

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5915 - L2 Version 4
Chandra X-Ray Center

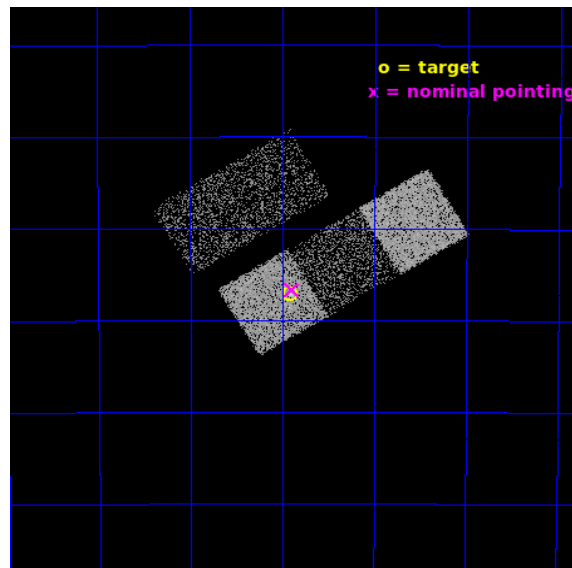
L2 Processing Date : Oct 7 2020

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1 Front

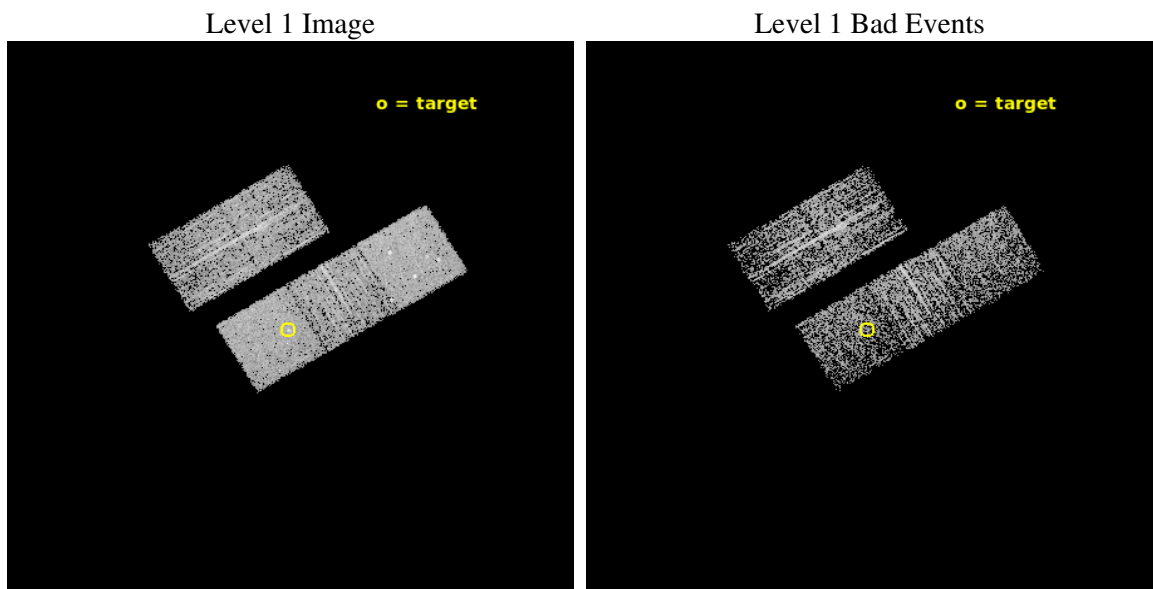
seq_num	600434	Sequence number
obs_id	5915	Observation id
title	A Chandra Snapshot Survey of X-ray Bright Early-type Galaxies	Prop
observer	Dr. Stephen Murray	Principal investigator
object	NGC7196	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	331.479583	Observer's specified target RA [deg]
dec_targ	-50.119722	Observer's specified target Dec [deg]
ra_nom	331.47398532843	Nominal RA [deg]
dec_nom	-50.111370366052	Nominal Dec [deg]
roll_nom	148.97373285023	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2235.0999956727	Sum of GTIs [s]
livetime	2205.8967687726	Livetime [s]
ontime2	2235.0999956727	Sum of GTIs [s]
ontime3	2235.0999956727	Sum of GTIs [s]
ontime5	2235.0999956727	Sum of GTIs [s]
ontime6	2235.0999956727	Sum of GTIs [s]
ontime7	2235.0999956727	Sum of GTIs [s]
l2events	21650	Number of level 2 events



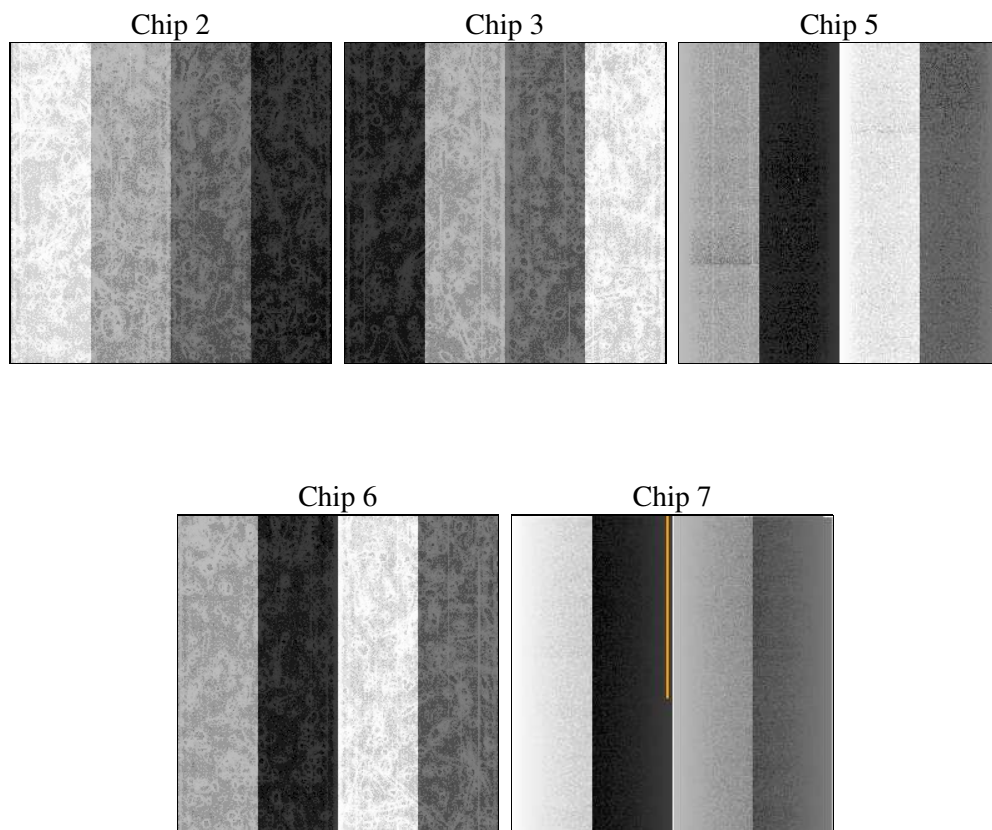
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2066.118000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2235.0999956727	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	2235.0999956727	Sum of GTIs [s]
date	2020-10-07T11:03:09	Date and time of file creation	ontime3	2235.0999956727	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2235.0999956727	Sum of GTIs [s]
			ontime6	2235.0999956727	Sum of GTIs [s]
			ontime7	2235.0999956727	Sum of GTIs [s]
			l1events	102573	Number of level 1 events

