

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19366 - L2 Version 2
Chandra X-Ray Center

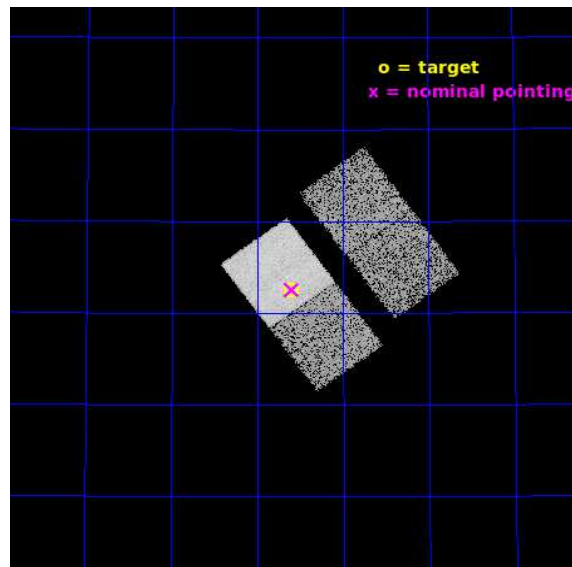
L2 Processing Date : Oct 25 2020

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1 Front

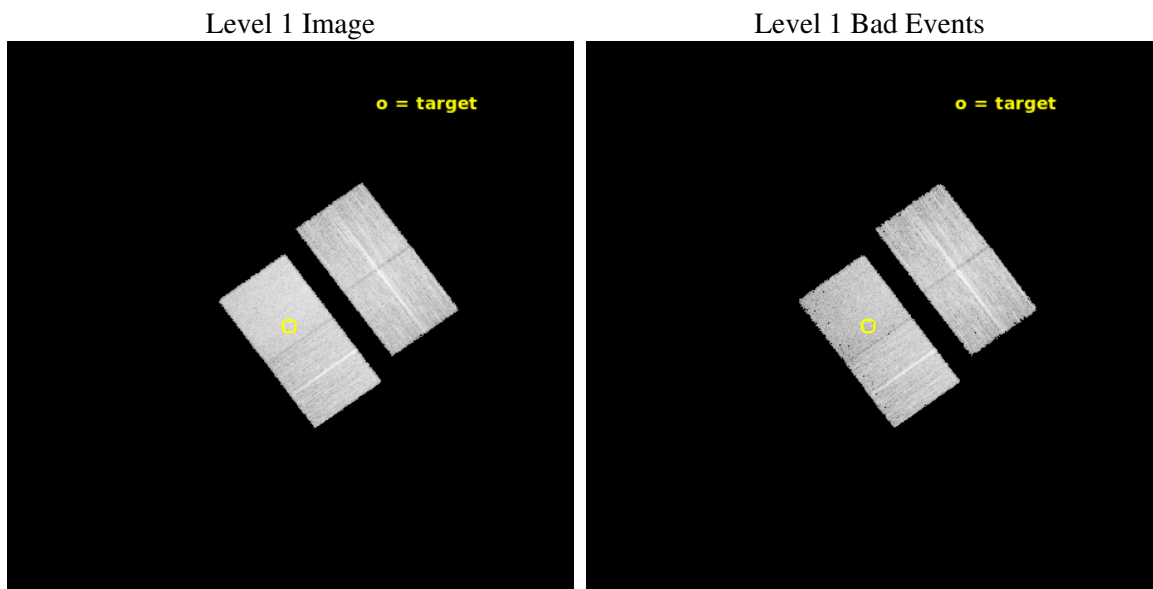
seq_num	601323	Sequence number
obs_id	19366	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 3992	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.4	Observer's specified target RA [deg]
dec_targ	53.374528	Observer's specified target Dec [deg]
ra_nom	179.39938838637	Nominal RA [deg]
dec_nom	53.37597032252	Nominal Dec [deg]
roll_nom	233.87593701904	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10068.800077558	Sum of GTIs [s]
livetime	9937.2437920015	Livetime [s]
ontime2	10068.800077558	Sum of GTIs [s]
ontime3	10068.800077558	Sum of GTIs [s]
ontime6	10068.800077558	Sum of GTIs [s]
ontime7	10068.800077558	Sum of GTIs [s]
l2events	60095	Number of level 2 events



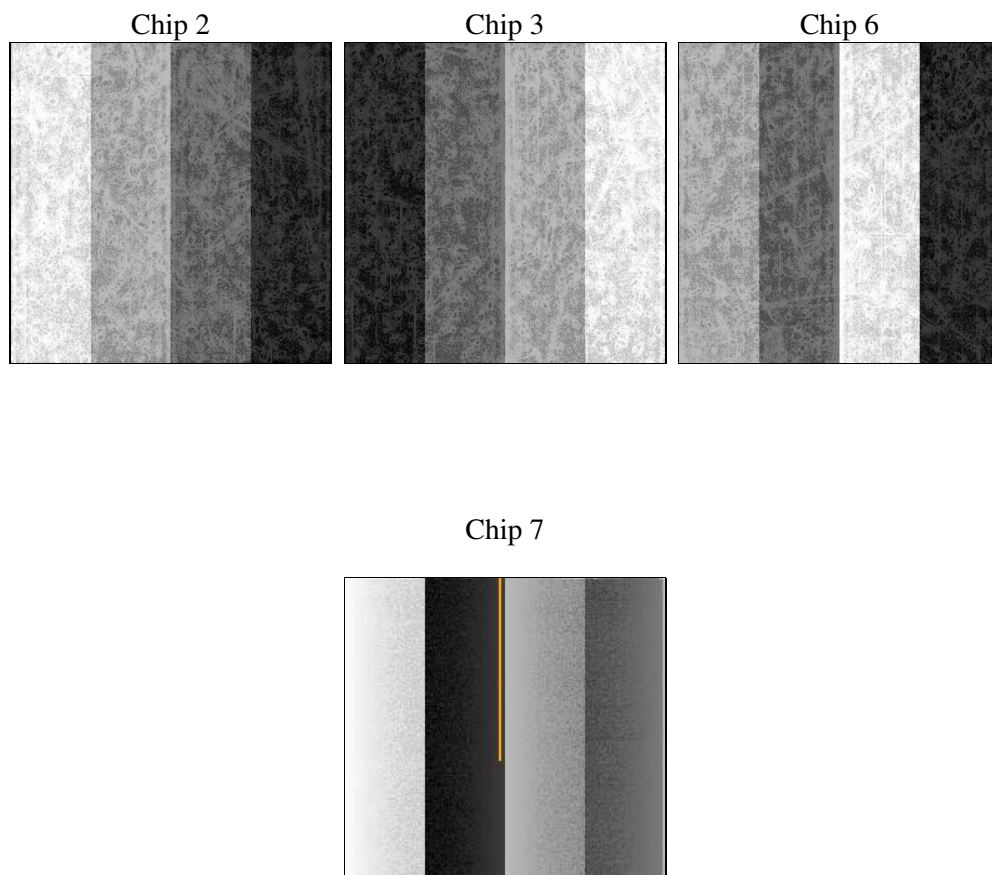
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10068.800077558	Sum of GTIs [s]
caldsver	4.9.3	 	ontime2	10068.800077558	Sum of GTIs [s]
date	2020-10-26T00:12:03	Date and time of file creation	ontime3	10068.800077558	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10068.800077558	Sum of GTIs [s]
			ontime7	10068.800077558	Sum of GTIs [s]
			l1events	326033	Number of level 1 events

