

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20435 - L2 Version 2
Chandra X-Ray Center

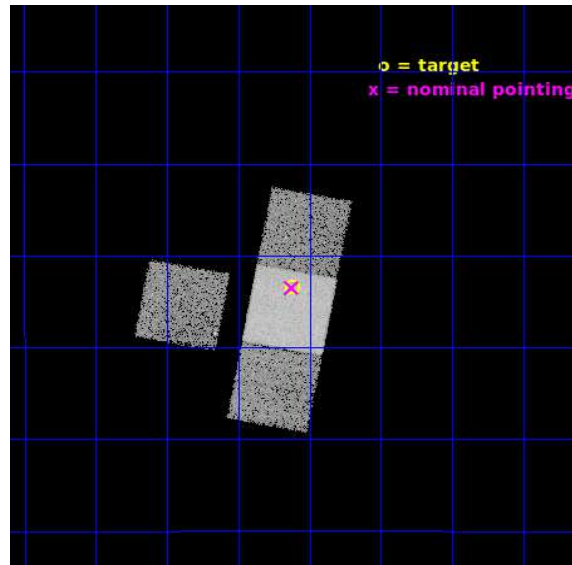
L2 Processing Date : Oct 25 2020

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1 Front

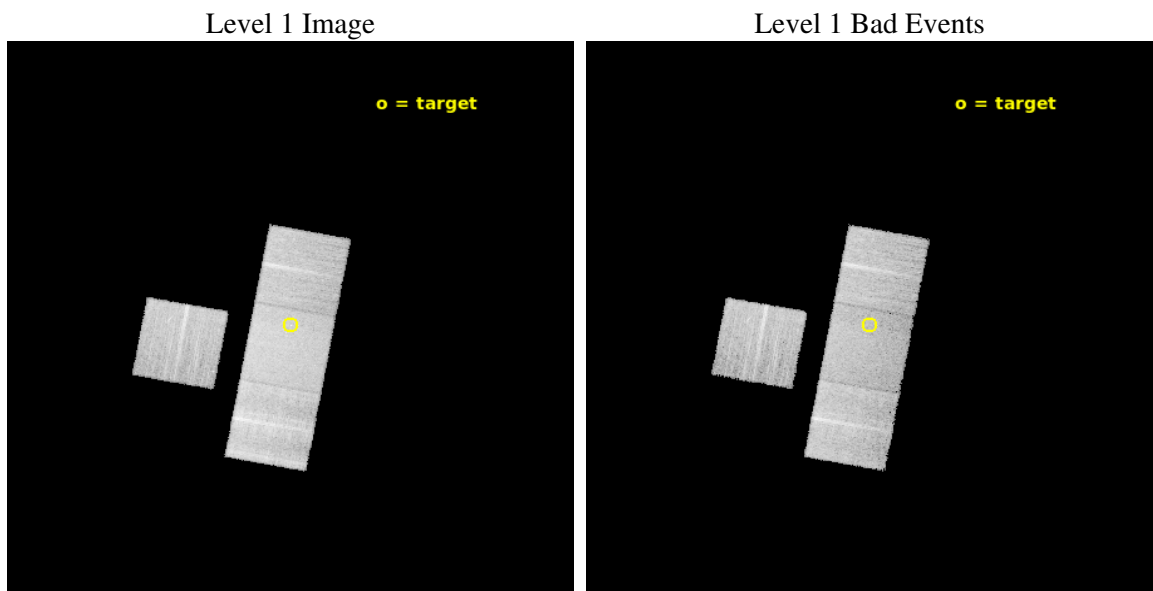
seq_num	703540	Sequence number
obs_id	20435	Observation id
title	X-Ray properties of Post-Merger Spheroidal Galaxies: The Missing Link in Understanding the Merger-AGN connection	Proposal title
observer	Preethi Nair	Principal investigator
object	SDSS J211706.99-064327.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	319.279167	Observer's specified target RA [deg]
dec_targ	-6.7245	Observer's specified target Dec [deg]
ra_nom	319.2809502541	Nominal RA [deg]
dec_nom	-6.7250364290098	Nominal Dec [deg]
roll_nom	100.49858118751	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13065.884590864	Sum of GTIs [s]
livetime	12895.16918972	Livetime [s]
ontime3	13062.661550403	Sum of GTIs [s]
ontime6	13065.84355092	Sum of GTIs [s]
ontime7	13065.884590864	Sum of GTIs [s]
ontime8	13065.761470914	Sum of GTIs [s]
l2events	84011	Number of level 2 events



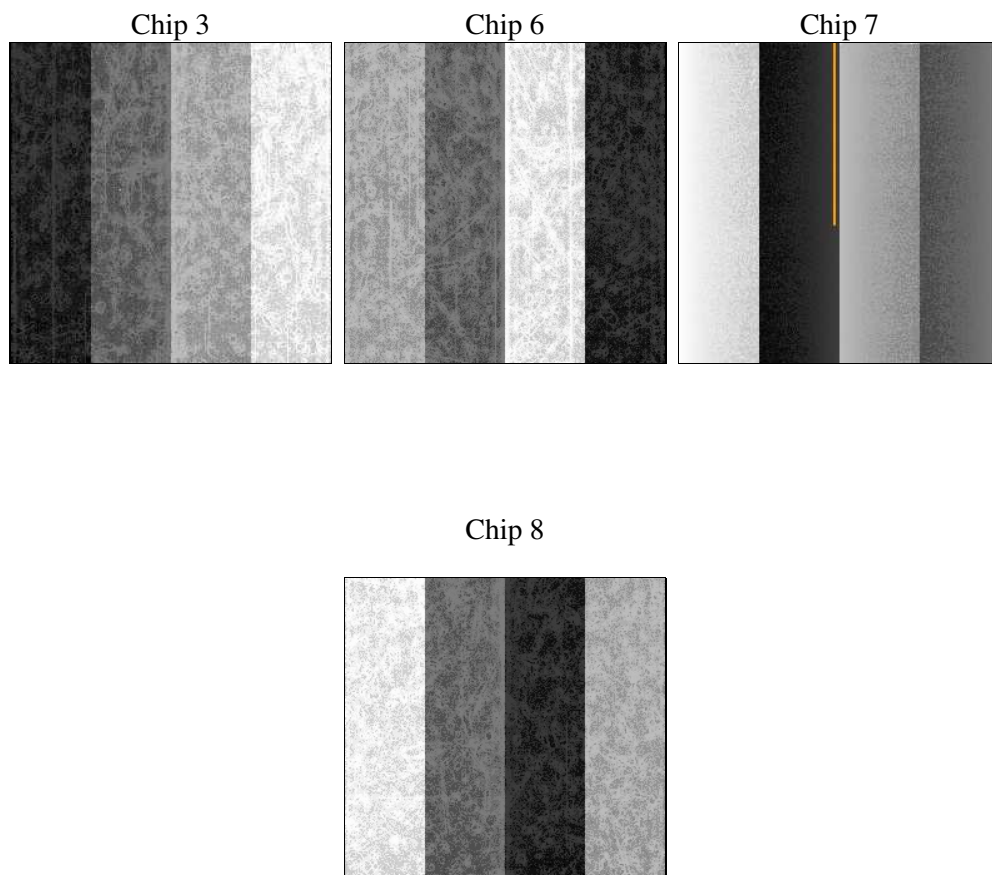
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	13065.884590864	Sum of GTIs [s]
caldsver	4.9.3	 	ontime3	13062.661550403	Sum of GTIs [s]
date	2020-10-25T05:16:43	Date and time of file creation	ontime6	13065.84355092	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	13065.884590864	Sum of GTIs [s]
			ontime8	13065.761470914	Sum of GTIs [s]
			l1events	430717	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	90304	93984	121494	124935
rejected events	79599	82670	67511	89069
rejected %	88%	87%	55%	71%

