

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19346 - L2 Version 2
Chandra X-Ray Center

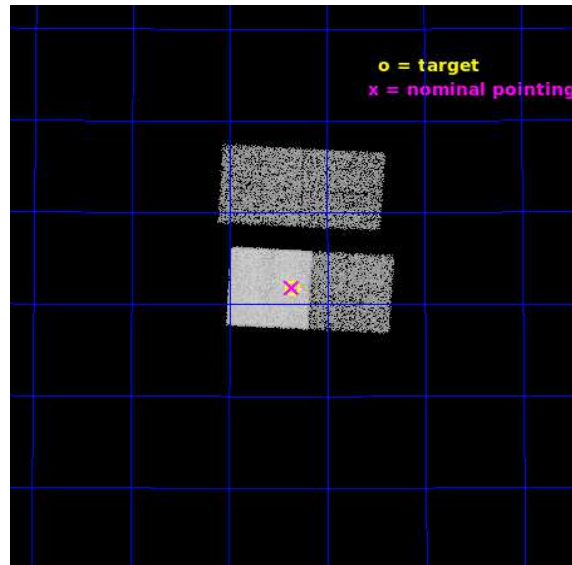
L2 Processing Date : Oct 24 2020

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1 Front

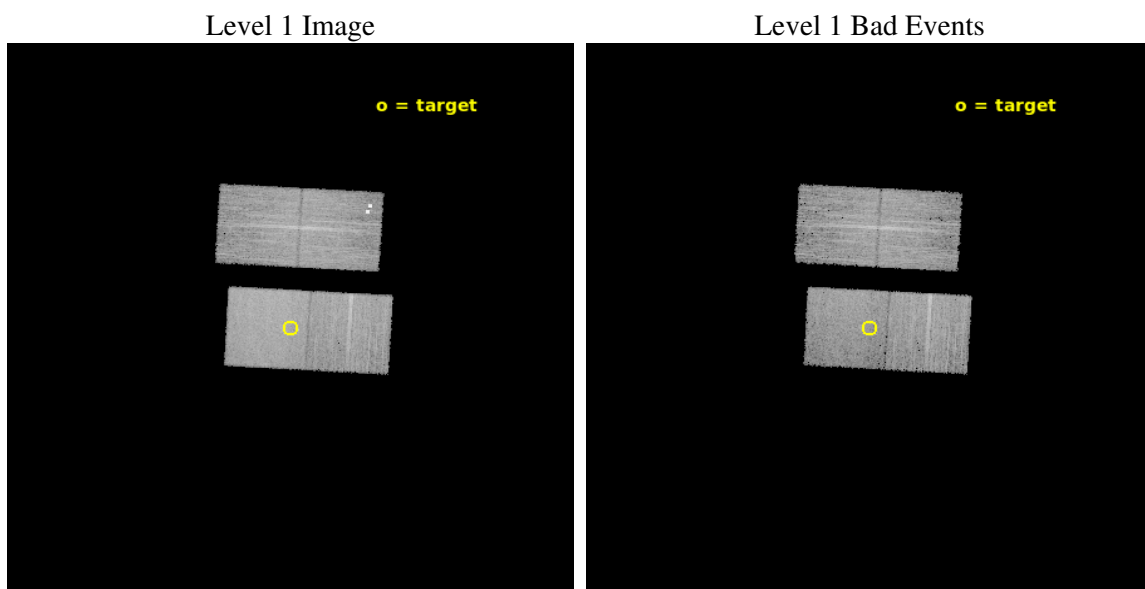
seq_num	601303	Sequence number
obs_id	19346	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 3726	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.338333	Observer's specified target RA [deg]
dec_targ	47.029083	Observer's specified target Dec [deg]
ra_nom	173.34004714755	Nominal RA [deg]
dec_nom	47.030389652367	Nominal Dec [deg]
roll_nom	183.15023560217	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9909.947819829	Sum of GTIs [s]
livetime	9780.4670559655	Livetime [s]
ontime2	9909.8246998787	Sum of GTIs [s]
ontime3	9909.8657398224	Sum of GTIs [s]
ontime6	9909.9067798853	Sum of GTIs [s]
ontime7	9909.947819829	Sum of GTIs [s]
l2events	59703	Number of level 2 events