2.1.4 Events

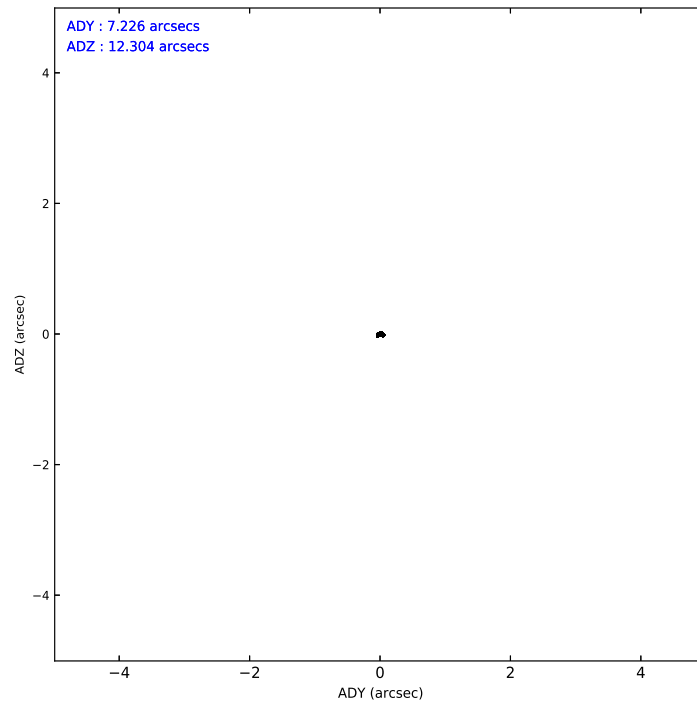
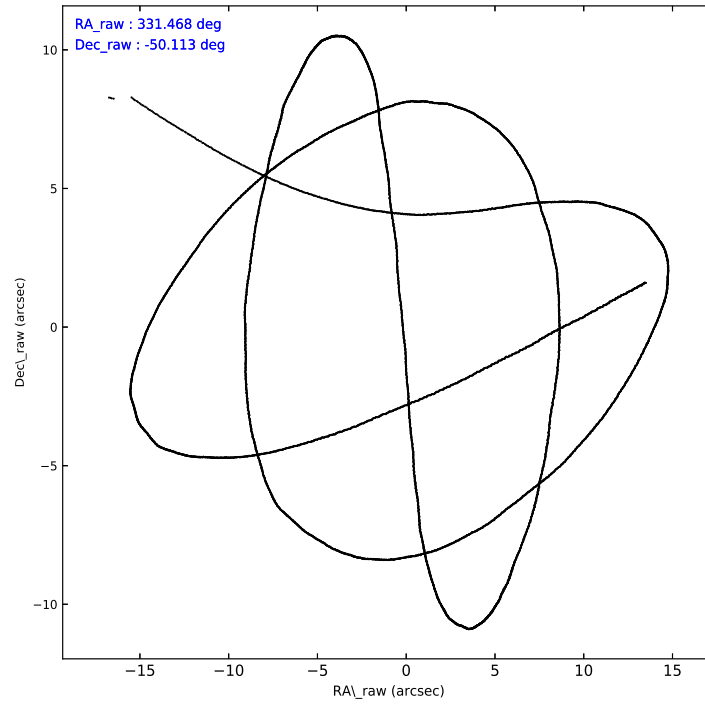
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	19150	16974	25623	19133	21693
rejected events	17522	15361	15292	17324	13427
rejected %	91%	90%	59%	90%	61%

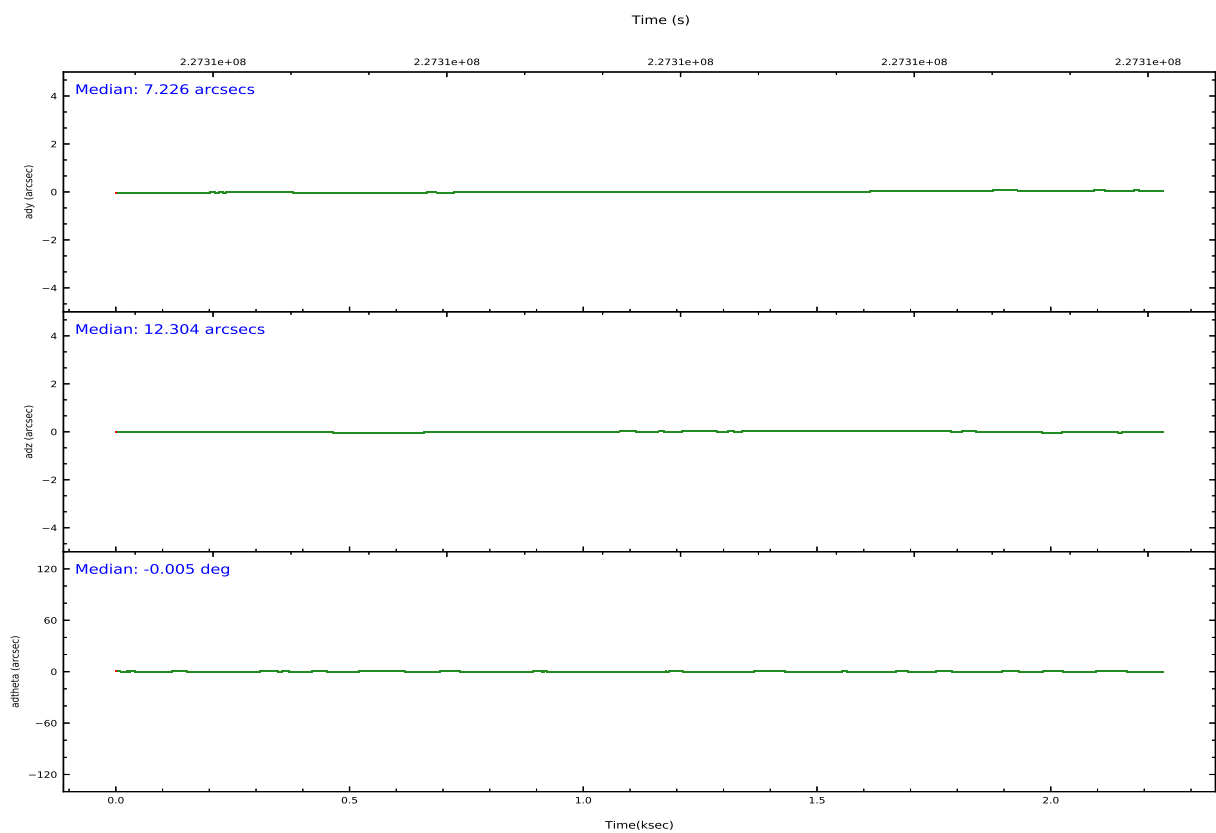
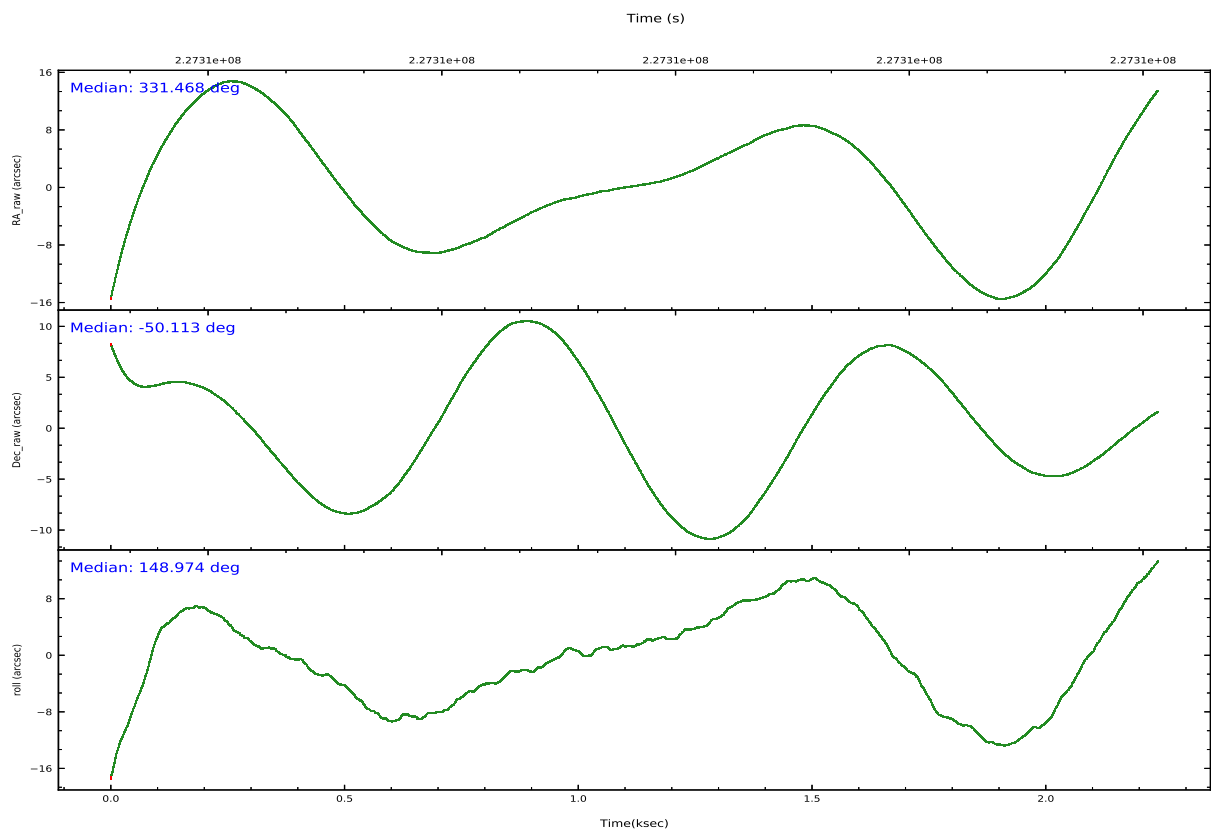
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	838	852	1694	918	1139
	4%	5%	6%	4%	5%
grade 1 events	11	9	60	8	19
	0%	0%	0%	0%	0%
grade 2 events	436	361	3669	506	2136
	2%	2%	14%	2%	9%
grade 3 events	197	227	587	211	962
	1%	1%	2%	1%	4%
grade 4 events	222	215	596	209	918
	1%	1%	2%	1%	4%
grade 5 events	569	721	2044	728	2153
	2%	4%	7%	3%	9%
grade 6 events	339	334	6588	414	5165
	1%	1%	25%	2%	23%
grade 7 events	16538	14255	10385	16139	9201
	86%	83%	40%	84%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23567	ACIS-23567	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	331.510688	331.47398532843	Subarray requested	NONE	NONE
[deg] Pointing Dec	-50.113479	-50.111370366052	Alternating exposures requested	N	N
[deg] Pointing Roll	148.851553	148.97373285023	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	227310965.184000	227309665.81315			
Observation start date	2005-03-15T21:55:01	2005-03-15T21:34:25			
[s] Observation end time (MET)	227313031.184000	227313254.33831			
Observation end date	2005-03-15T22:29:27	2005-03-15T22:34:14			
Read mode	TIMED	TIMED			