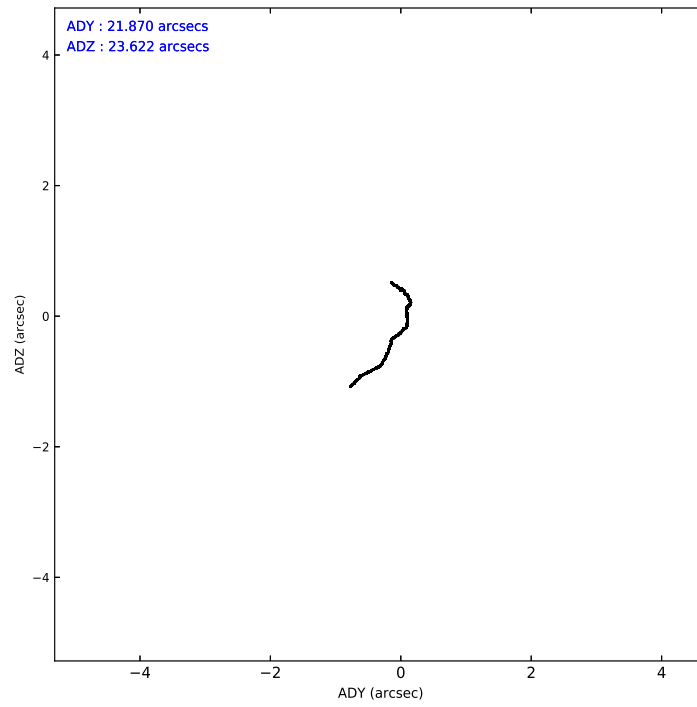
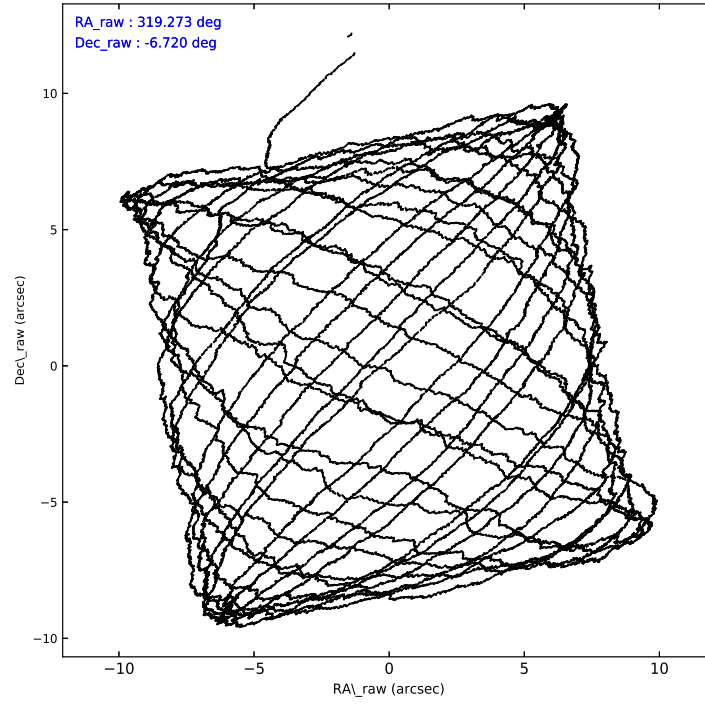
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4118	3780	4733	10658
	4%	4%	3%	8%
grade 1 events	59	66	167	116
	0%	0%	0%	0%
grade 2 events	2267	2668	11589	8712
	2%	2%	9%	6%
grade 3 events	1087	1125	4371	3649
	1%	1%	3%	2%
grade 4 events	1082	1102	4388	3396
	1%	1%	3%	2%
grade 5 events	4491	4606	12345	6965
	4%	4%	10%	5%
grade 6 events	2153	2639	28911	9461
	2%	2%	23%	7%
grade 7 events	75047	77998	54990	81978
	83%	82%	45%	65%

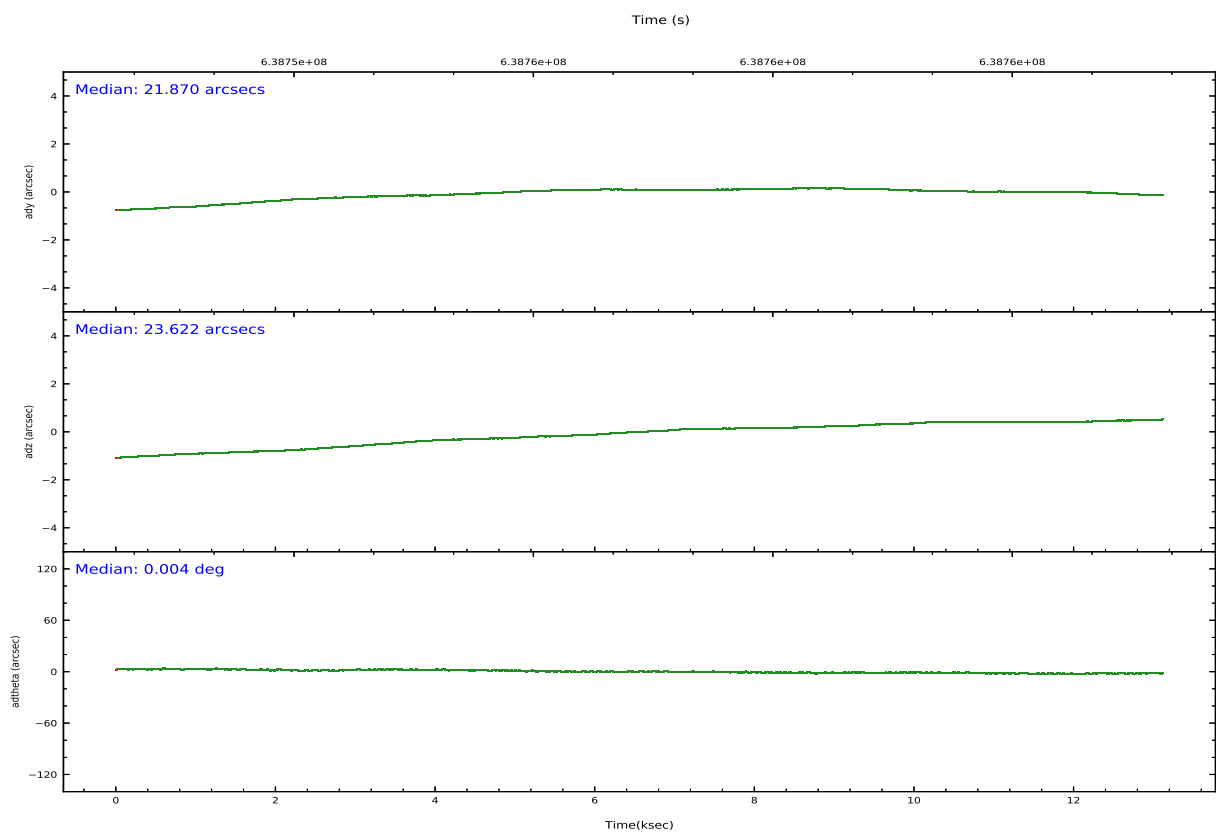
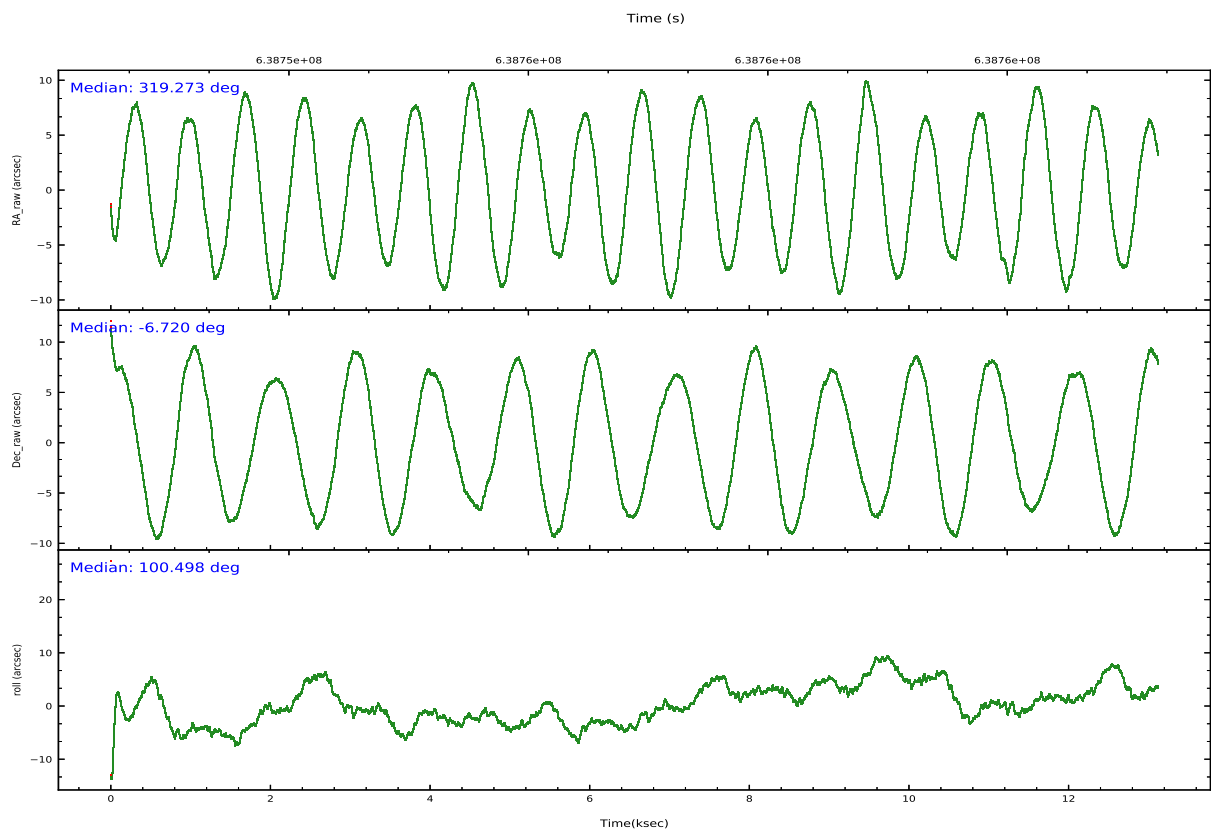
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3678	ACIS-3678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	319.291306	319.2809502541
[deg] Pointing Dec	-6.740726	-6.7250364290098
[deg] Pointing Roll	100.355519	100.49858118751
[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)	638749890.184000	638748591.4870501
Observation start date	2018-03-29T22:30:21	2018-03-29T22:09:51
[s] Observation end time (MET)	638762890.184000	638763920.87545
Observation end date	2018-03-30T02:07:01	2018-03-30T02:25:20
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



