

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5664 - L2 Version 6
Chandra X-Ray Center

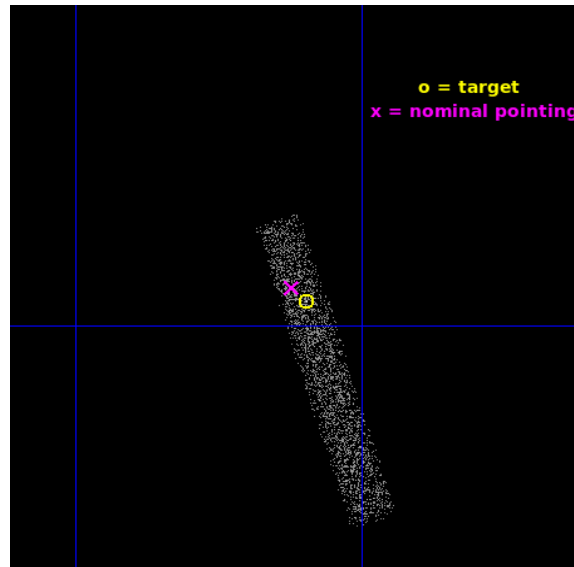
L2 Processing Date : Oct 6 2020

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1 Front

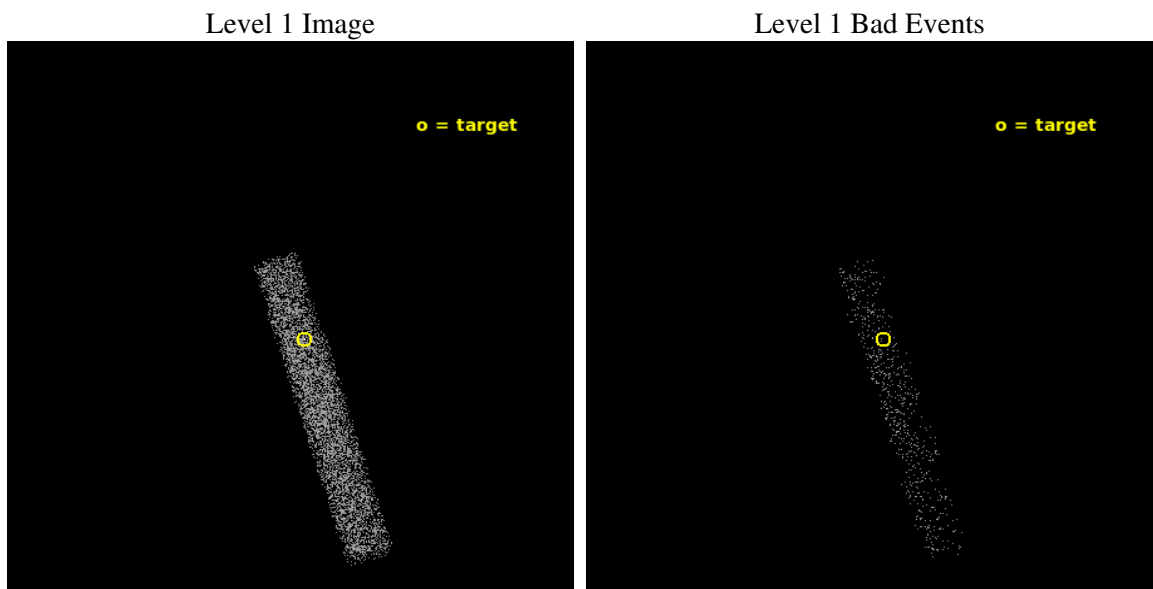
seq_num	701087	Sequence number
obs_id	5664	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J124035.81-002919.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.149167	Observer's specified target RA [deg]
dec_targ	-0.488722	Observer's specified target Dec [deg]
ra_nom	190.15551063105	Nominal RA [deg]
dec_nom	-0.48266578591875	Nominal Dec [deg]
roll_nom	72.928434481124	Nominal Roll [deg]
revision	6	Processing version of data
ontime	5136.4000765085	Sum of GTIs [s]
livetime	4658.4437479671	Livetime [s]
ontime7	5136.4000765085	Sum of GTIs [s]
l2events	3118	Number of level 2 events



2 OBI

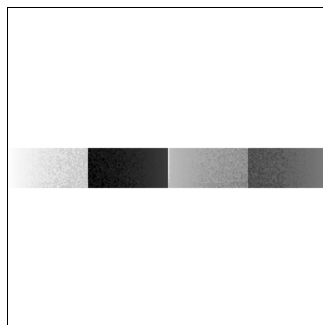
2.1 OBI

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	5136.4000765085	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5136.4000765085	Sum of GTIs [s]
date	2020-10-06T22:49:01	Date and time of file creation	l1events	8346	Number of level 1 events
revision	6	Processing version of data			

2.1.4 Events

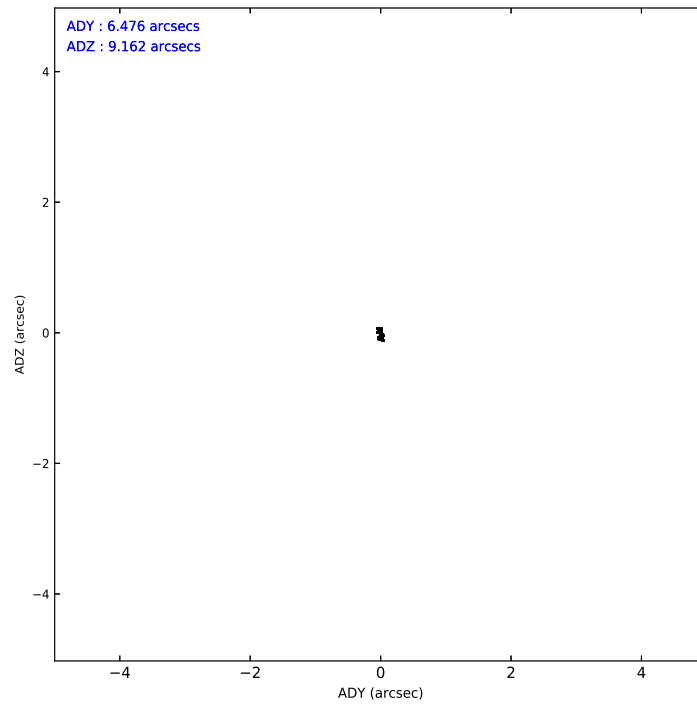
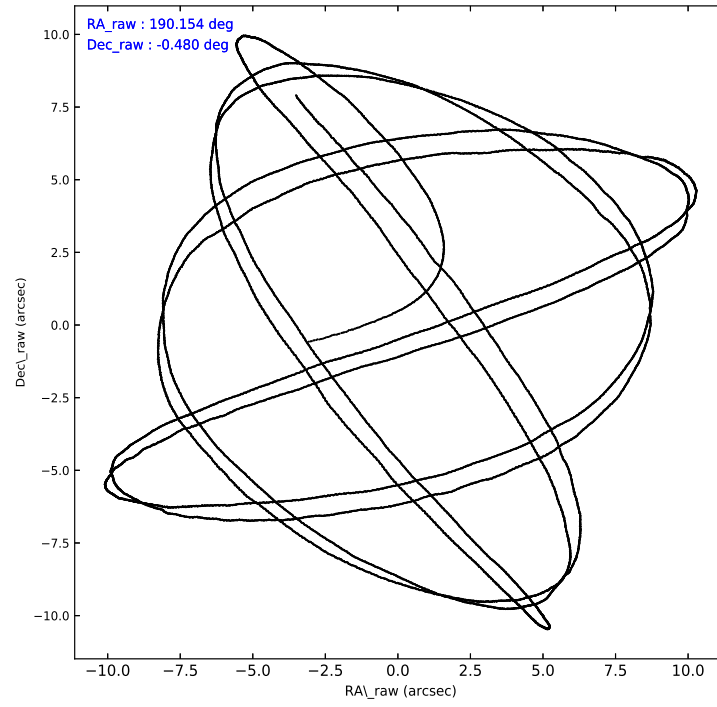
	ccd 7
level 1 events	8346
rejected events	5114
rejected %	61%