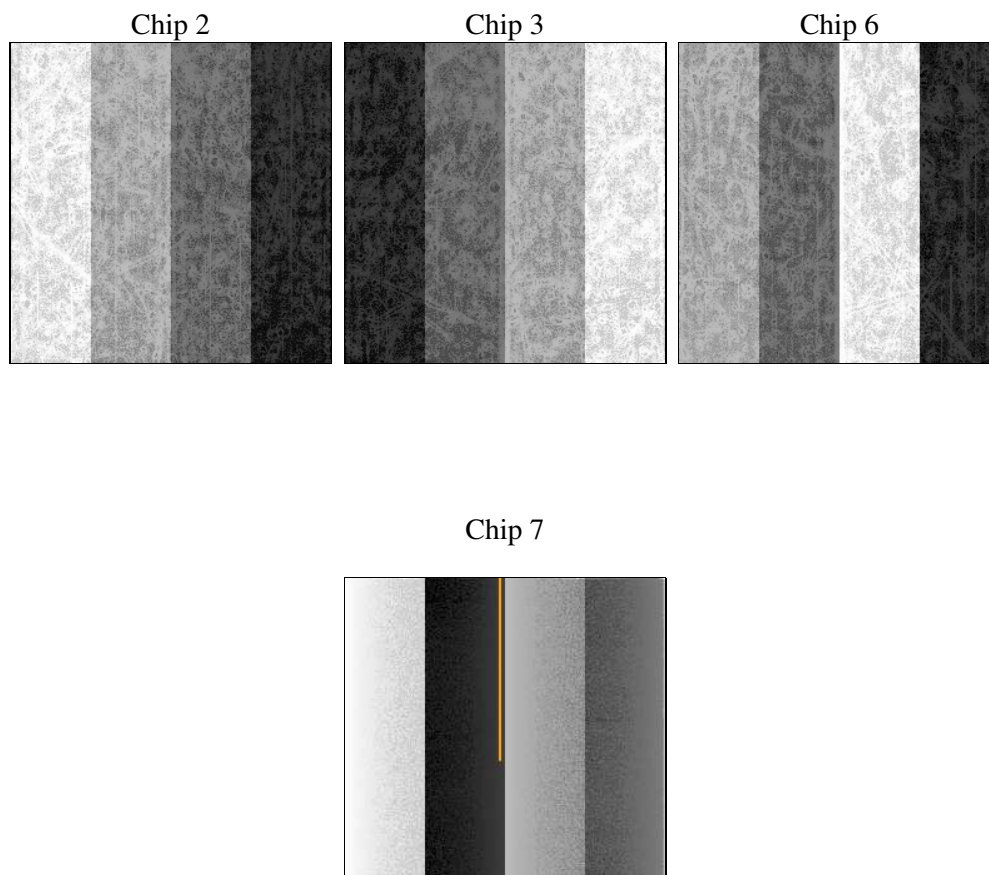
2 OBI

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	9909.947819829	Sum of GTIs [s]
caldsver	4.9.3	 	ontime2	9909.8246998787	Sum of GTIs [s]
date	2020-10-25T02:36:59	Date and time of file creation	ontime3	9909.8657398224	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	9909.9067798853	Sum of GTIs [s]
			ontime7	9909.947819829	Sum of GTIs [s]
			l1events	324795	Number of level 1 events