2.3 Aspect



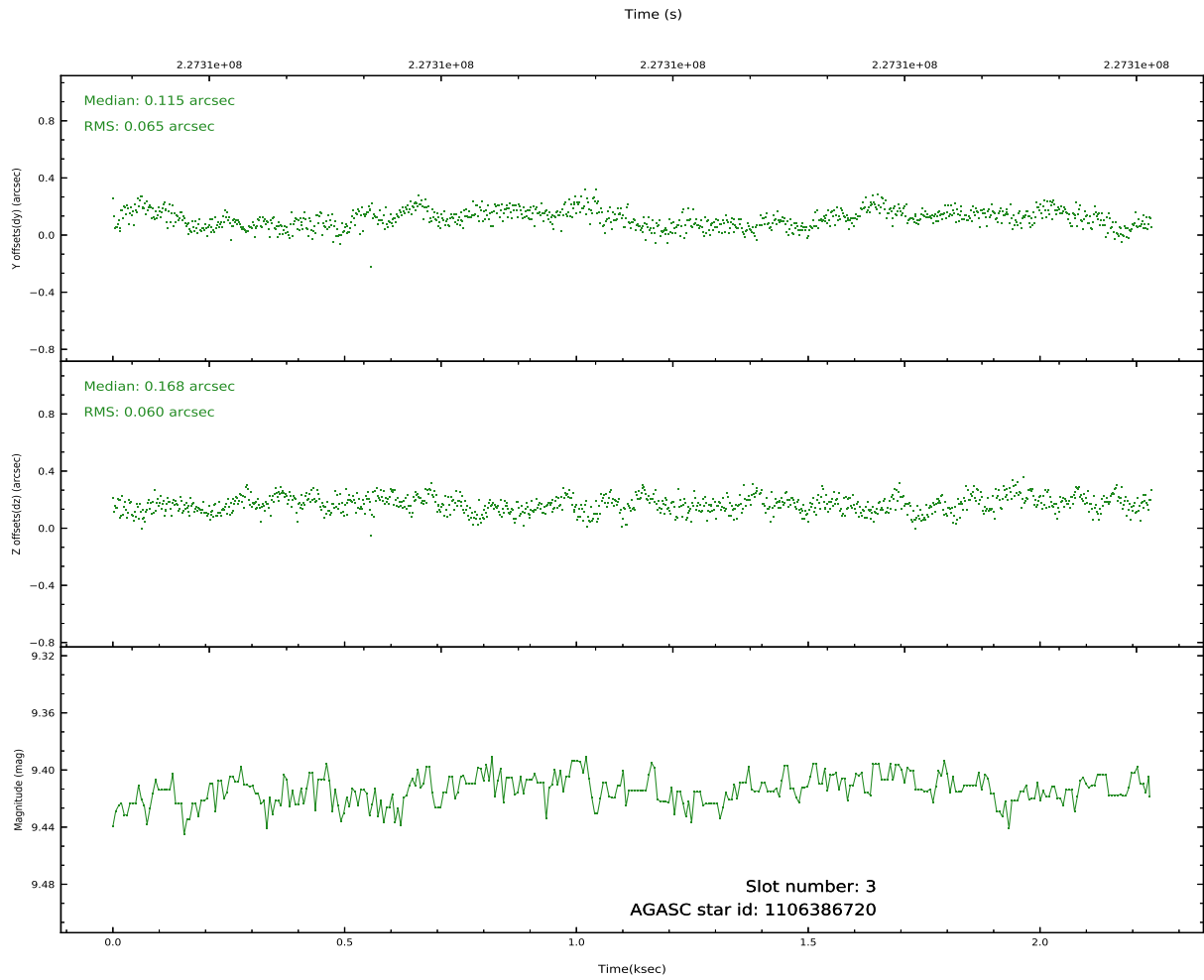
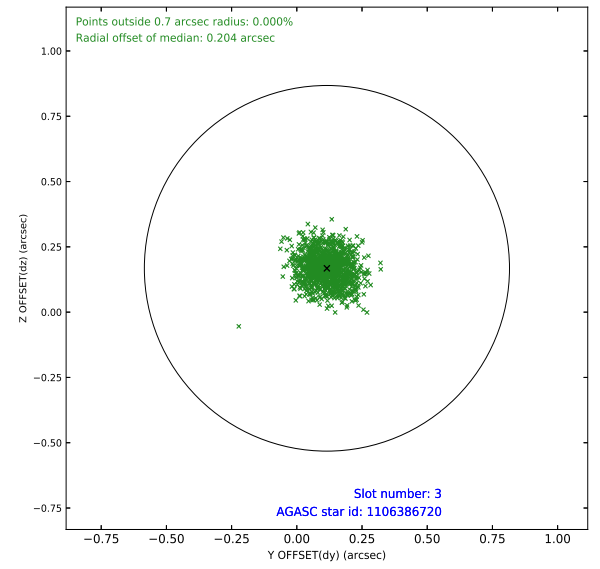
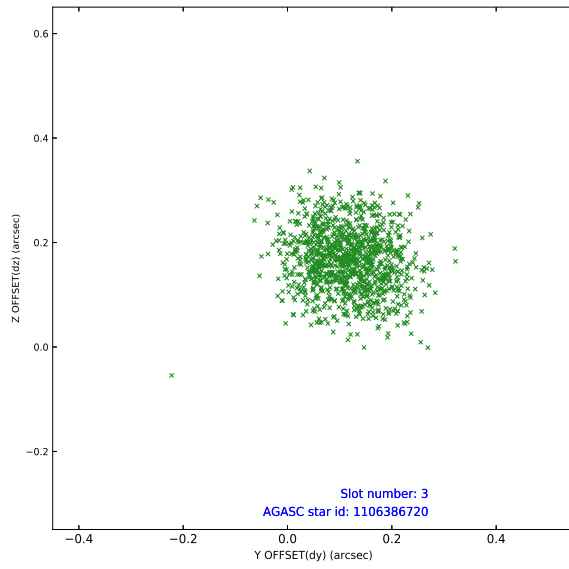


