

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5643 - L2 Version 5
Chandra X-Ray Center

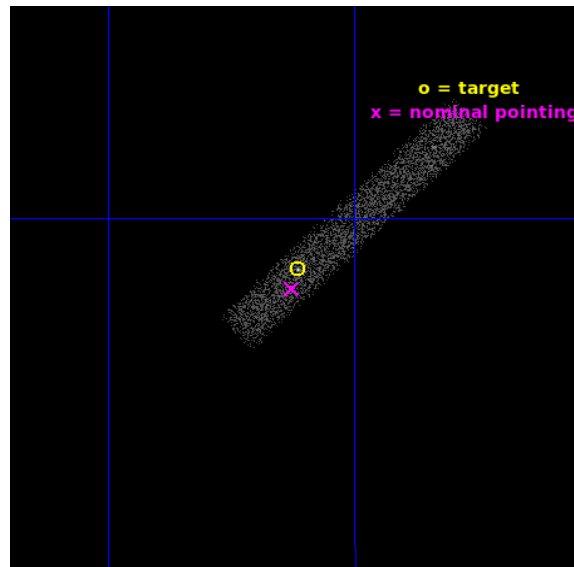
L2 Processing Date : Oct 6 2020

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1 Front

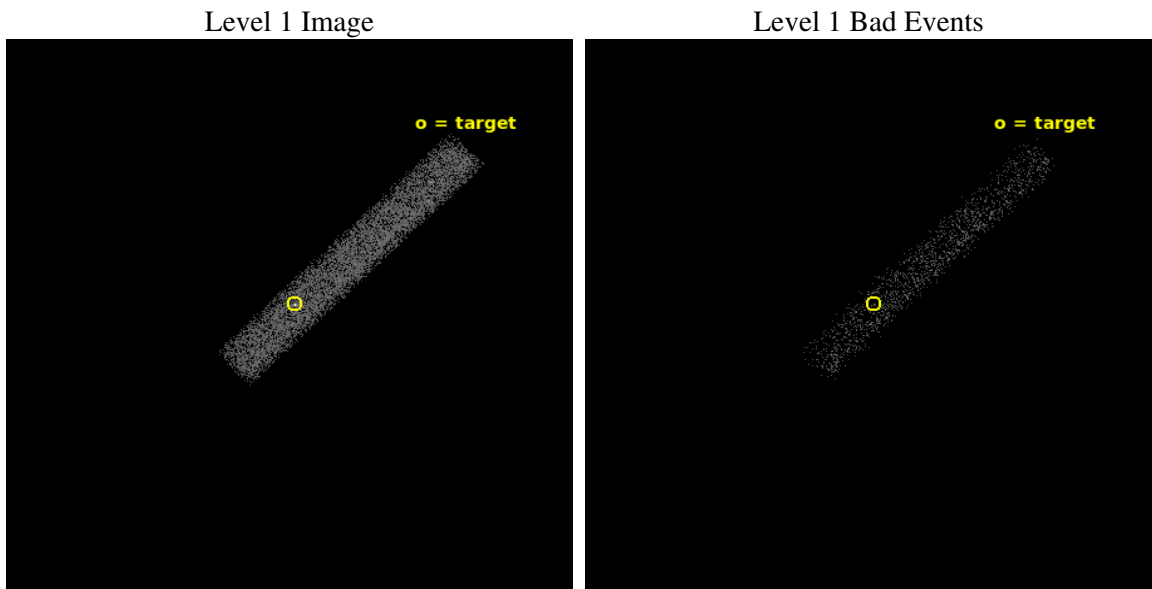
seq_num	701066	Sequence number
obs_id	5643	Observation id
title	The Extended X-ray Structure of a New Population of Blazars	Propos
observer	Dr. Hermine Landt	Principal investigator
object	RGB J2318+308	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	349.65375	Observer's specified target RA [deg]
dec_targ	30.810278	Observer's specified target Dec [deg]
ra_nom	349.65675105935	Nominal RA [deg]
dec_nom	30.801462922129	Nominal Dec [deg]
roll_nom	315.52873323675	Nominal Roll [deg]
revision	5	Processing version of data
ontime	10165.200151443	Sum of GTIs [s]
livetime	9219.2999741008	Livetime [s]
ontime7	10165.200151443	Sum of GTIs [s]
l2events	6978	Number of level 2 events



2 OBI

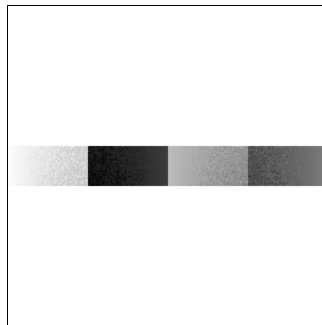
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10165.200151443	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	10165.200151443	Sum of GTIs [s]
date	2020-10-06T08:40:35	Date and time of file creation	l1events	15608	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

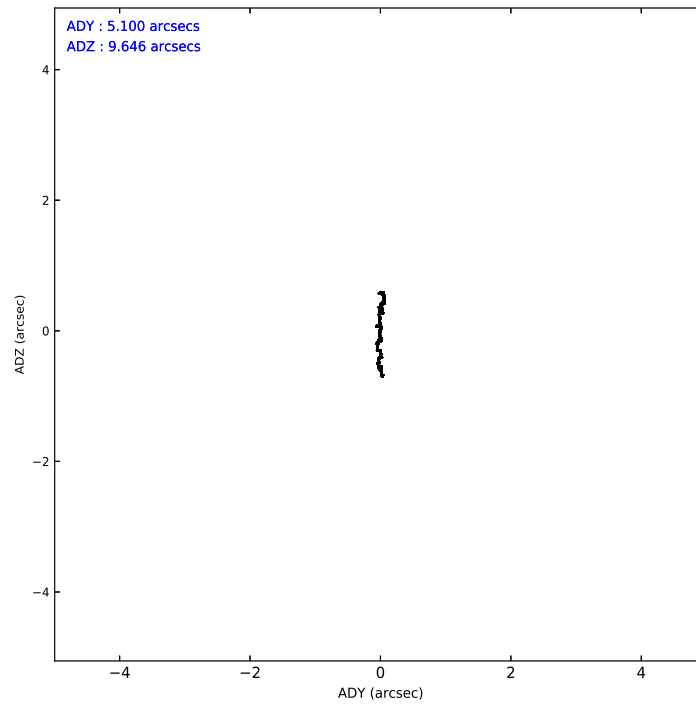
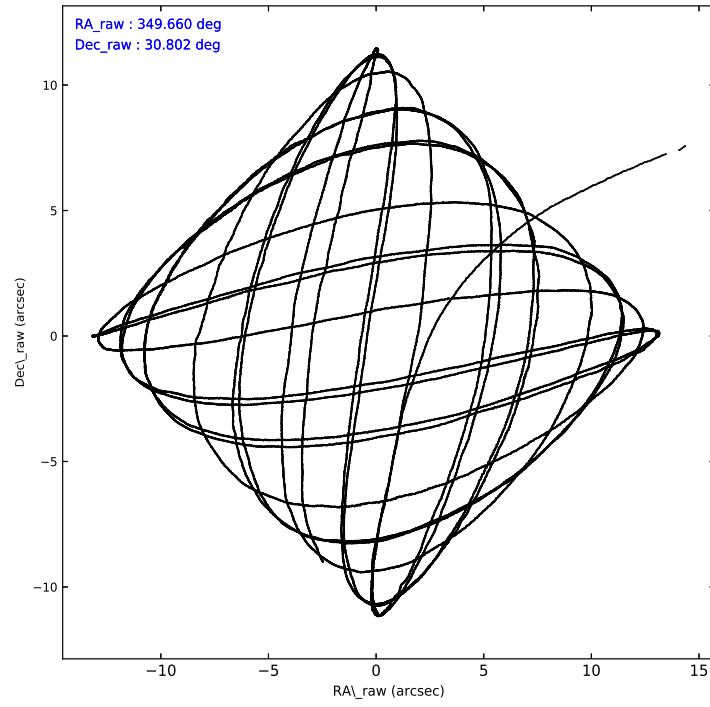
	ccd 7
level 1 events	15608
rejected events	8398
rejected %	53%