2.1.4 Events

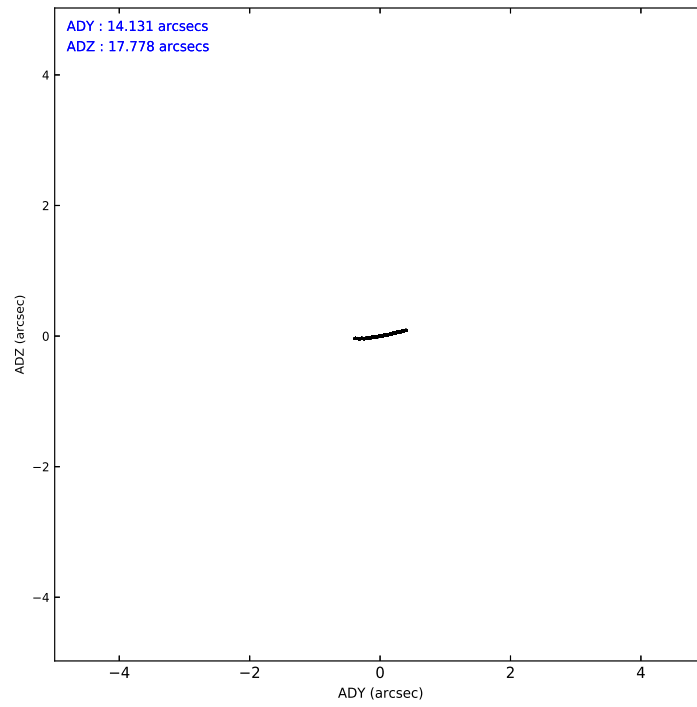
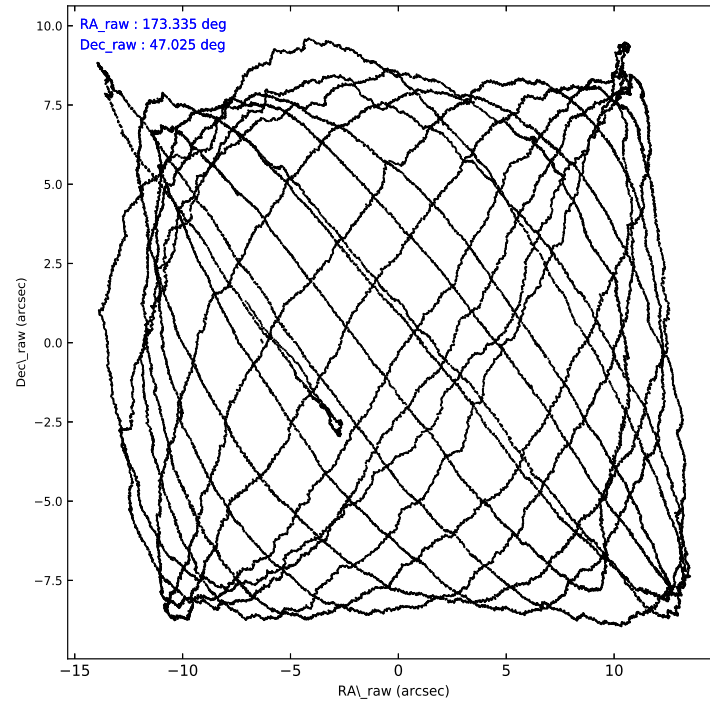
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	81222	71374	76874	95325
rejected events	68434	63999	68550	54367
rejected %	84%	89%	89%	57%