Slot Statistics

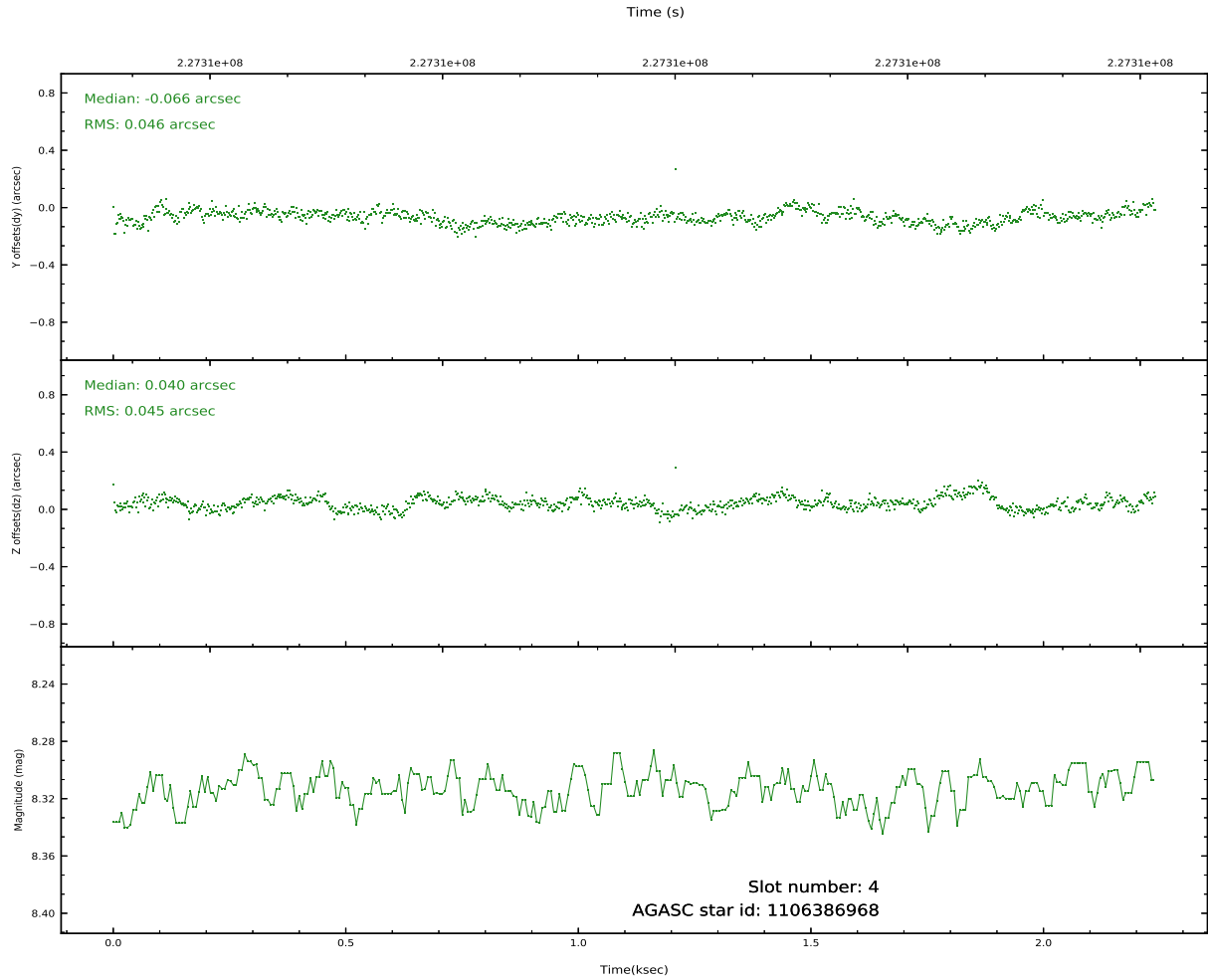
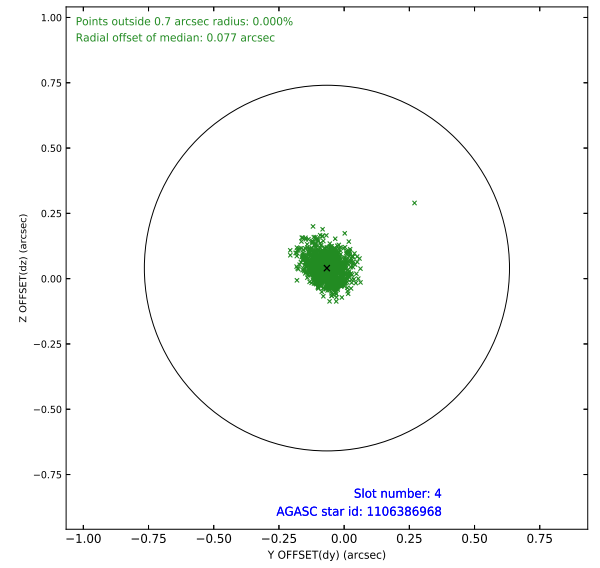
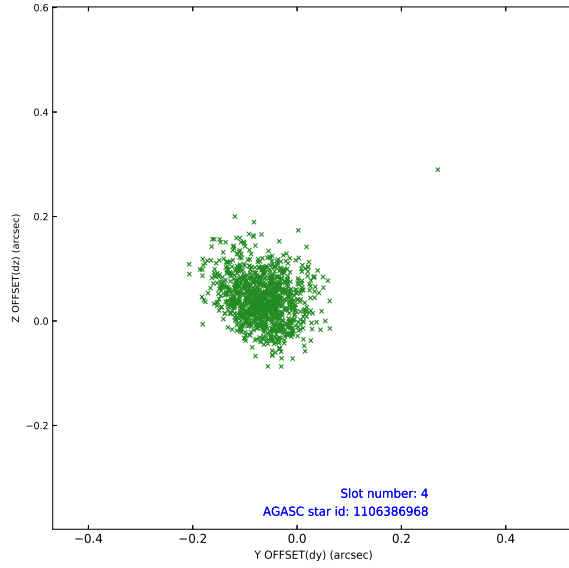
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	547	1.000	-0.050	-0.067	0.006	0.010	0.000000	0.000000	-760.02	-1733
1	FID		ACIS-S-4	7.20	547	1.000	0.123	0.042	0.005	0.009	0.000000	0.000000	2152.09	171
2	FID		ACIS-S-5	7.23	547	1.000	-0.104	0.034	0.006	0.011	0.000000	0.000000	-1809.20	168
3	GUIDE	used	1106386720	9.41	1090	1.000	0.115	0.168	0.097	0.148	332.255624	-49.886675	-1060.55	-1584
4	GUIDE	used	1106386968	8.31	1094	1.000	-0.066	0.040	0.068	0.113	331.530717	-49.686244	754.88	-1341
5	GUIDE	used	1106781000	9.49	1093	1.000	-0.117	-0.001	0.111	0.182	330.334845	-50.169904	2204.96	1594
6	GUIDE	used	1106782200	8.16	1094	1.000	0.063	0.082	0.082	0.124	332.072999	-50.105429	-1096.11	-690
7	GUIDE	used	1106780672	10.18	1092	1.000	0.012	-0.278	0.174	0.283	330.884578	-50.630874	256.08	2338

