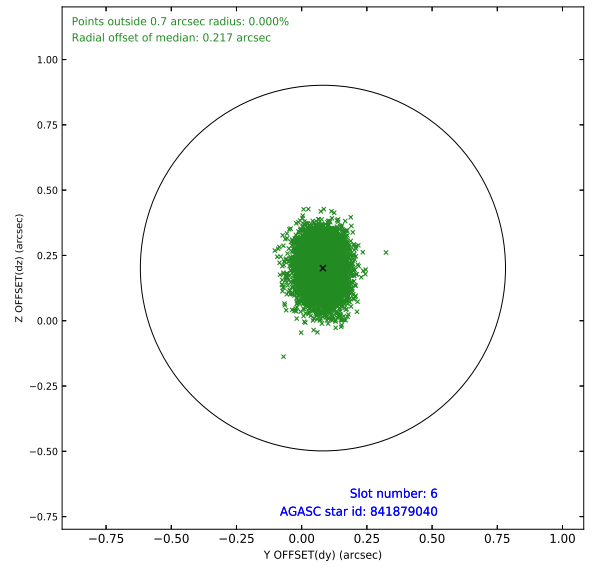
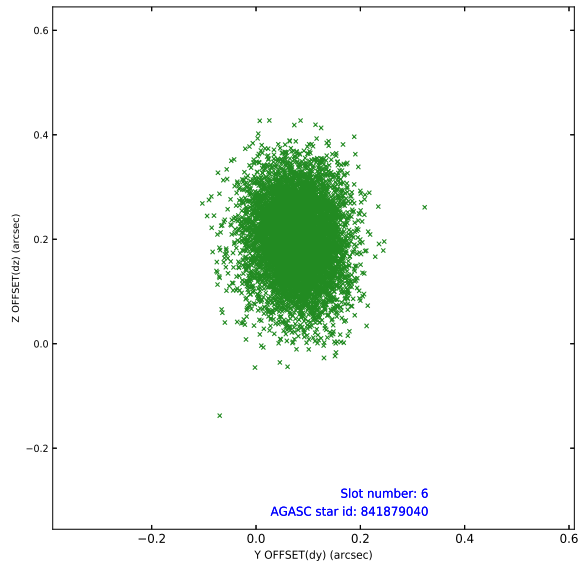
2.4.2 Slot 4