2.1.4 Events

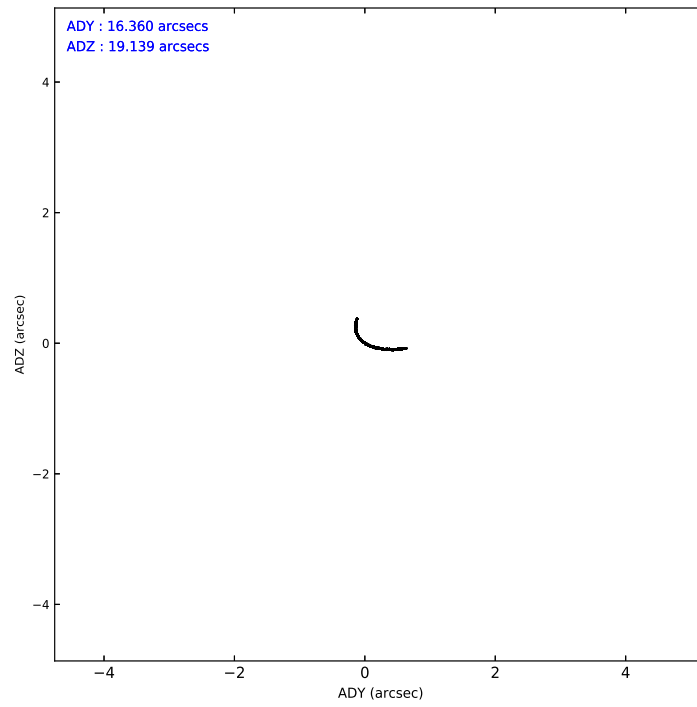
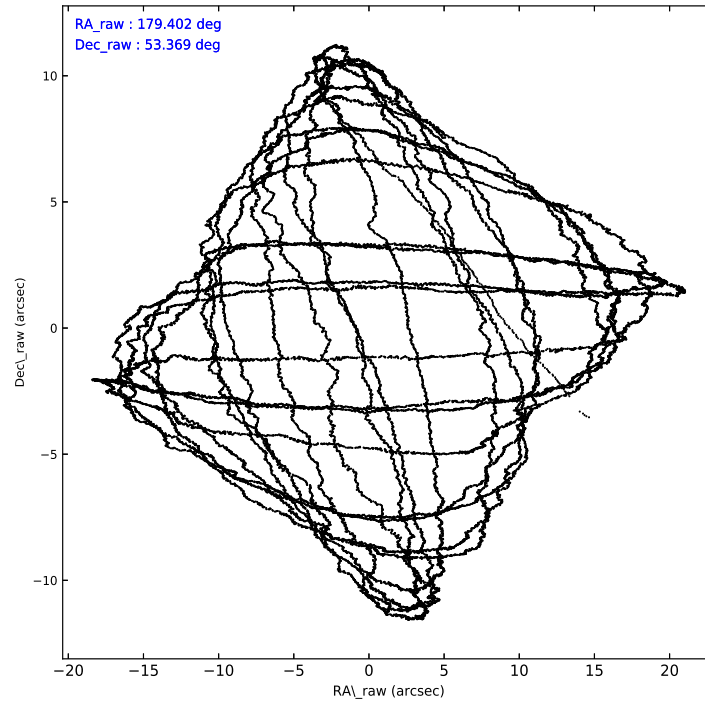
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	76615	74643	79528	95247
rejected events	69126	67148	71138	54146
rejected %	90%	89%	89%	56%

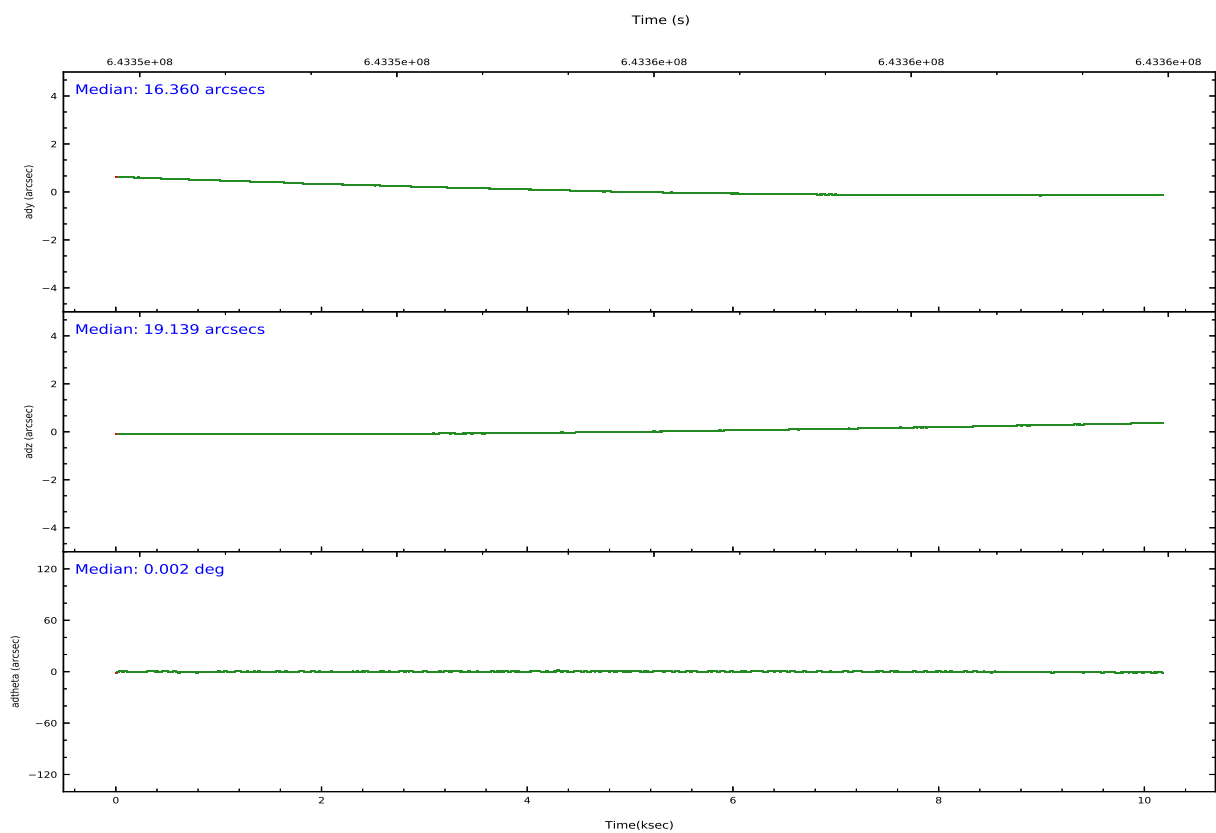
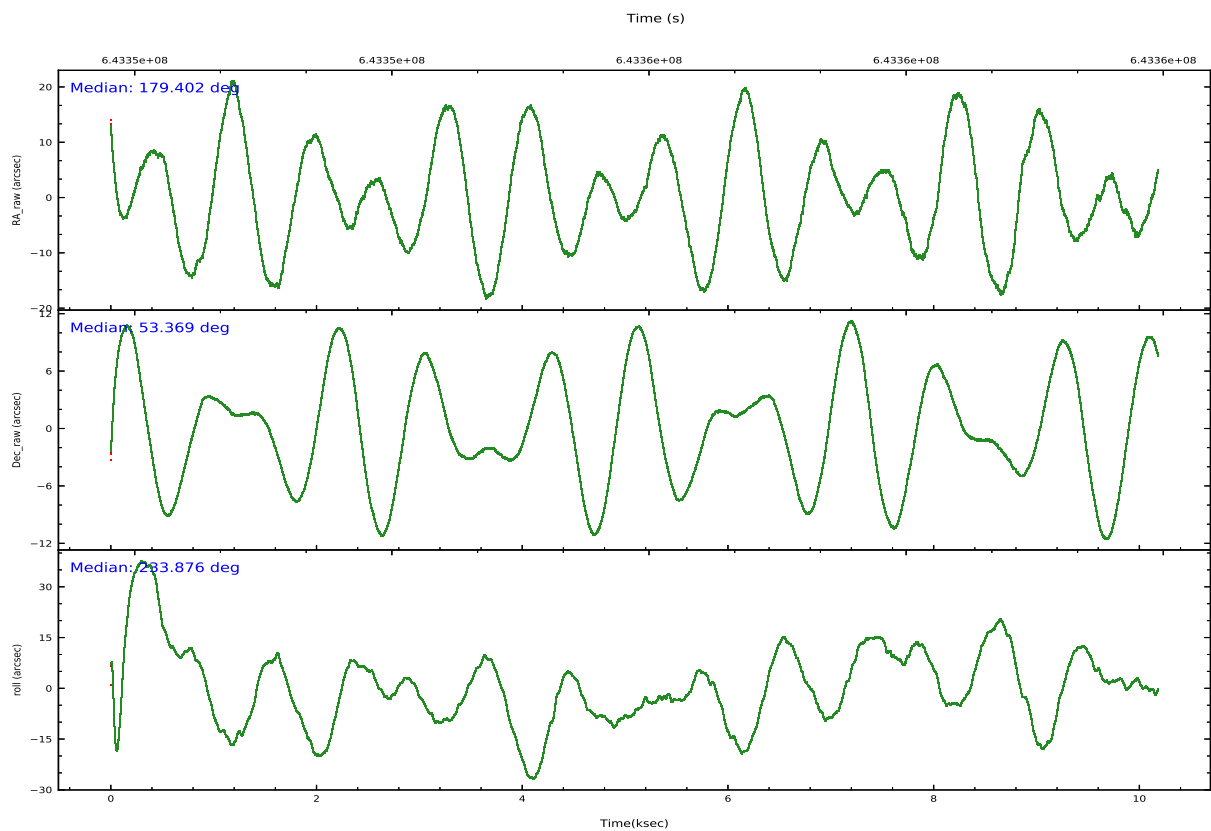
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2671	2533	2529	3448
	3%	3%	3%	3%
grade 1 events	53	39	22	124
	0%	0%	0%	0%
grade 2 events	1766	1616	2228	8402
	2%	2%	2%	8%
grade 3 events	768	774	717	3338
	1%	1%	0%	3%
grade 4 events	788	851	730	3101
	1%	1%	0%	3%
grade 5 events	2757	3287	3181	9329
	3%	4%	3%	9%
grade 6 events	1498	1723	2190	22838
	1%	2%	2%	23%
grade 7 events	66314	63820	67931	44667
	86%	85%	85%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-2367	ACIS-2367	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	179.406405	179.39938838637	Subarray requested	NONE	NONE
[deg] Pointing Dec	53.396114	53.37597032252	Alternating exposures requested	N	N
[deg] Pointing Roll	233.721087	233.87593701904	[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)	643349950.184000	643348927.05871			
Observation start date	2018-05-22T04:18:01	2018-05-22T04:02:07			
[s] Observation end time (MET)	643359950.184000	643360624.8719			
Observation end date	2018-05-22T07:04:41	2018-05-22T07:17:04			
Read mode	TIMED	TIMED			