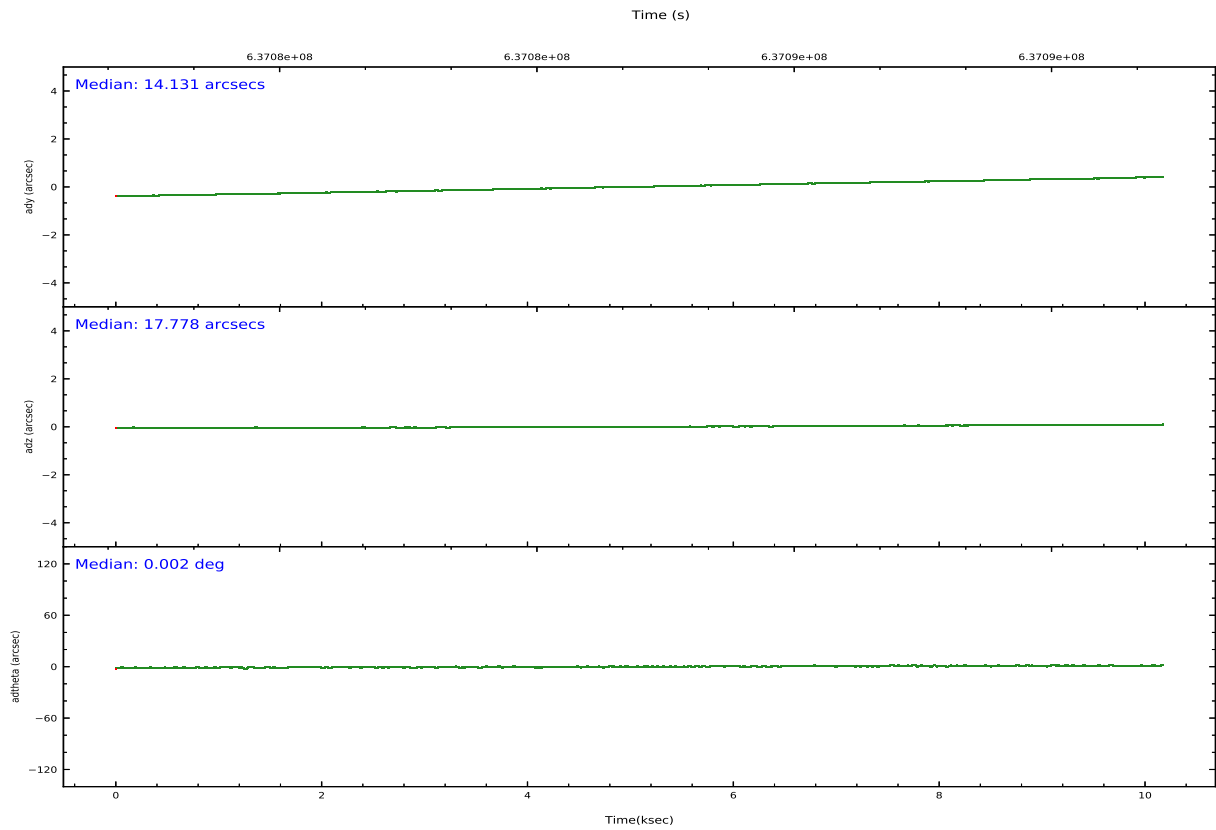
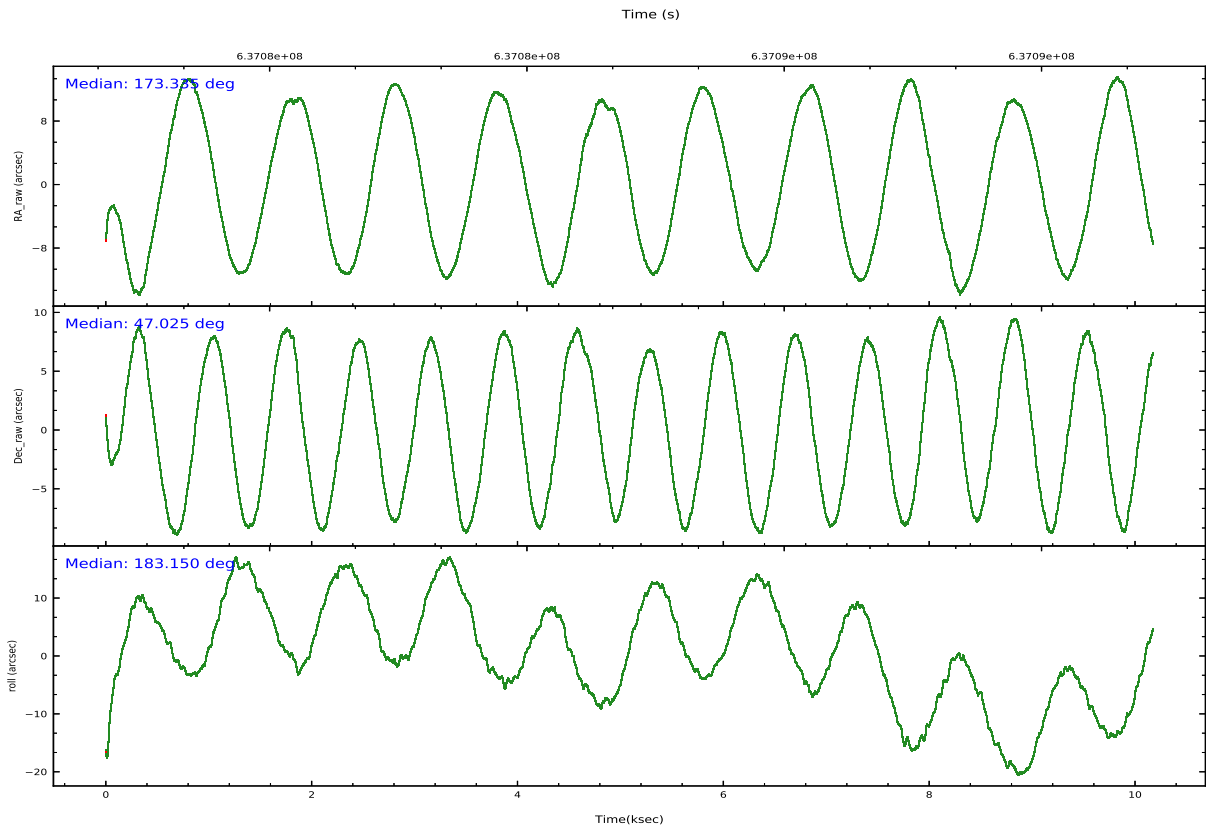
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	7899	2636	2428	3428
	9%	3%	3%	3%
grade 1 events	65	34	24	121
	0%	0%	0%	0%
grade 2 events	1822	1563	2252	8682
	2%	2%	2%	9%
grade 3 events	754	830	750	3186
	0%	1%	0%	3%
grade 4 events	745	779	721	3170
	0%	1%	0%	3%
grade 5 events	2687	3289	2994	9244
	3%	4%	3%	9%
grade 6 events	1573	1568	2178	22507
	1%	2%	2%	23%
grade 7 events	65677	60675	65527	44987
	80%	85%	85%	47%