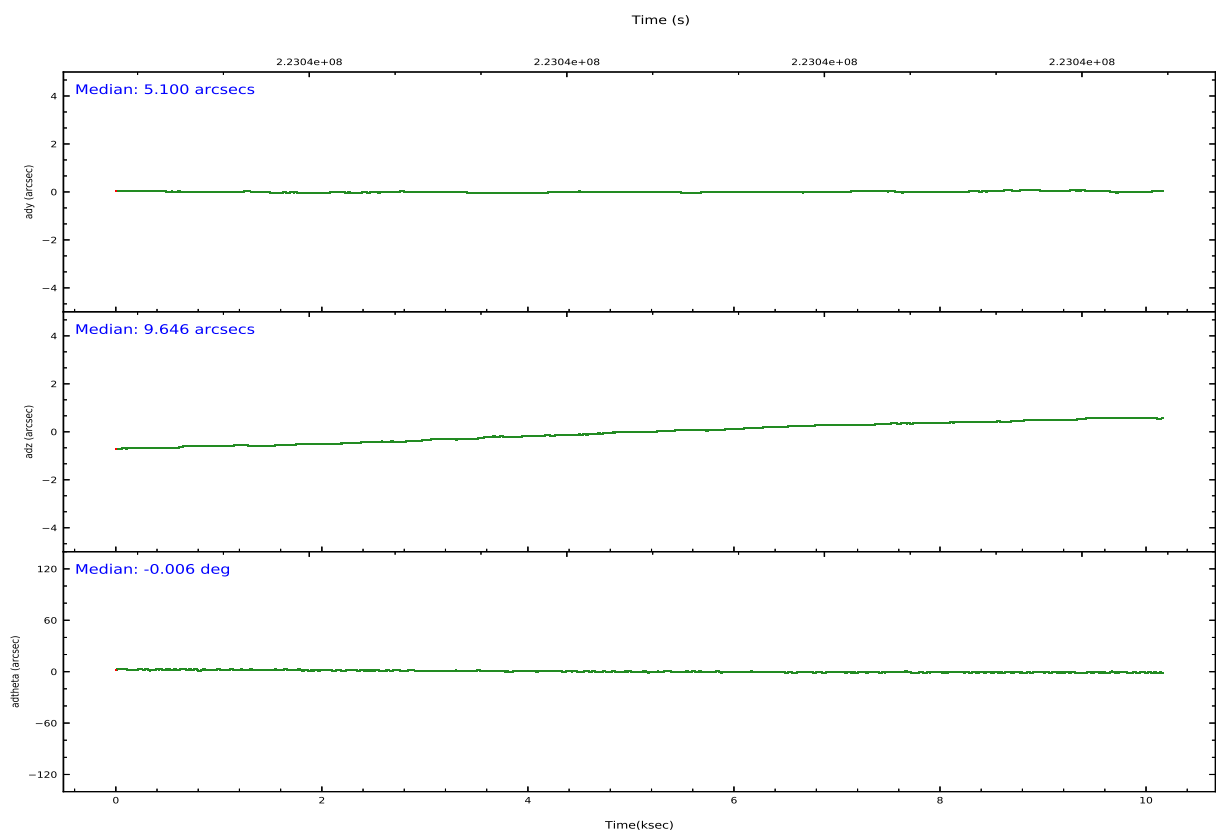
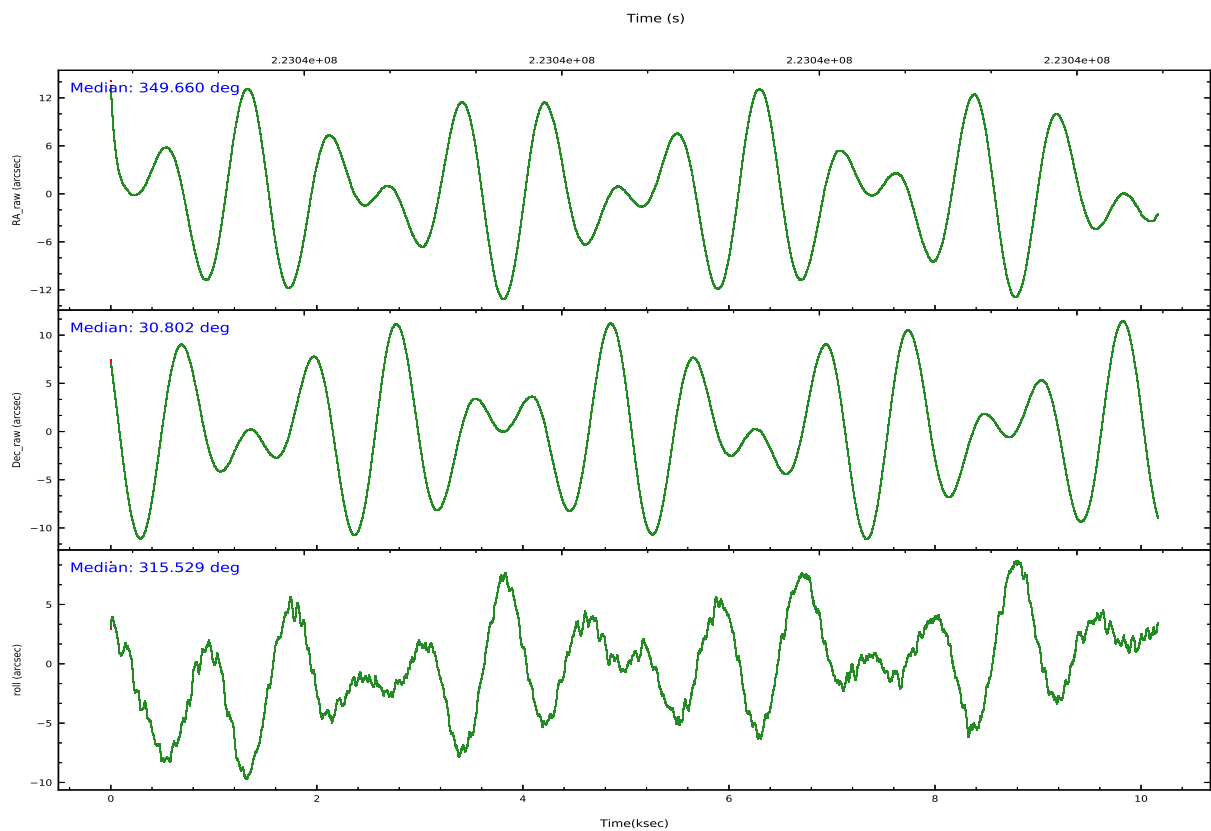
	ccd 7
grade 0 events	1013
	6%
grade 1 events	16
	0%
grade 2 events	1641
	10%
grade 3 events	1029
	6%
grade 4 events	1007
	6%
grade 5 events	1374
	8%
grade 6 events	3203
	20%
grade 7 events	6325
	40%

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	349.629472	349.65675105935	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	30.808842	30.801462922129	Subarray start row	449	449
[deg] Pointing Roll	315.387092	315.52873323675	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)	223033288.184000	223032014.15702			
Observation start date	2005-01-25T09:40:24	2005-01-25T09:20:14			
[s] Observation end time (MET)	223043288.184000	223044109.67007			
Observation end date	2005-01-25T12:27:04	2005-01-25T12:41:49			
Read mode	TIMED	TIMED			