2.3 Aspect



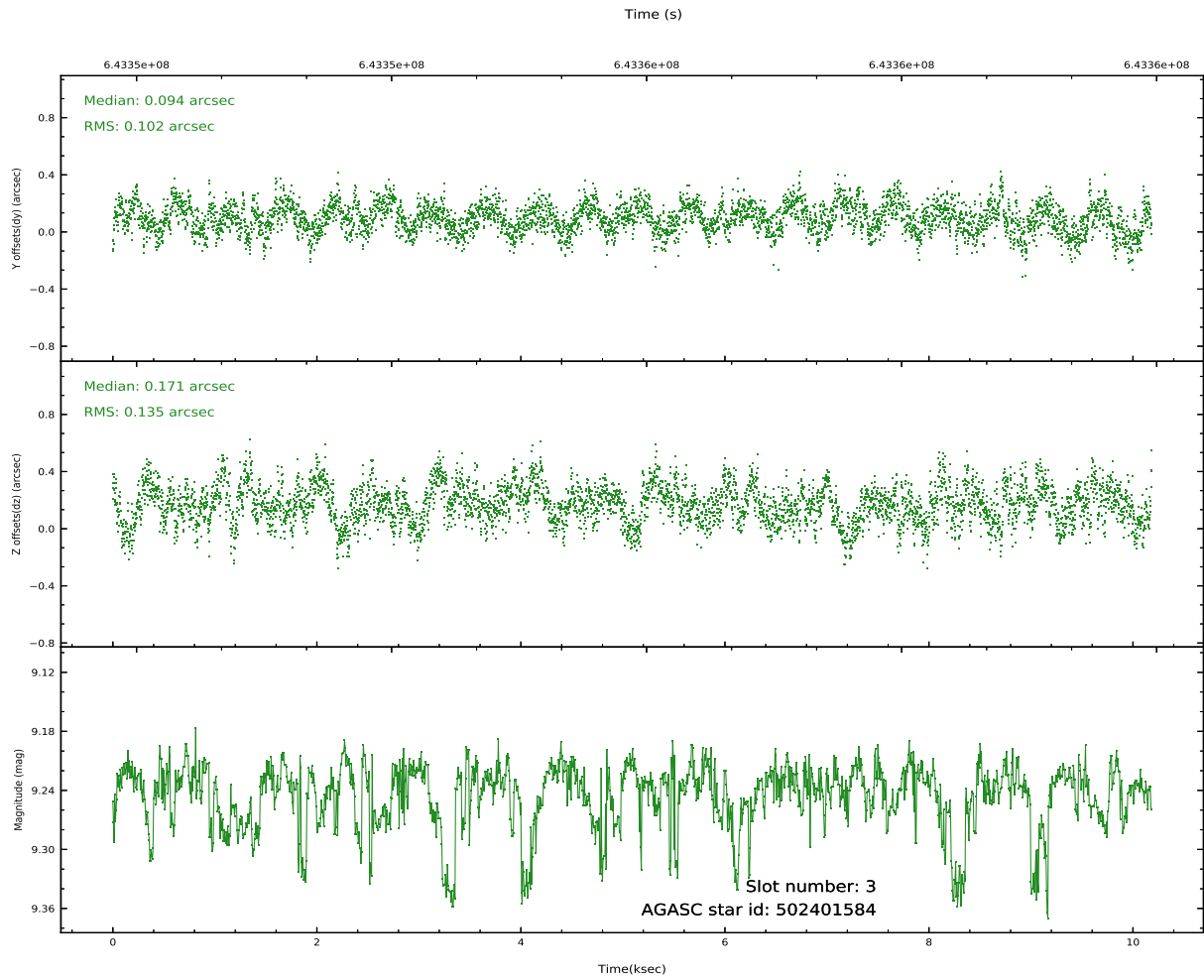
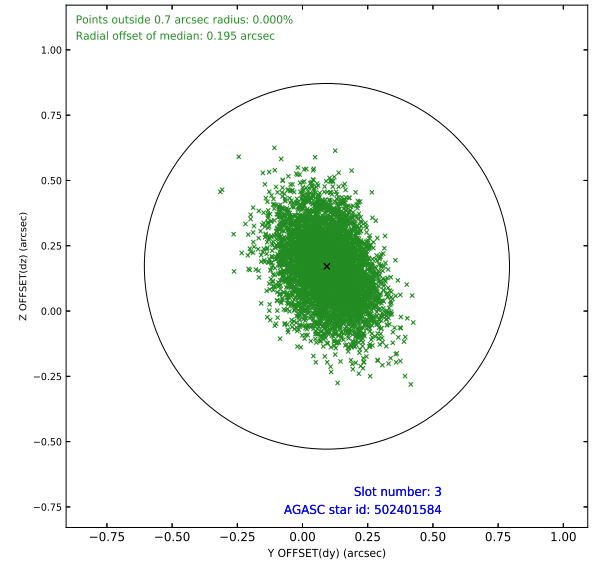
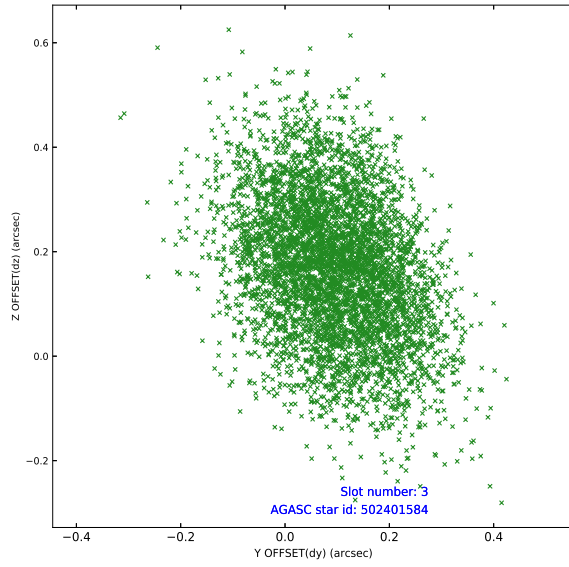


