

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5682 - L2 Version 4
Chandra X-Ray Center

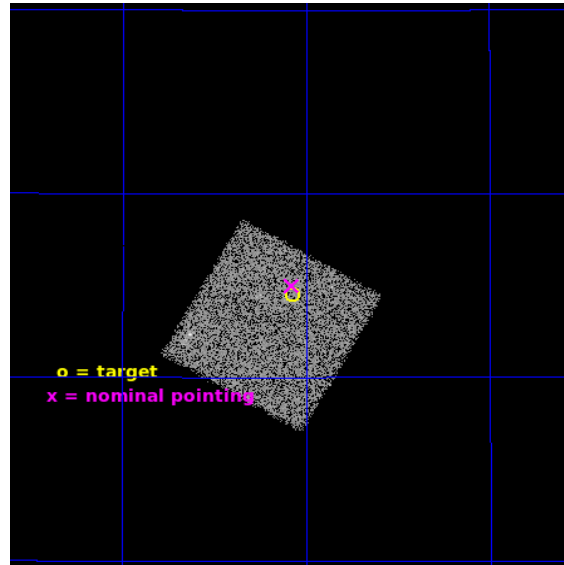
L2 Processing Date : Oct 5 2020

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1 Front

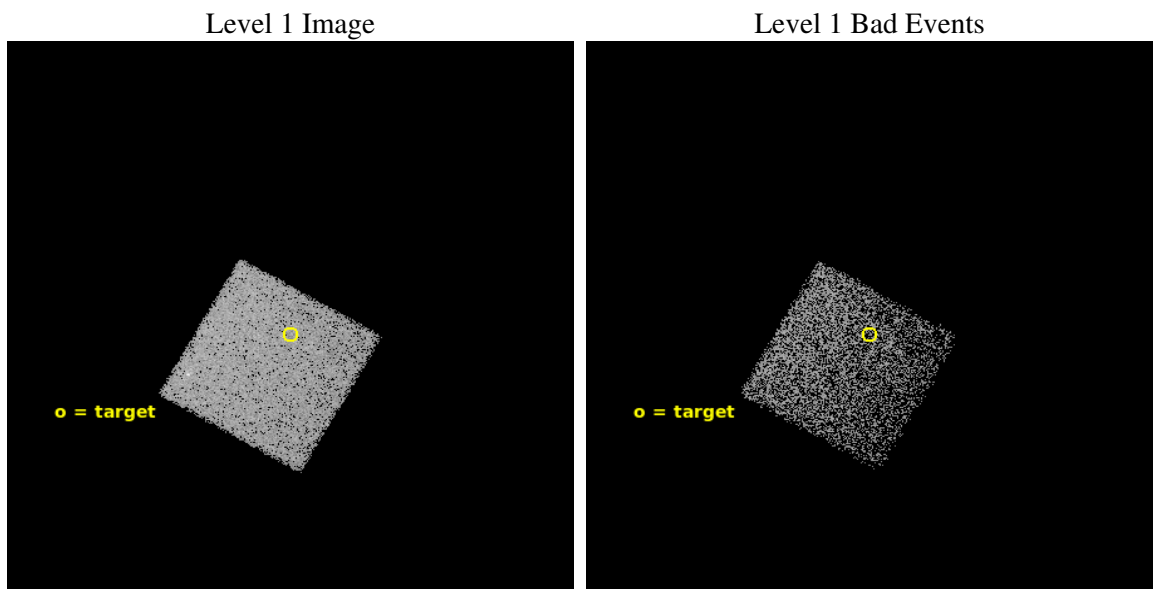
seq_num	701105	Sequence number
obs_id	5682	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0843.0+5014	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.76875	Observer's specified target RA [deg]
dec_targ	50.241389	Observer's specified target Dec [deg]
ra_nom	130.76947729242	Nominal RA [deg]
dec_nom	50.249827906155	Nominal Dec [deg]
roll_nom	119.87227493406	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5084.1088066697	Sum of GTIs [s]
livetime	5019.7307596769	Livetime [s]
ontime7	5084.1088066697	Sum of GTIs [s]
l2events	21624	Number of level 2 events



2 OBI

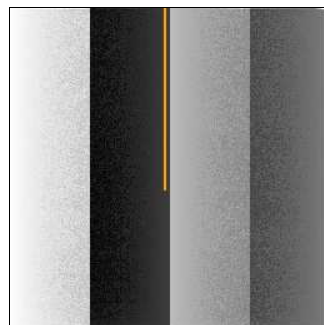
2.1 OBI

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	5084.1088066697	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5084.1088066697	Sum of GTIs [s]
date	2020-10-05T18:44:47	Date and time of file creation	l1events	51859	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

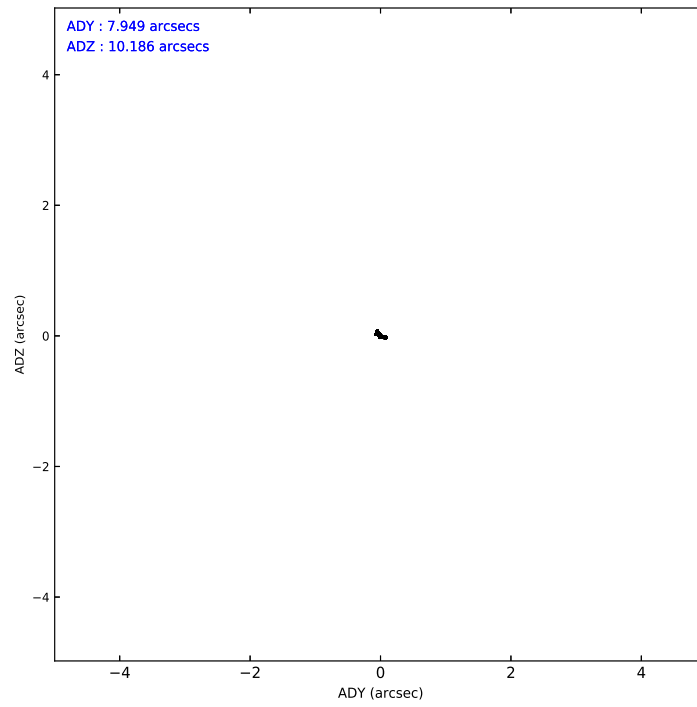
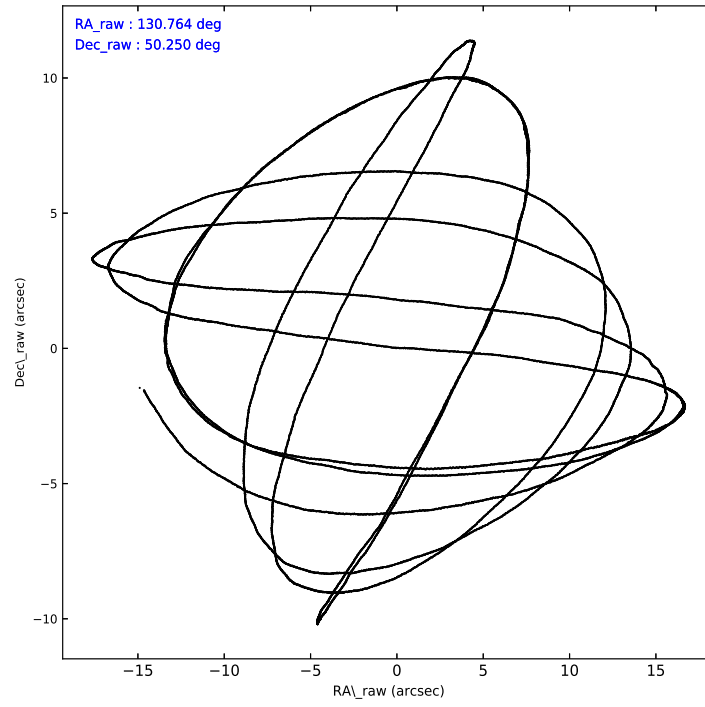
	ccd 7
level 1 events	51859
rejected events	29562
rejected %	57%