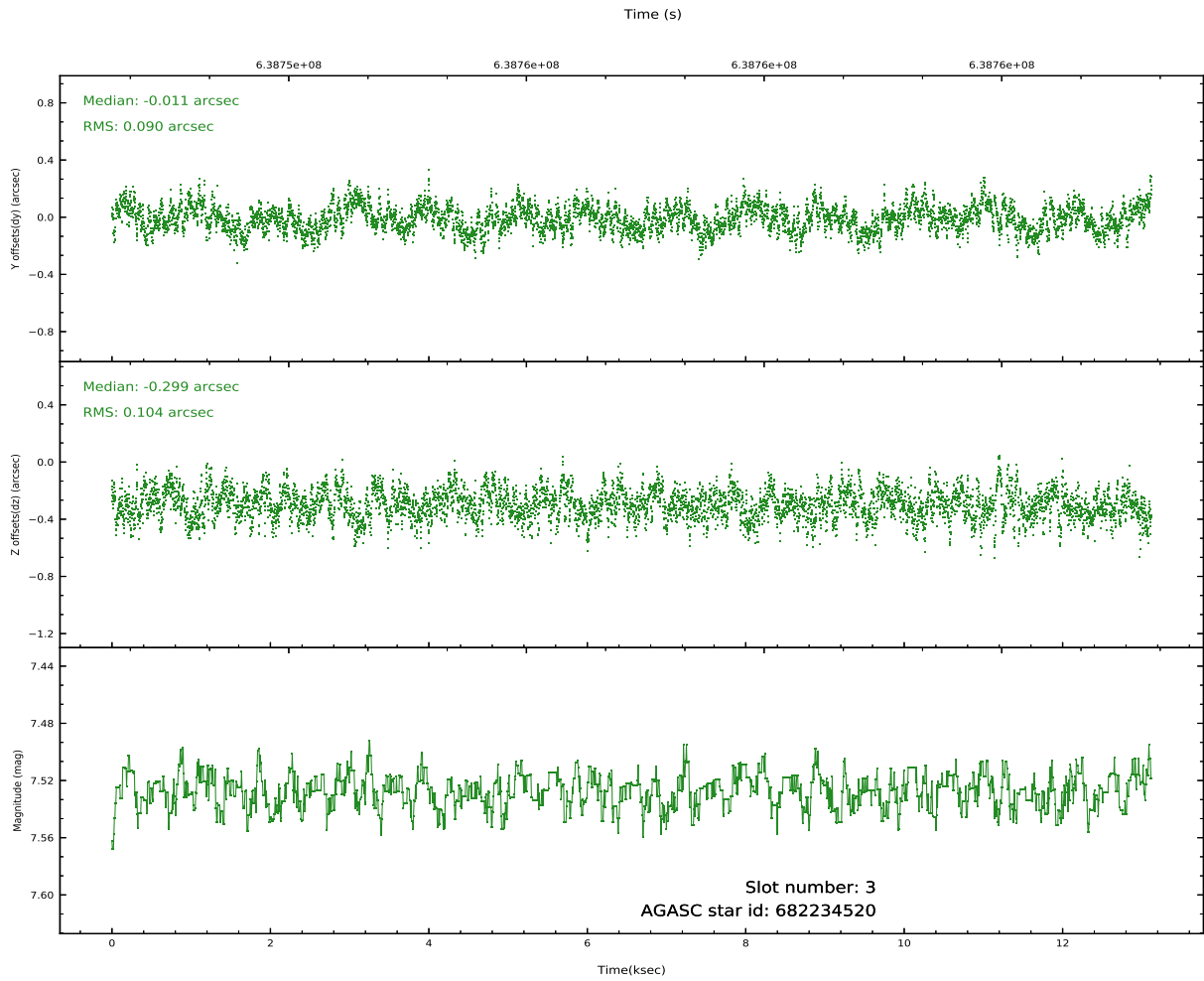
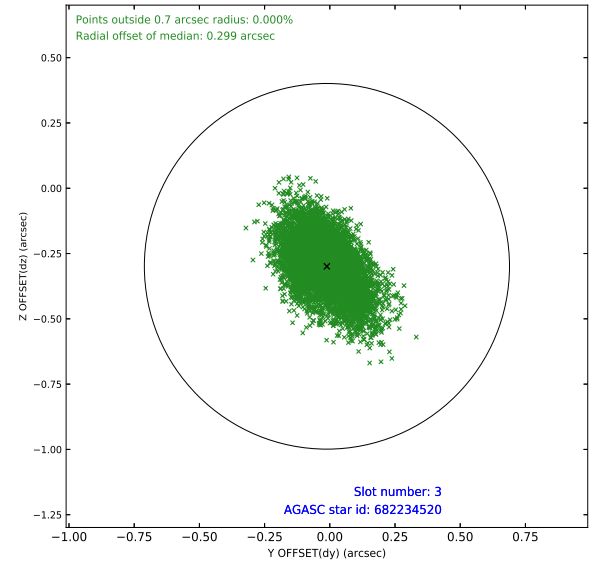
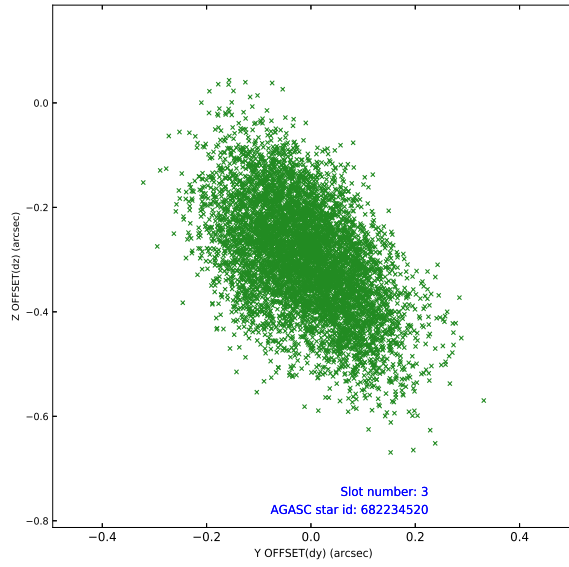