Slot Statistics

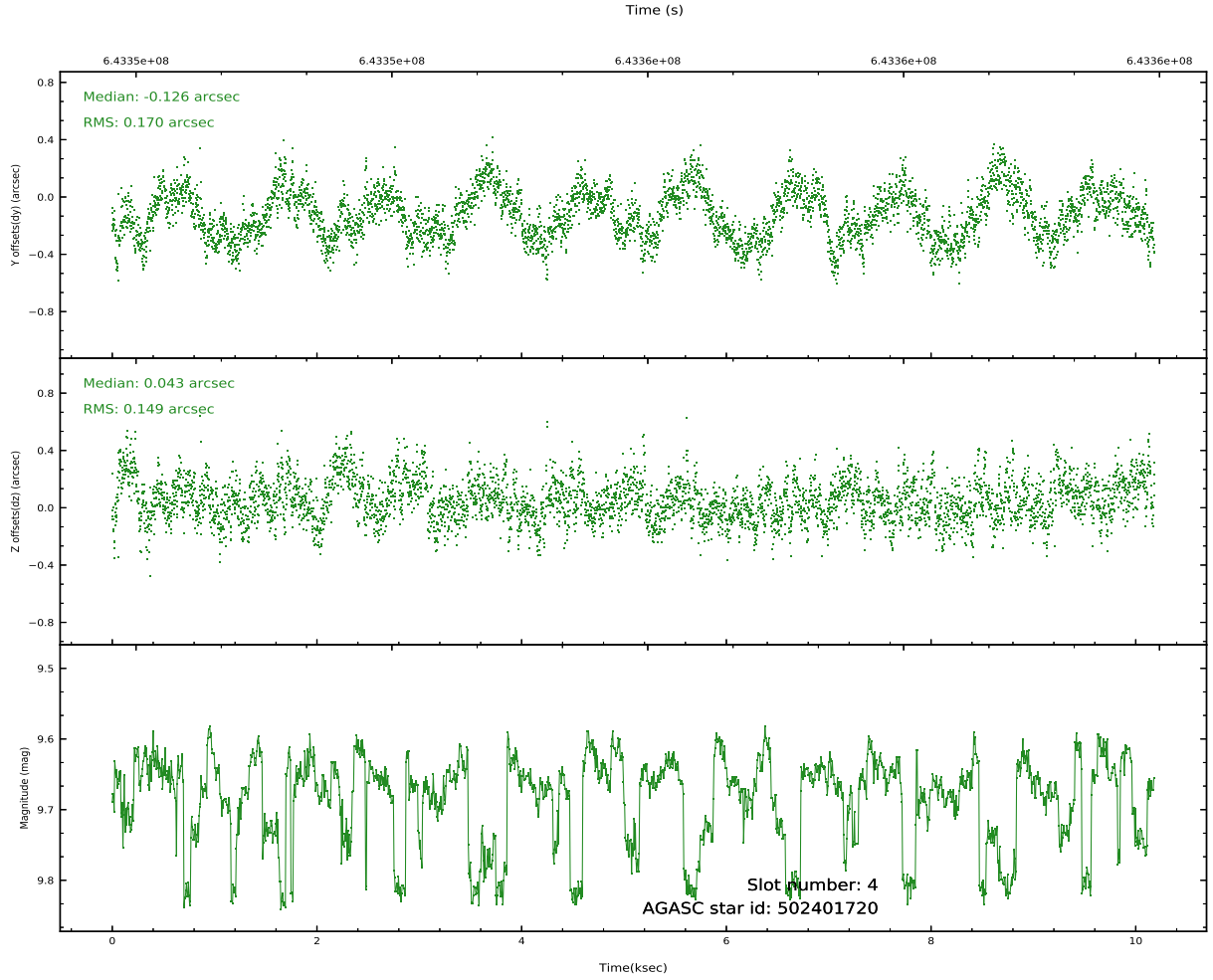
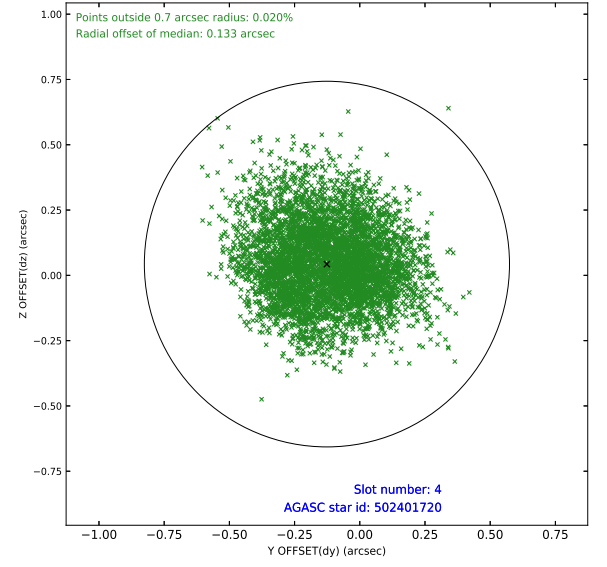
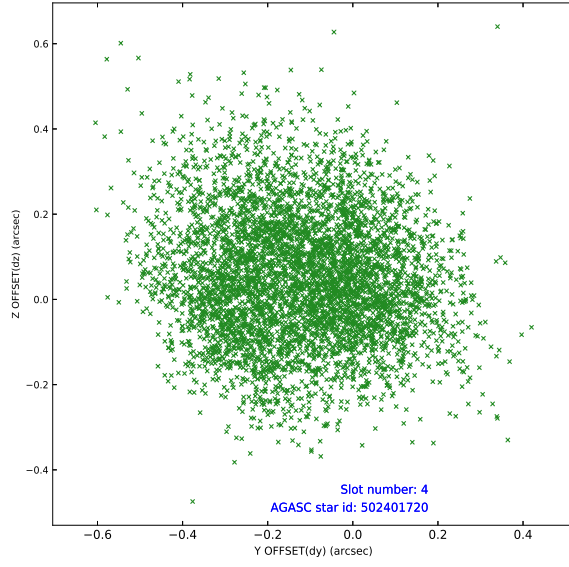
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.13	2484	1.000	0.094	-0.109	0.011	0.018	0.000000	0.000000	-769.56	-1740
1	FID		ACIS-S-4	7.23	2484	1.000	0.158	-0.016	0.006	0.012	0.000000	0.000000	2143.75	167
2	FID		ACIS-S-5	7.21	2484	1.000	-0.282	0.134	0.013	0.020	0.000000	0.000000	-1821.91	161
3	GUIDE	used	502401584	9.24	4963	1.000	0.094	0.171	0.180	0.292	179.380038	53.554192	-424.99	-381
4	GUIDE	used	502401720	9.67	4954	1.000	-0.126	0.043	0.244	0.377	179.974751	53.193731	-141.40	1416
5	GUIDE	used	502402184	8.47	4967	1.000	-0.014	-0.212	0.163	0.281	179.210348	53.093092	1129.99	304
6	GUIDE	used	502405416	9.65	4960	1.000	-0.102	0.022	0.233	0.377	179.648809	52.584345	2042.30	2157
7	GUIDE	used	502406624	9.66	4957	1.000	0.140	-0.037	0.228	0.375	179.046709	52.830332	2104.81	574