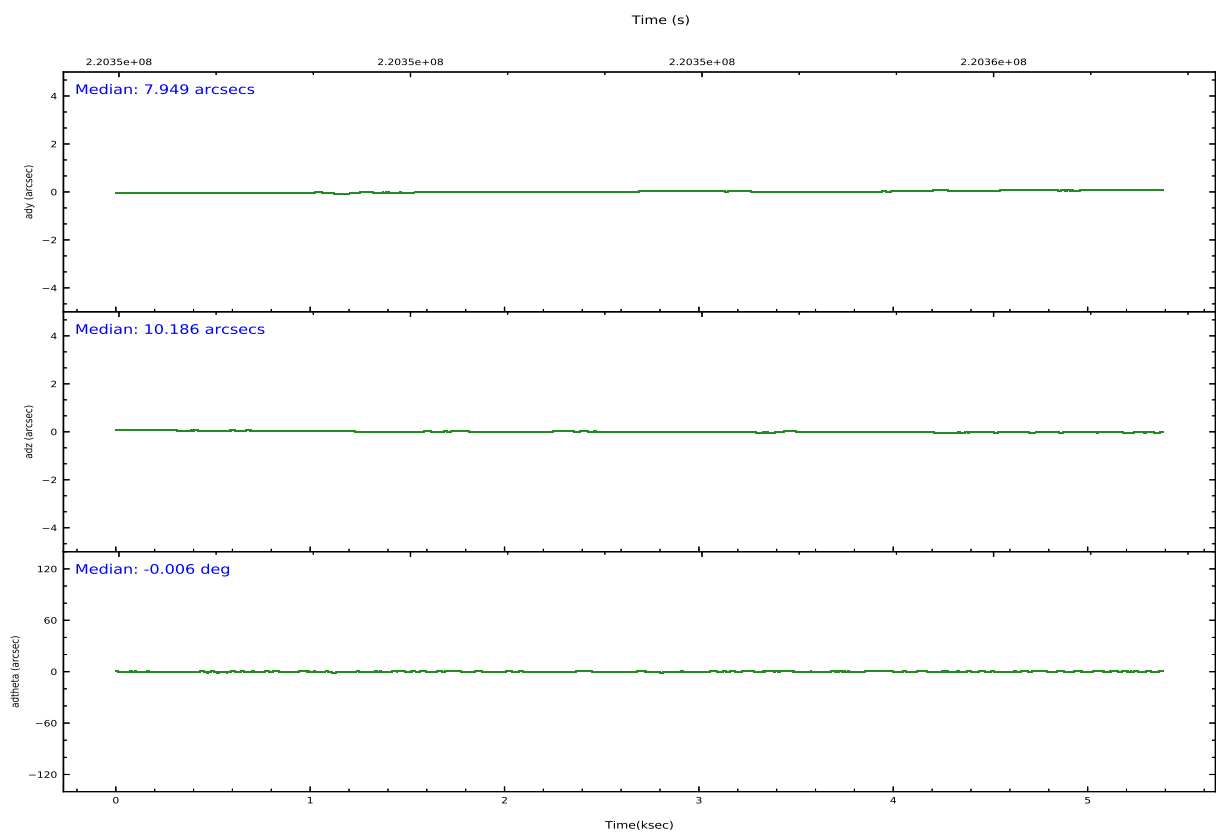
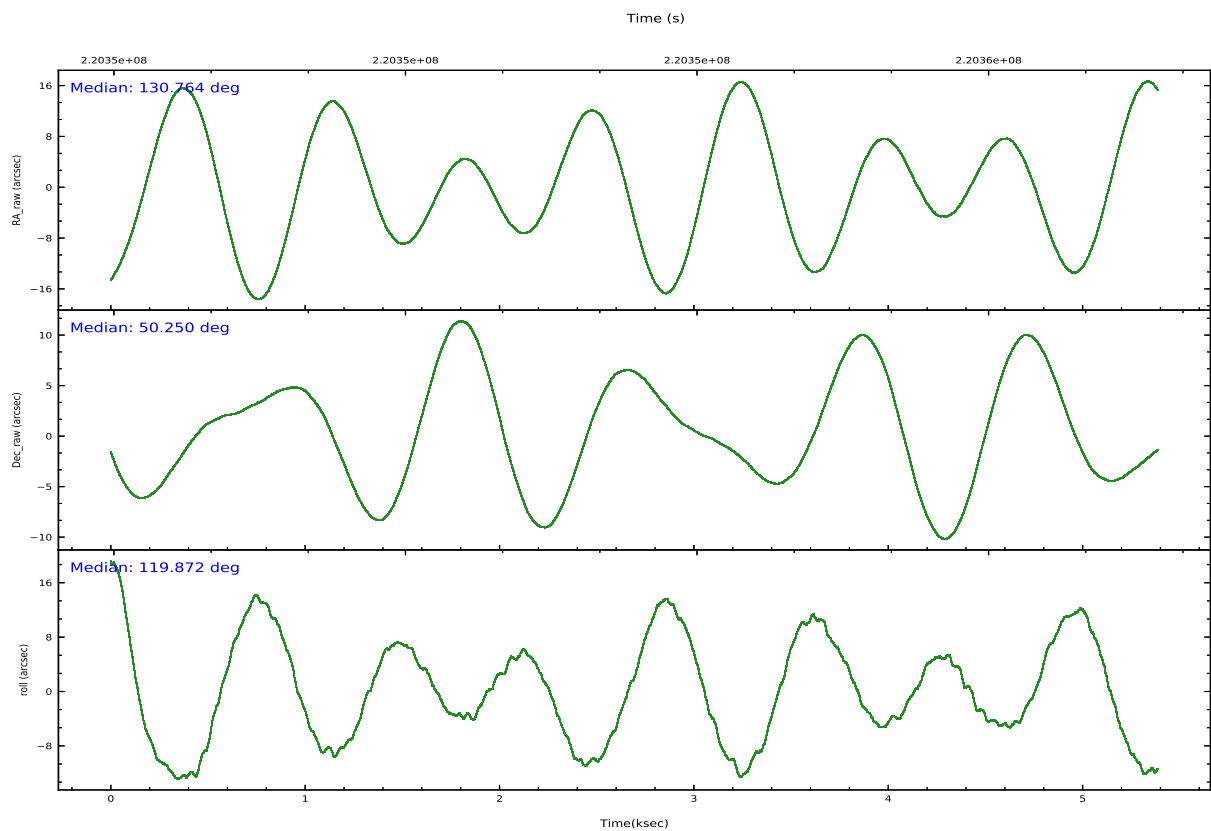
	ccd 7
grade 0 events	2030
	3%
grade 1 events	42
	0%
grade 2 events	4488
	8%
grade 3 events	1982
	3%
grade 4 events	1975
	3%
grade 5 events	5065
	9%
grade 6 events	11840
	22%
grade 7 events	24437
	47%

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	130.800748	130.76947729242	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.237127	50.249827906155	Alternating exposures requested	N	N
[deg] Pointing Roll	119.688049	119.87227493406	[s] Primary exposure time	0.000000	3.2
[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)	220351372.184000	220350565.86113			
Observation start date	2004-12-25T08:41:48	2004-12-25T08:29:25			
[s] Observation end time (MET)	220356372.184000	220356962.88642			
Observation end date	2004-12-25T10:05:08	2004-12-25T10:16:02			
Read mode	TIMED	TIMED			