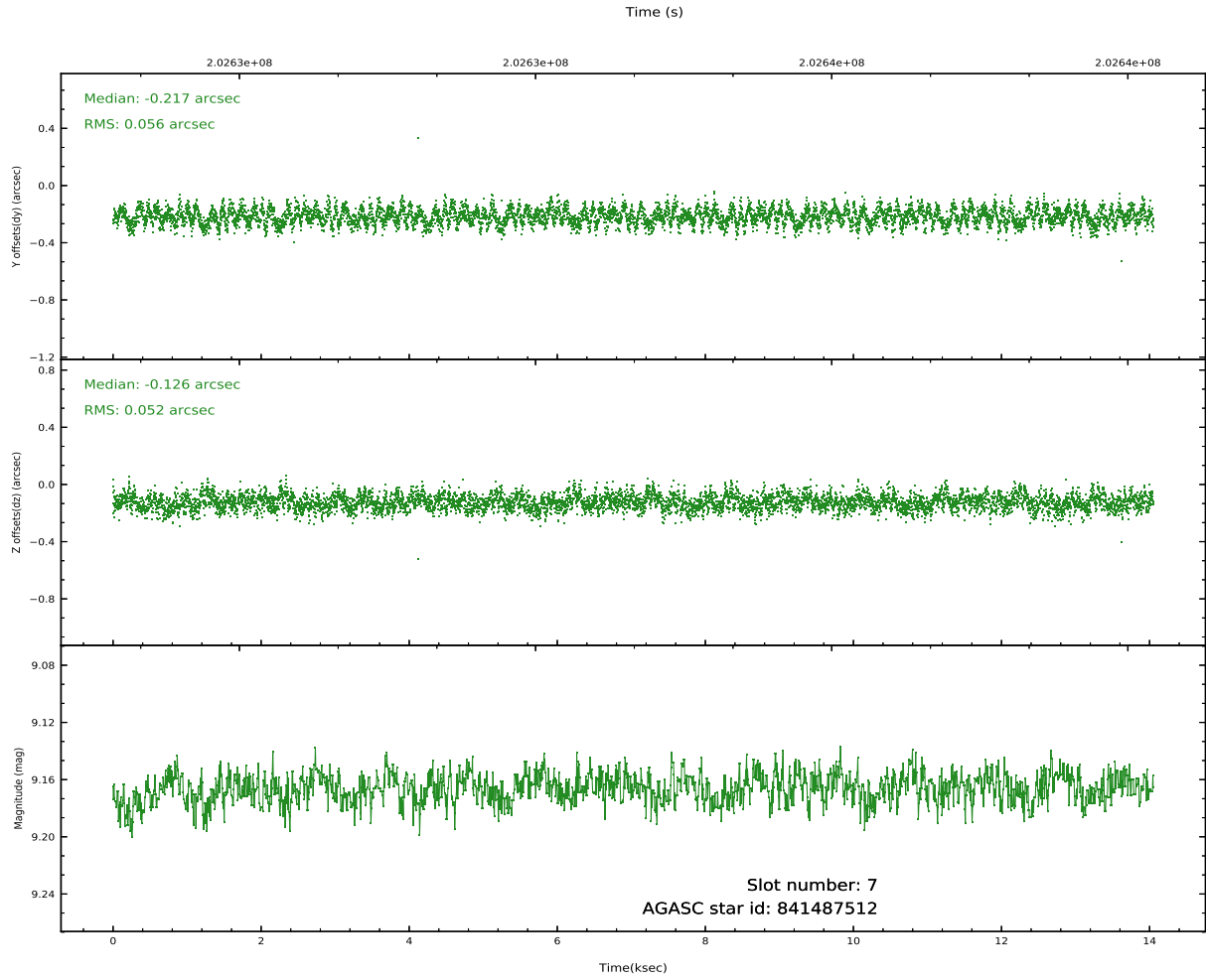
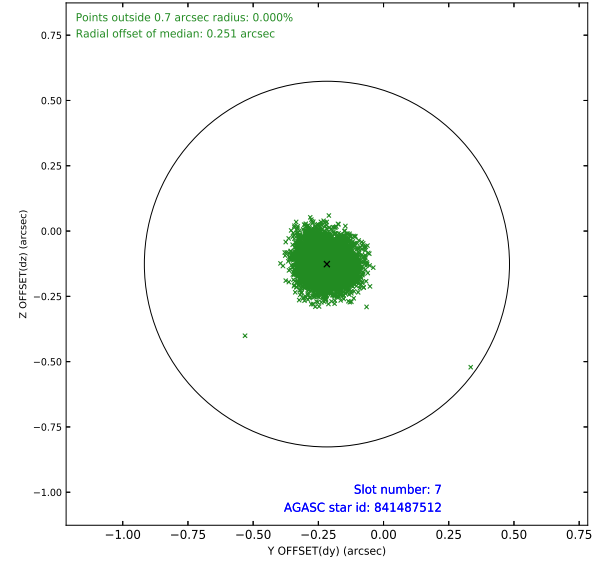
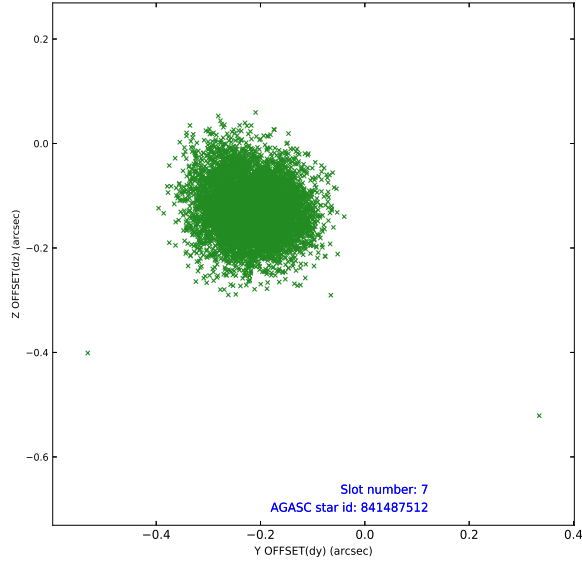