2.4 Star Slots

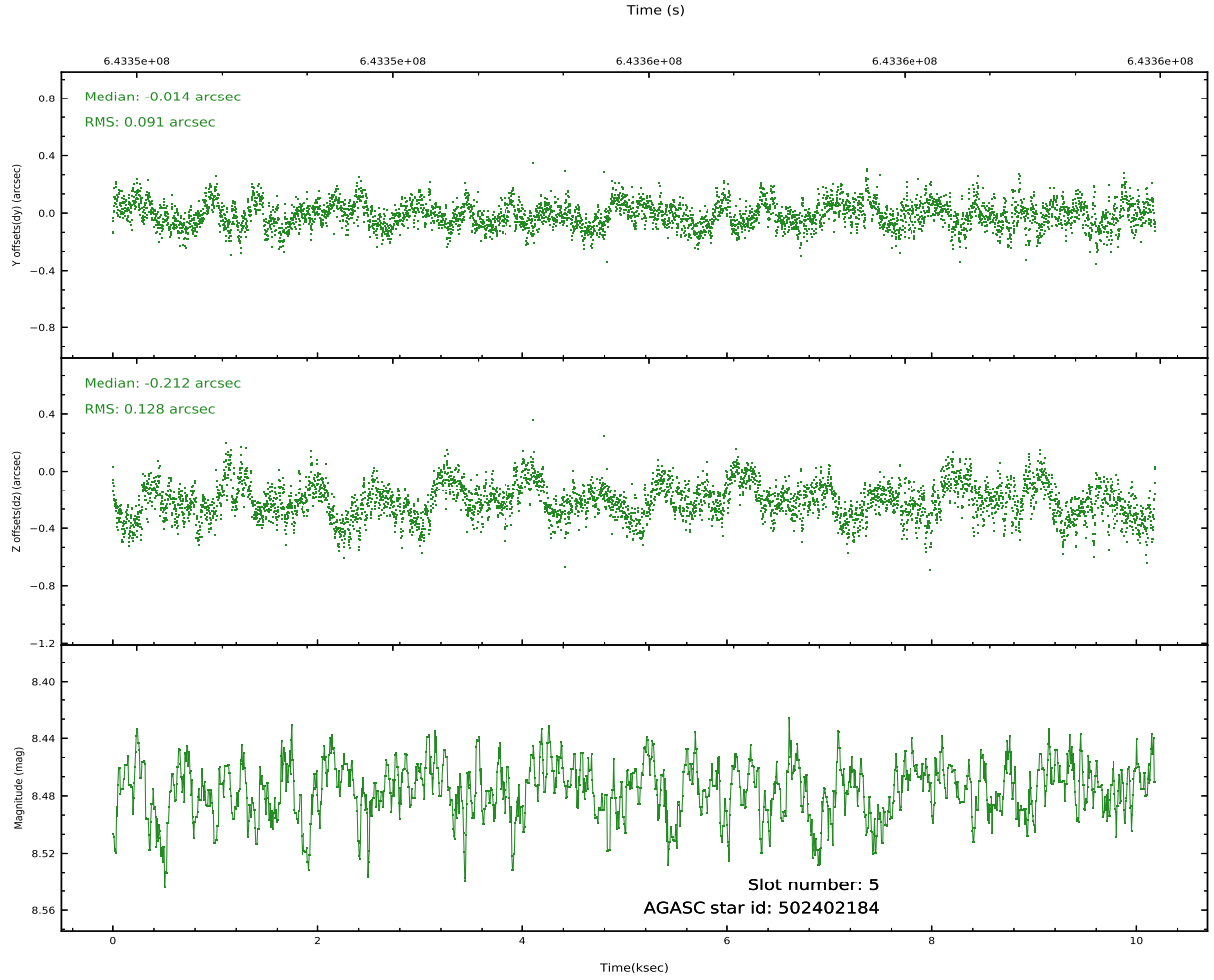
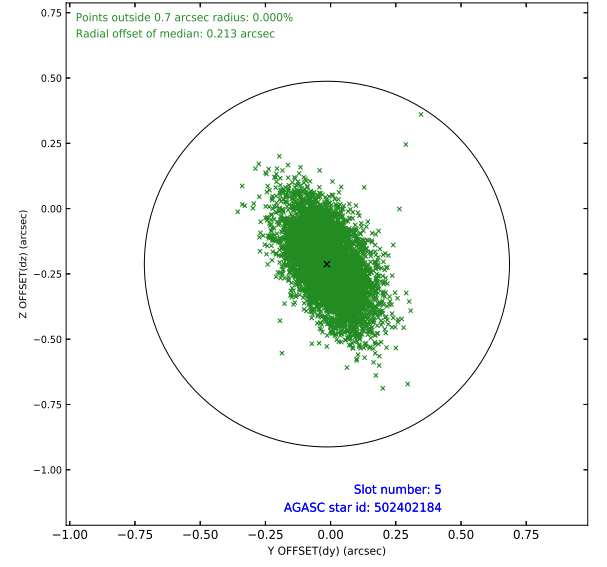
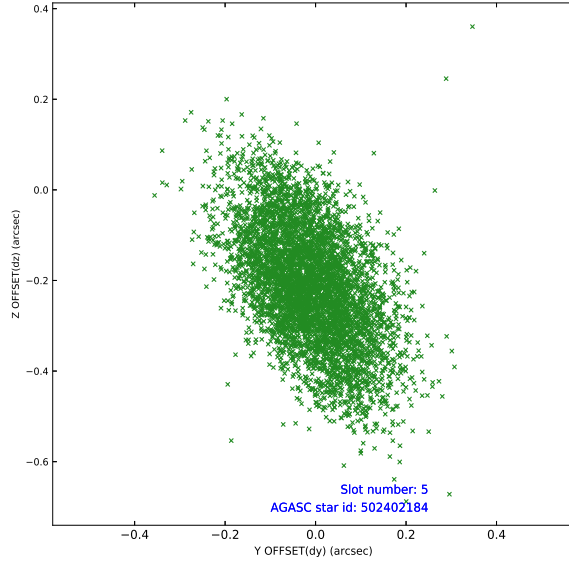
2.4.1 Slot 3



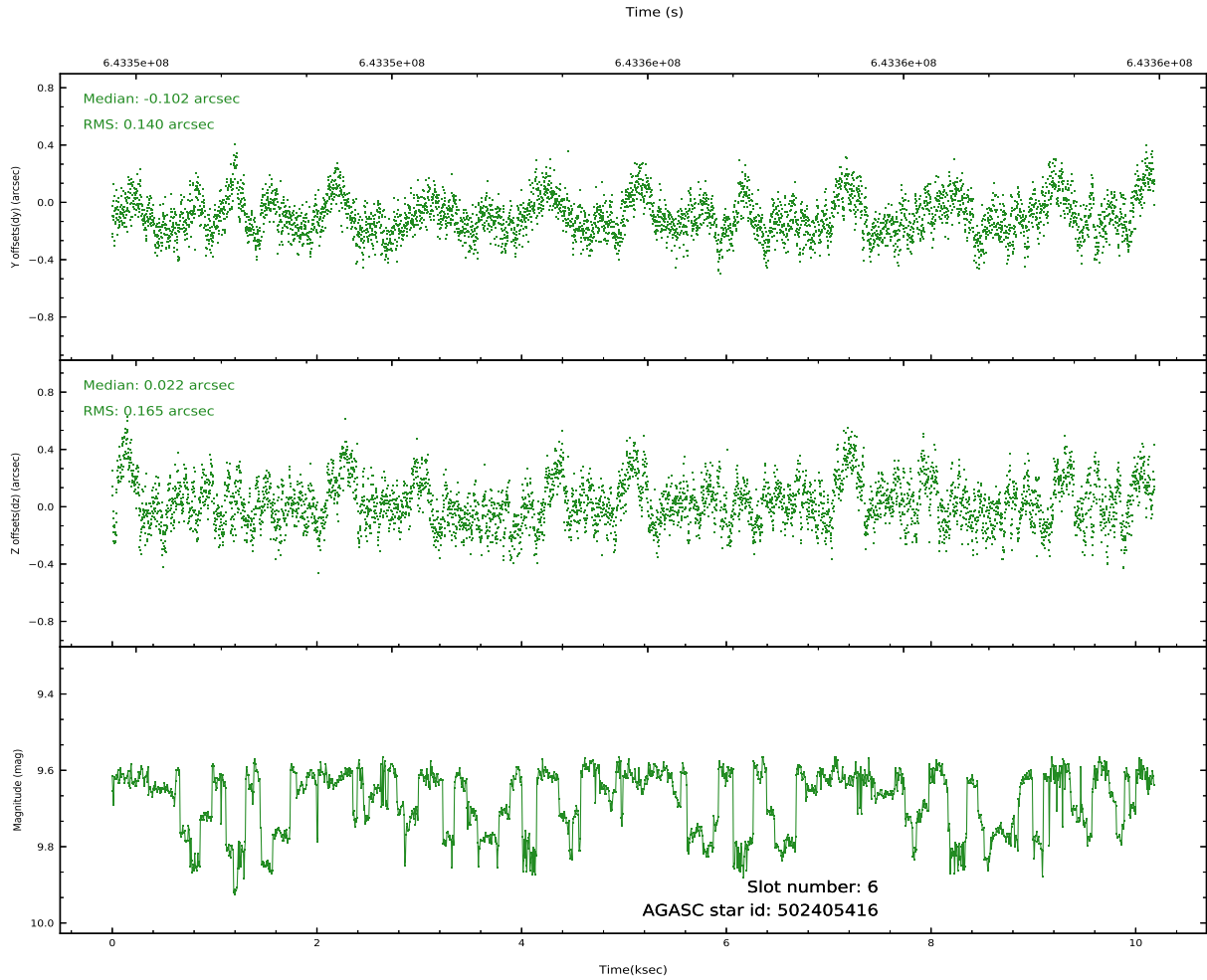
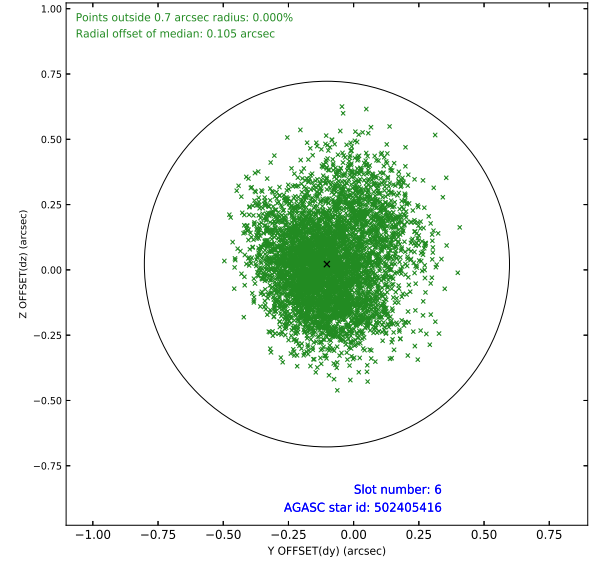
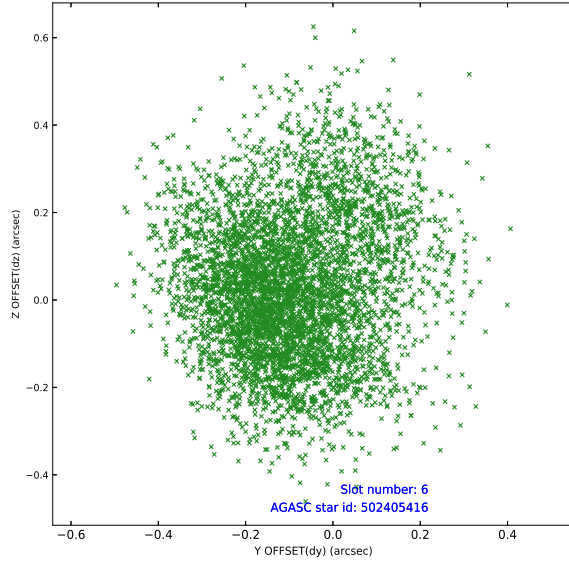
2.4.2 Slot 4