2.3 Aspect



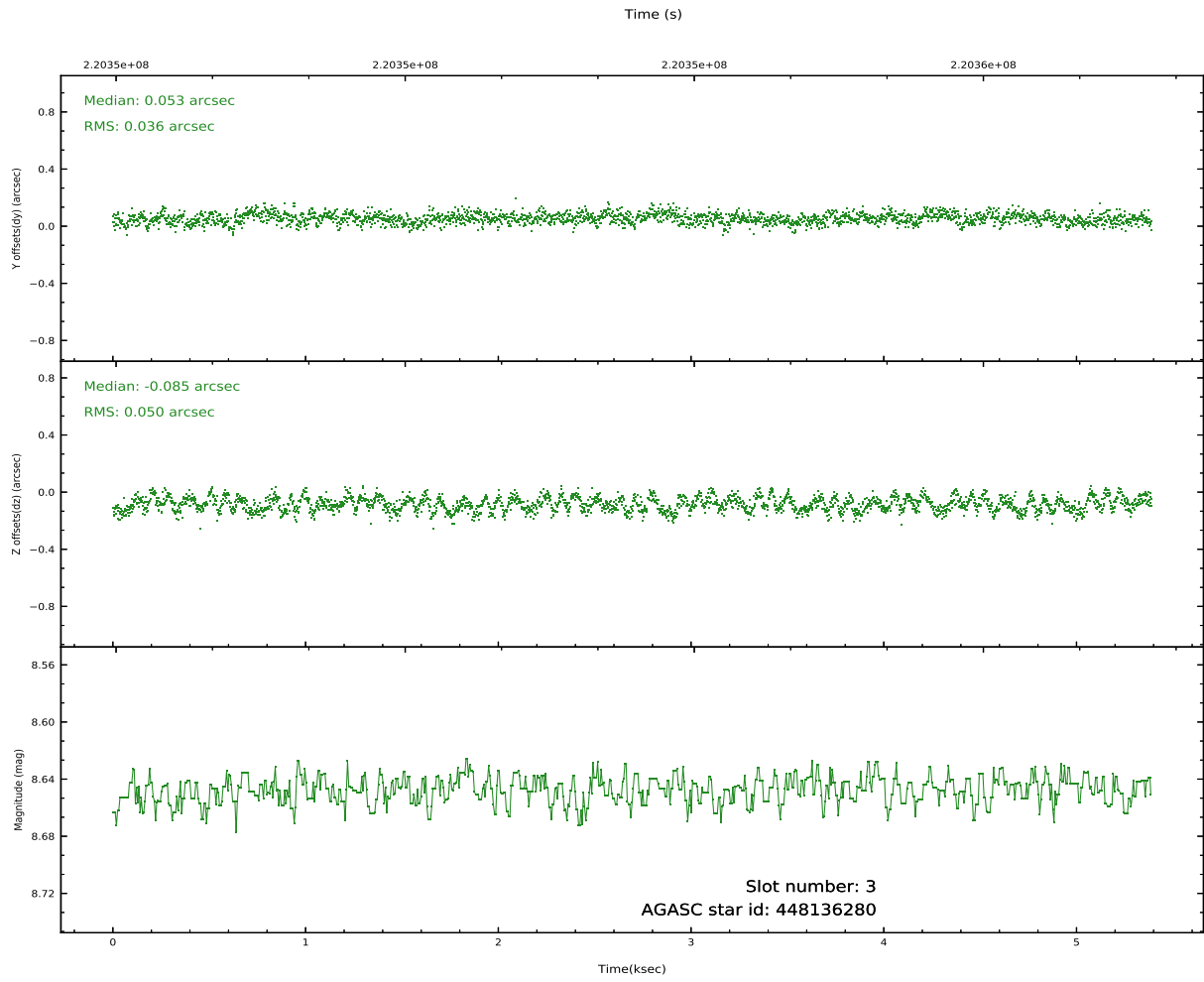
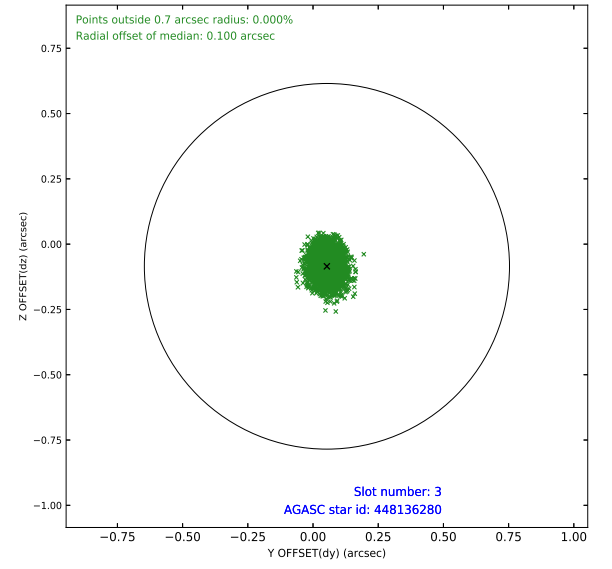
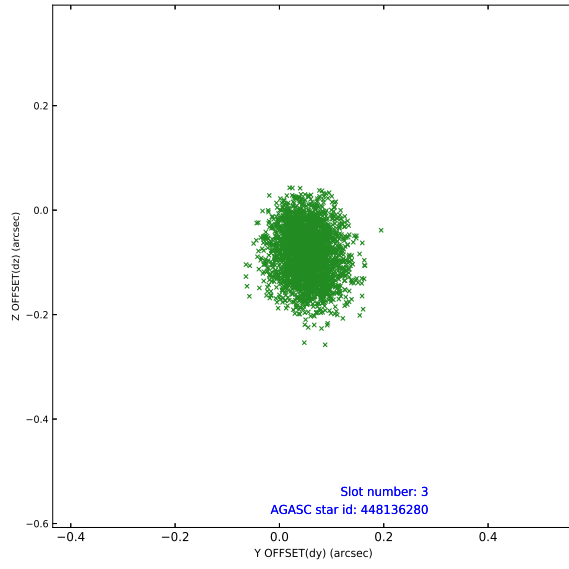