2.3 Aspect



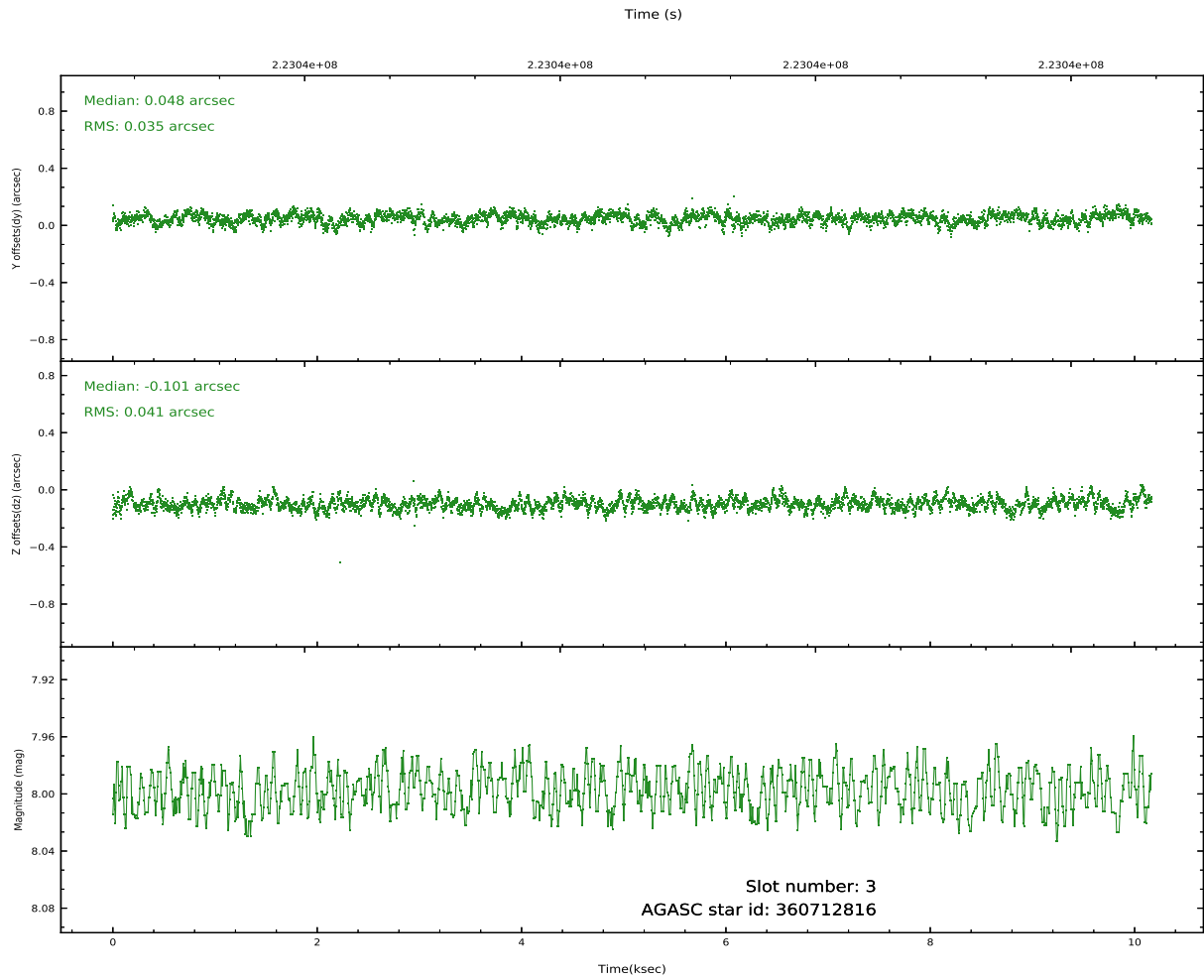
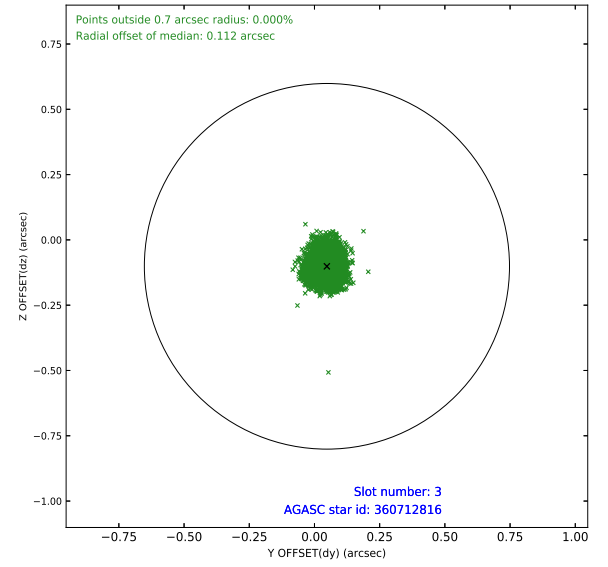
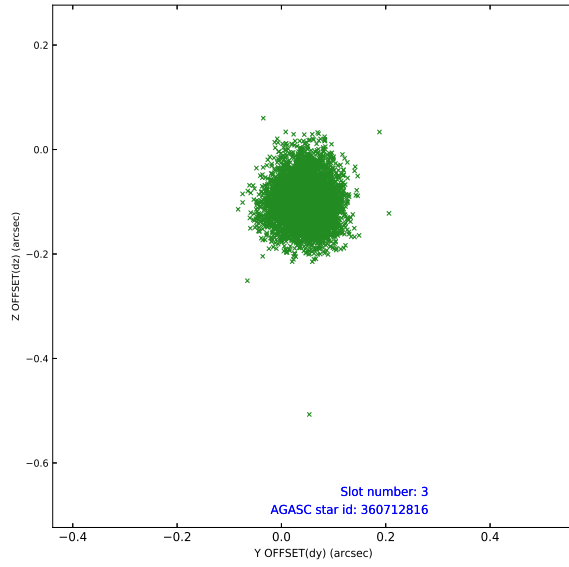