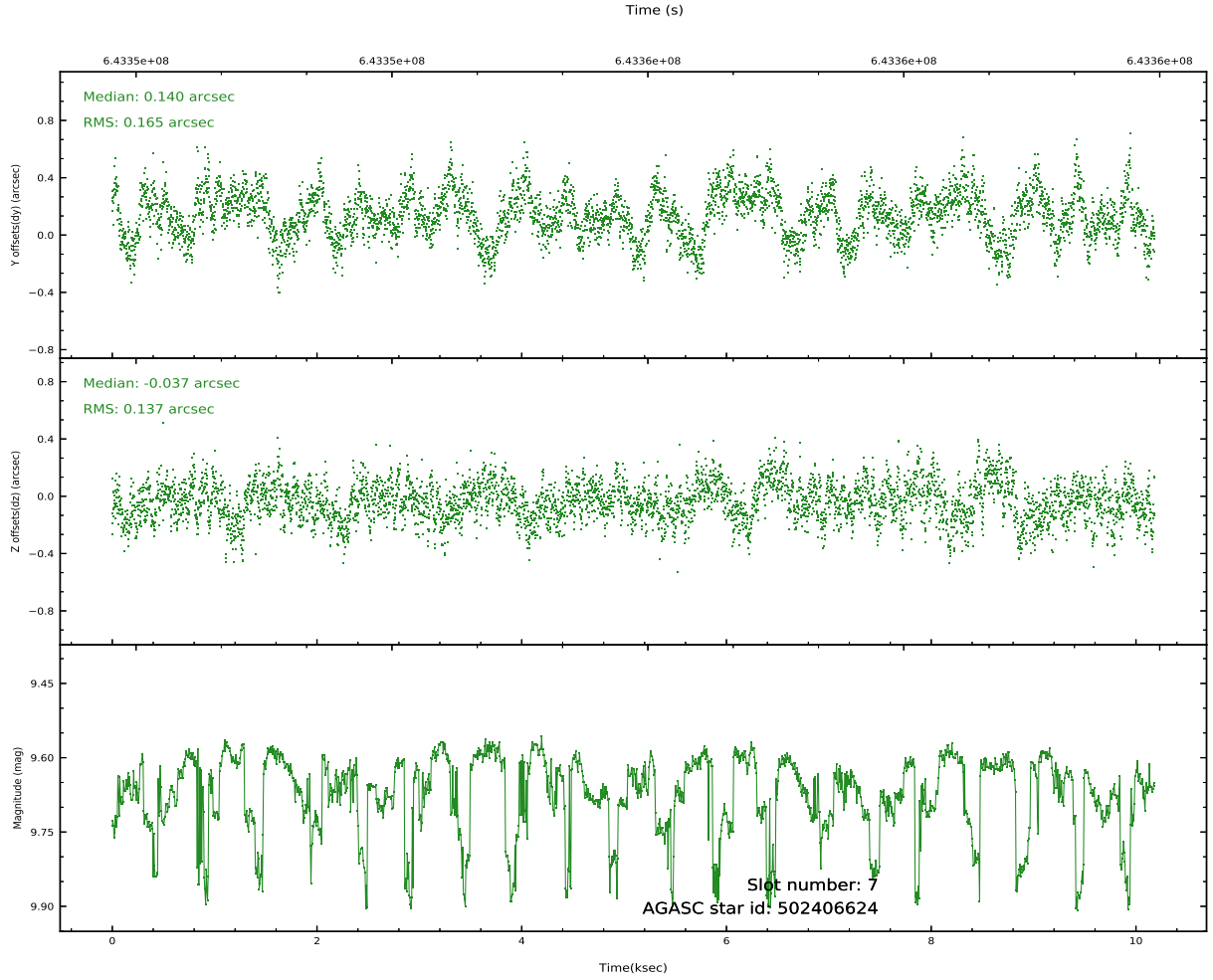
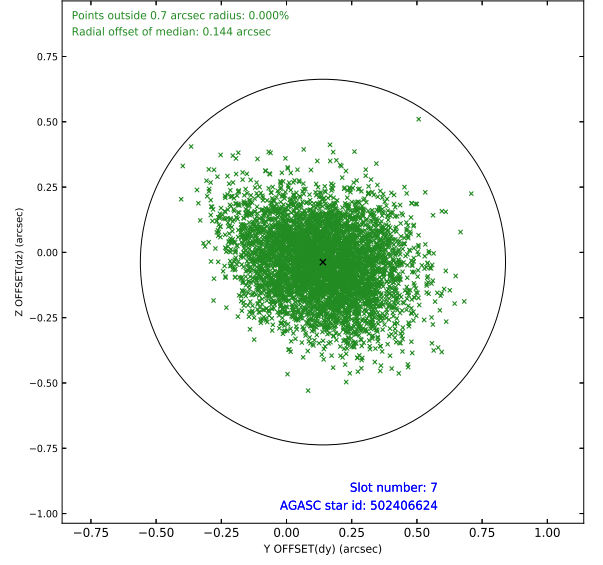
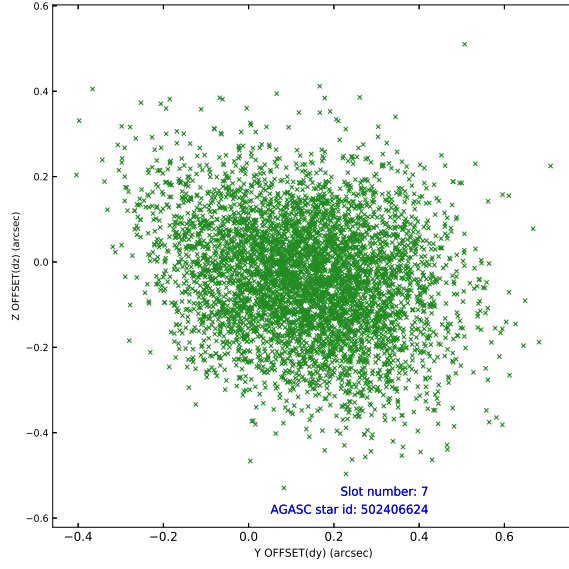
2.4.3 Slot 5