Slot Statistics

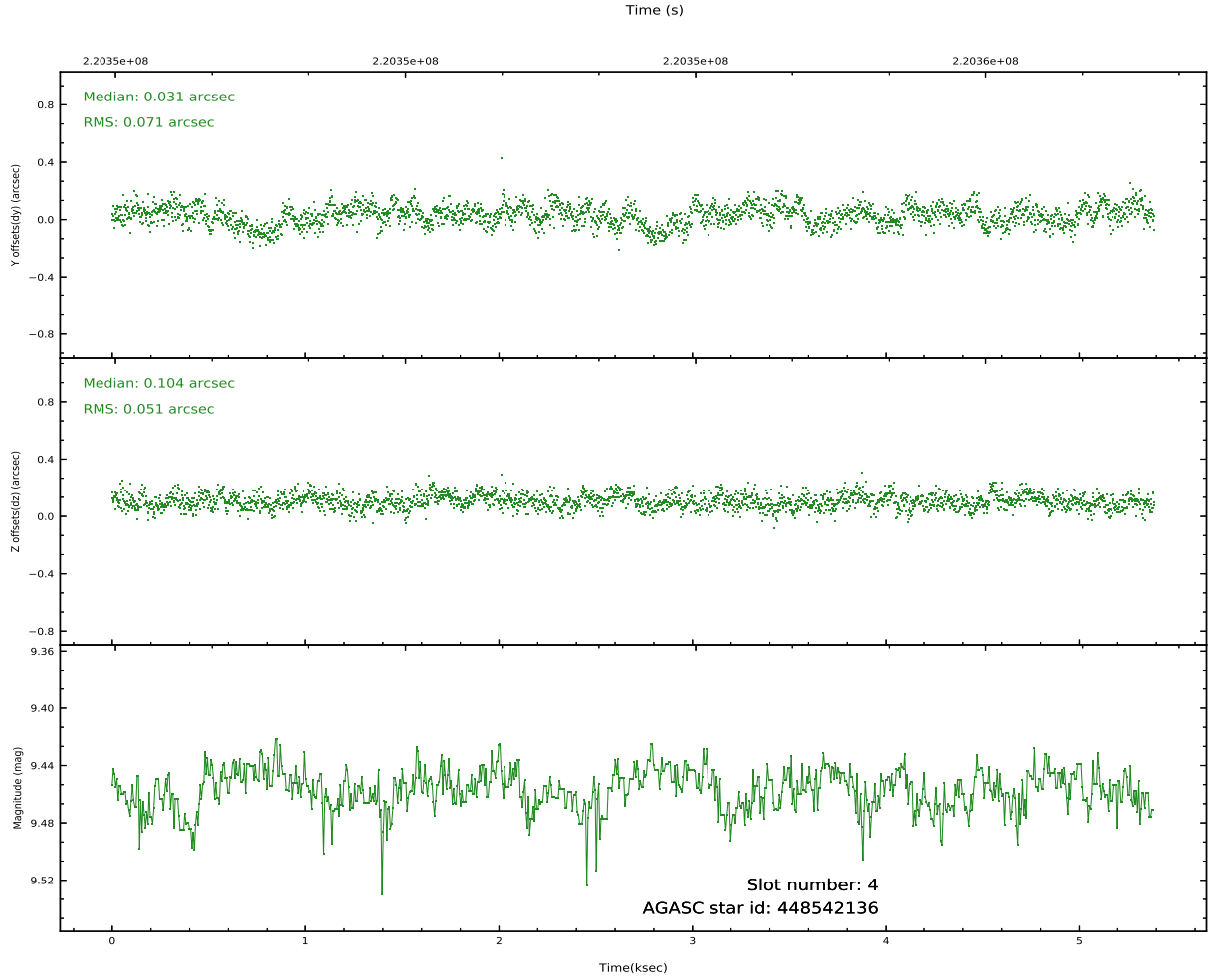
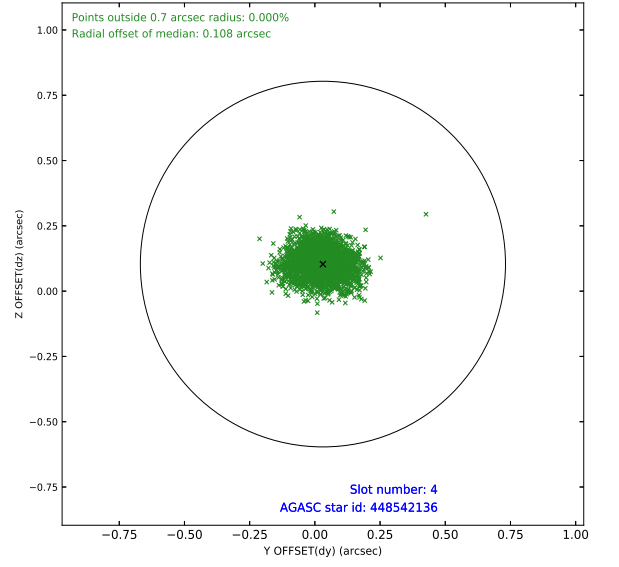
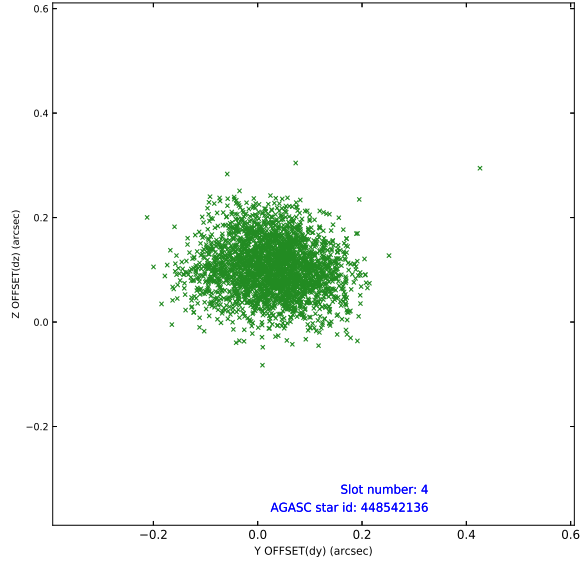
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1315	1.000	-0.072	-0.056	0.007	0.012	0.000000	0.000000	-760.73	-1731
1	FID		ACIS-S-4	7.21	1314	1.000	0.166	0.050	0.006	0.011	0.000000	0.000000	2152.20	176
2	FID		ACIS-S-5	7.23	1315	1.000	-0.125	0.016	0.006	0.011	0.000000	0.000000	-1812.27	170
3	GUIDE	used	448136280	8.65	2630	1.000	0.053	-0.085	0.066	0.104	130.767172	49.987423	-742.21	512
4	GUIDE	used	448542136	9.46	2629	1.000	0.031	0.104	0.093	0.152	130.394428	50.774076	2139.95	-154
5	GUIDE	used	448542600	9.41	2629	1.000	-0.022	-0.115	0.089	0.143	129.828251	50.287670	1279.77	1845
6	GUIDE	used	448672088	8.98	2627	1.000	-0.140	0.087	0.092	0.145	131.437545	50.827892	1137.10	-2313
7	GUIDE	used	448674328	9.08	2628	1.000	0.080	0.011	0.084	0.139	131.586128	50.022930	-1560.03	-1201

2.4 Star Slots

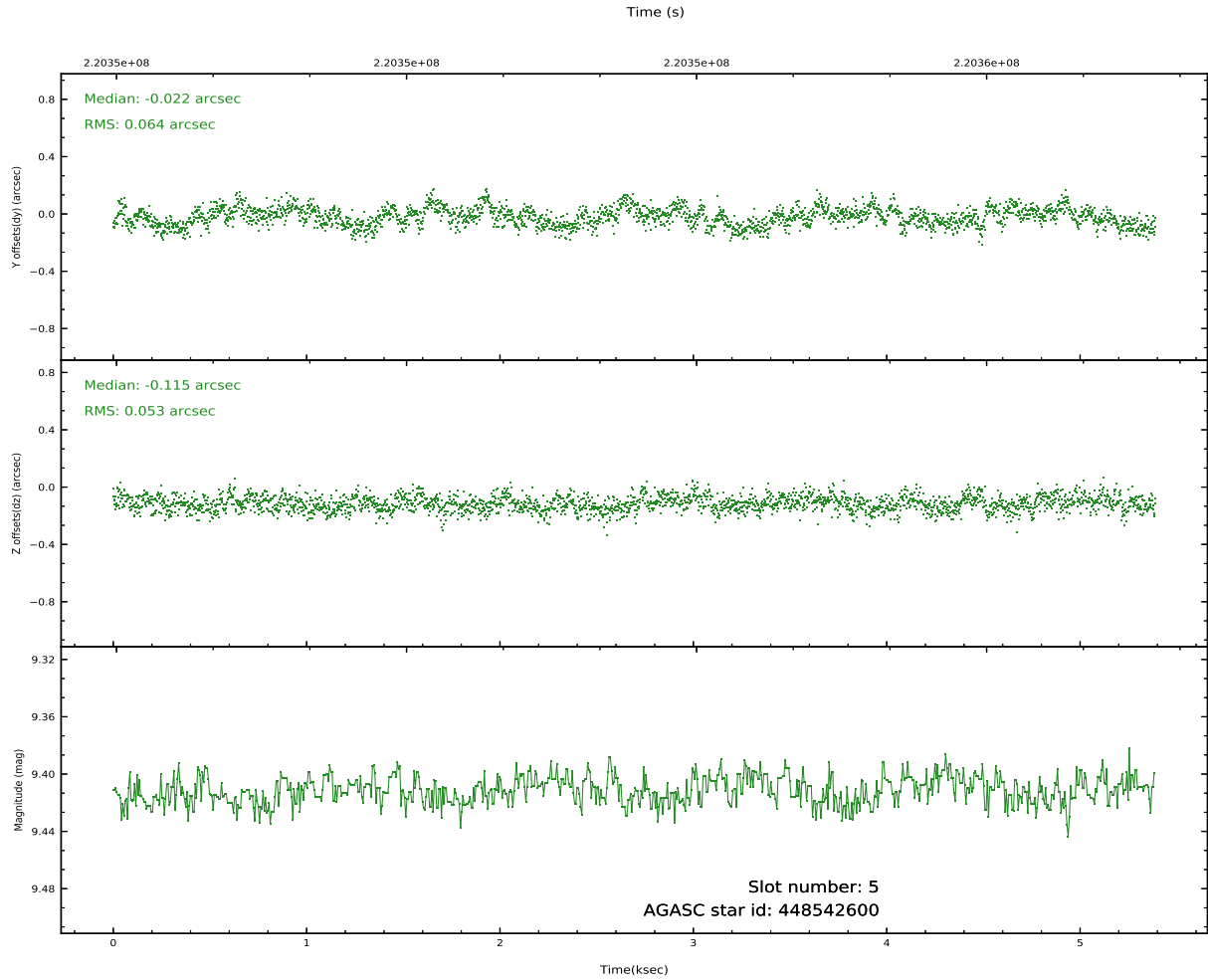
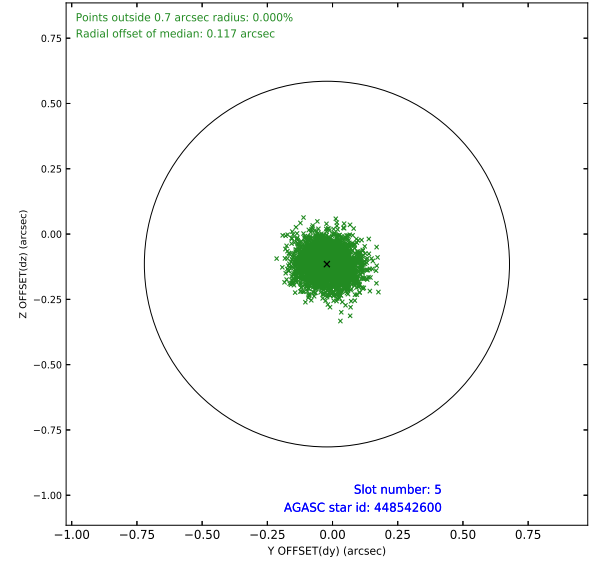
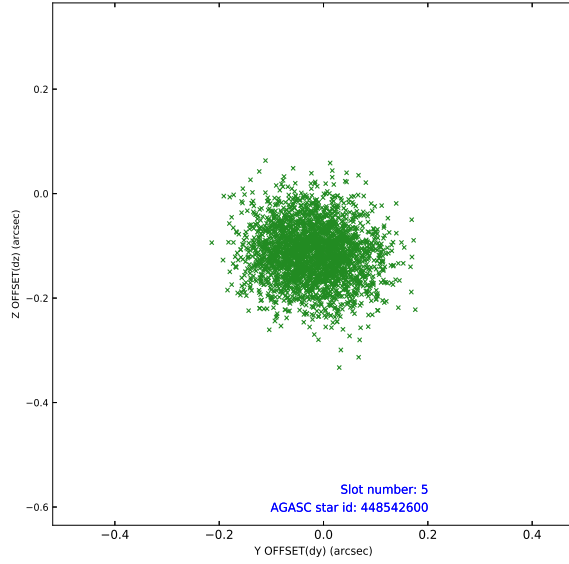
2.4.1 Slot 3