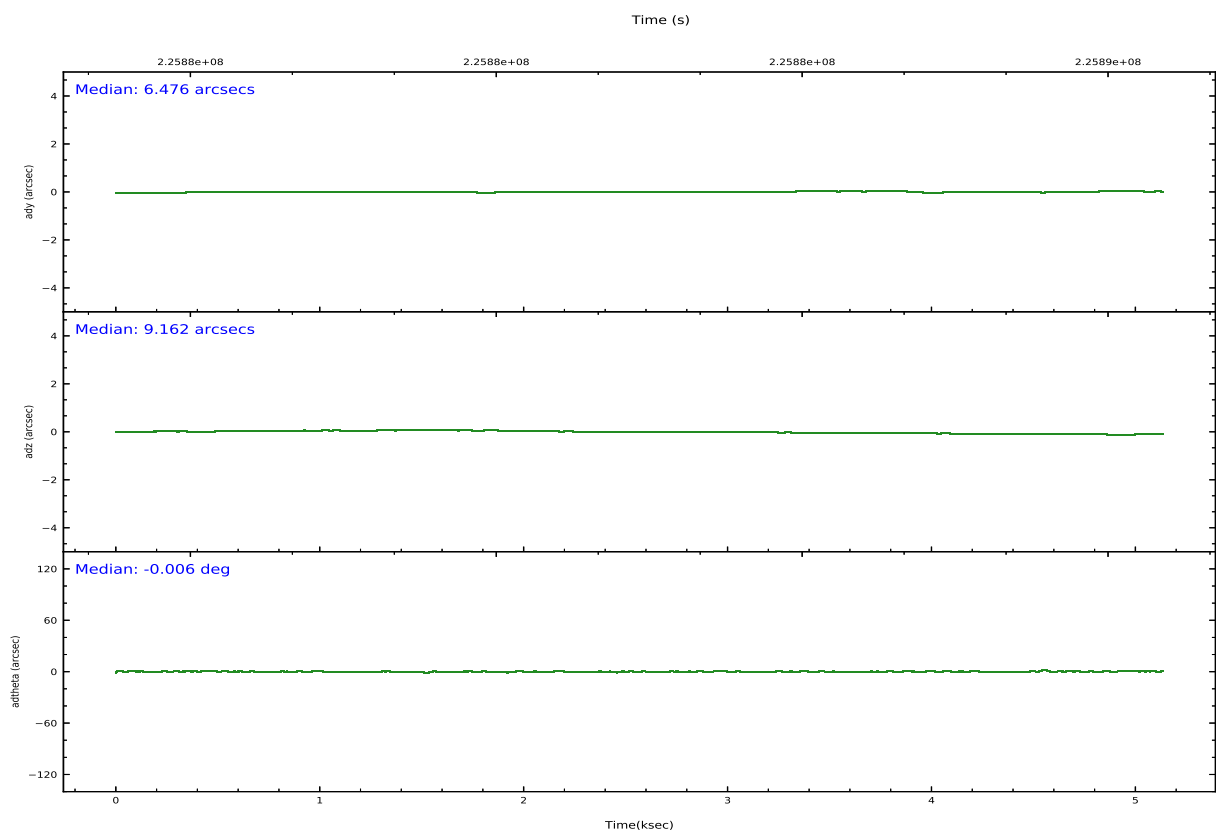
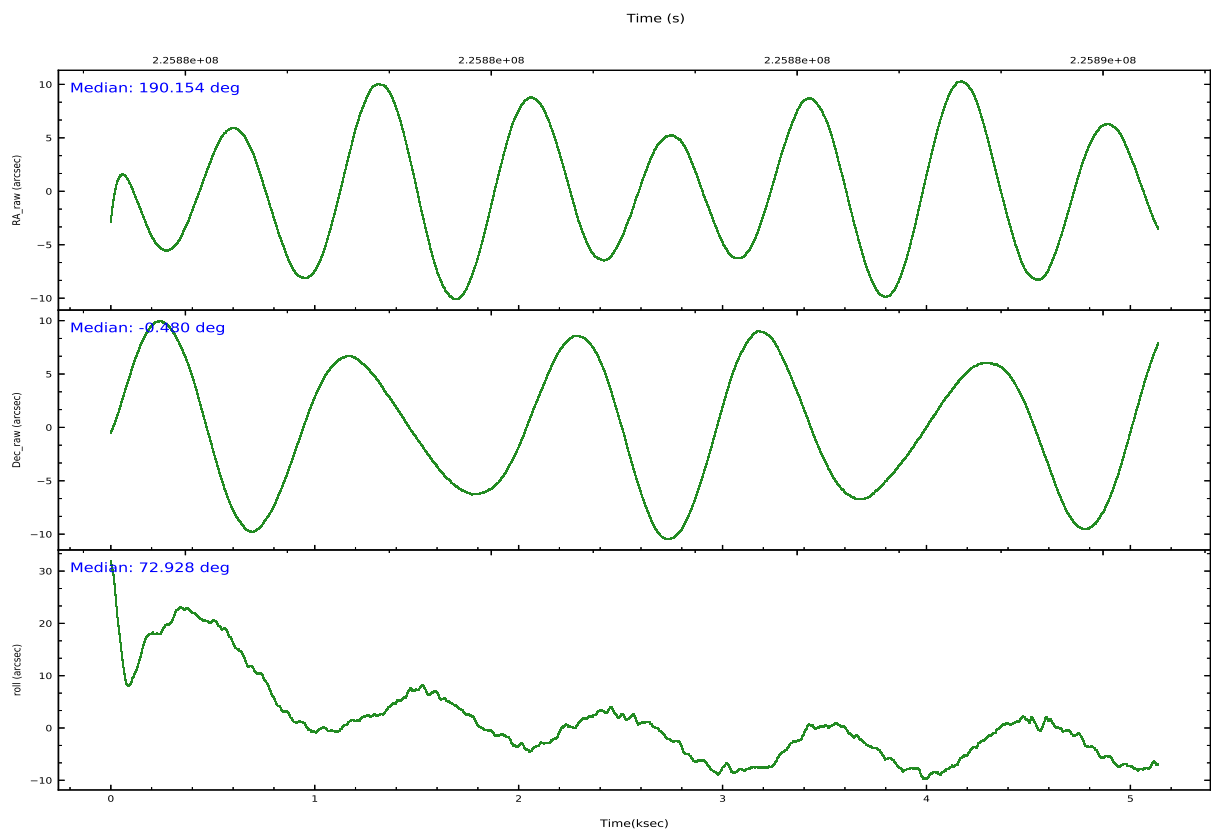
	ccd 7
grade 0 events	441
	5%
grade 1 events	17
	0%
grade 2 events	703
	8%
grade 3 events	504
	6%
grade 4 events	461
	5%
grade 5 events	747
	8%
grade 6 events	1790
	21%
grade 7 events	3683
	44%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	190.160042	190.15551063105	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-0.506575	-0.48266578591875	Subarray start row	449	449
[deg] Pointing Roll	72.778741	72.928434481124	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)	225881271.184000	225880165.89837			
Observation start date	2005-02-27T08:46:47	2005-02-27T08:29:25			
[s] Observation end time (MET)	225886271.184000	225887033.91118			
Observation end date	2005-02-27T10:10:07	2005-02-27T10:23:53			
Read mode	TIMED	TIMED			