Slot Statistics

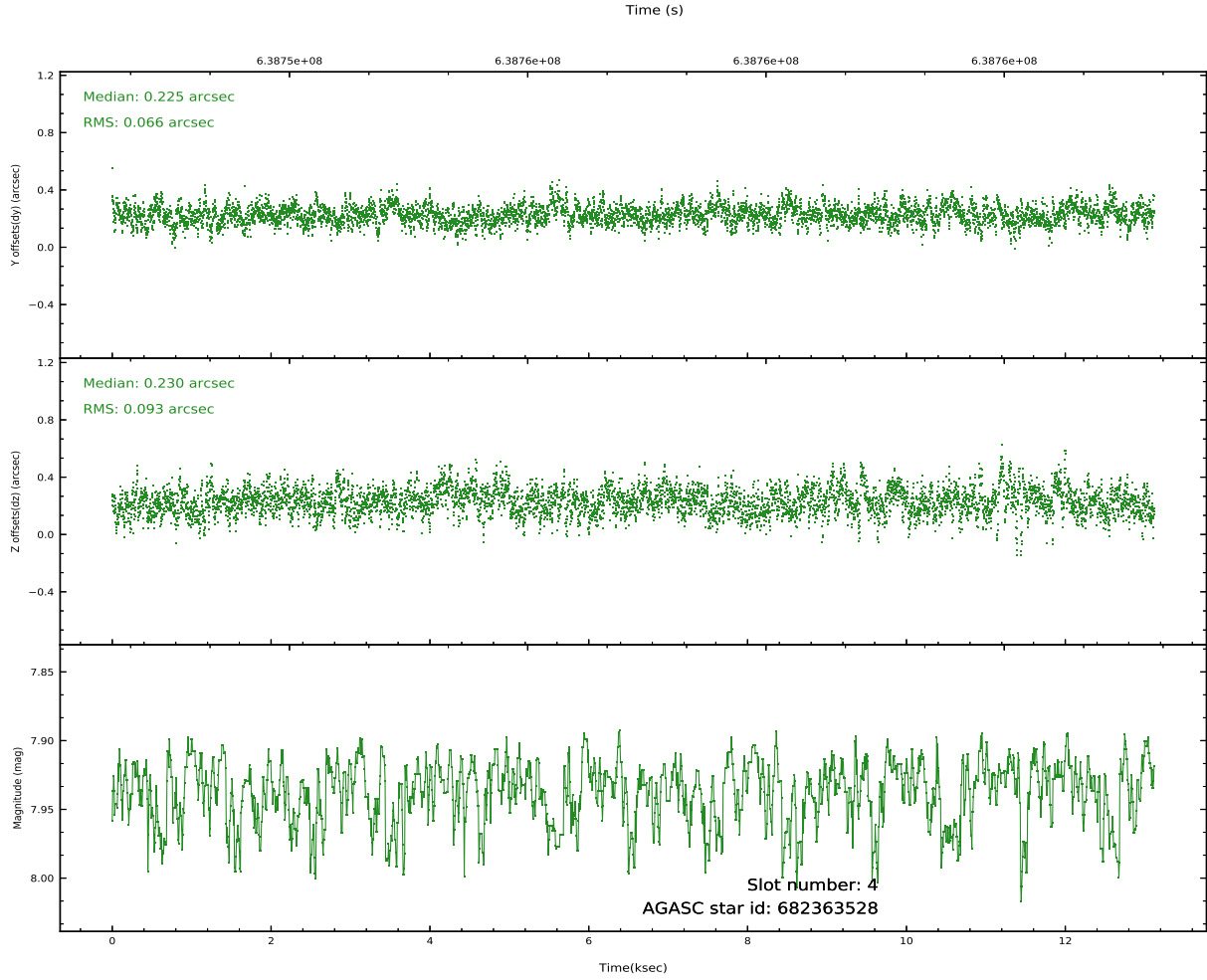
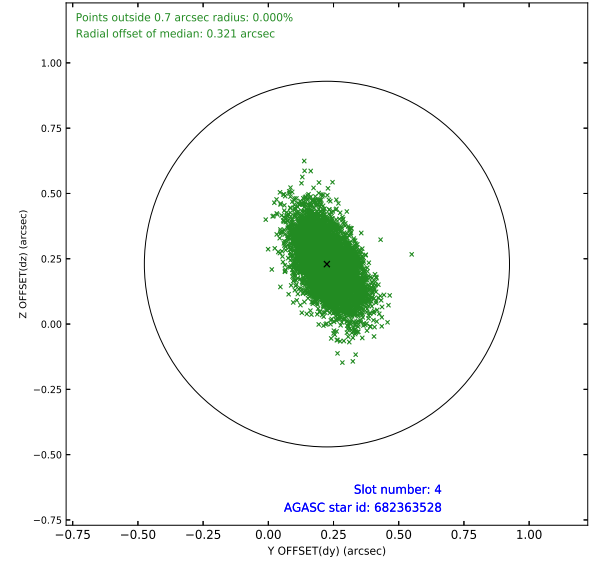
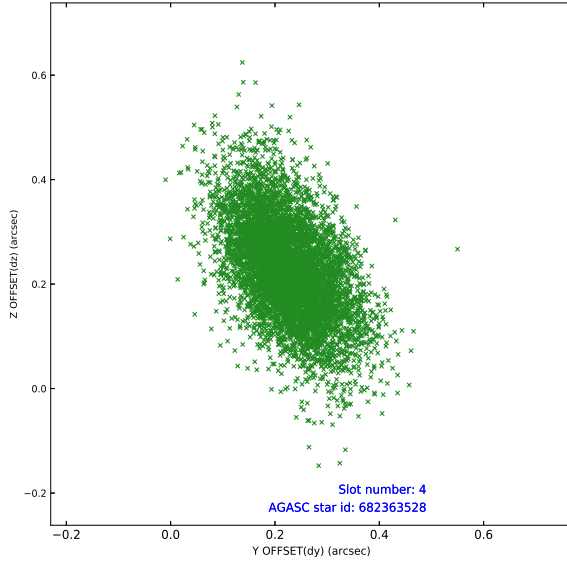
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.02	3201	1.000	0.151	-0.076	0.029	0.045	0.000000	0.000000	-775.01	-1745
1	FID		ACIS-S-4	7.11	3201	1.000	0.053	-0.053	0.010	0.020	0.000000	0.000000	2138.25	162
2	FID		ACIS-S-5	7.13	3201	1.000	-0.235	0.138	0.026	0.034	0.000000	0.000000	-1827.52	157
3	GUIDE	used	682234520	7.53	6401	1.000	-0.011	-0.299	0.146	0.242	318.727092	-7.087507	-867.27	2207
4	GUIDE	used	682363528	7.93	6396	1.000	0.225	0.230	0.117	0.207	319.749181	-7.138911	-1704.64	-1350
5	GUIDE	used	682366568	7.84	6397	1.000	0.028	0.099	0.140	0.236	319.717257	-6.439197	793.26	-1693
6	GUIDE	used	682361424	8.93	6386	1.000	-0.019	0.228	0.155	0.272	319.407325	-6.666576	188.37	-456
7	GUIDE	used	682365608	9.37	6386	1.000	-0.217	-0.258	0.175	0.291	318.863731	-6.168526	2300.74	1135