2.4 Star Slots

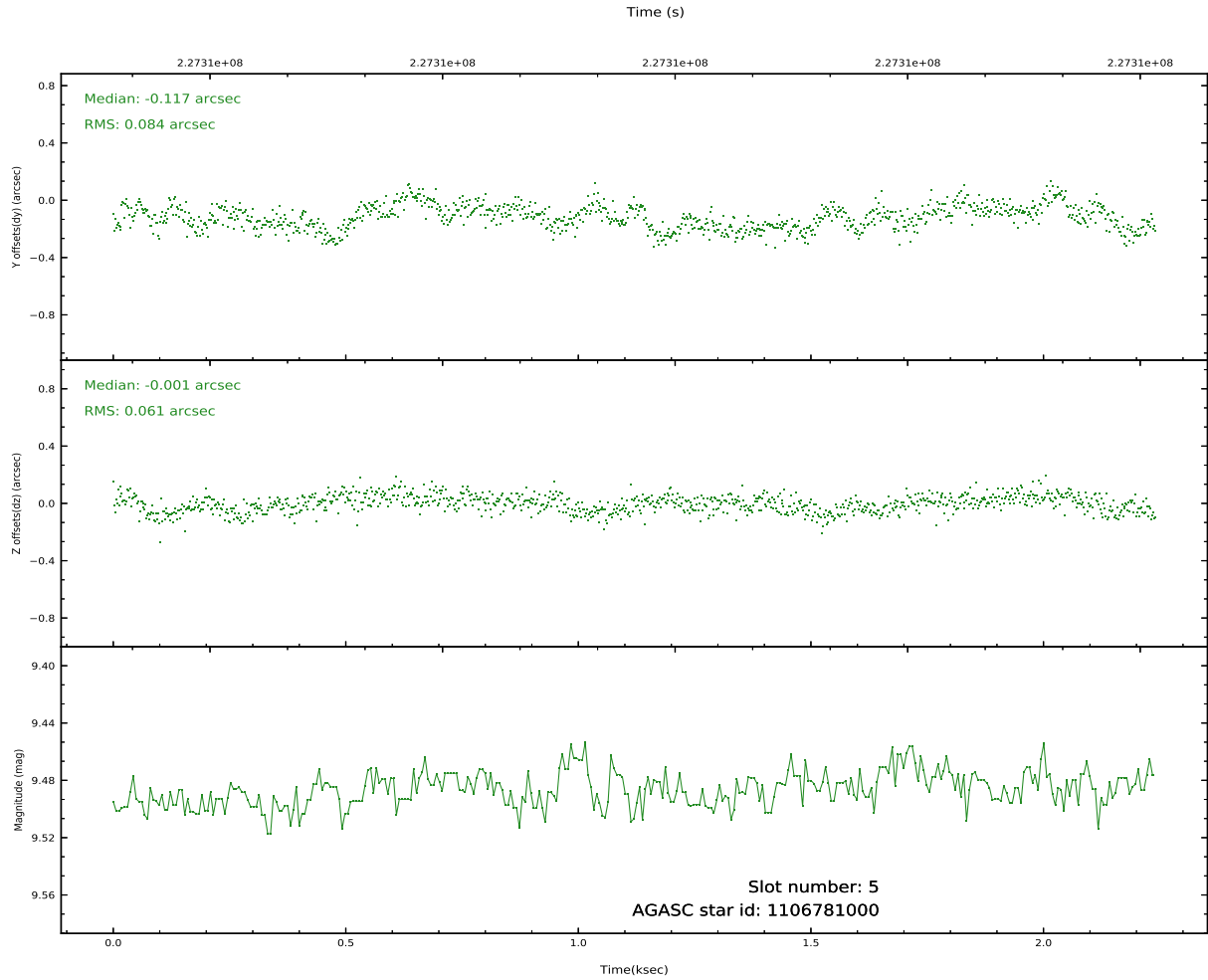
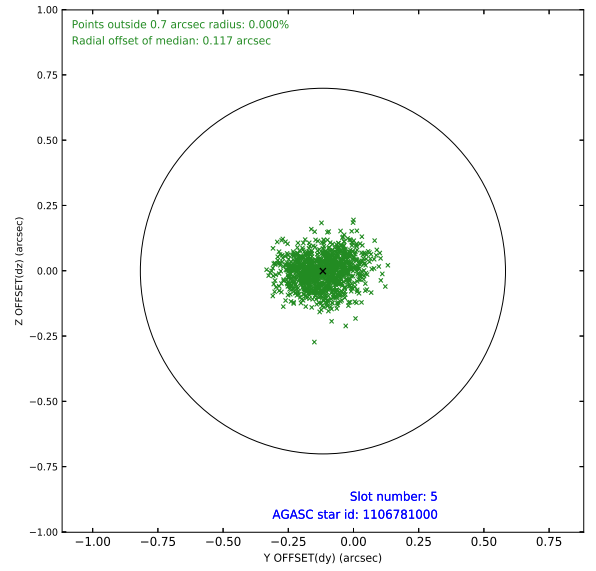
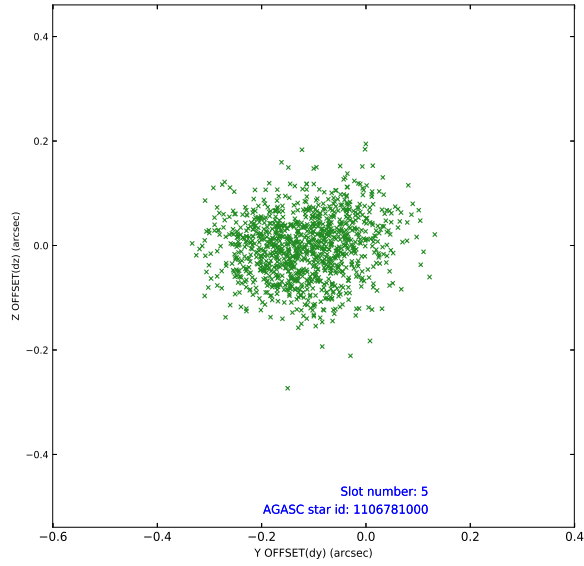
2.4.1 Slot 3



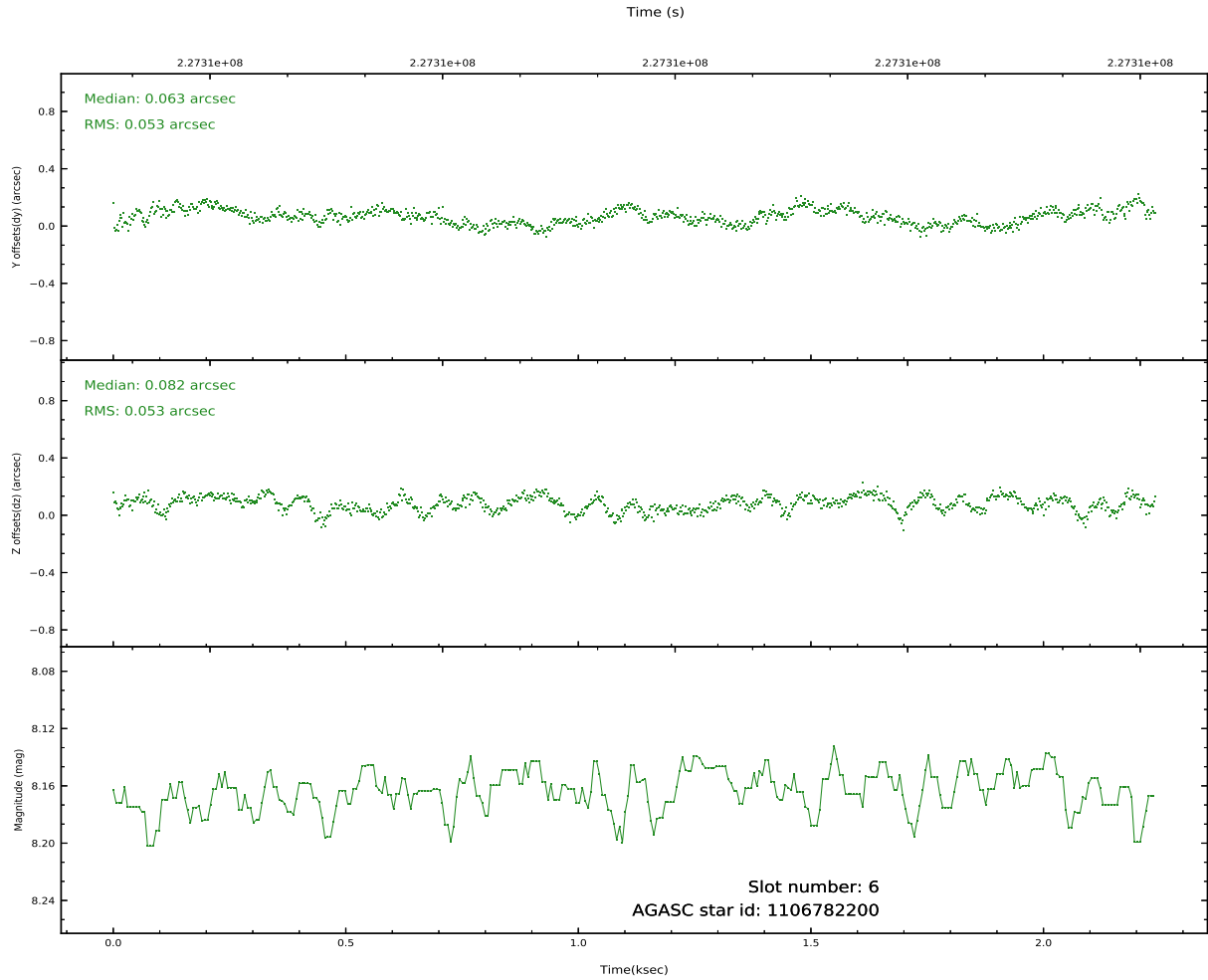
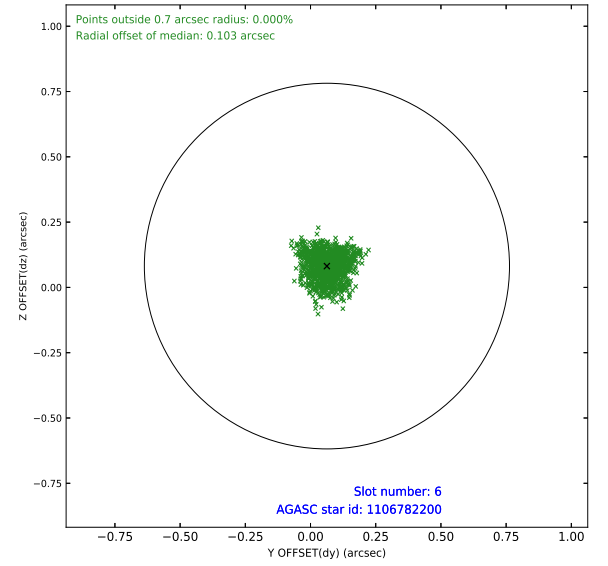
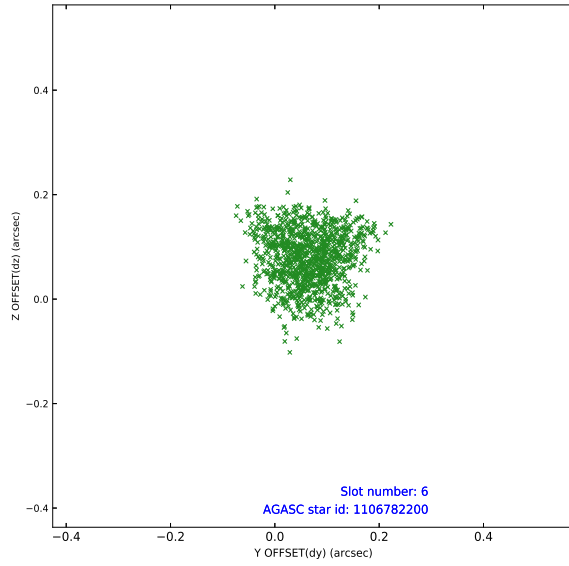
2.4.2 Slot 4