2.4.3 Slot 5



2.4.4 Slot 6

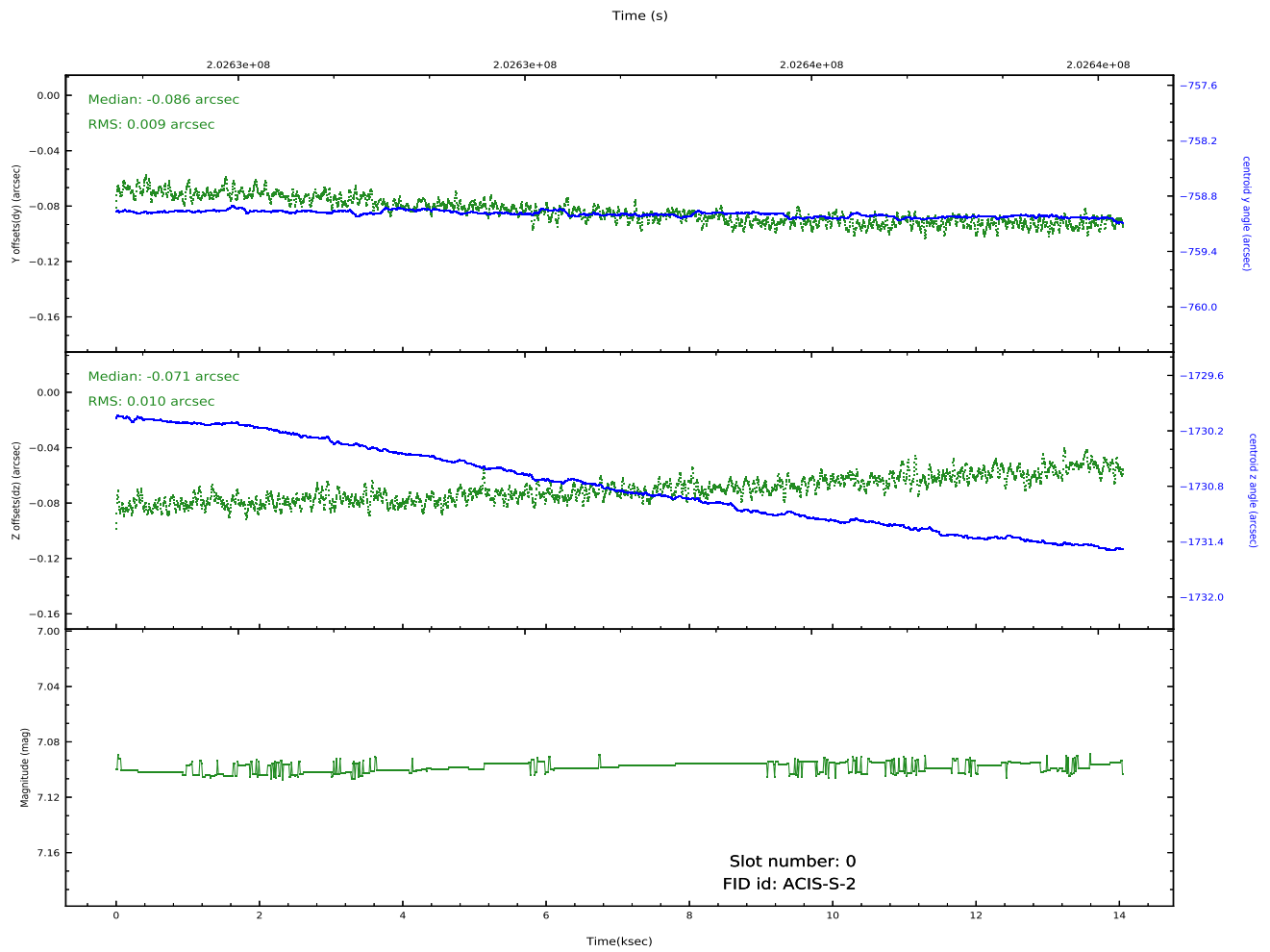