2.4 Star Slots

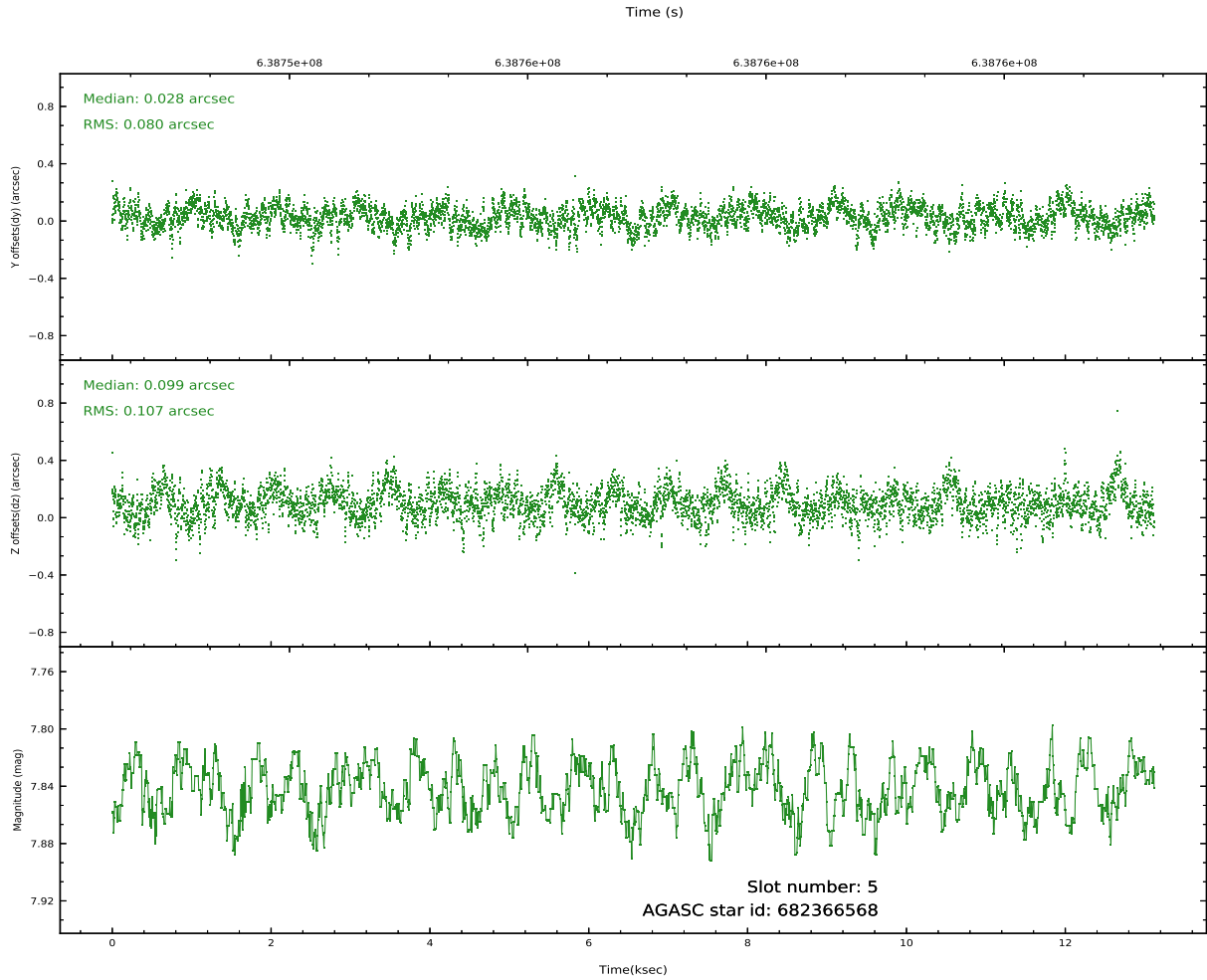
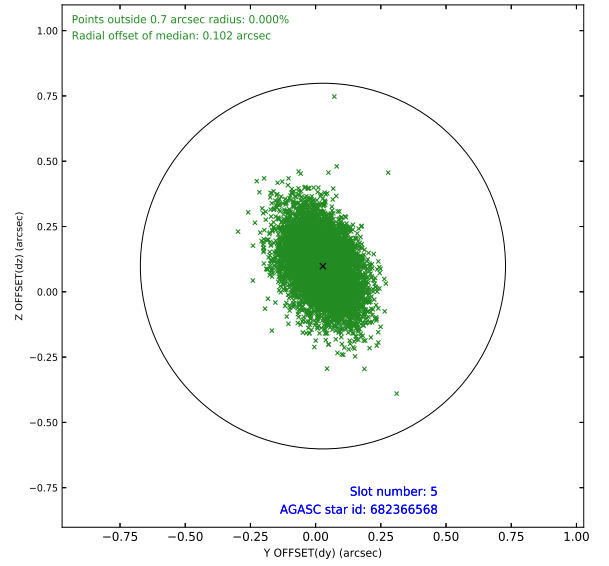
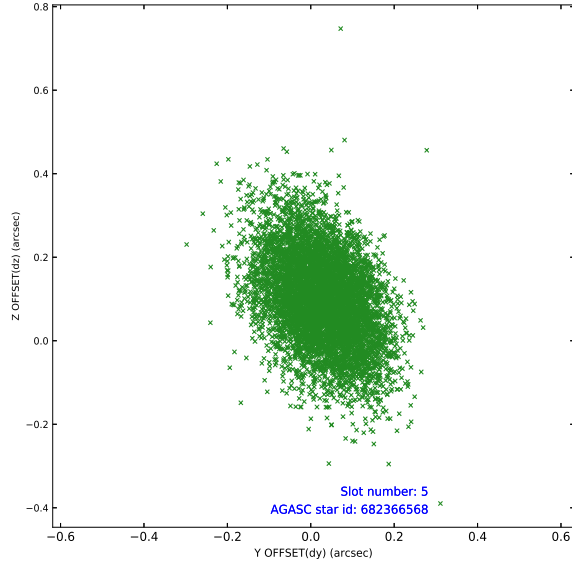
2.4.1 Slot 3



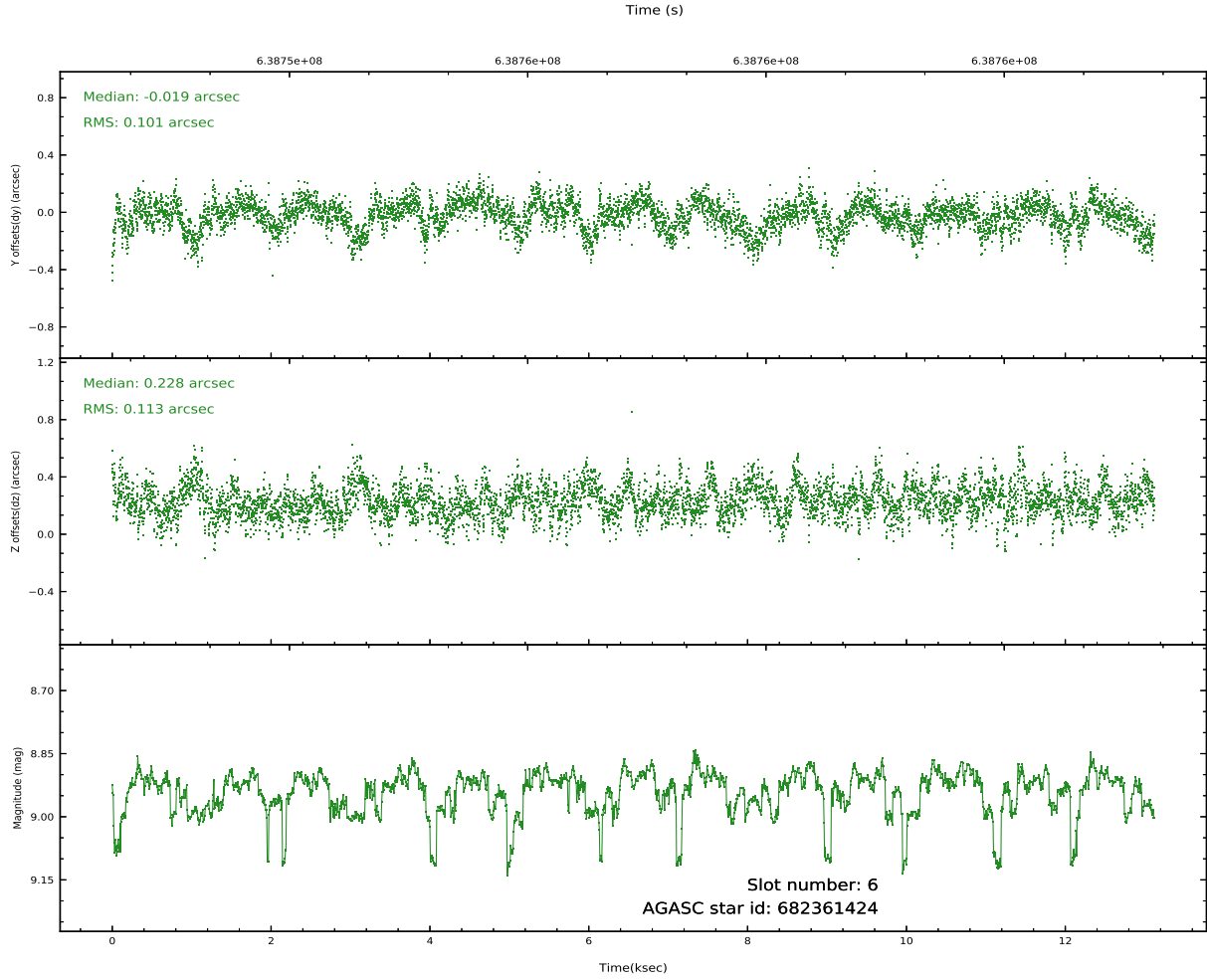
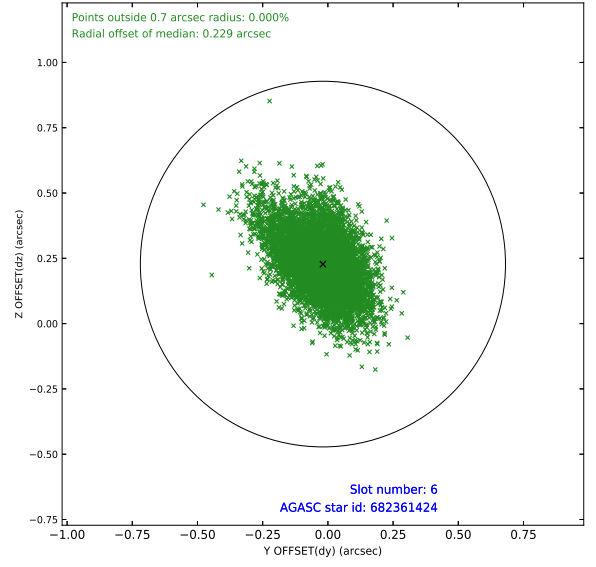
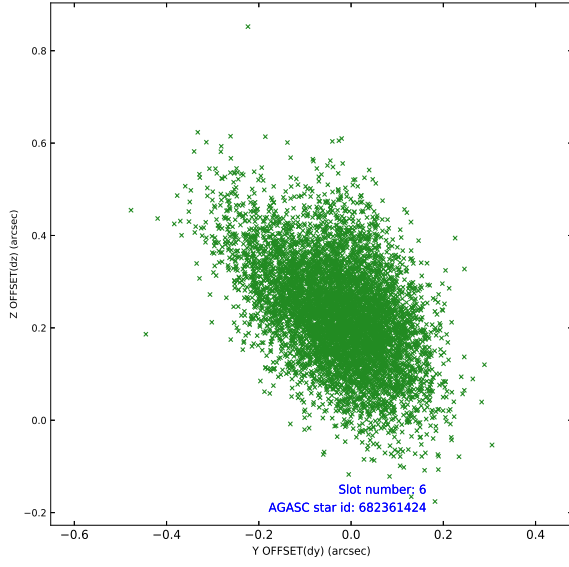
2.4.2 Slot 4