Slot Statistics

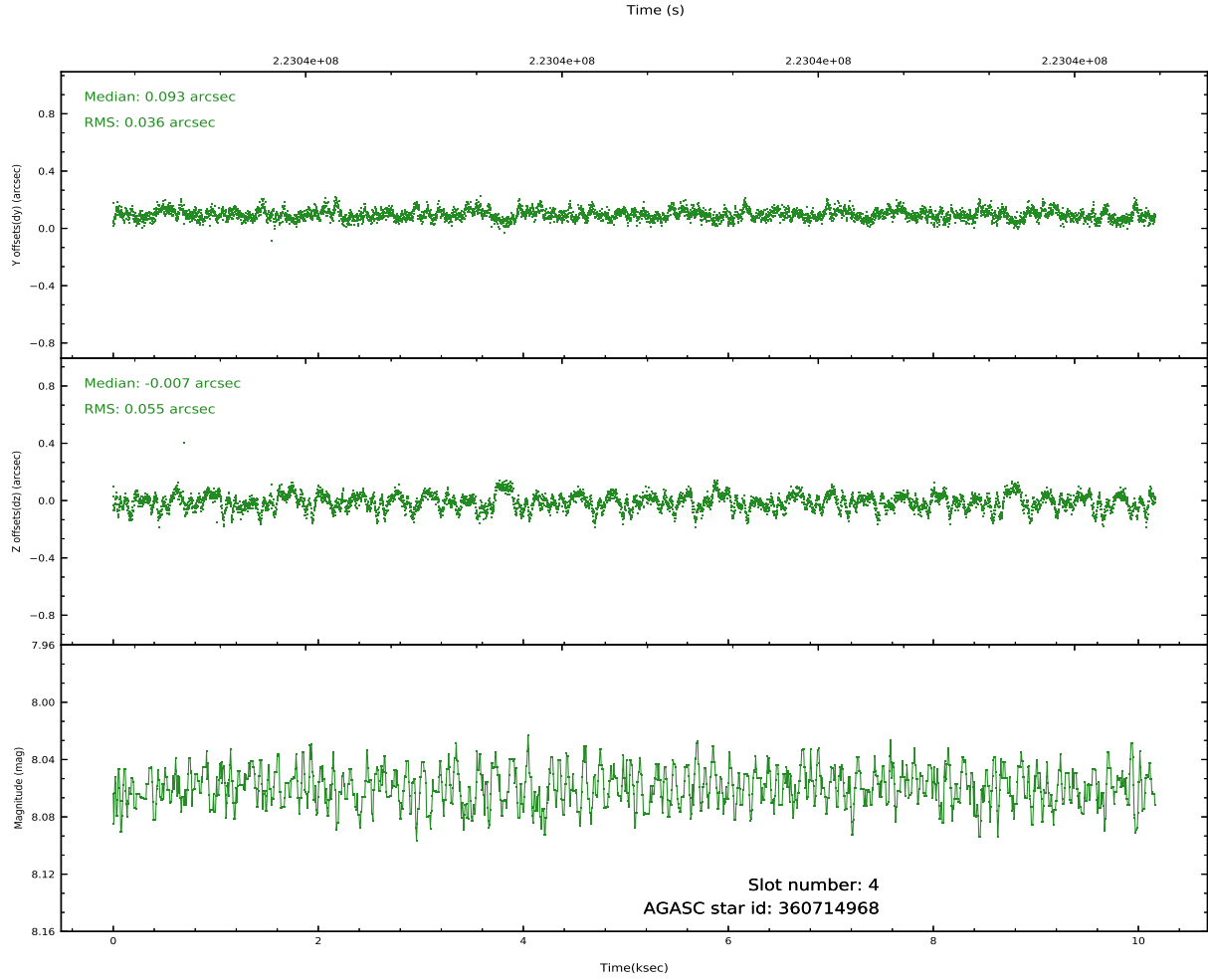
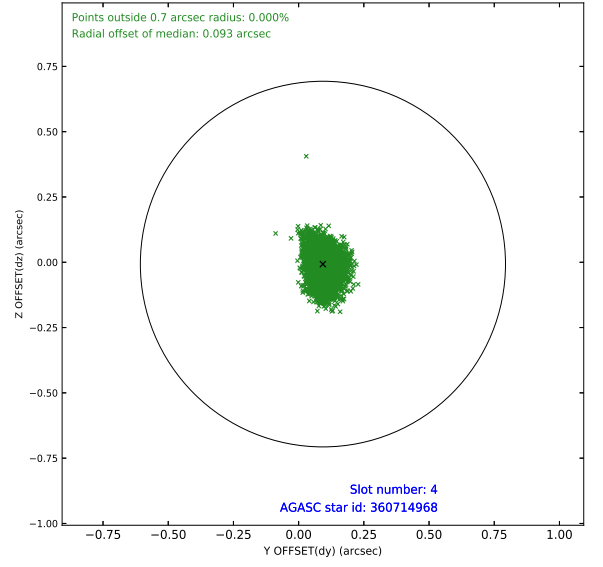
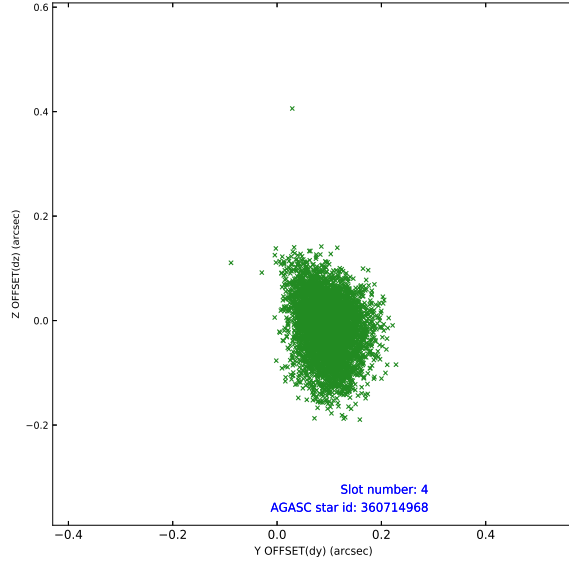
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	2480	1.000	-0.013	-0.042	0.013	0.020	0.000000	0.000000	938.23	-1726
1	FID		ACIS-S-4	7.21	2478	1.000	0.141	0.039	0.011	0.017	0.000000	0.000000	2156.06	177
2	FID		ACIS-S-5	7.23	2480	1.000	-0.157	0.016	0.009	0.016	0.000000	0.000000	-1810.13	171
3	GUIDE	used	360712816	8.00	4959	1.000	0.048	-0.101	0.058	0.093	349.075660	30.670209	-871.83	-1555
4	GUIDE	used	360714968	8.06	4959	1.000	0.093	-0.007	0.068	0.118	349.241338	30.373849	240.52	-1960
5	GUIDE	used	360723824	7.30	4959	1.000	-0.083	-0.016	0.064	0.106	349.426023	31.030020	-1006.01	126
6	GUIDE	used	360726424	8.73	4957	1.000	0.054	0.066	0.062	0.102	350.086541	30.713840	1245.26	752
7	GUIDE	used	360585328	9.48	4957	1.000	-0.115	0.062	0.094	0.148	348.626322	30.696742	-1936.39	-2458

2.4 Star Slots

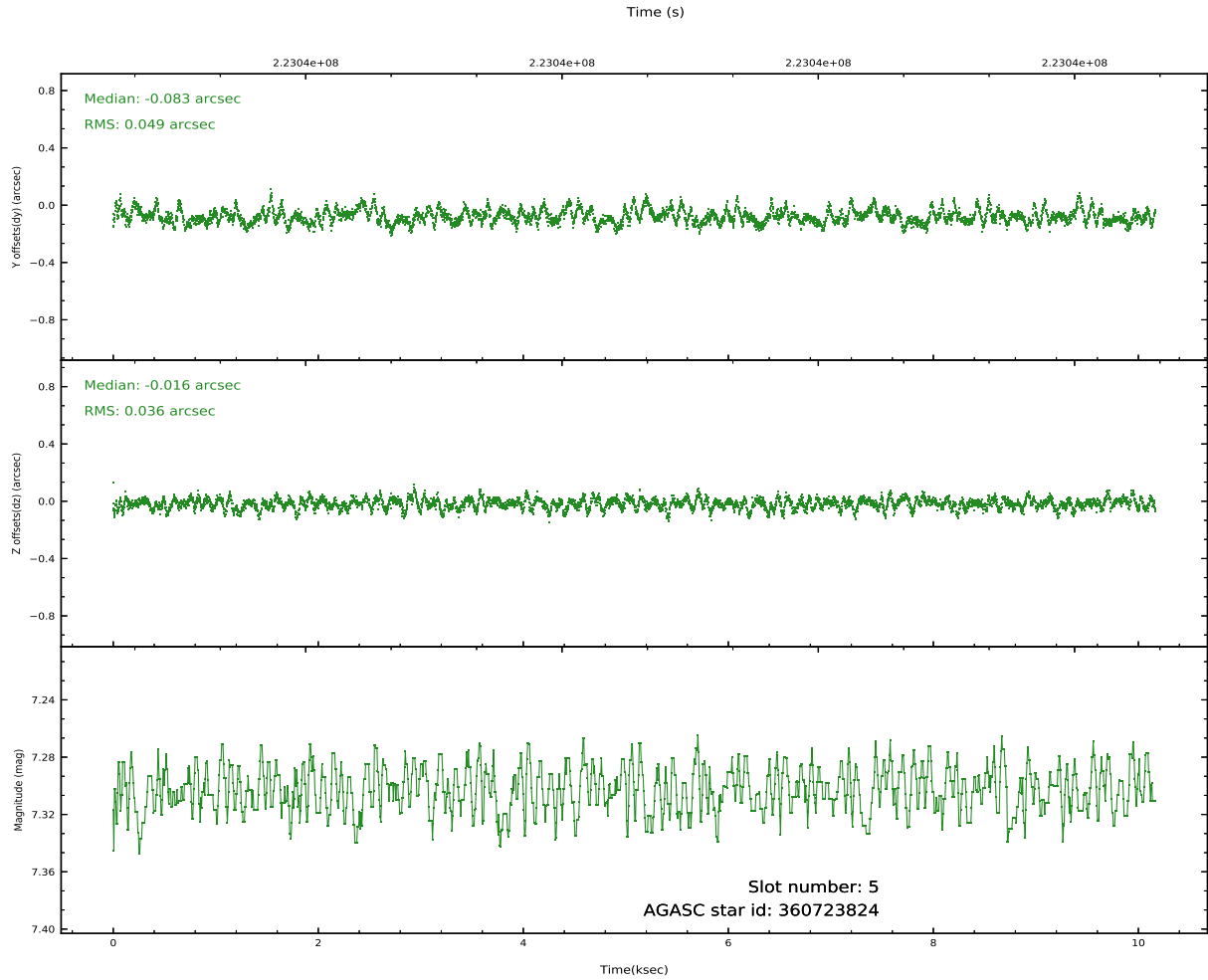
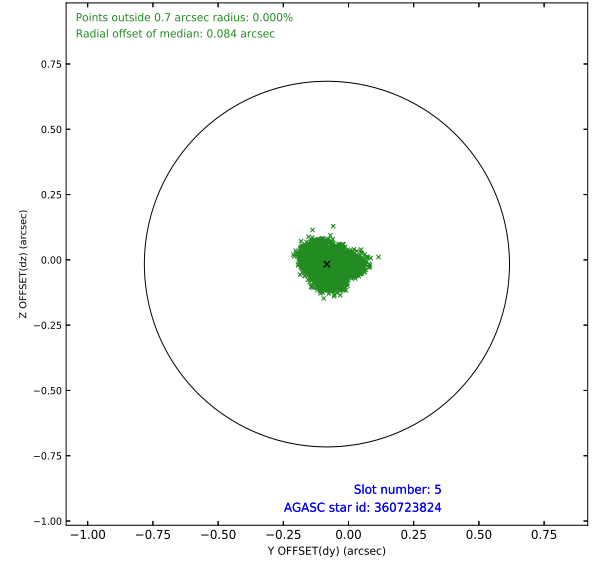
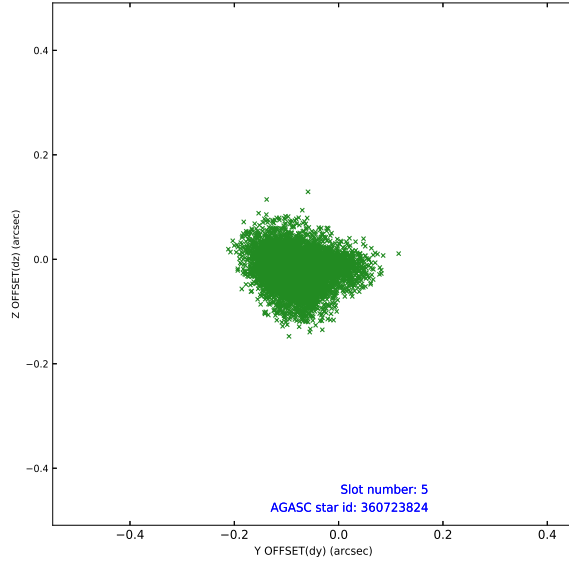
2.4.1 Slot 3