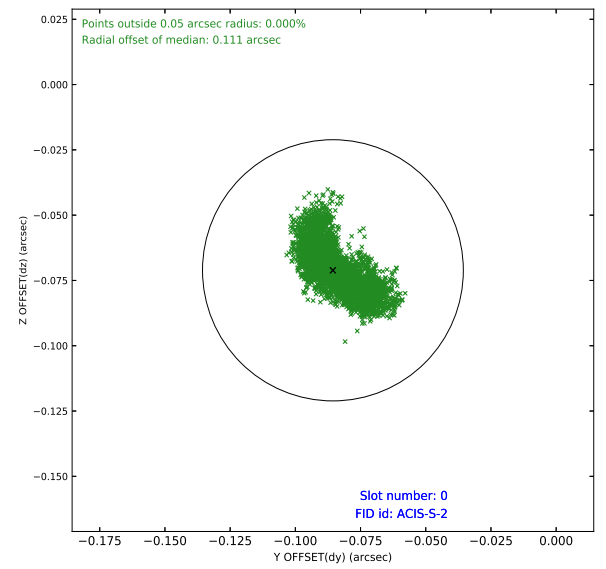
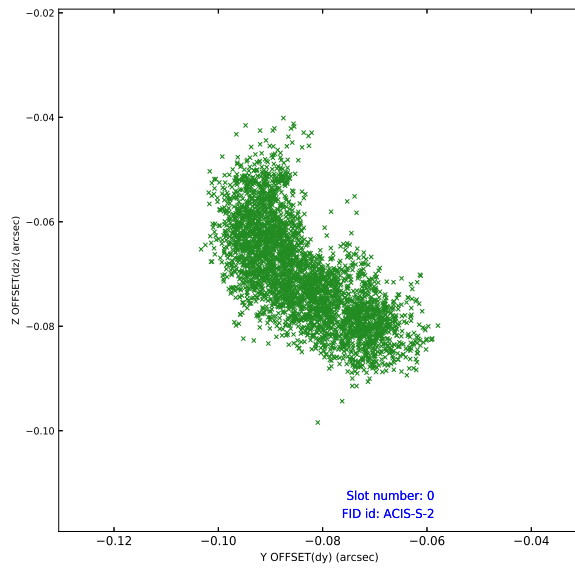


2.4.5 Slot 7

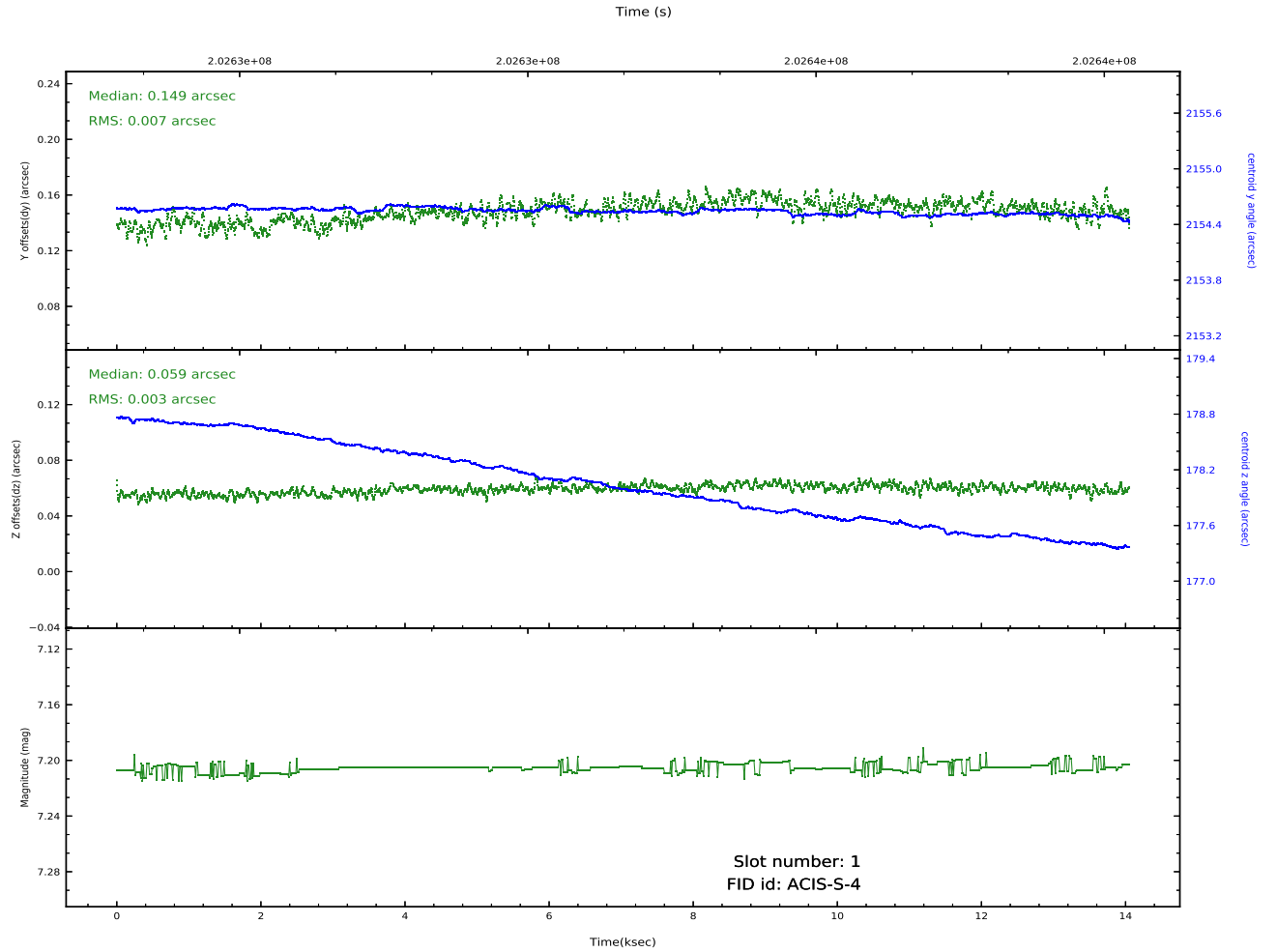