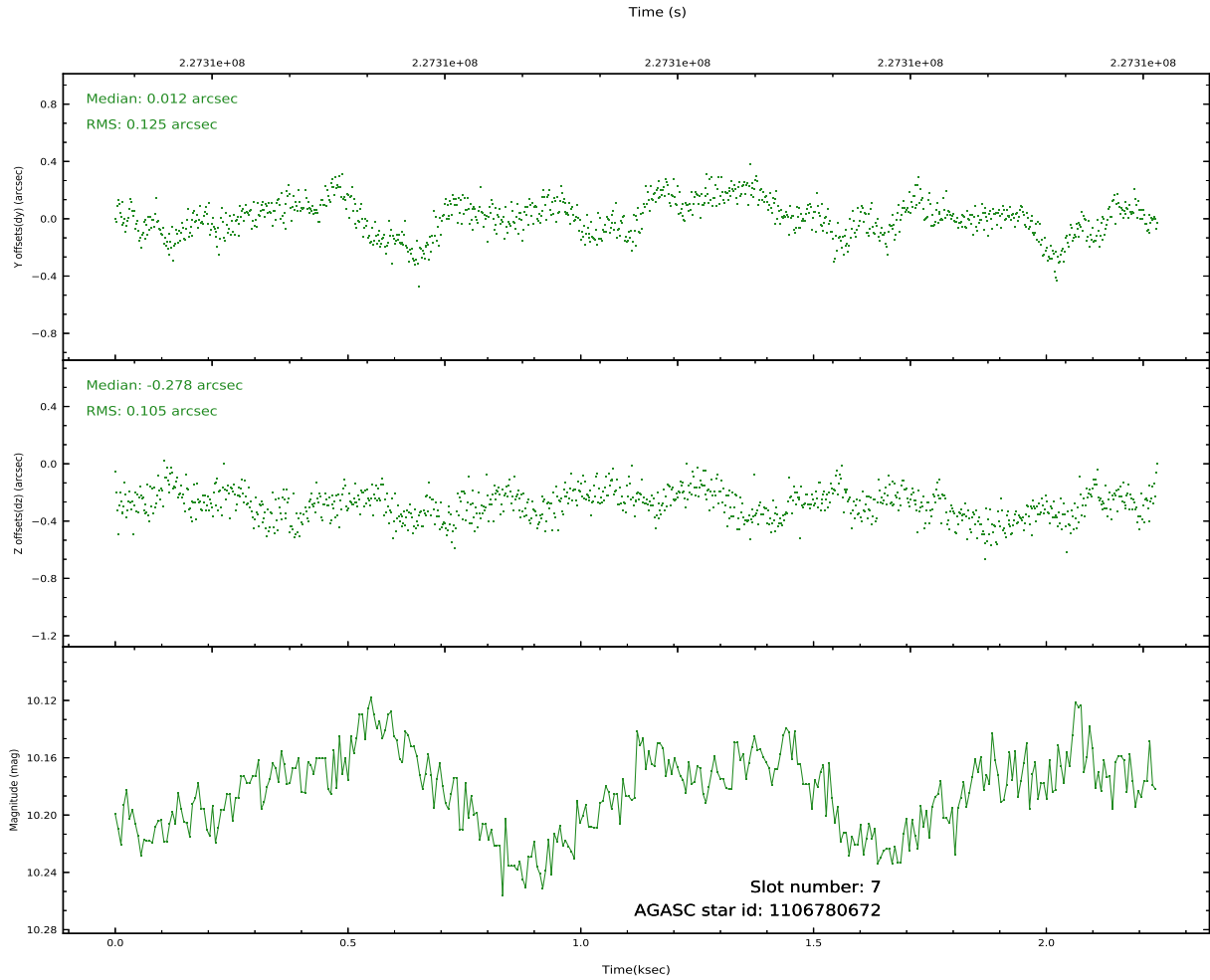
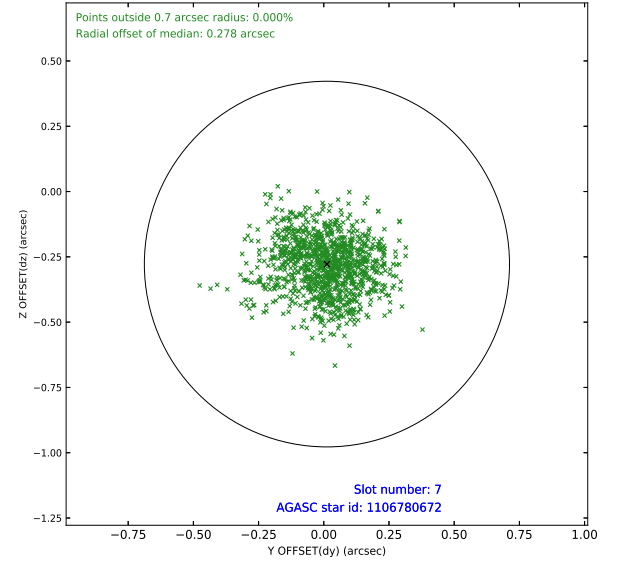
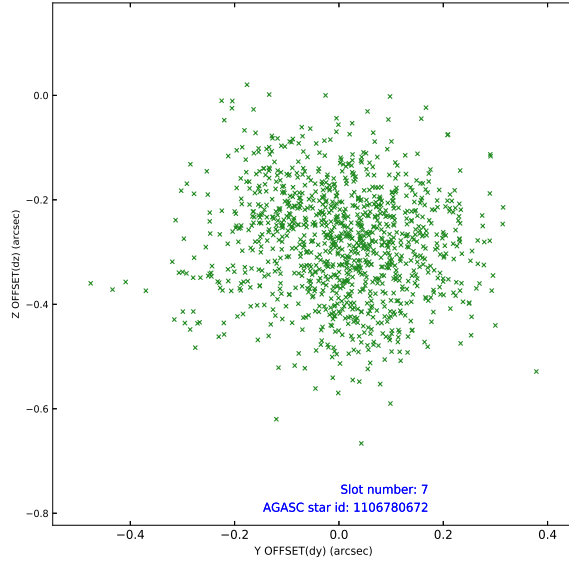
2.4.3 Slot 5