2.3 Aspect



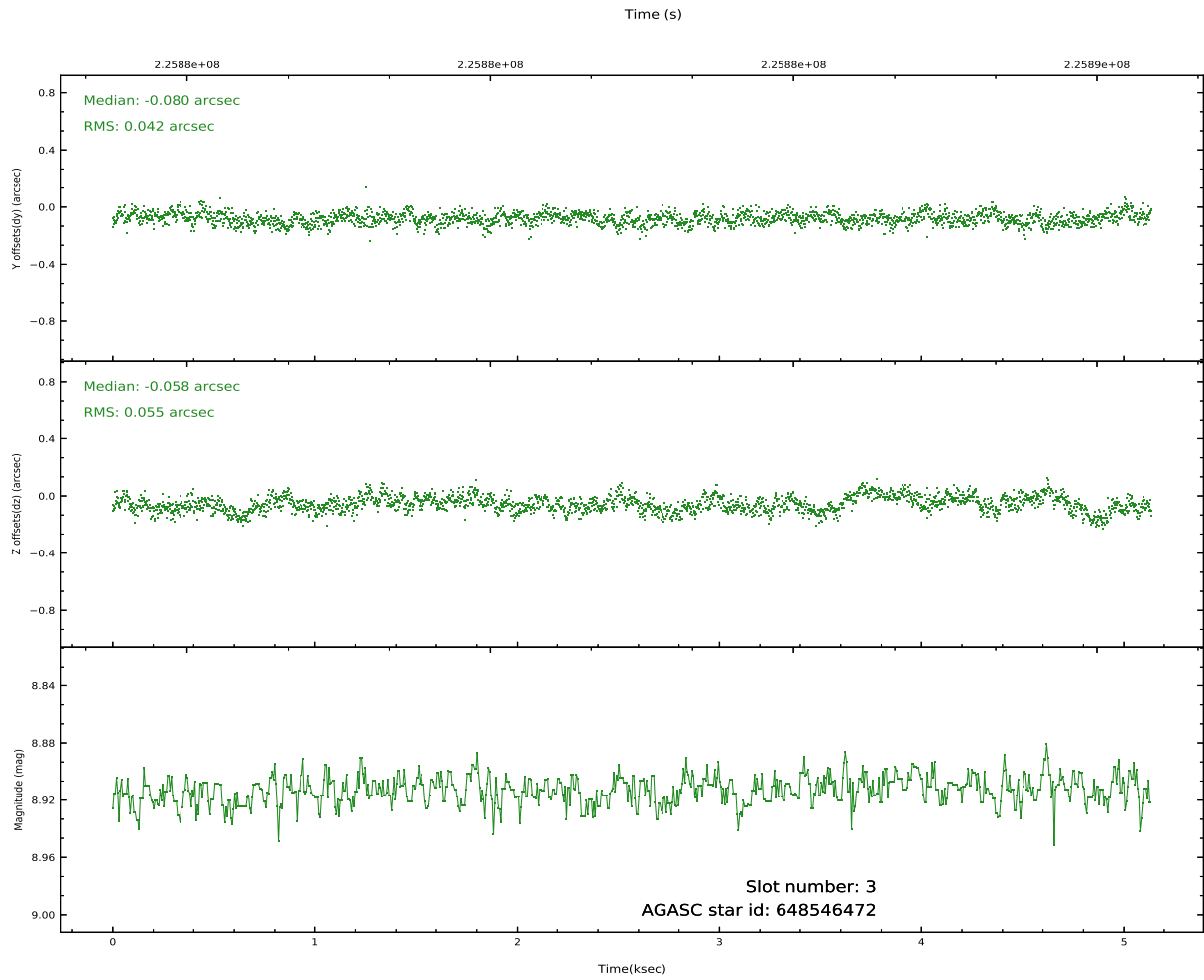
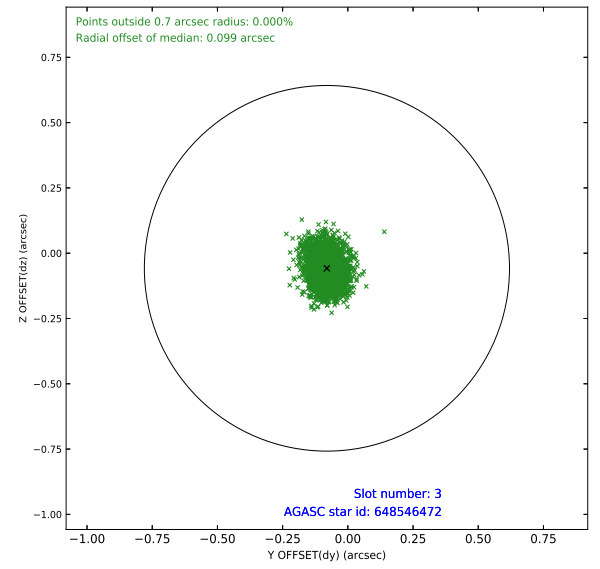
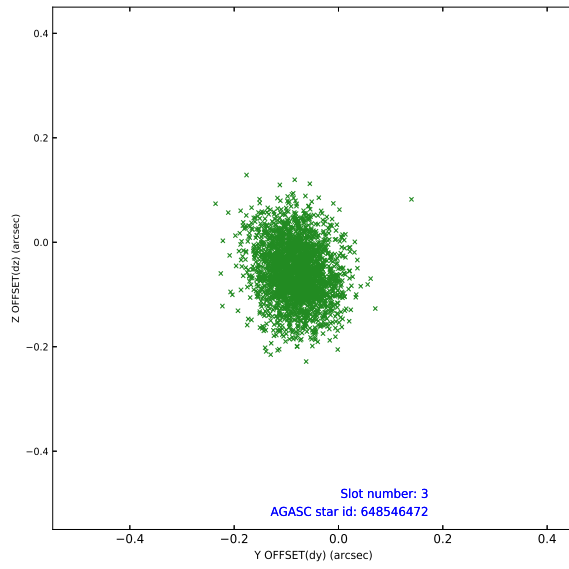