2.4.4 Slot 6

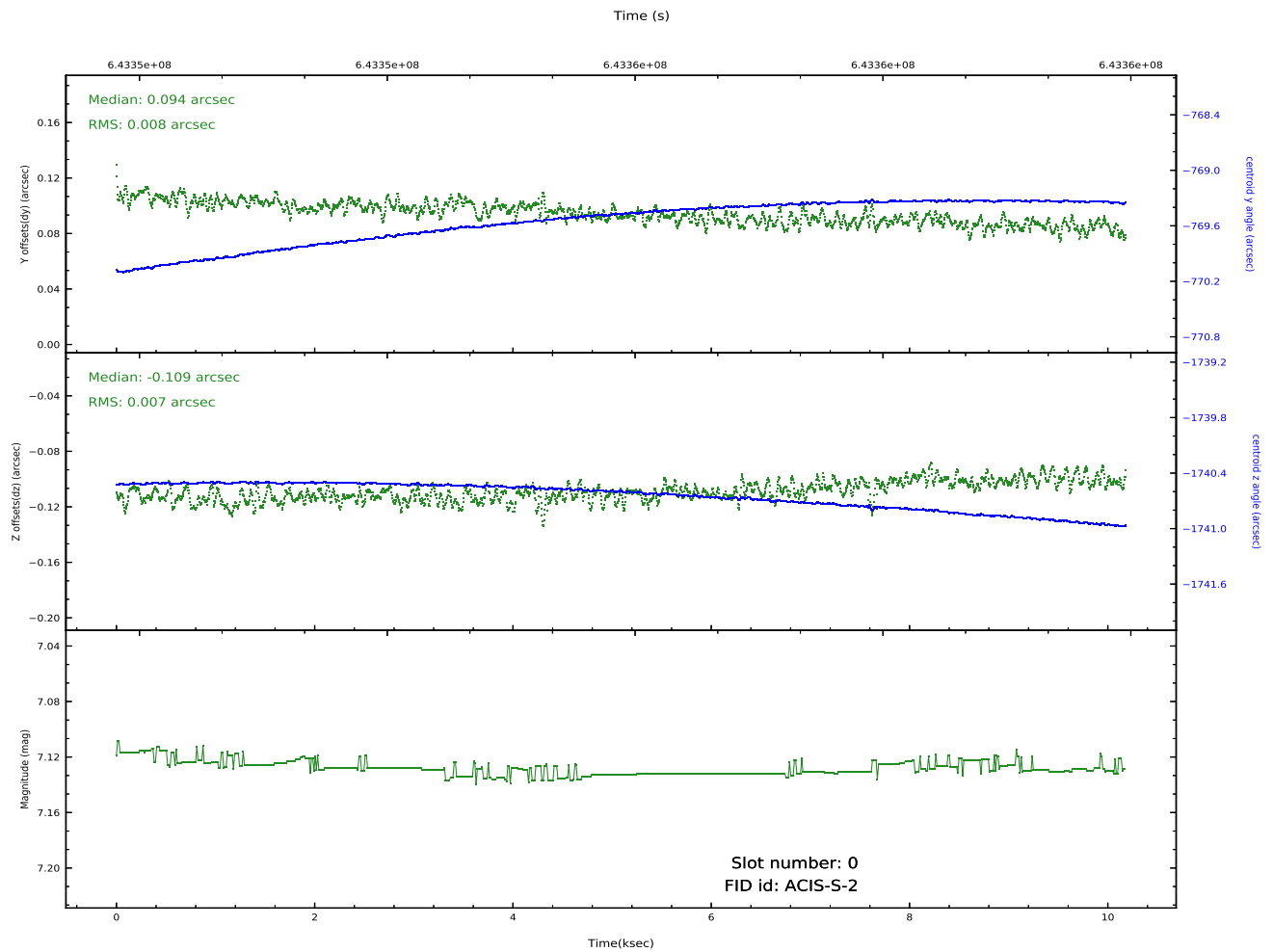
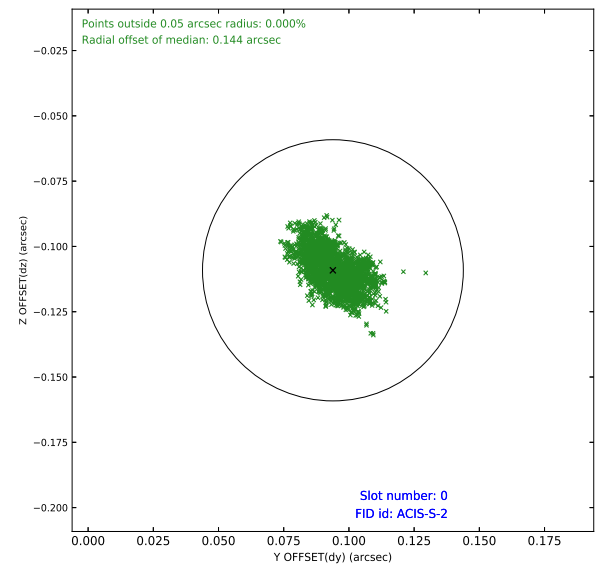
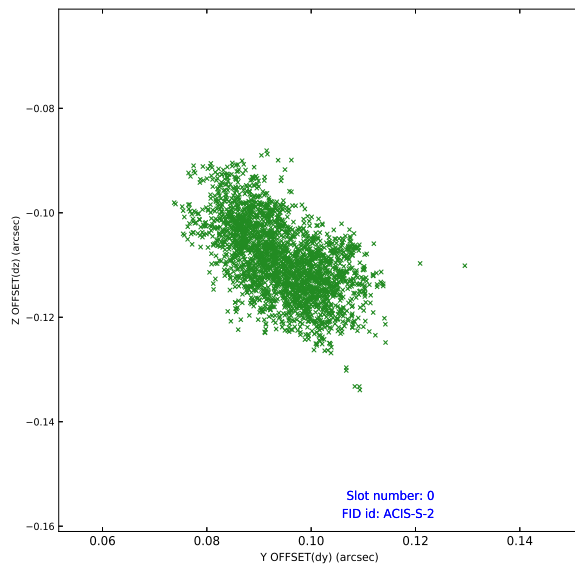


2.4.5 Slot 7

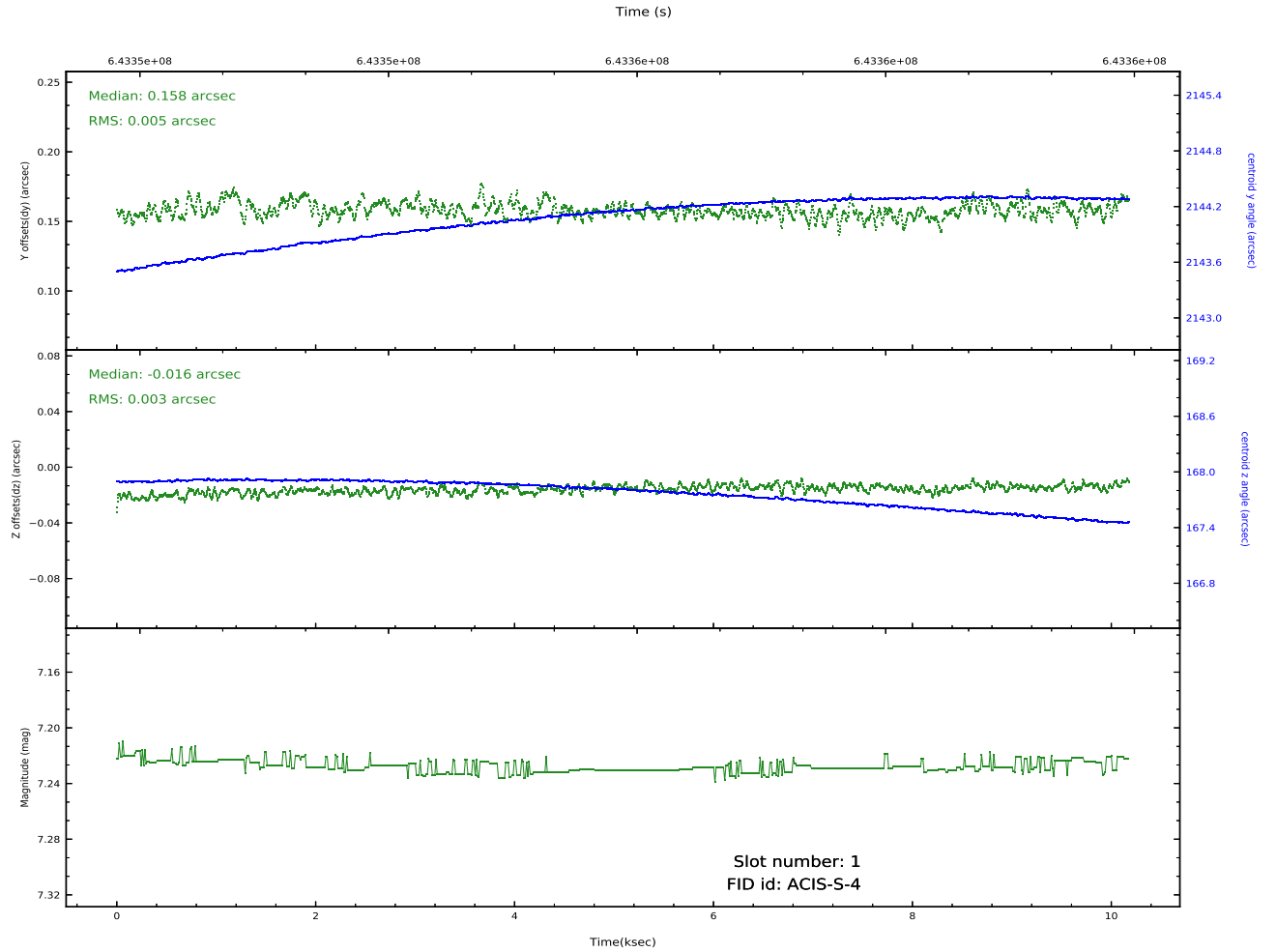
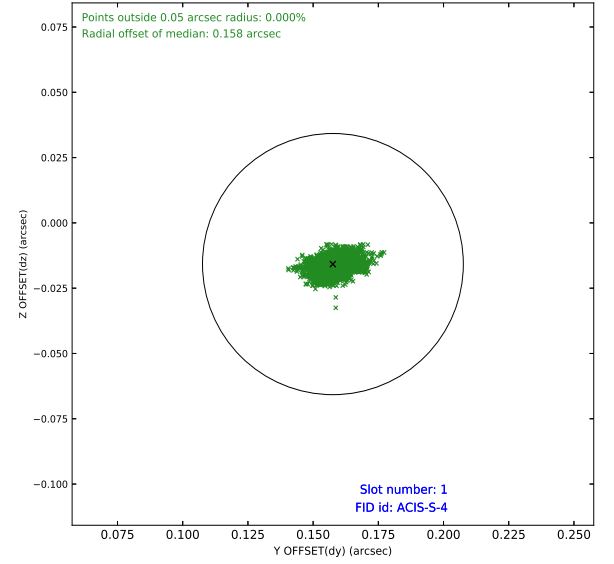
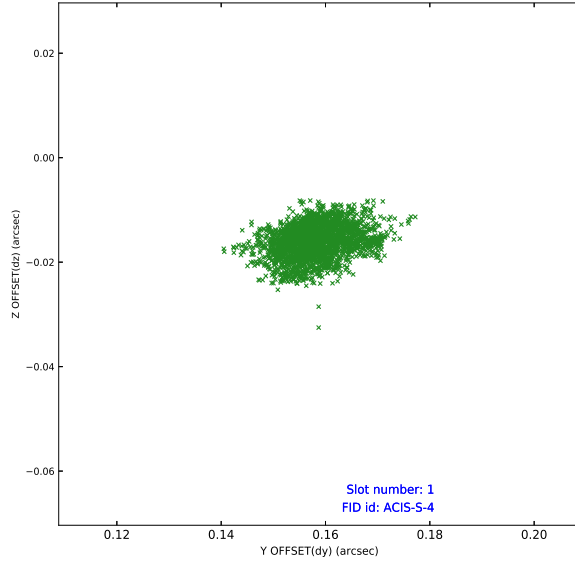