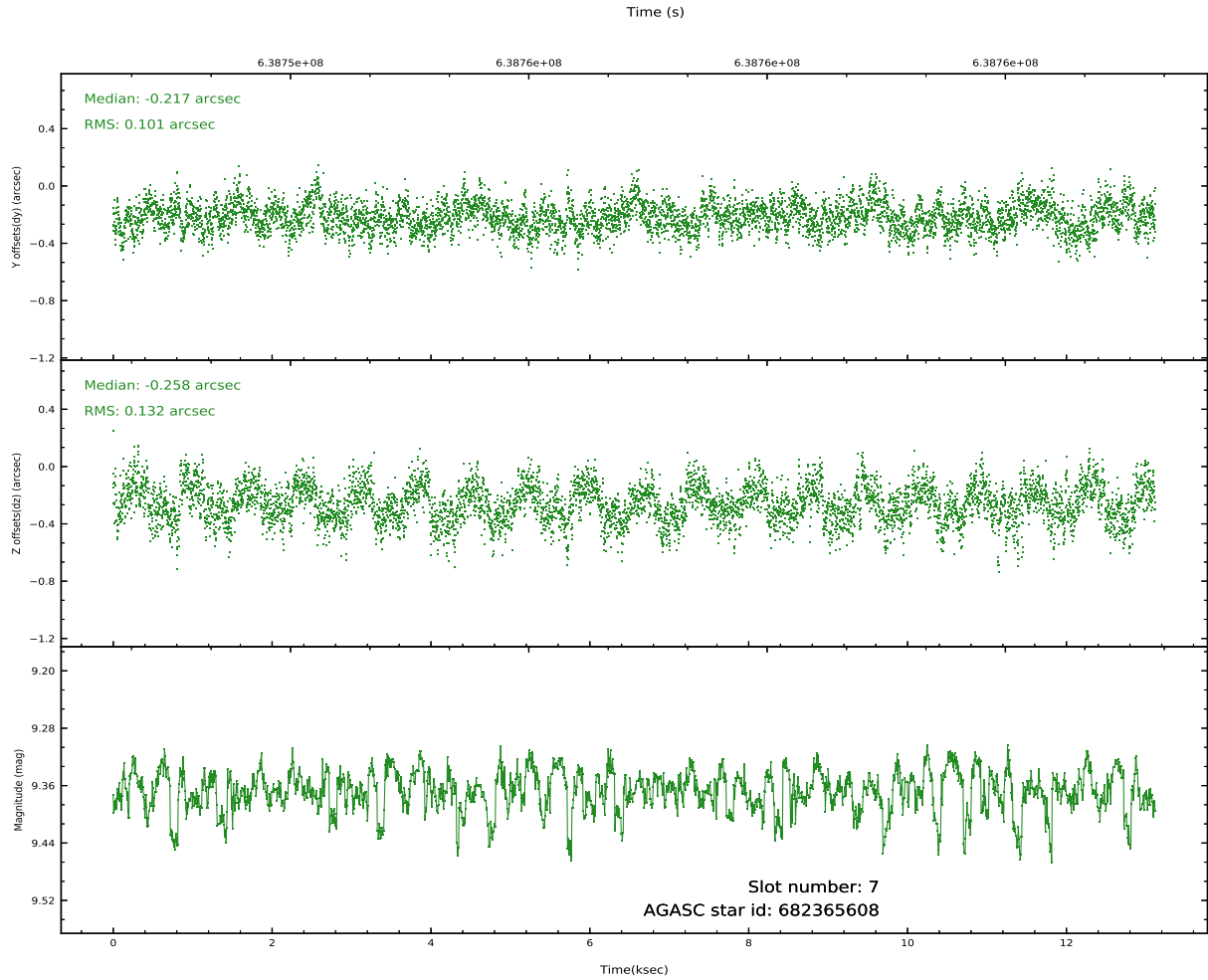
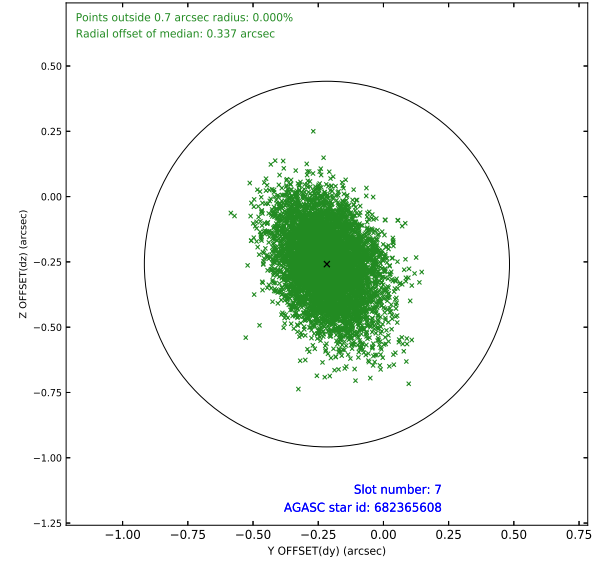
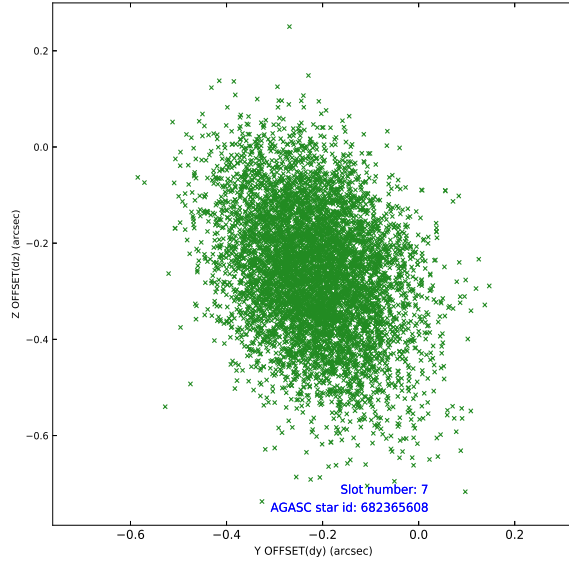
2.4.3 Slot 5