Slot Statistics

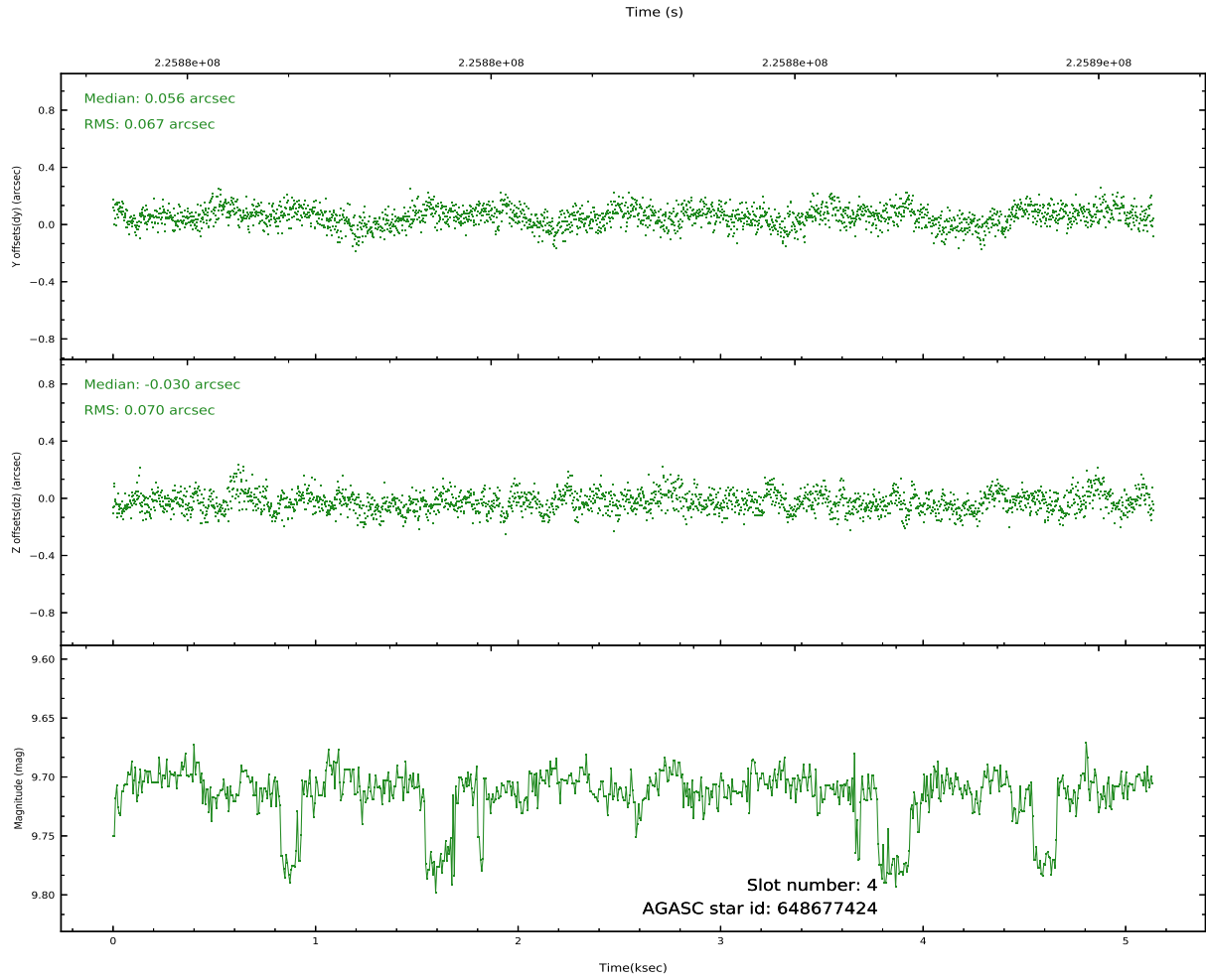
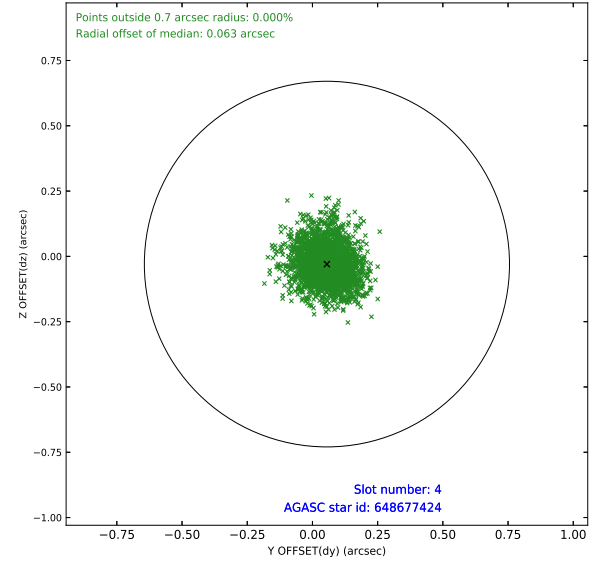
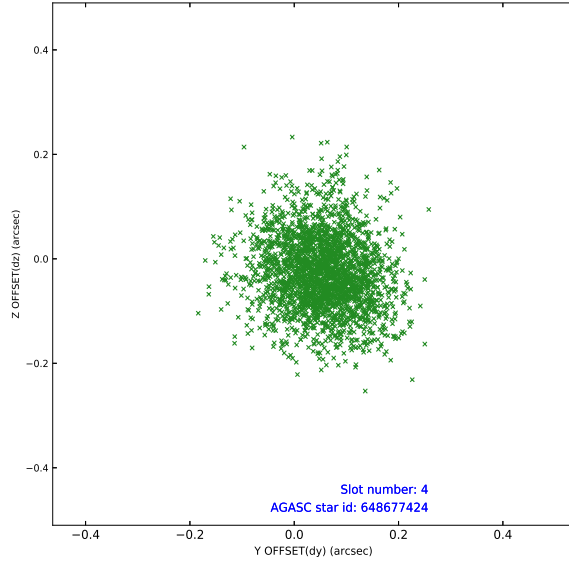
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1253	1.000	0.010	-0.045	0.007	0.011	0.000000	0.000000	936.84	-1725
1	FID		ACIS-S-4	7.21	1253	1.000	0.100	0.030	0.007	0.011	0.000000	0.000000	2154.98	177
2	FID		ACIS-S-5	7.23	1253	1.000	-0.137	0.027	0.006	0.012	0.000000	0.000000	-1810.67	171
3	GUIDE	used	648546472	8.91	2507	1.000	-0.080	-0.058	0.073	0.121	189.852690	-0.296096	395.92	1281
4	GUIDE	used	648677424	9.71	2506	1.000	0.056	-0.030	0.102	0.172	190.000454	-0.529348	-248.12	524
5	GUIDE	used	648681160	8.77	2507	1.000	0.100	0.078	0.062	0.101	190.265088	-0.620514	-279.75	-482
6	GUIDE	used	648682856	8.15	2504	1.000	-0.073	0.005	0.059	0.096	190.573610	-0.307955	1124.07	-1210
7	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0