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	173.367847	173.34004714755	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.040337	47.030389652367	Alternating exposures requested	N	N
[deg] Pointing Roll	182.978399	183.15023560217	[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)	637081084.184000	637080516.12616			
Observation start date	2018-03-10T14:56:55	2018-03-10T14:48:36			
[s] Observation end time (MET)	637091084.184000	637091464.66431			
Observation end date	2018-03-10T17:43:35	2018-03-10T17:51:04			
Read mode	TIMED	TIMED			

2.3 Aspect



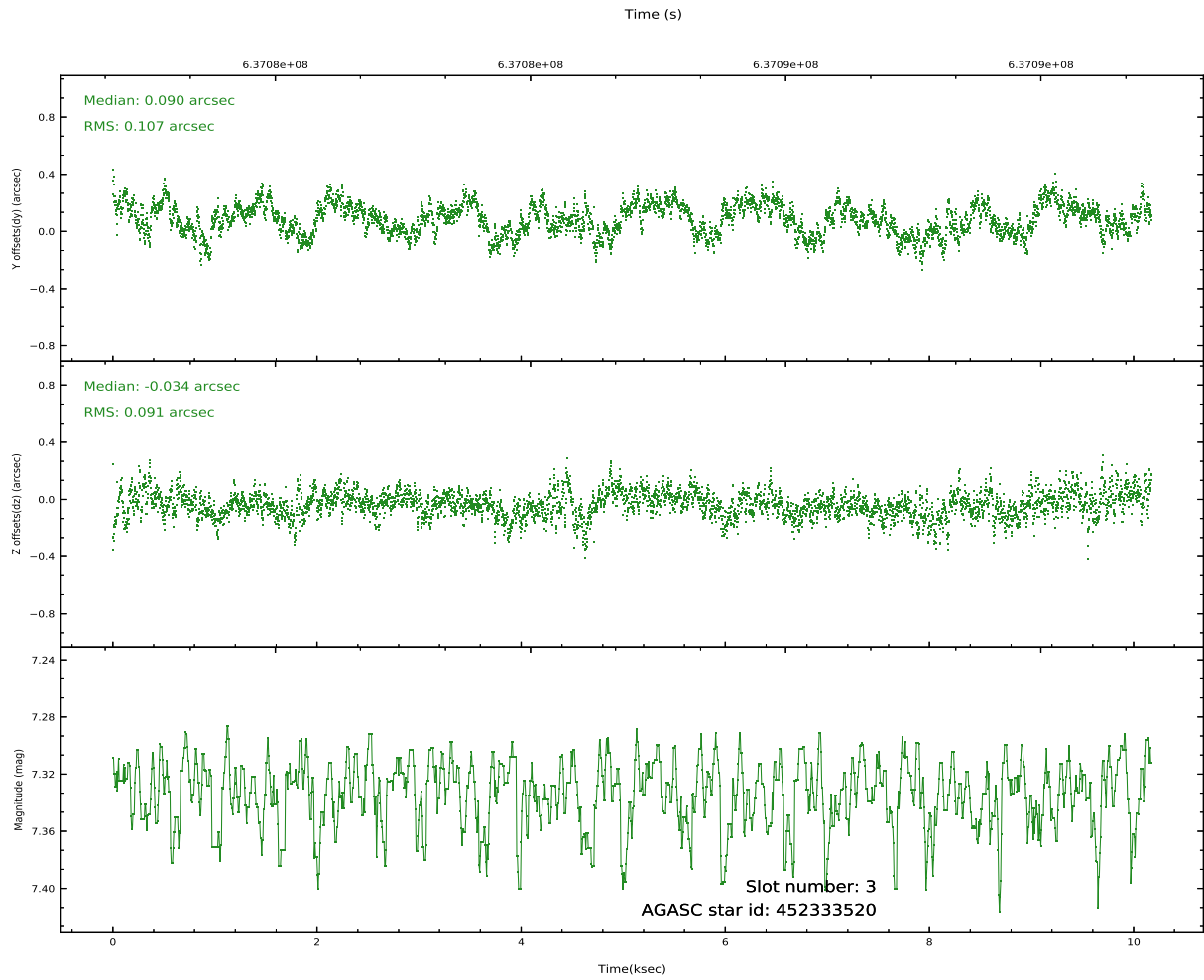
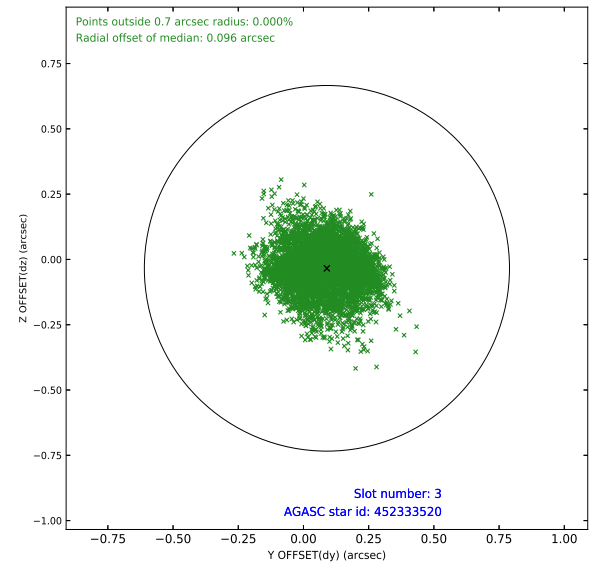
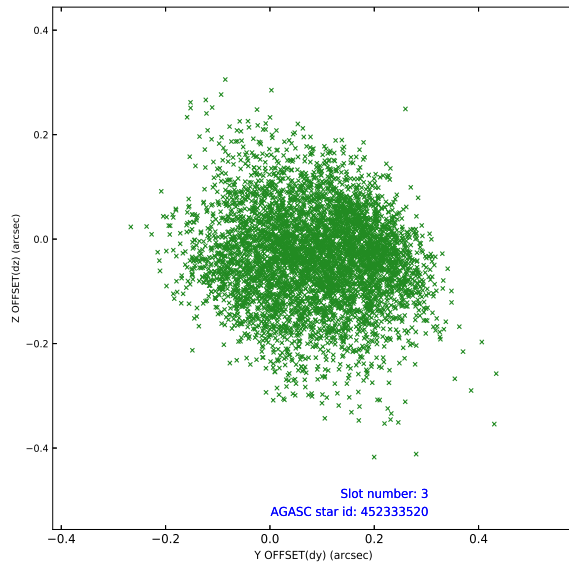