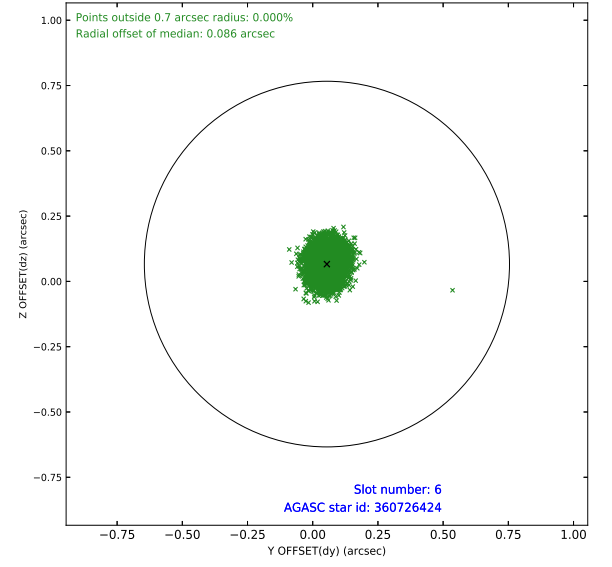
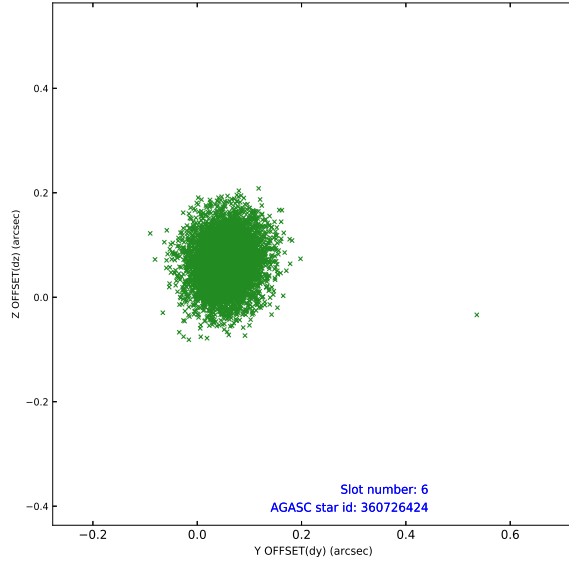
2.4.2 Slot 4