2.4 Star Slots

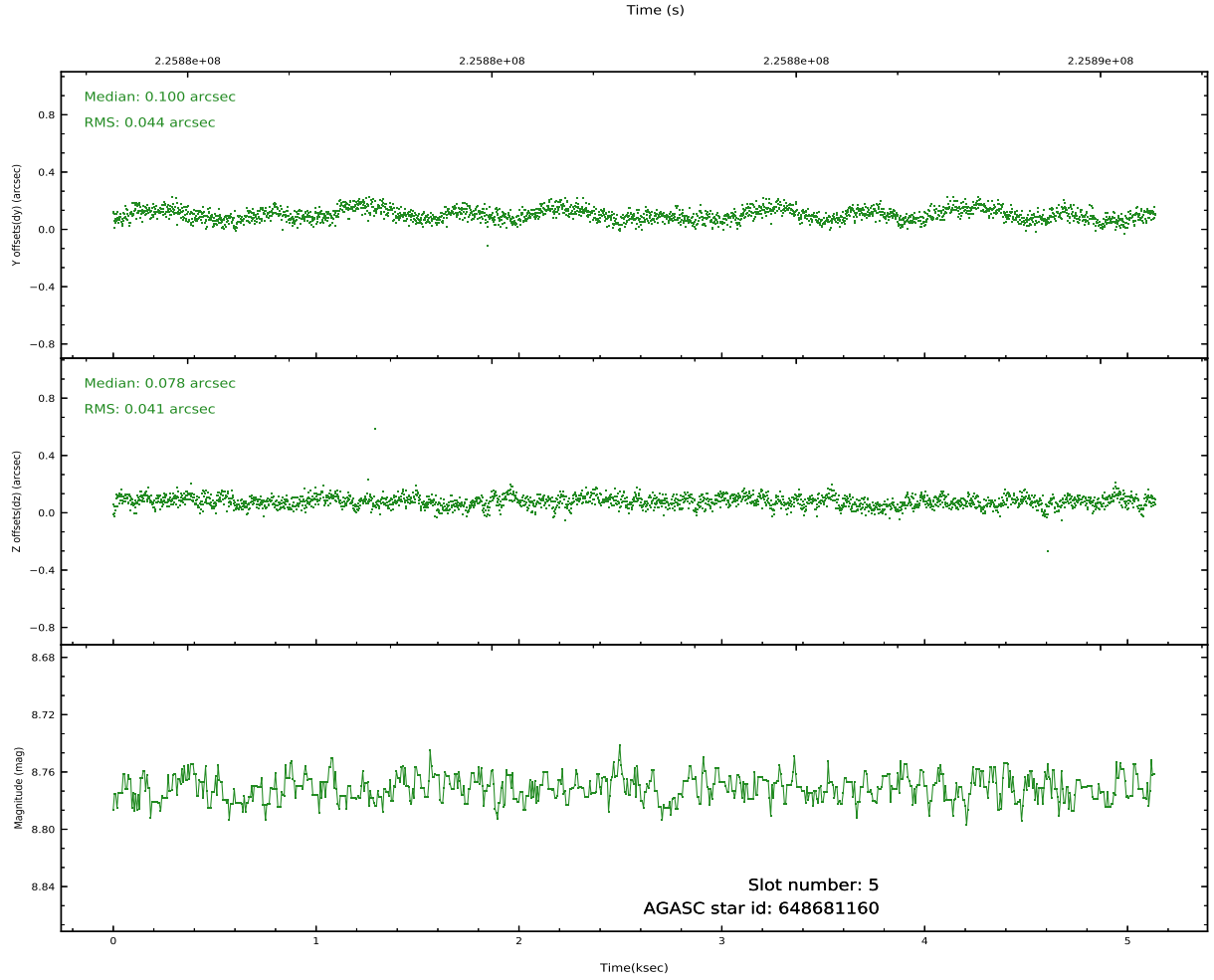
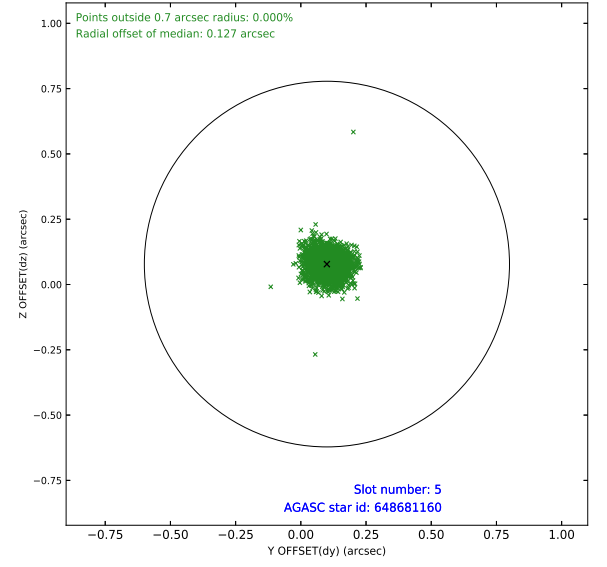
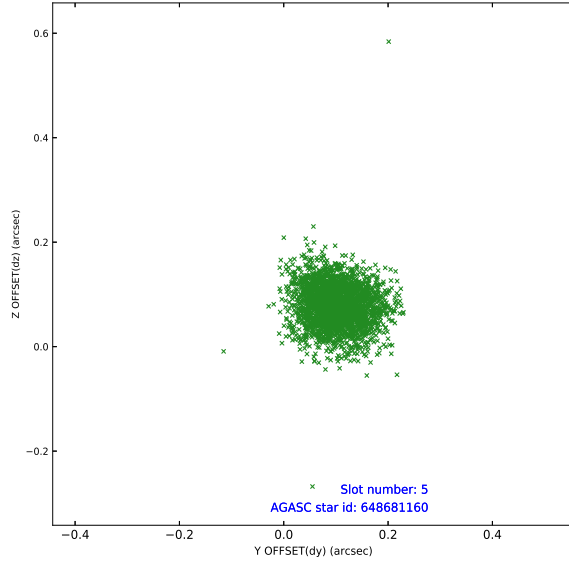
2.4.1 Slot 3