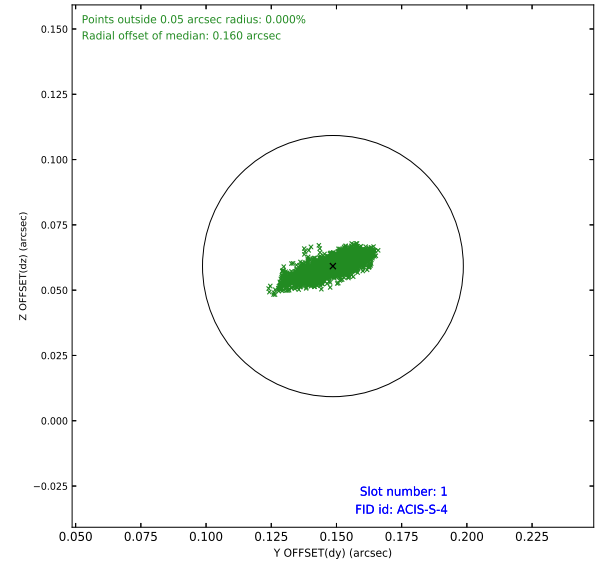
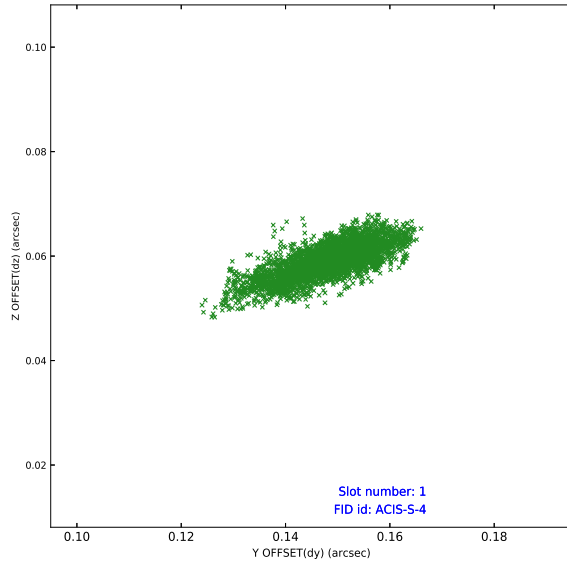