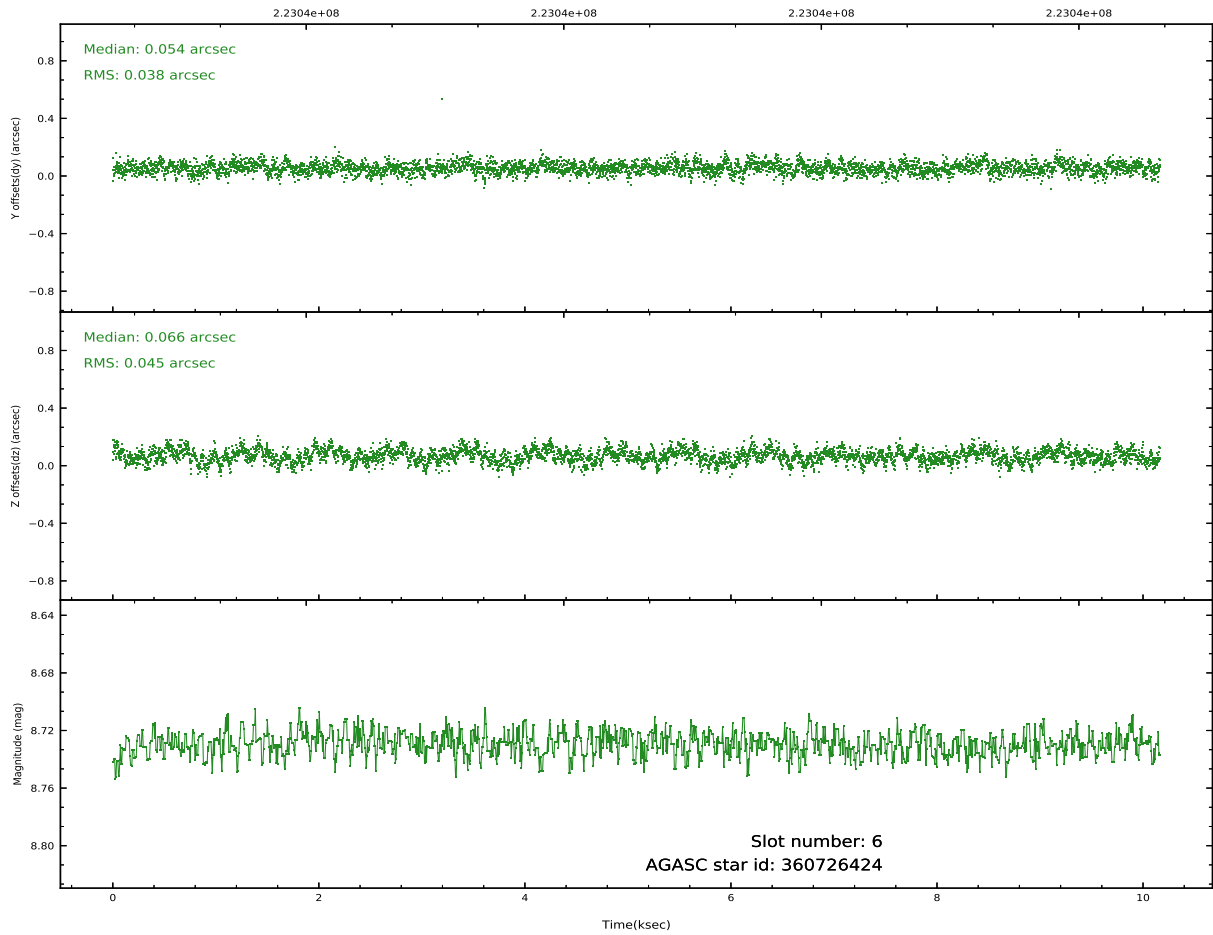
2.4.3 Slot 5



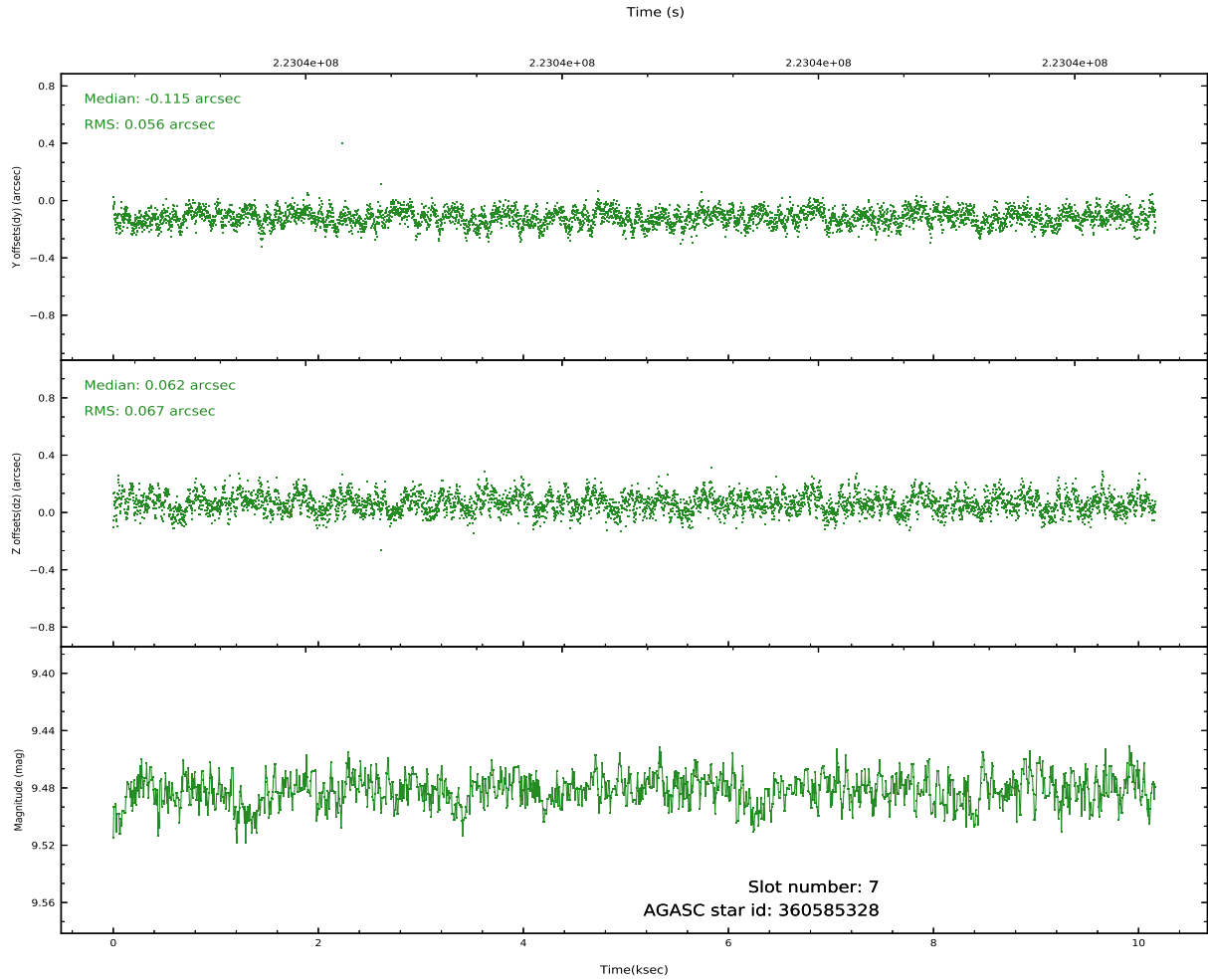
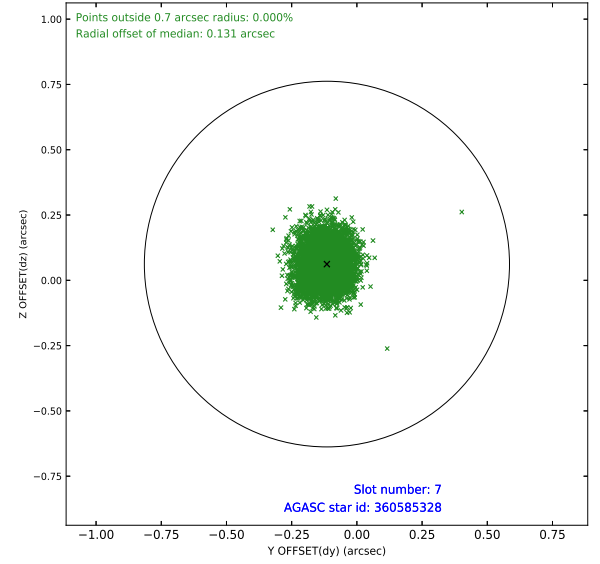
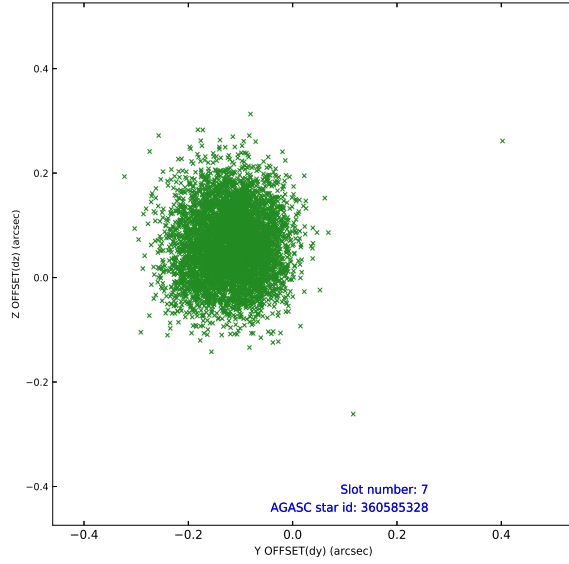
2.4.4 Slot 6



Time (s)