2.4.4 Slot 6

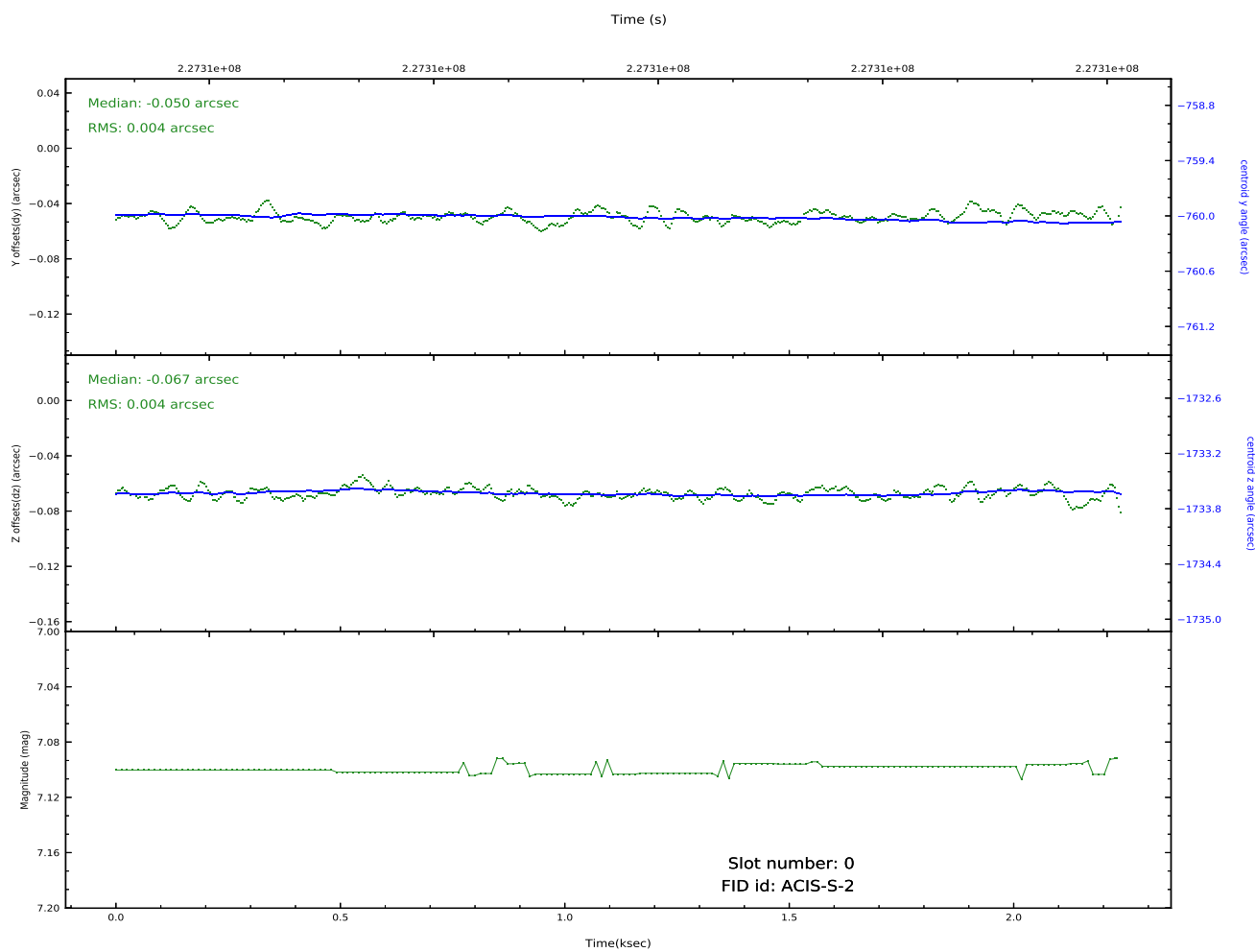
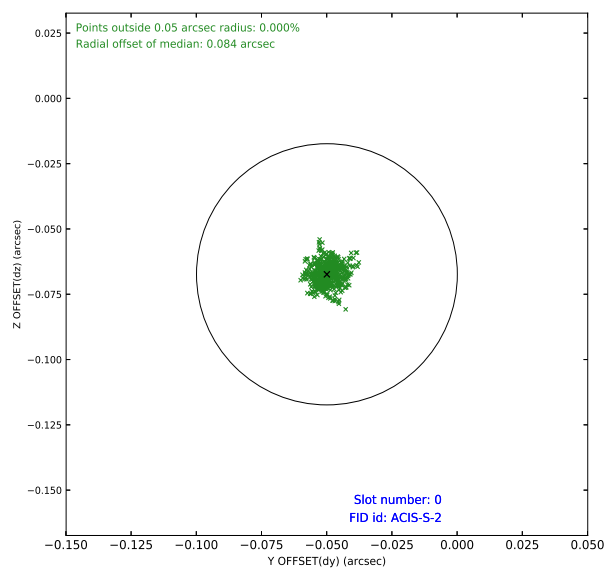
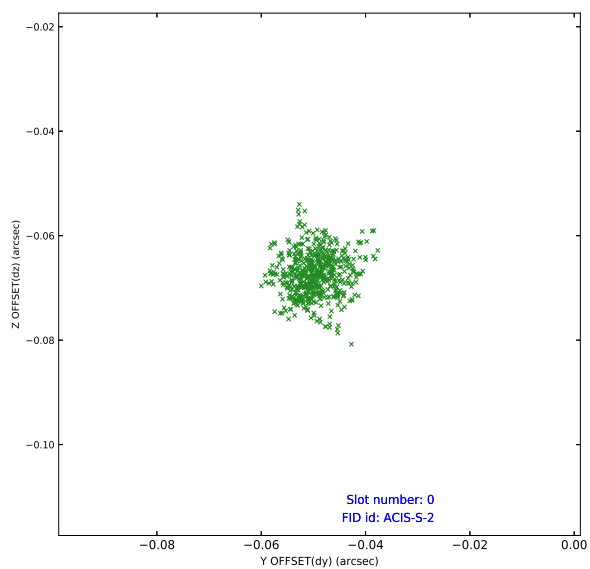


2.4.5 Slot 7

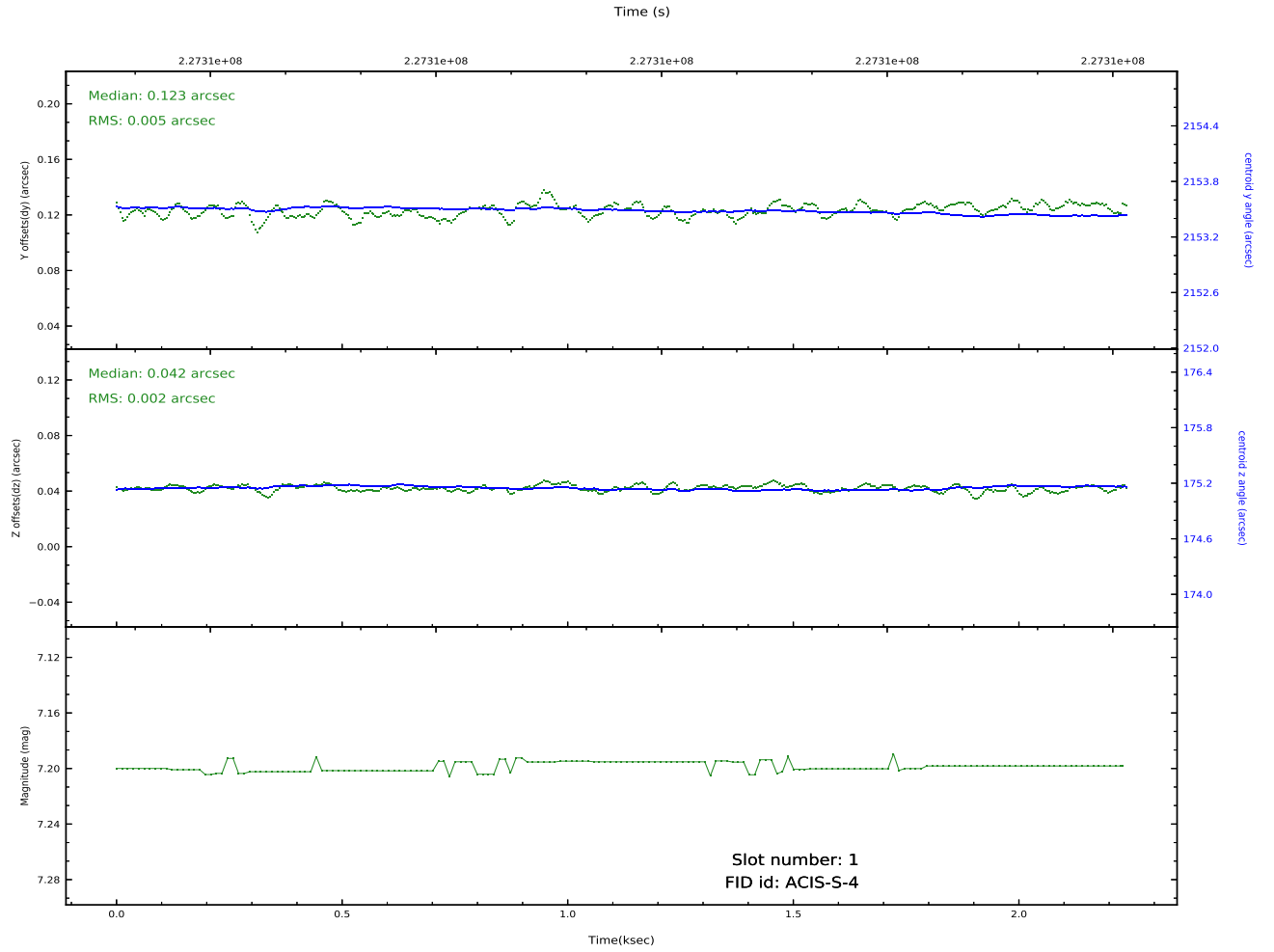
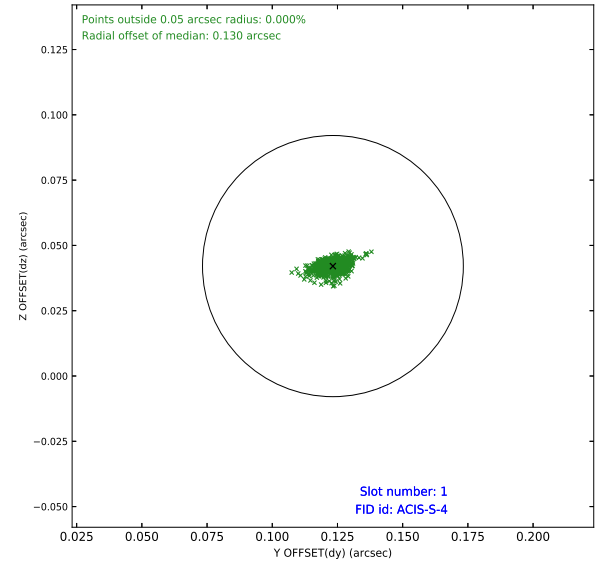
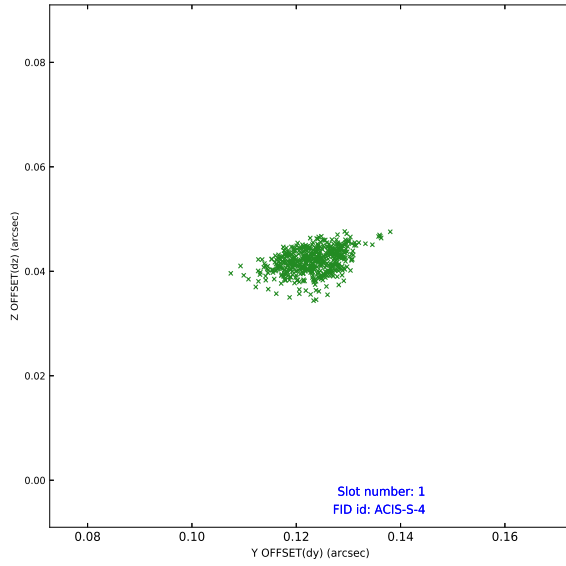