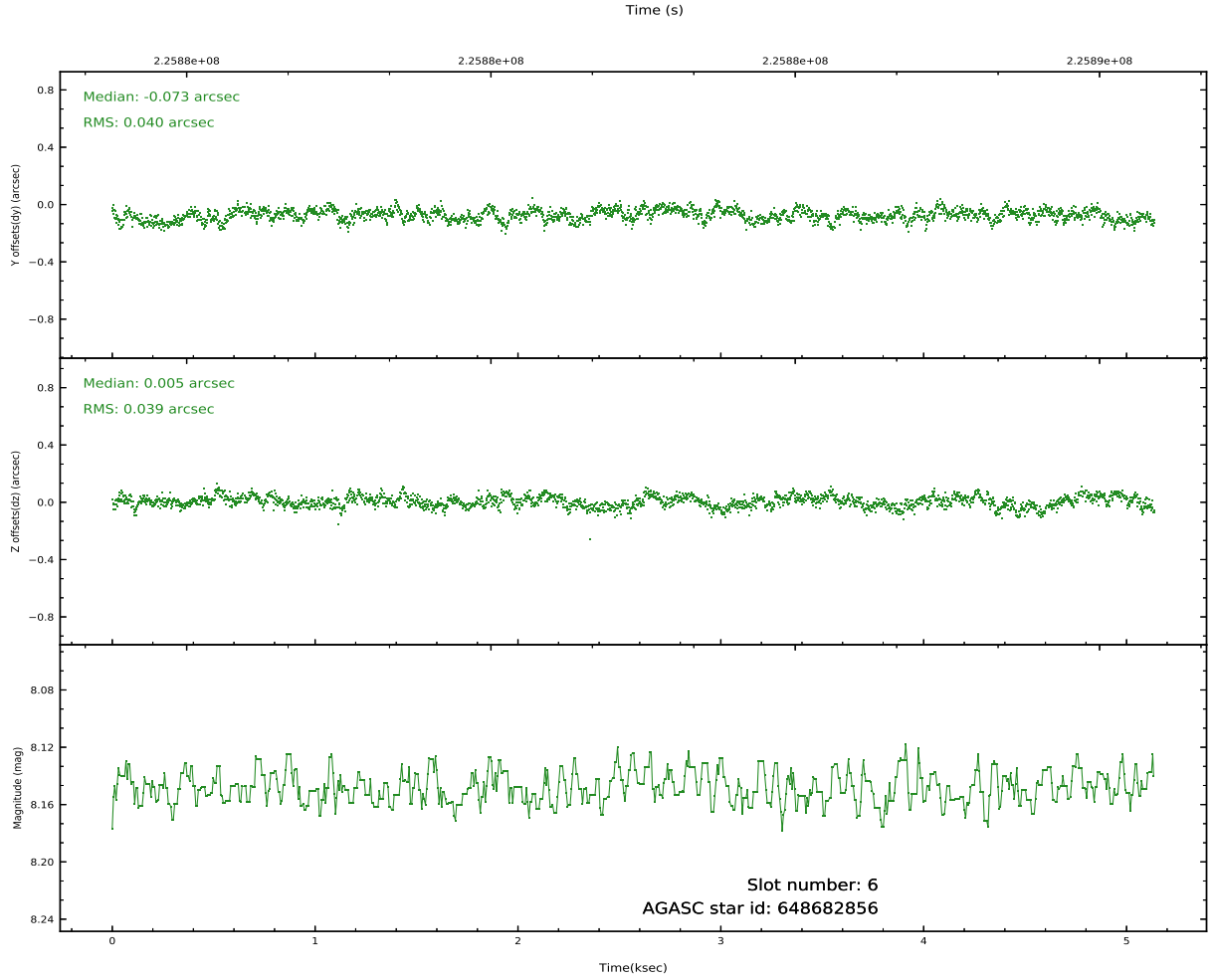
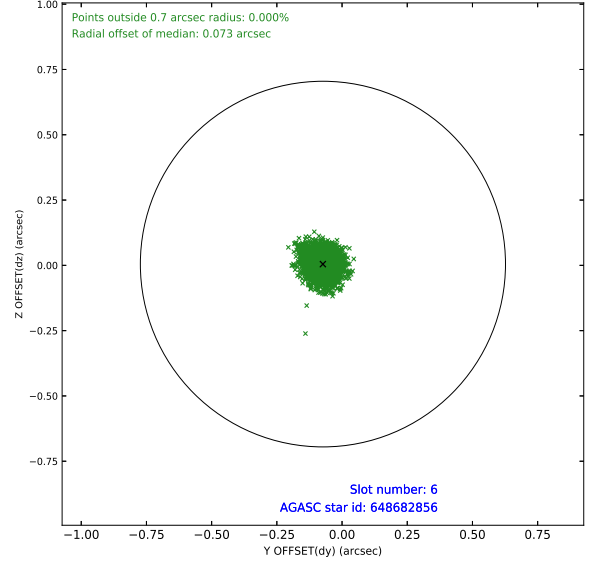
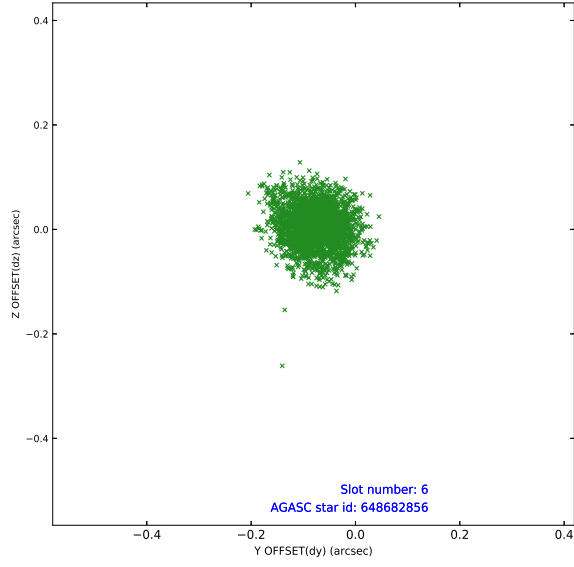
2.4.2 Slot 4