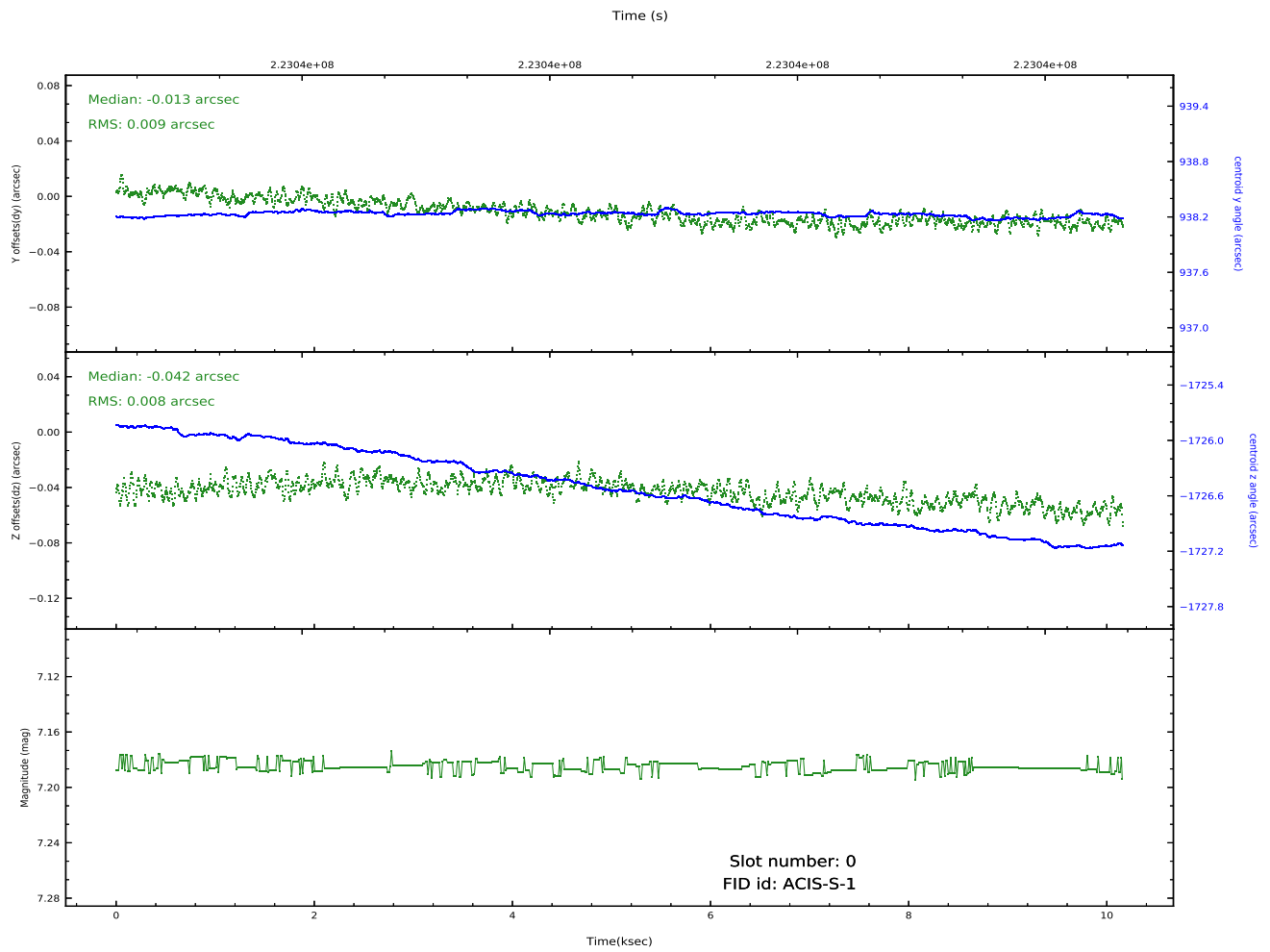
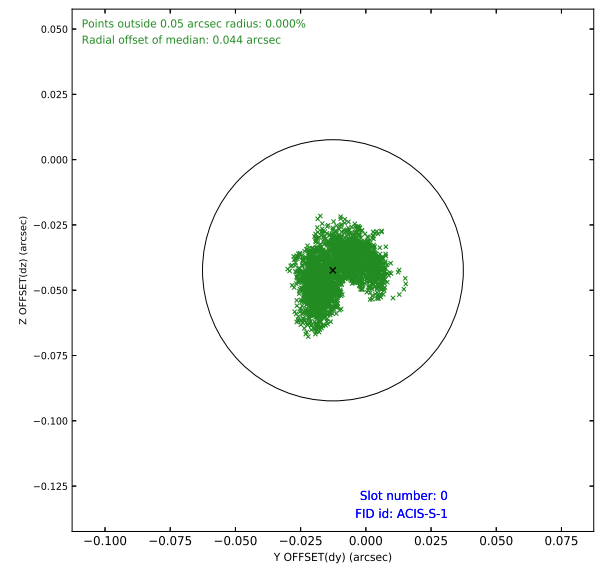
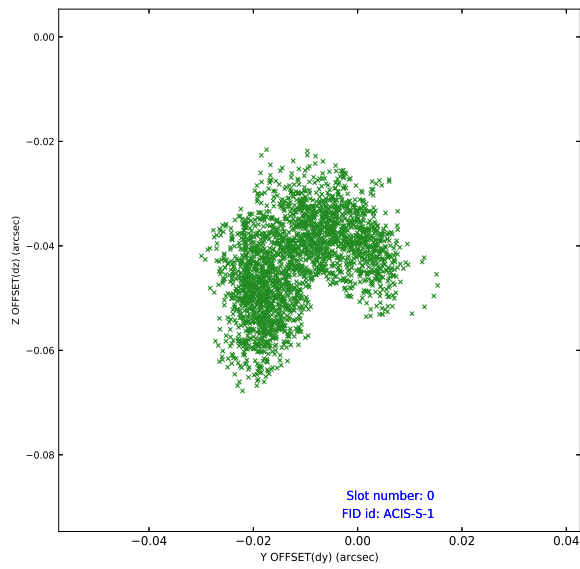


2.4.5 Slot 7

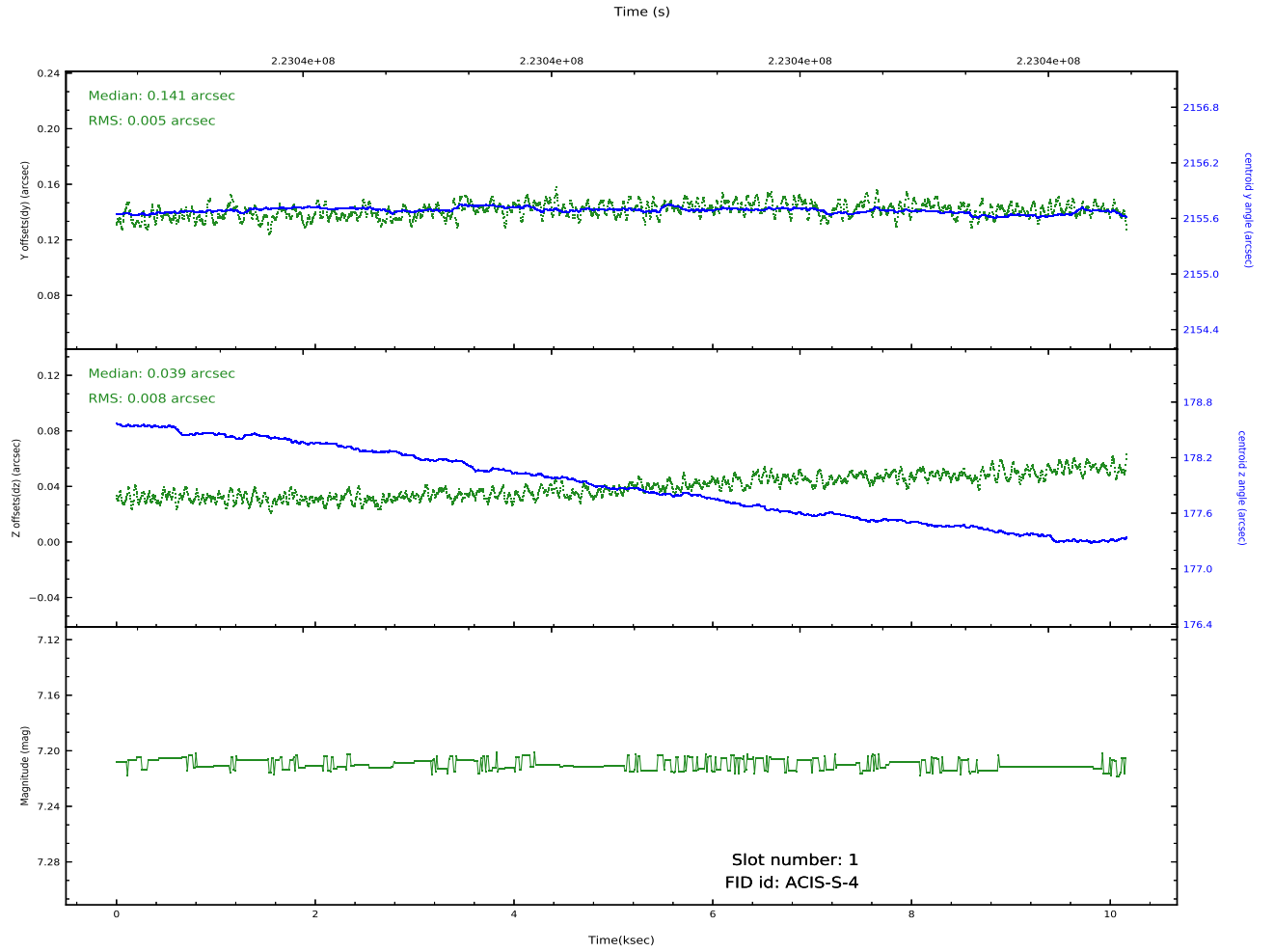
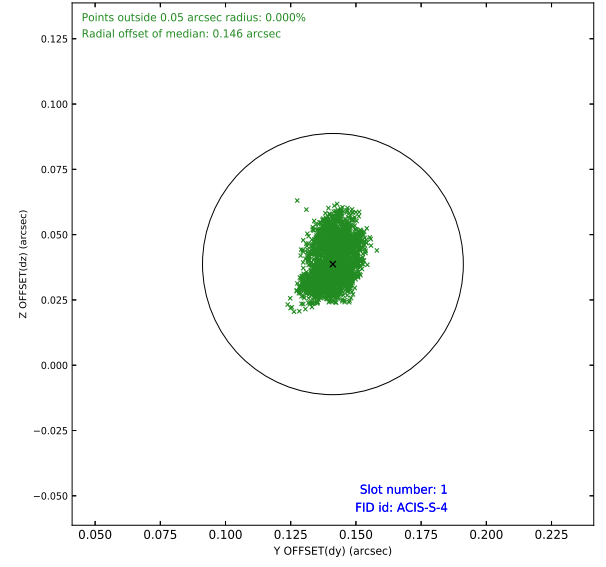
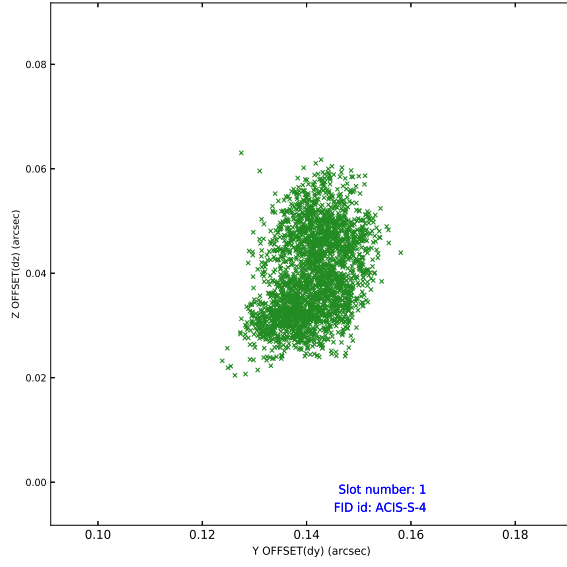