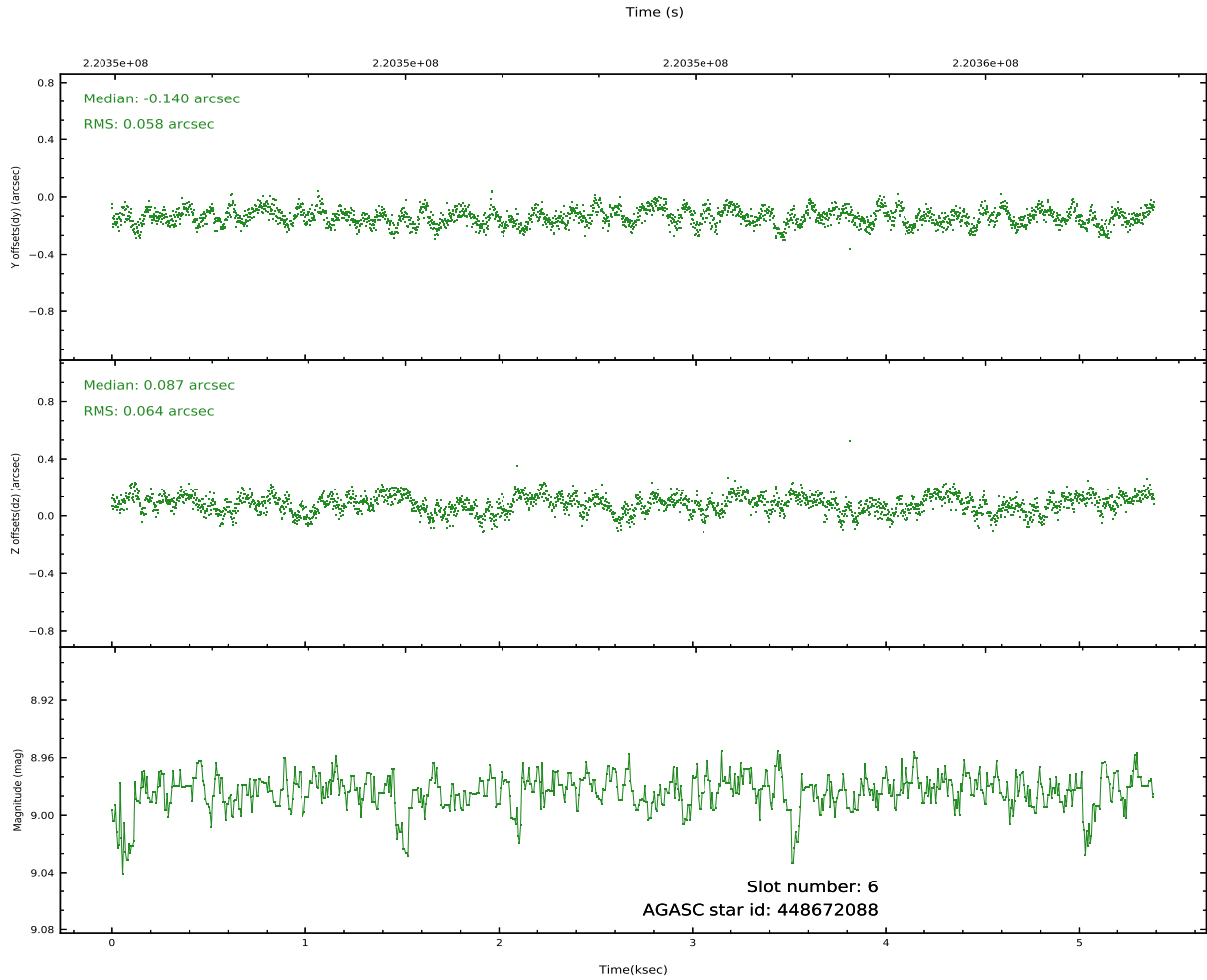
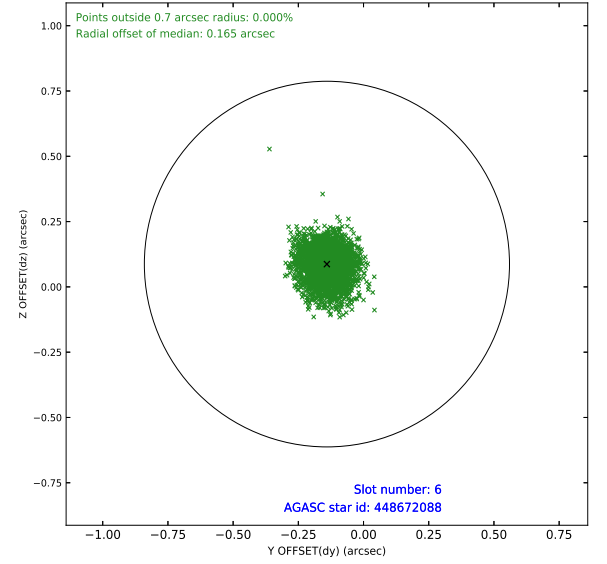
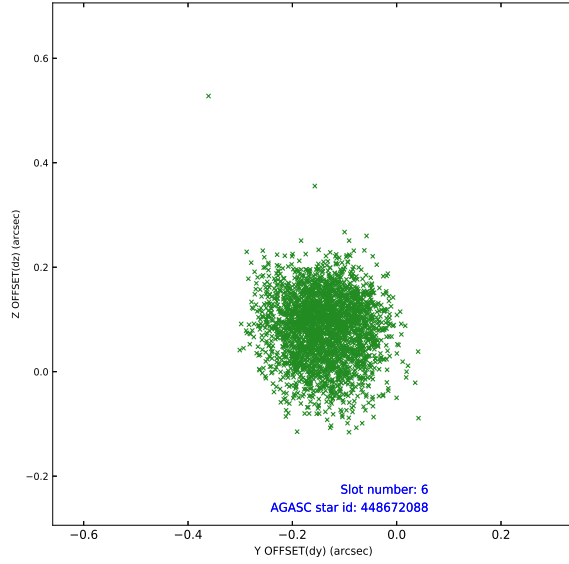
2.4.2 Slot 4