2.4.3 Slot 5

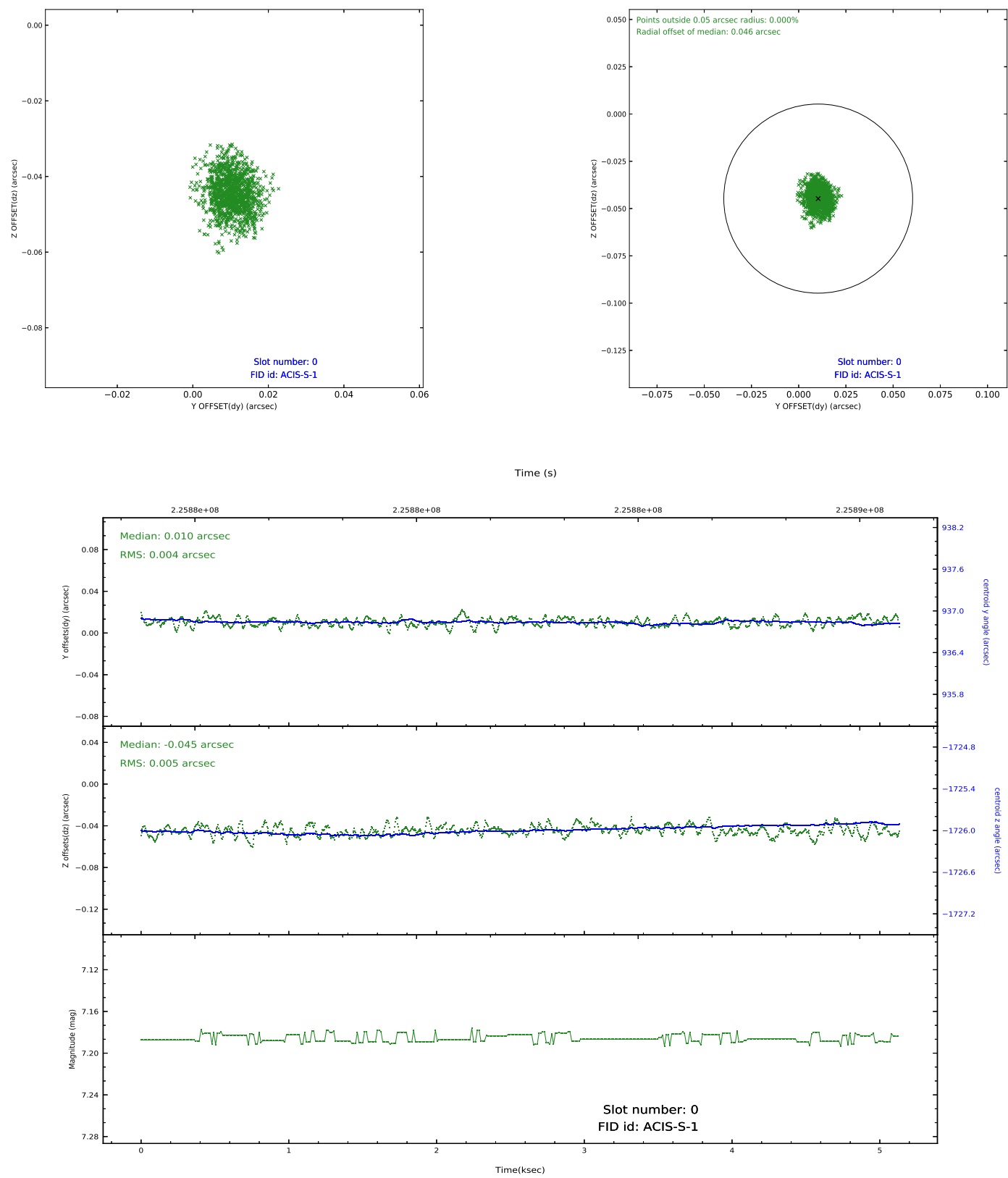


2.4.4 Slot 6

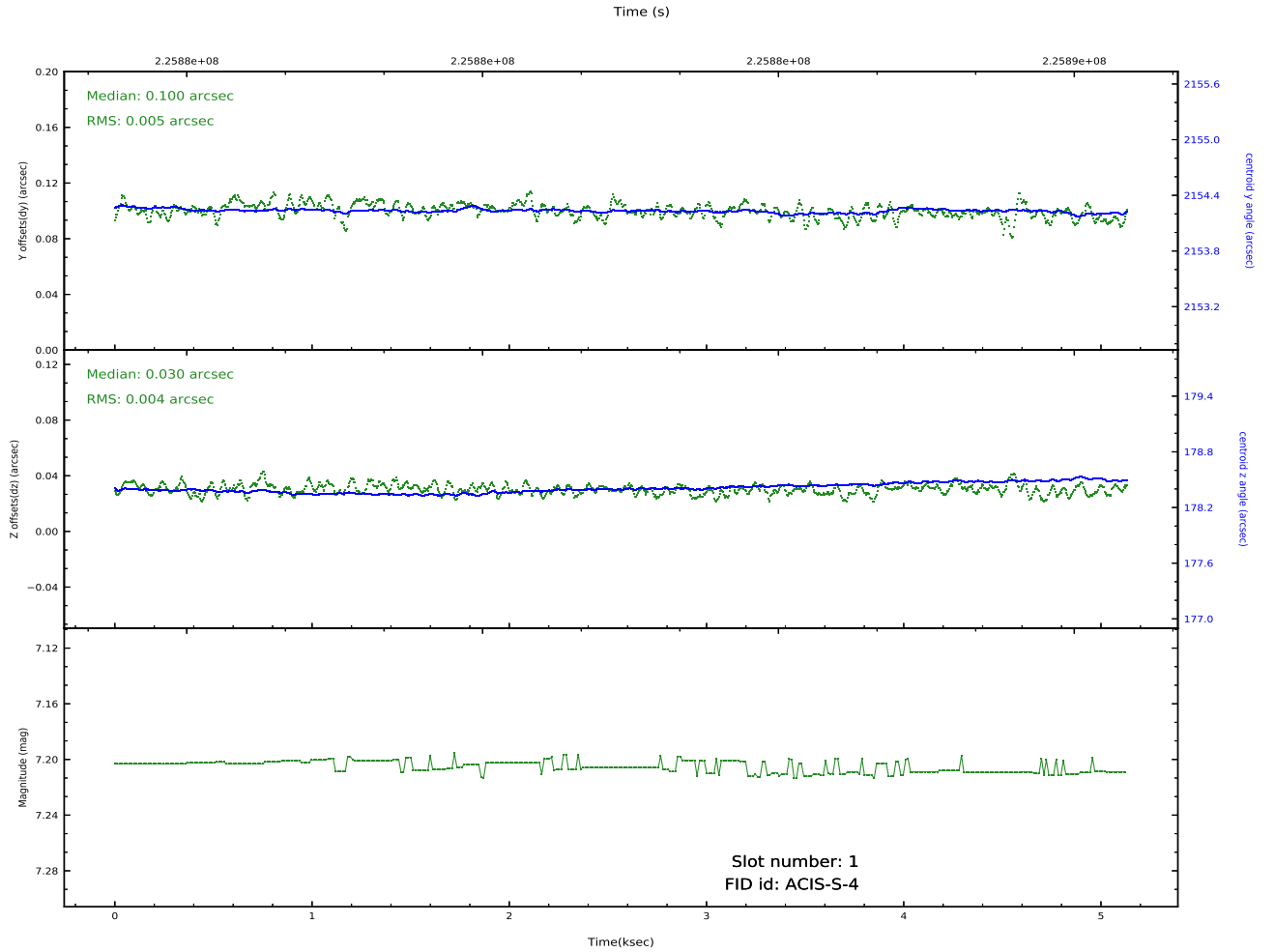
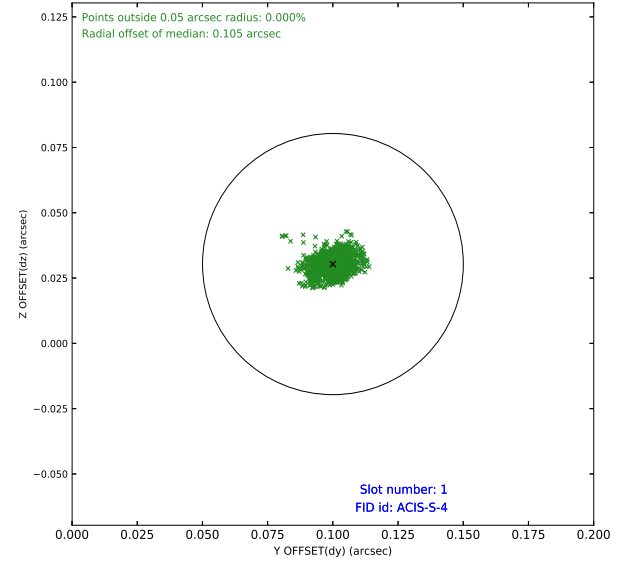
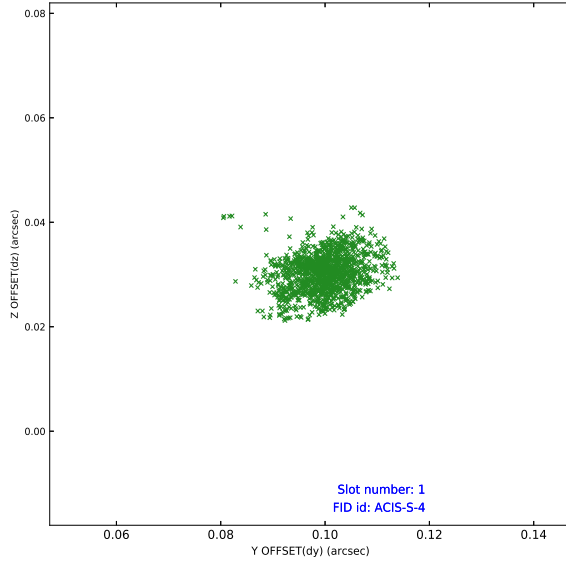