2.5 FID Slots

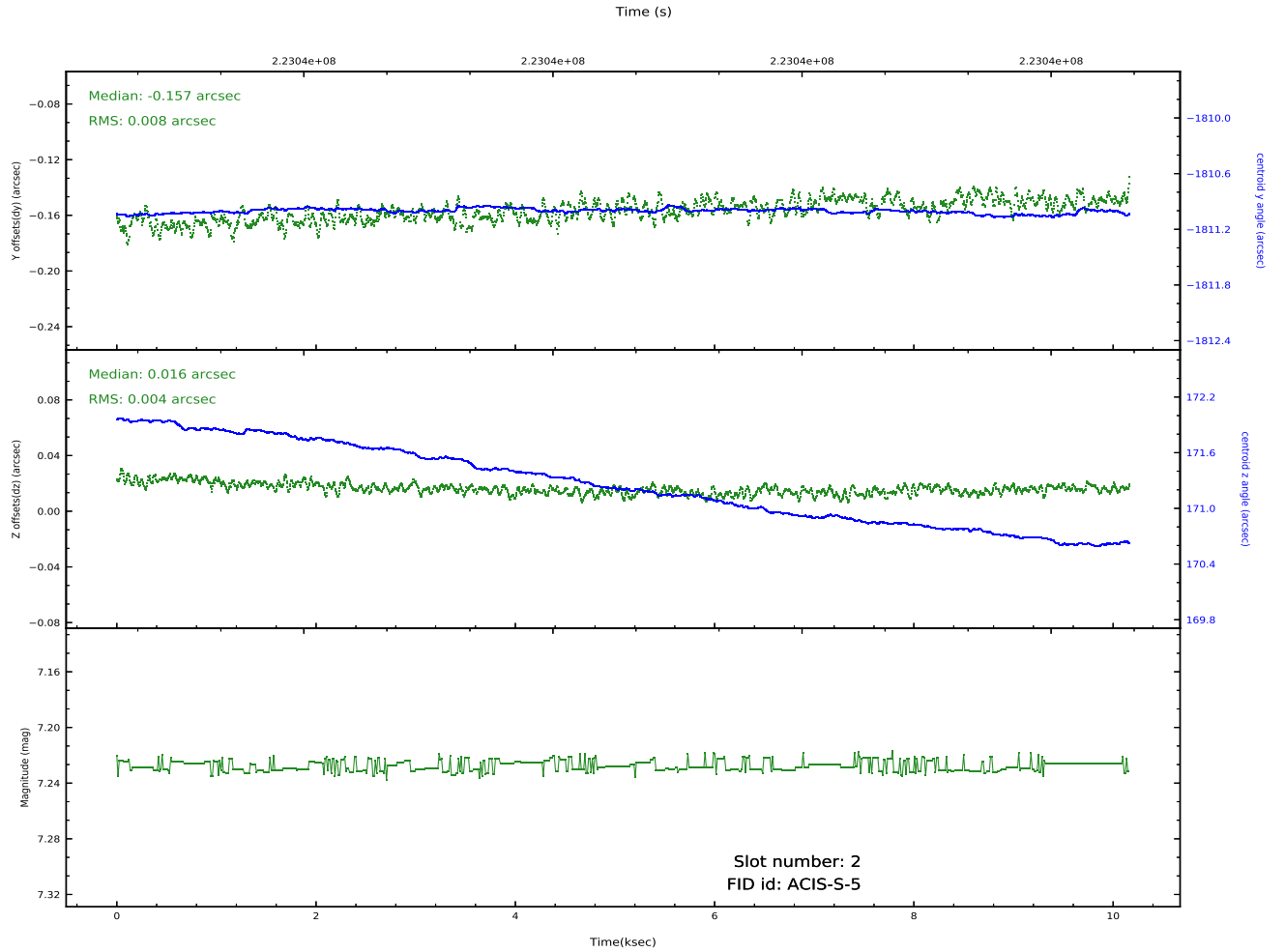
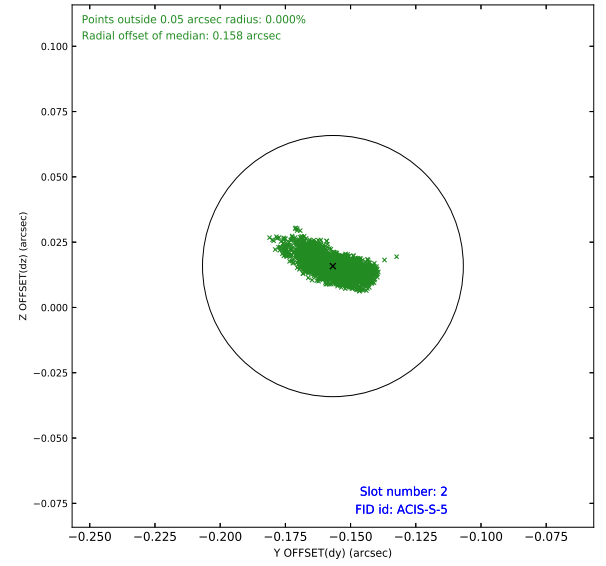
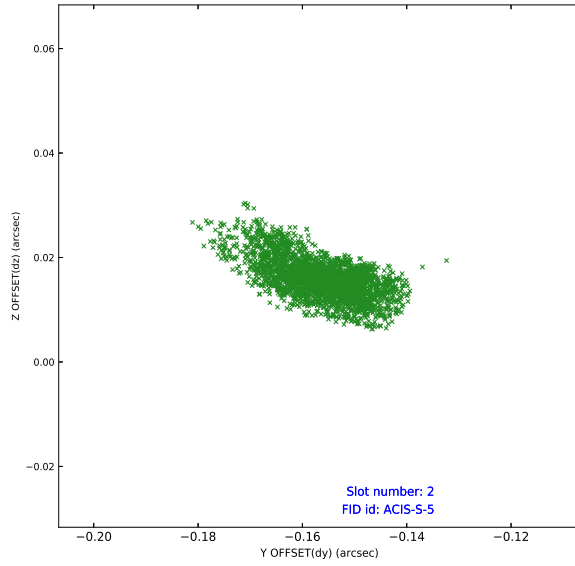
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1652

A.2 Comments