2.5 FID Slots

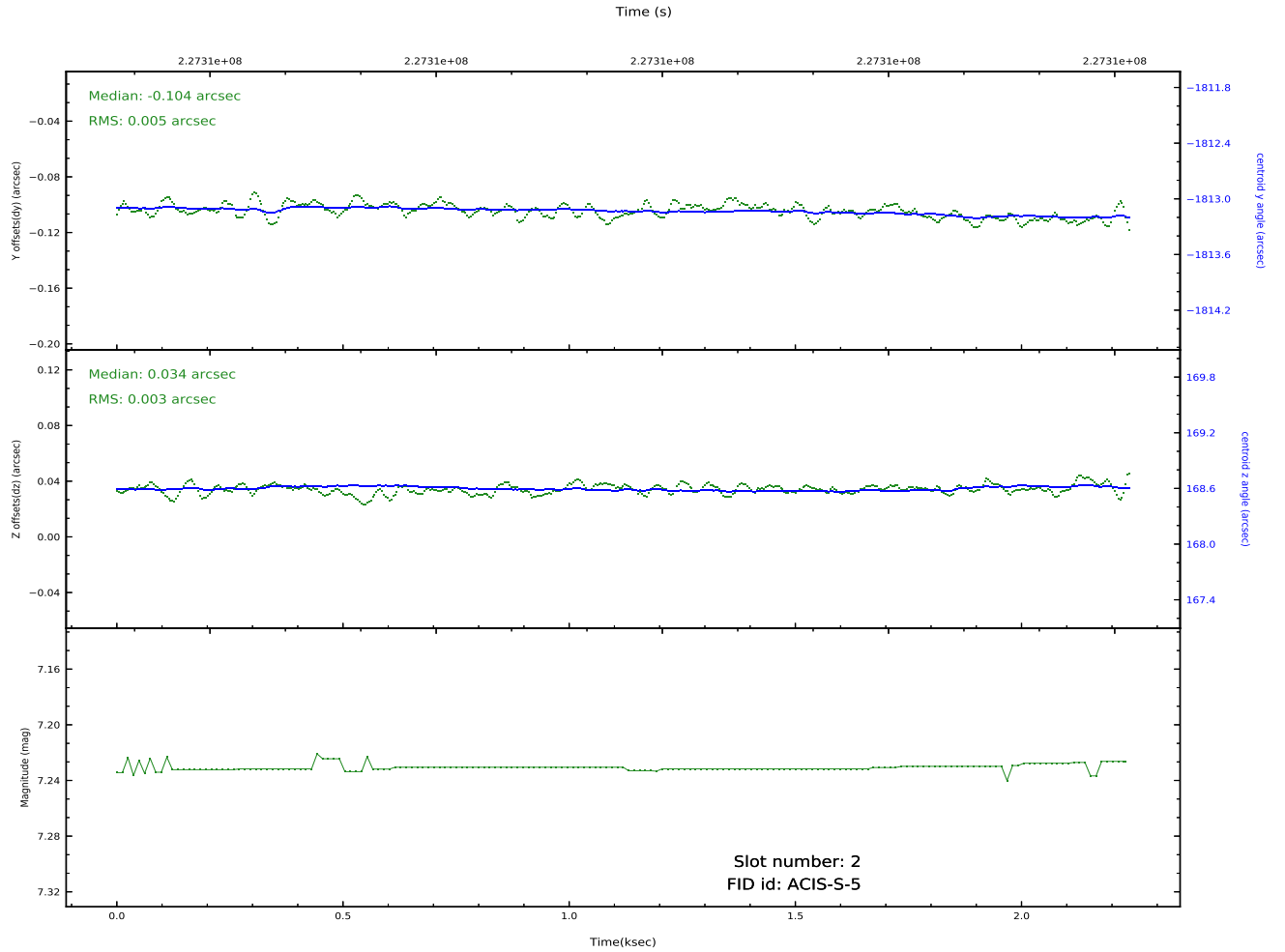
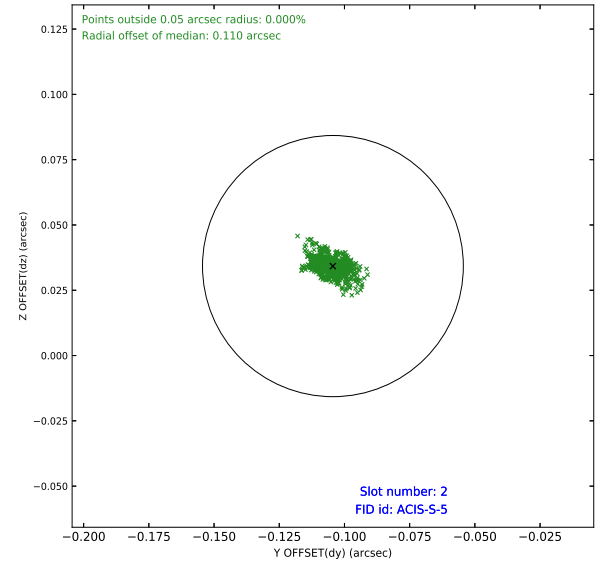
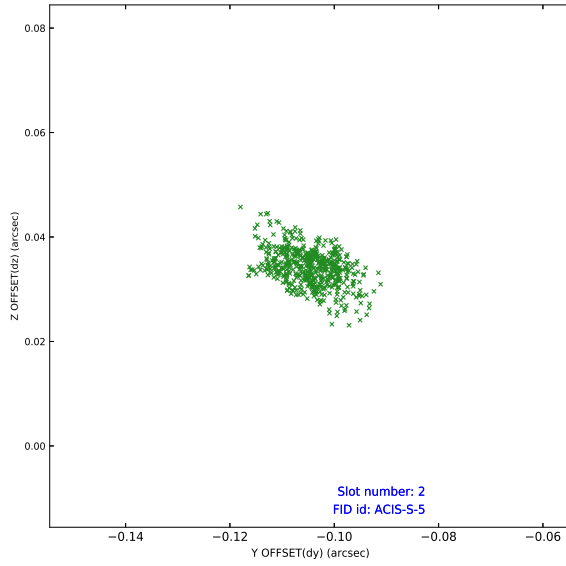
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.235099

A.2 Comments