2.5 FID Slots

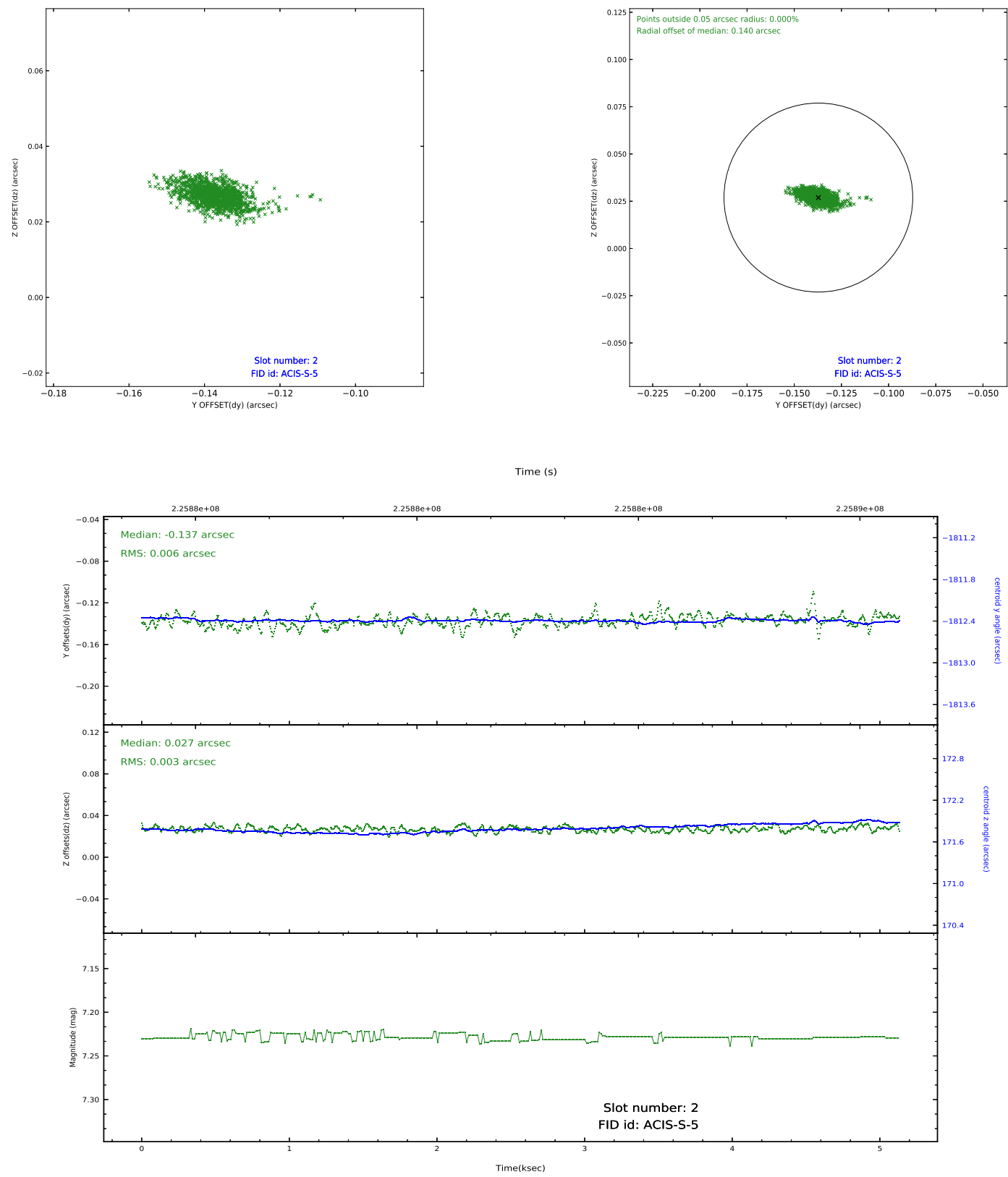
2.5.1 Slot 0



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	5.1364

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.