2.4.4 Slot 6

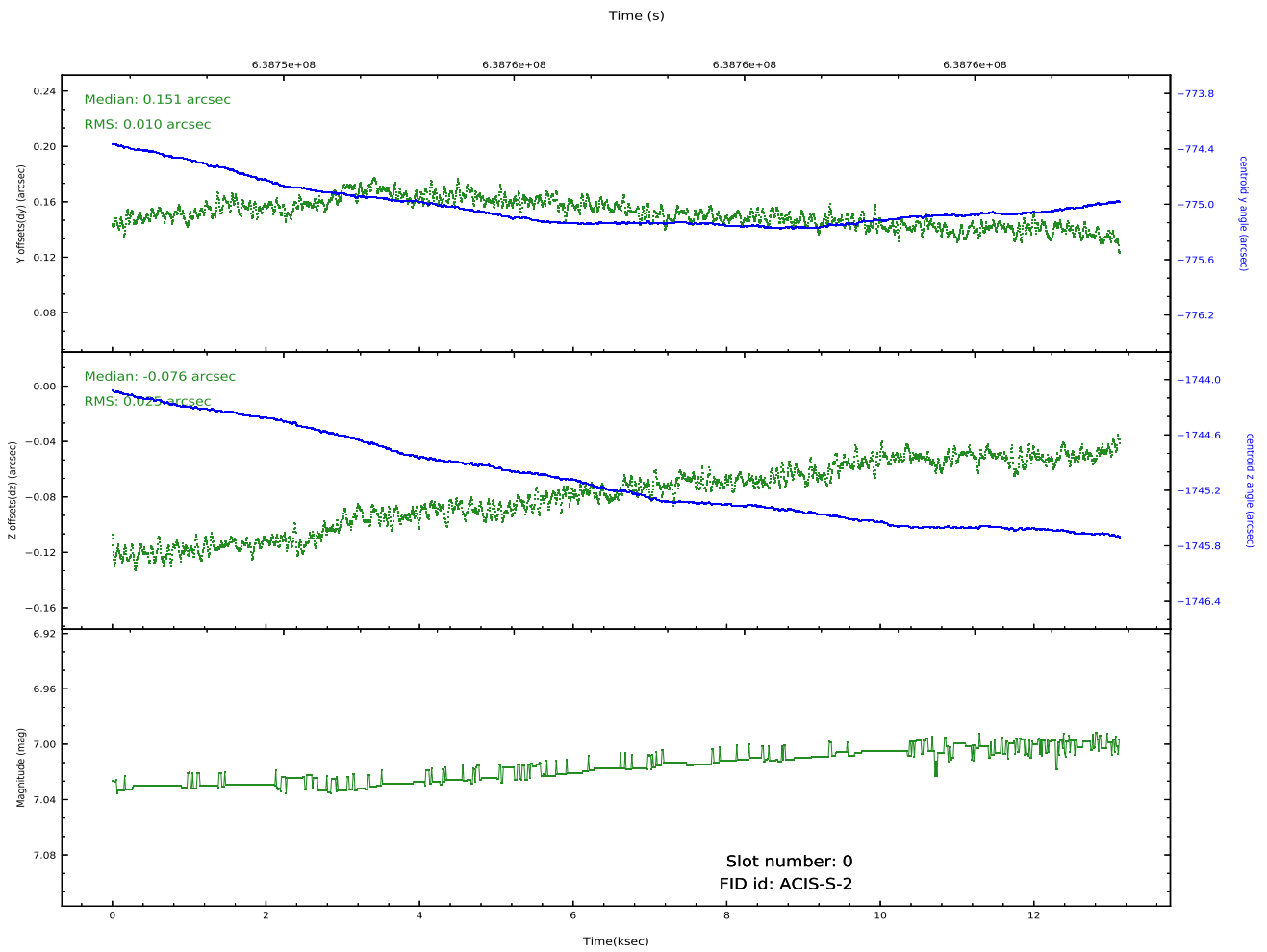
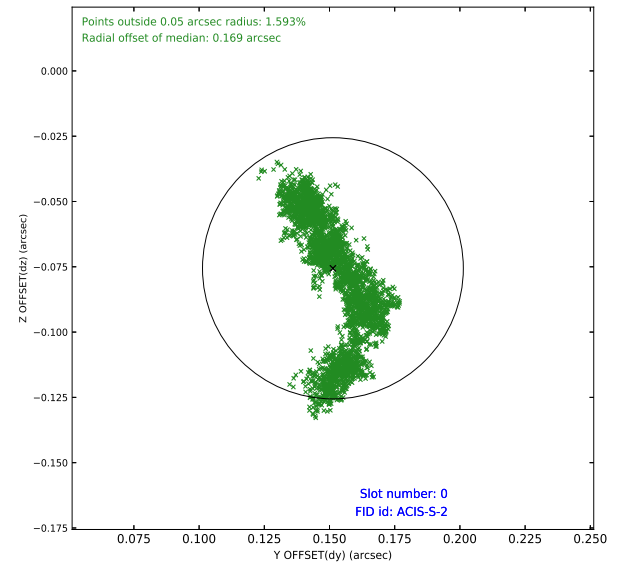
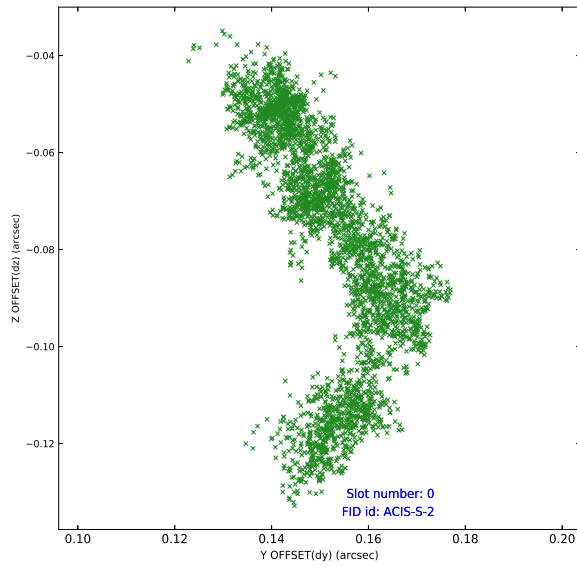


2.4.5 Slot 7

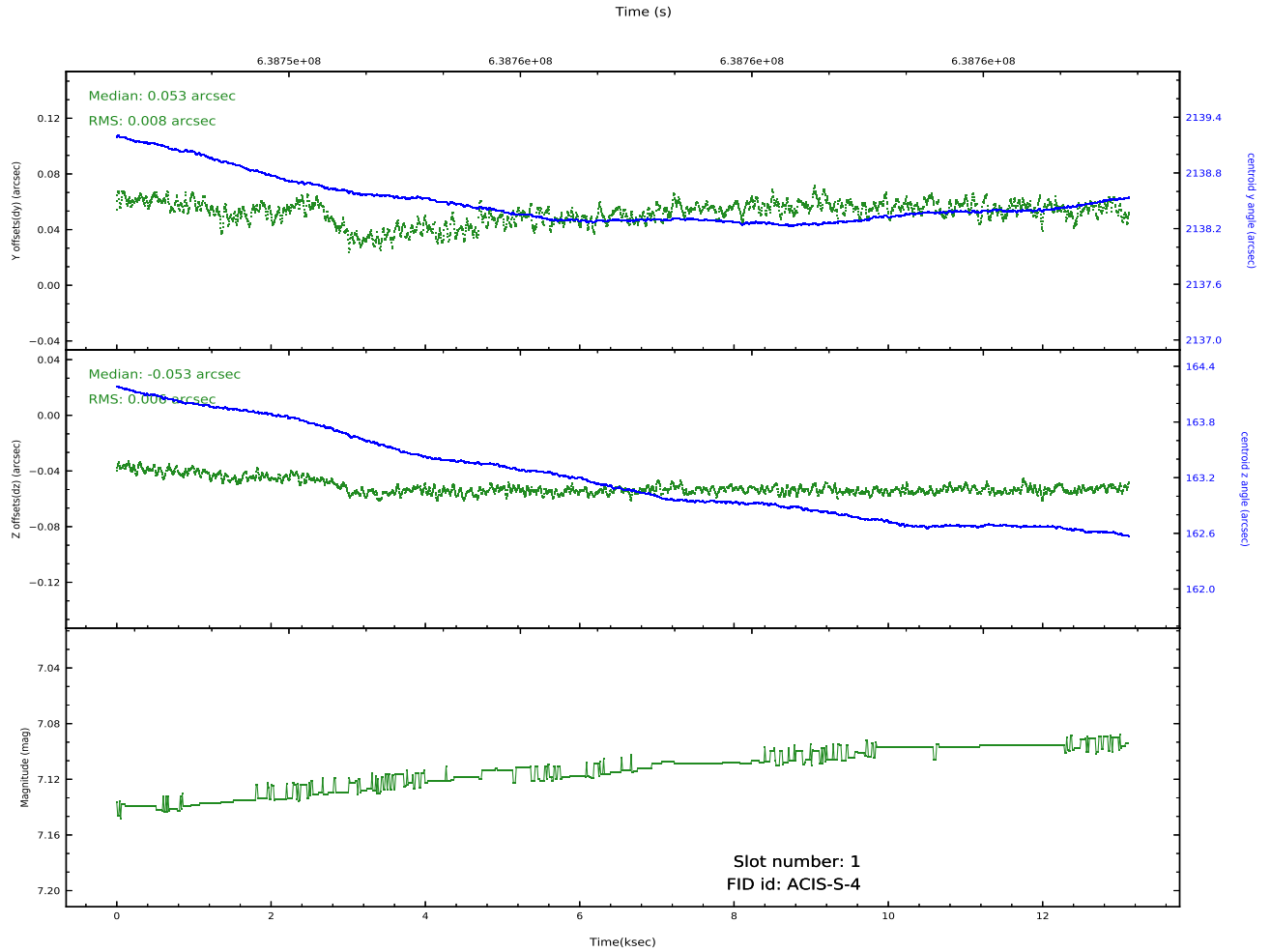
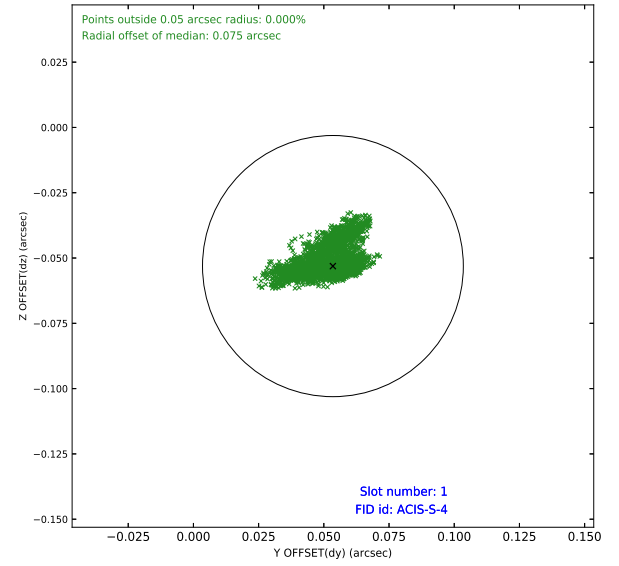
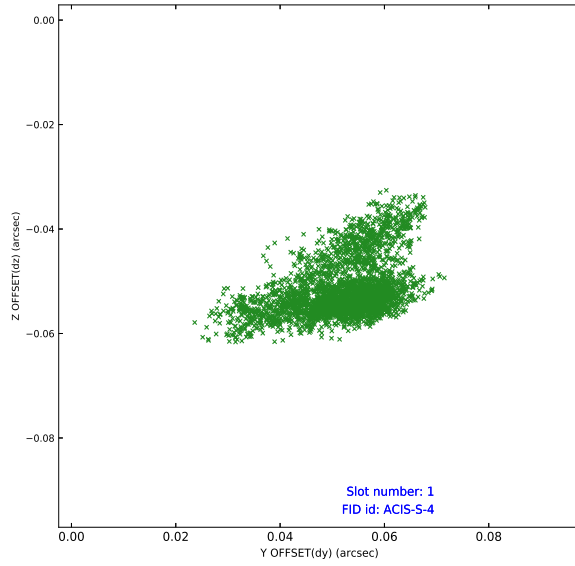