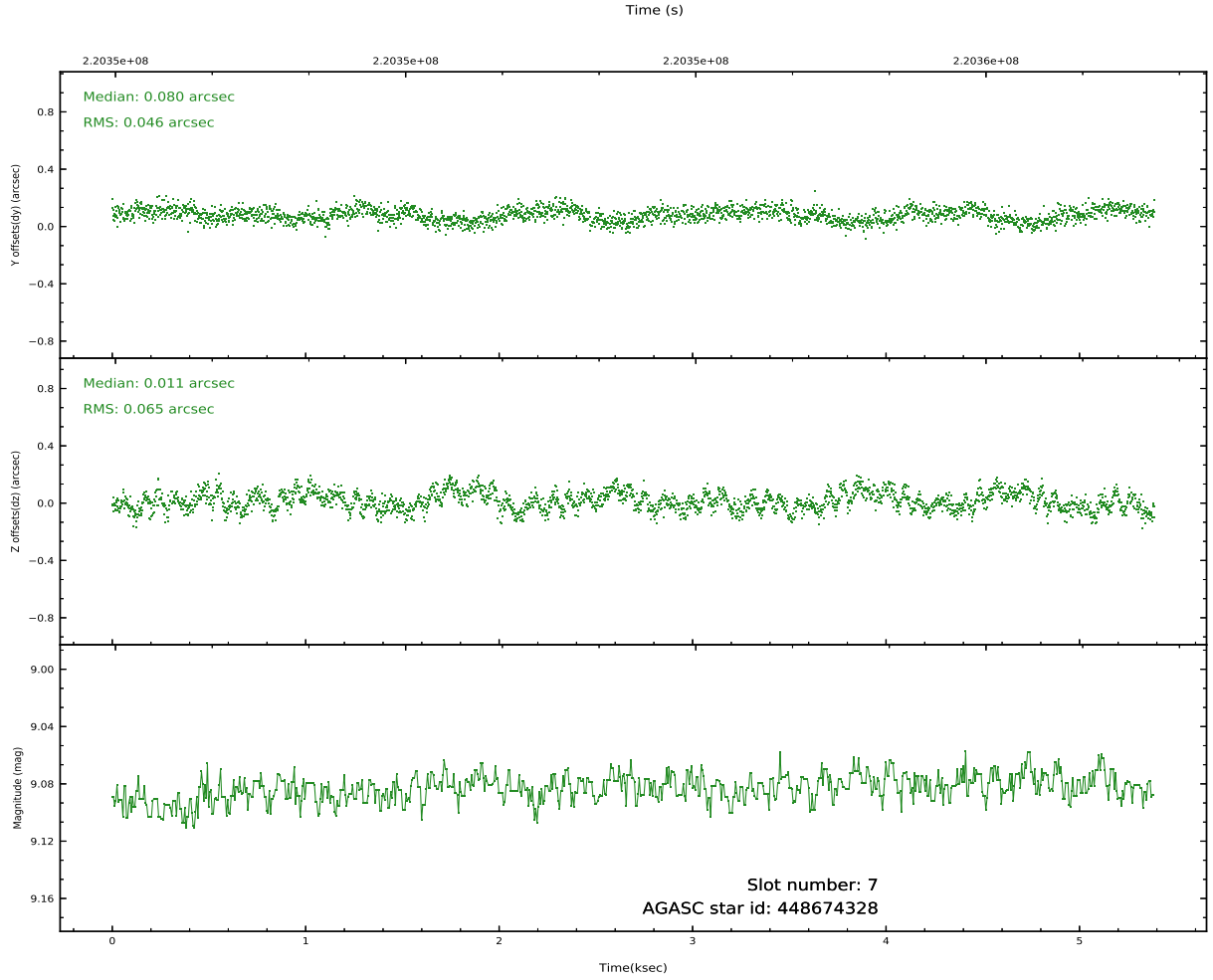
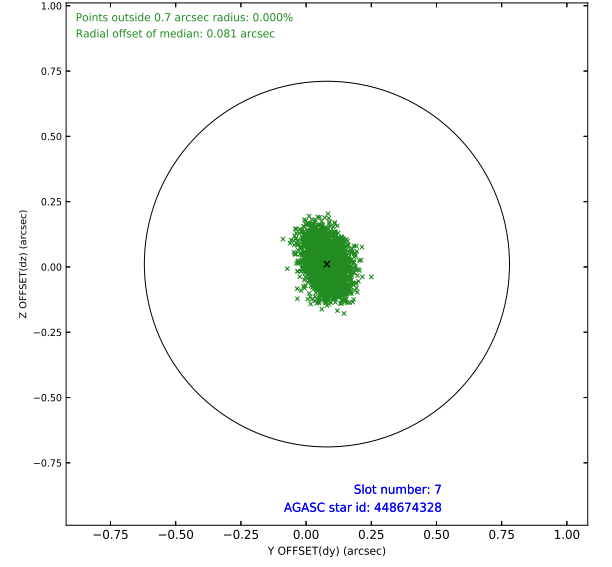
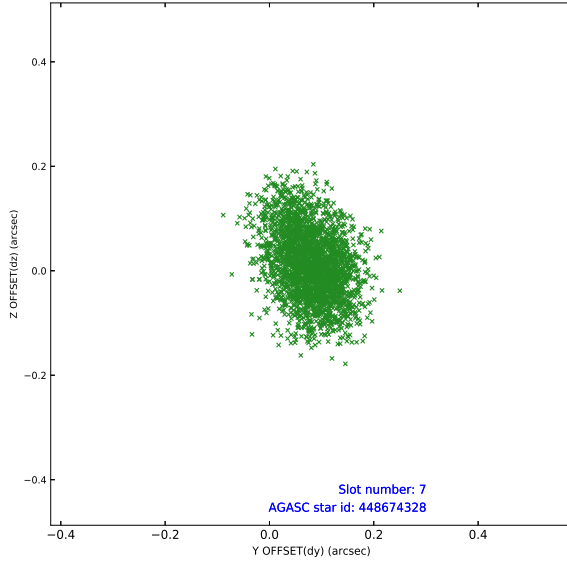
2.4.3 Slot 5