2.5 FID Slots

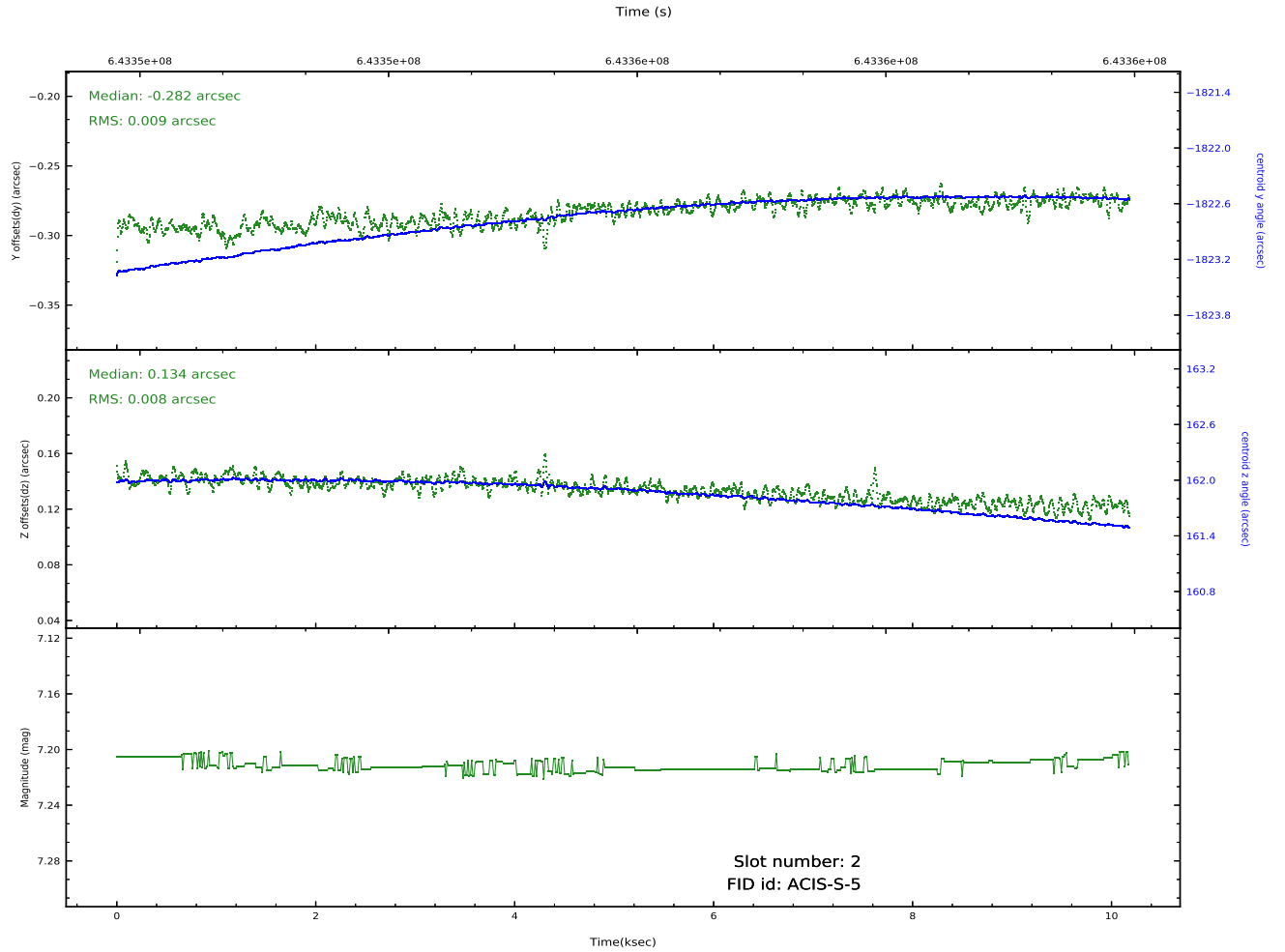
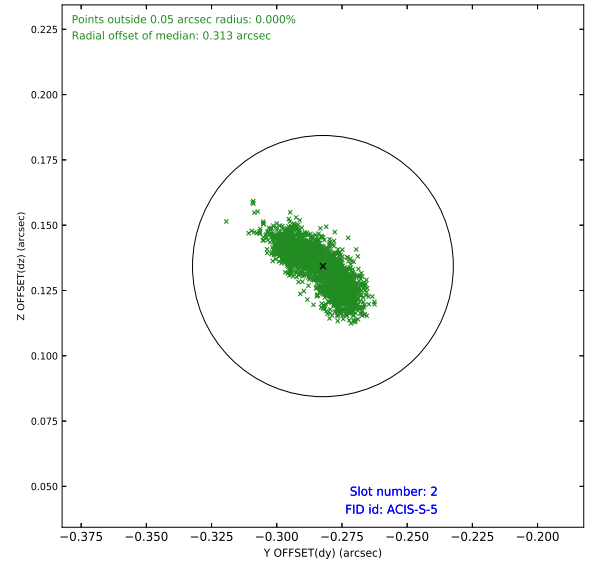
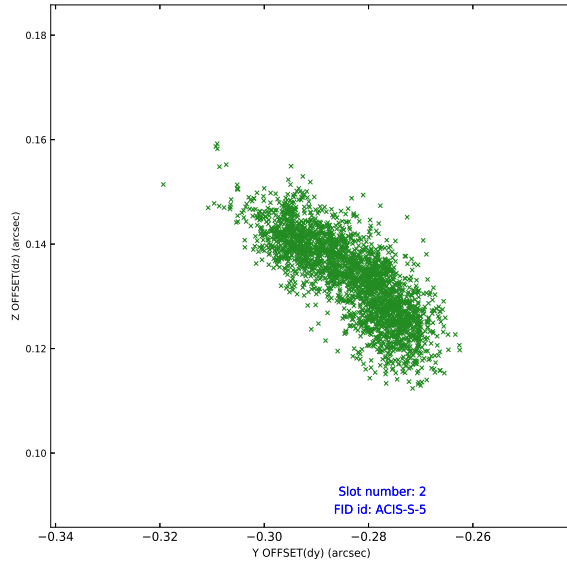
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.068800077558

A.2 Comments