2.5 FID Slots

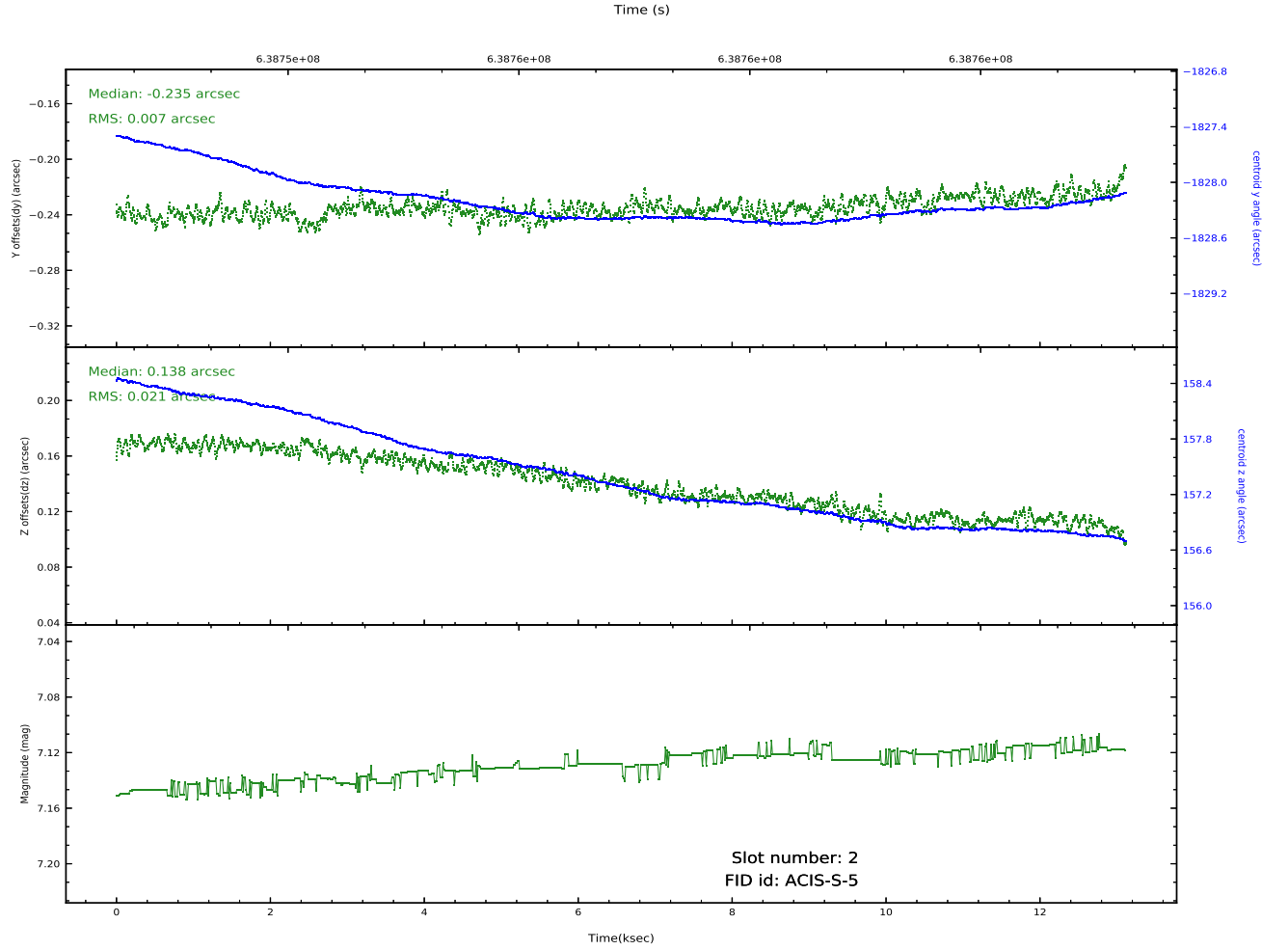
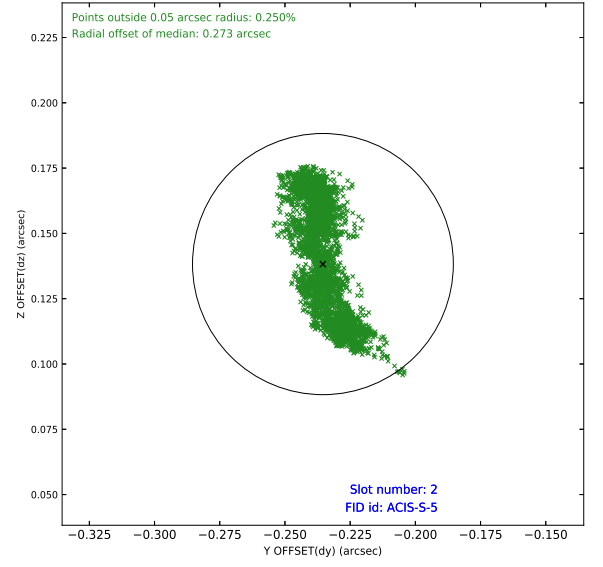
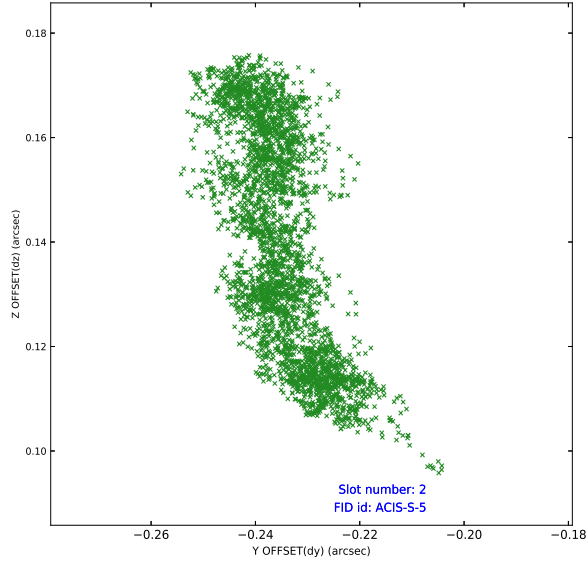
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.065884585738

A.2 Comments