2.4.4 Slot 6

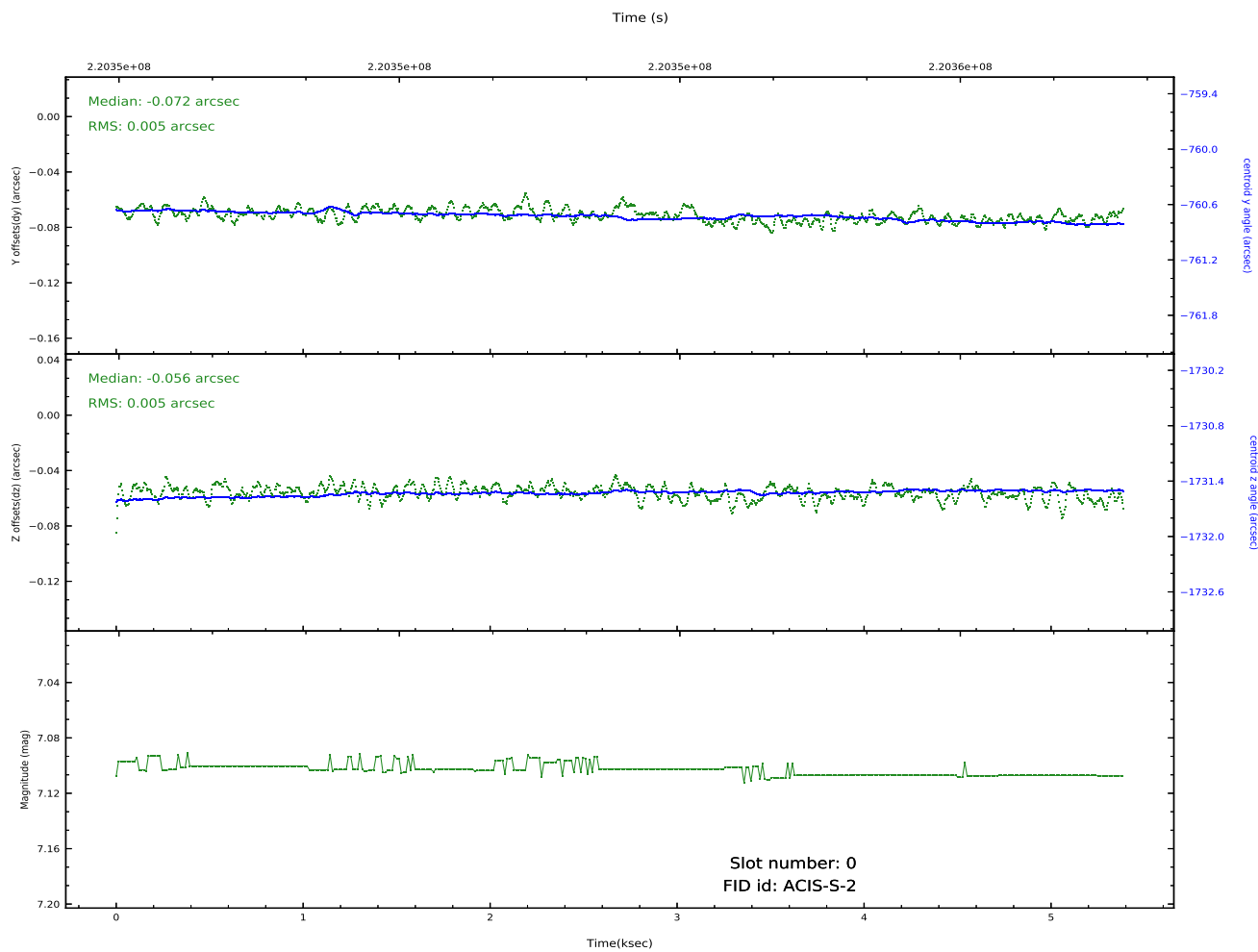
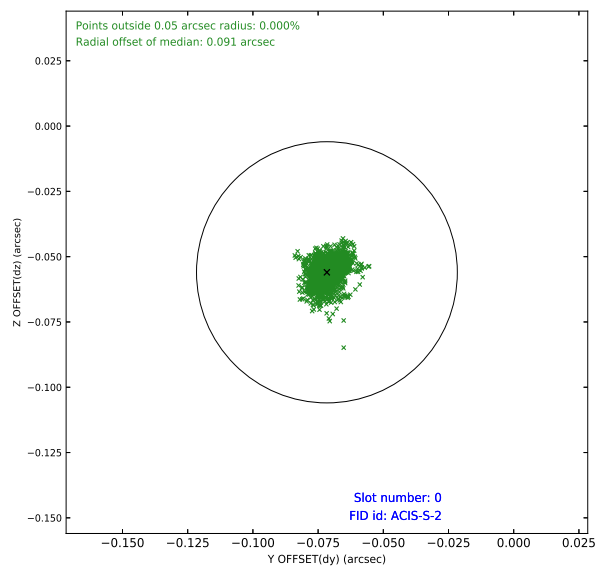
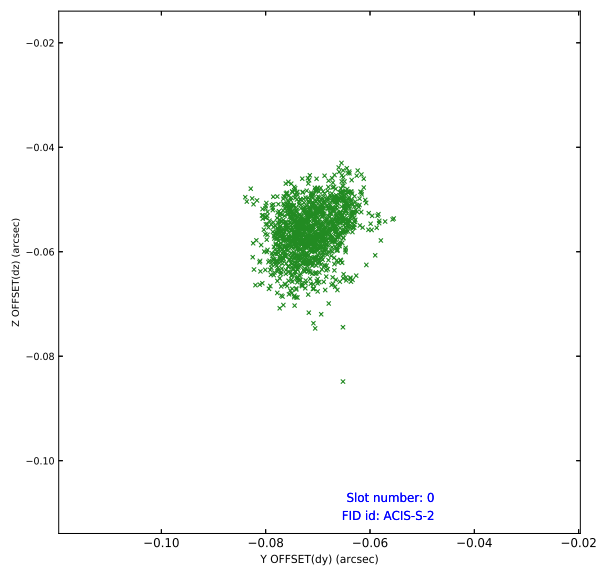


2.4.5 Slot 7

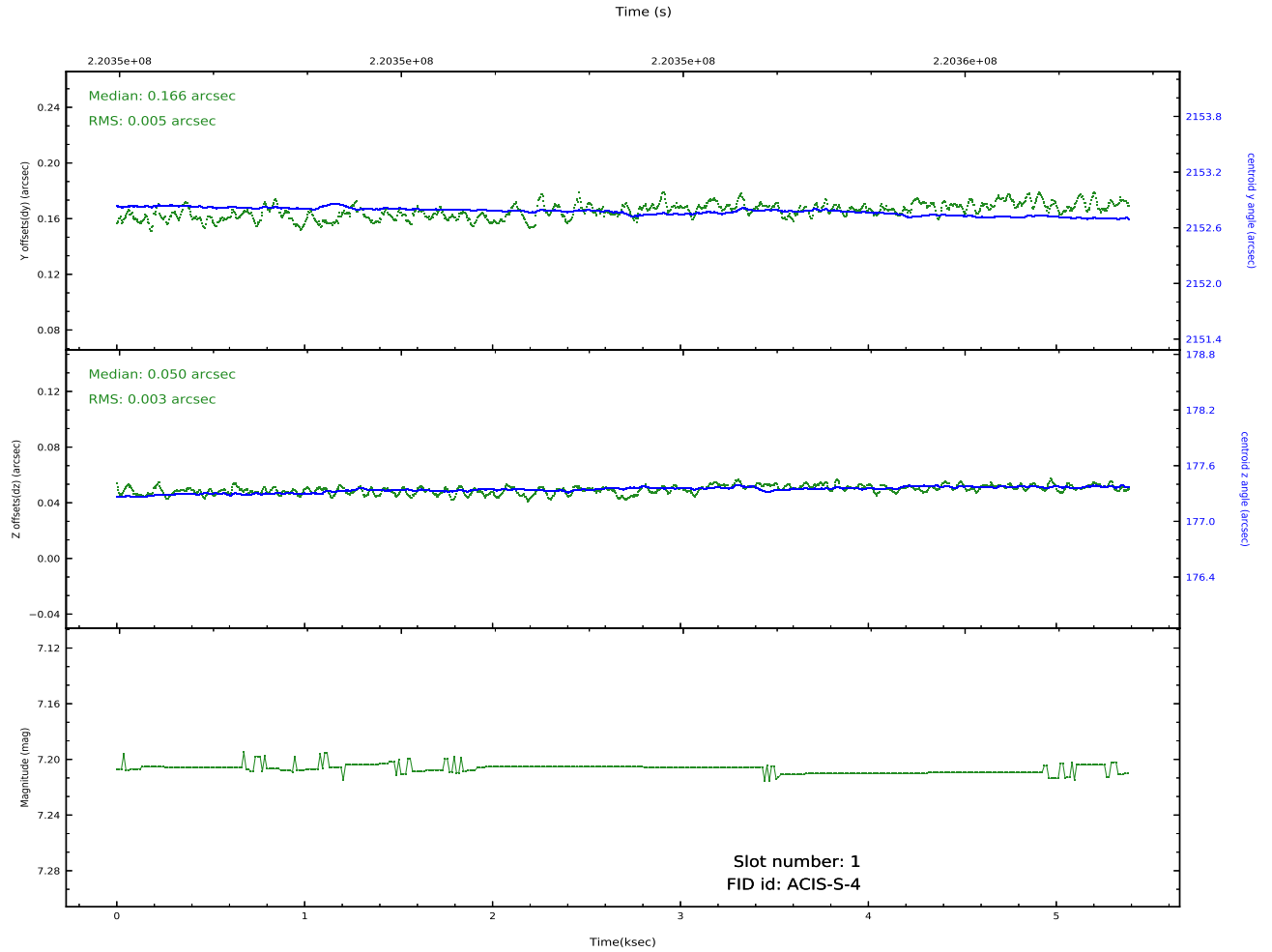
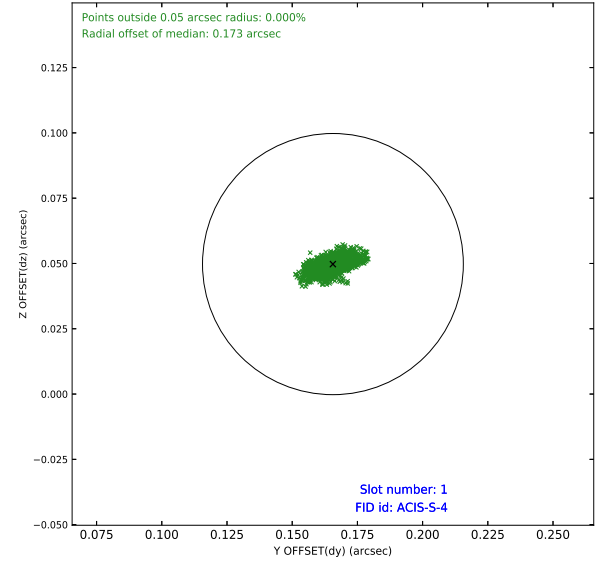
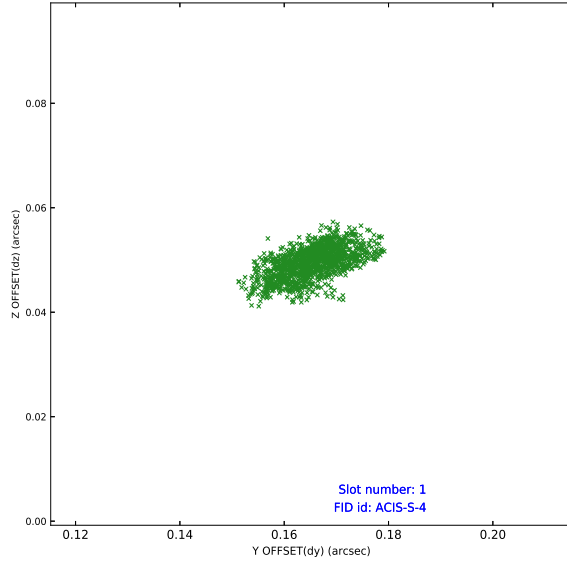