2.5 FID Slots

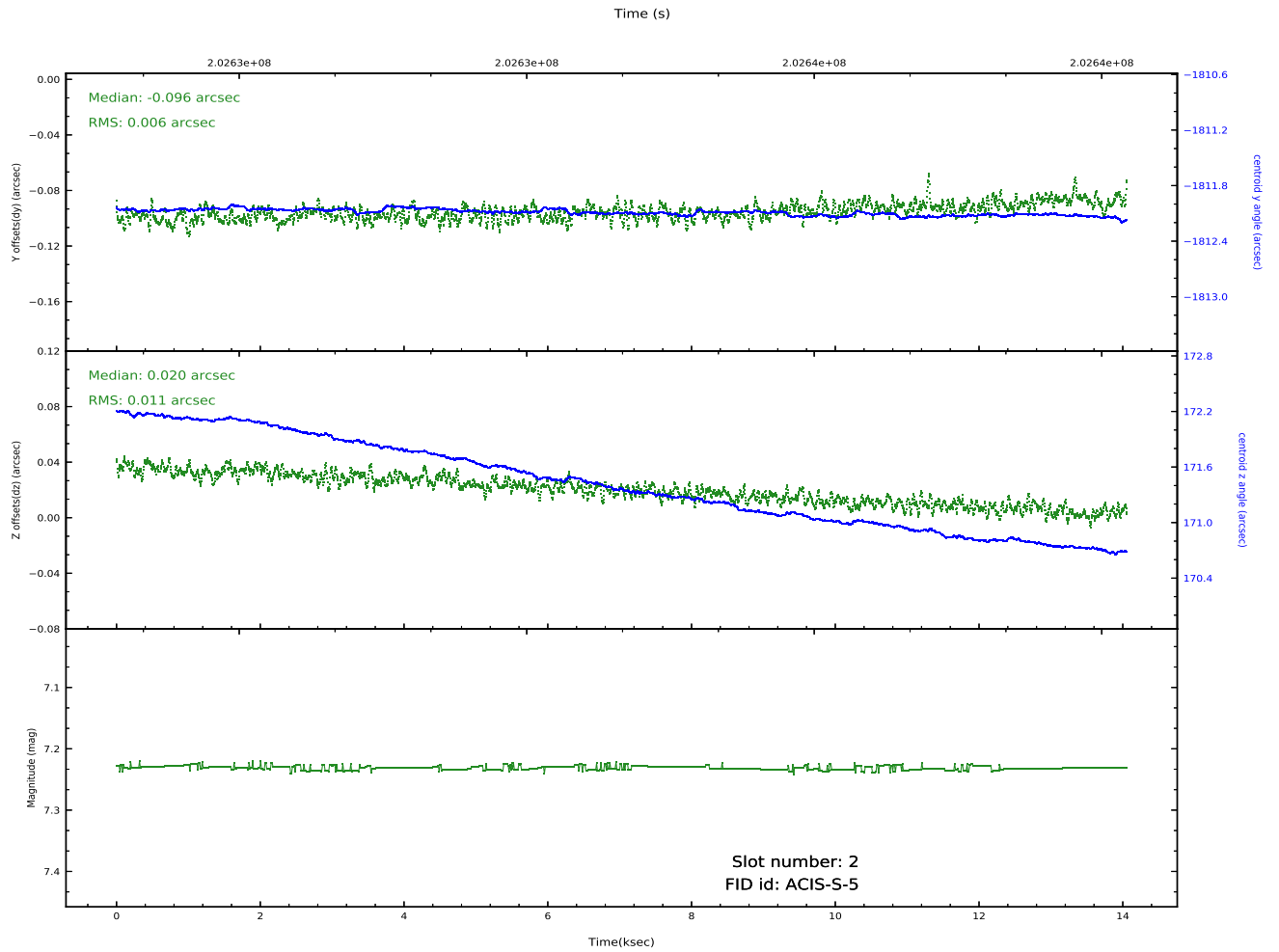
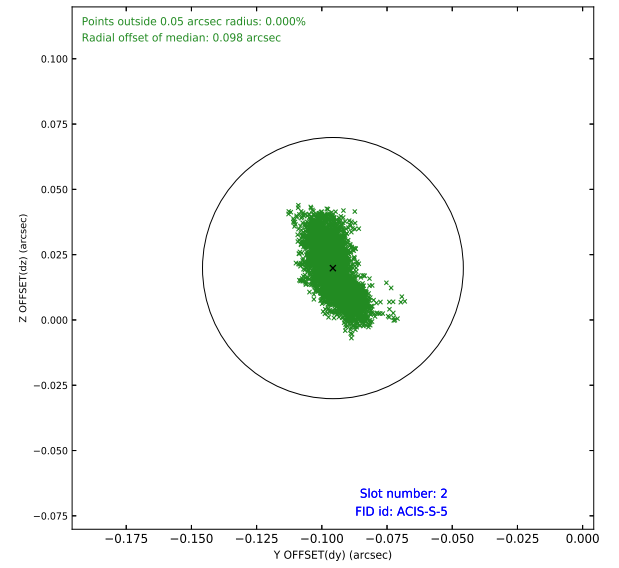
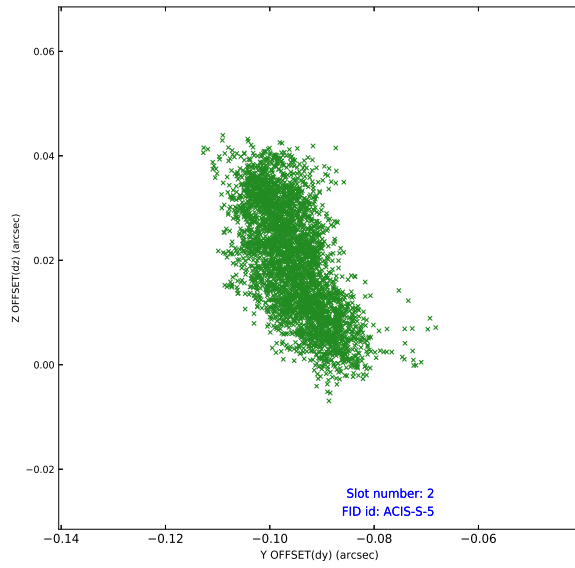
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.046

A.2 Comments