2.5 FID Slots

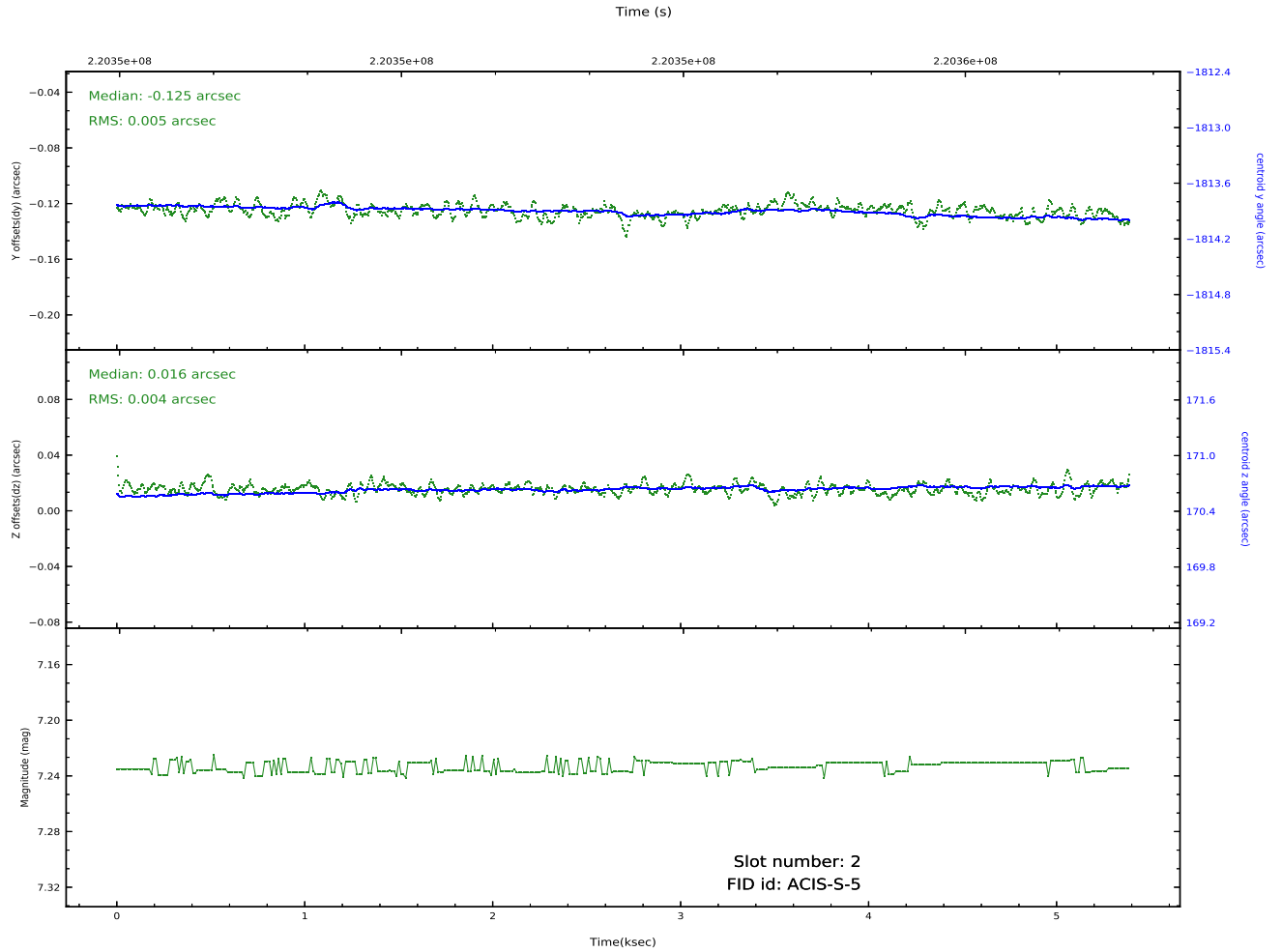
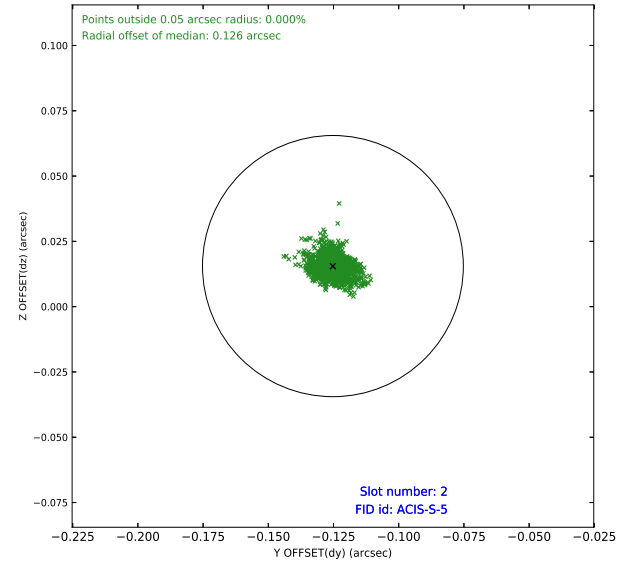
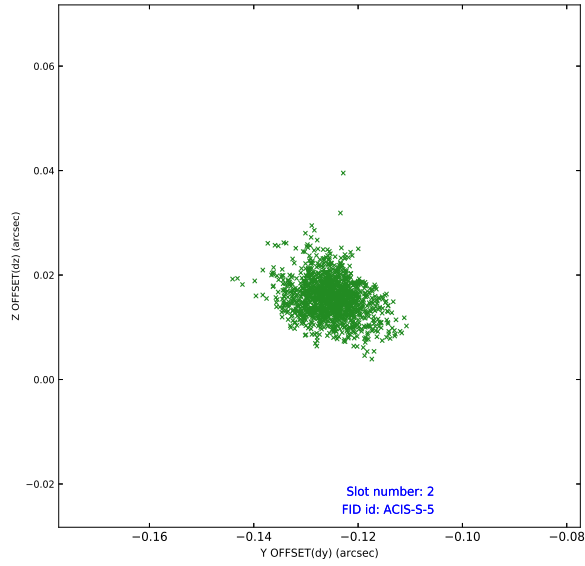
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.084799

A.2 Comments

Joint proposal with NOAO.