Slot Statistics

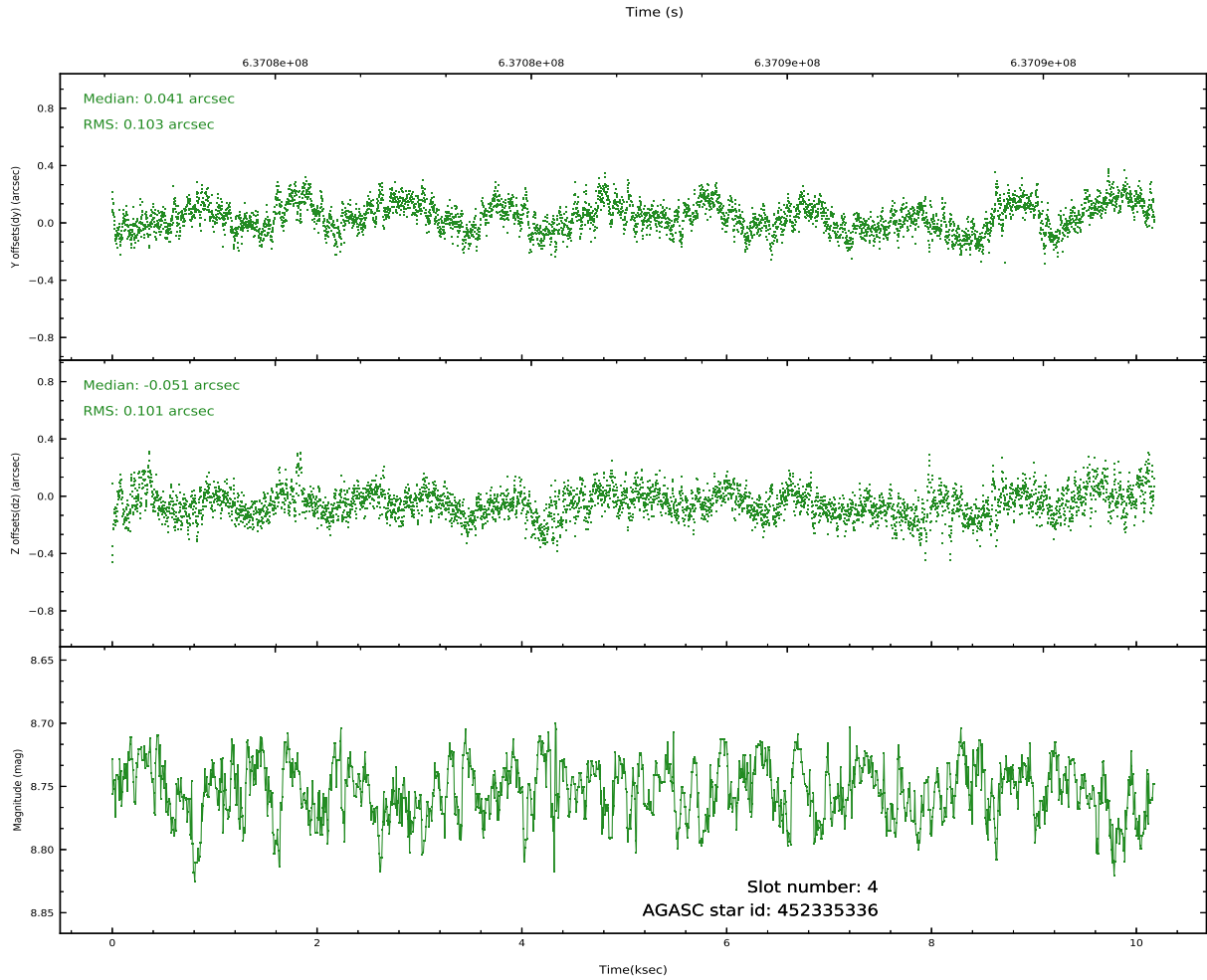
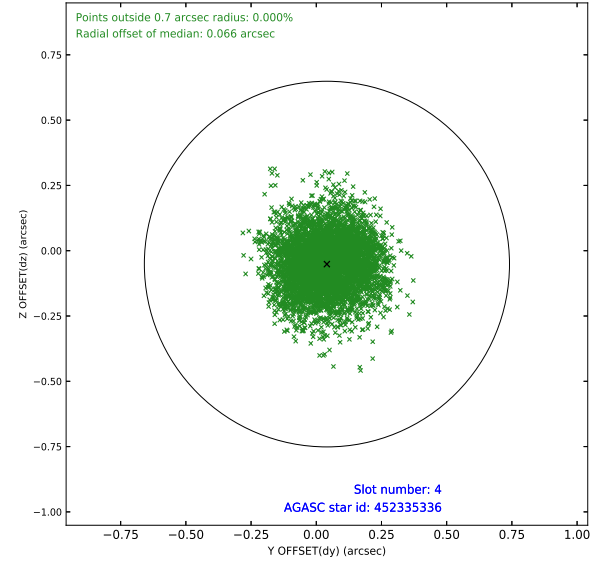
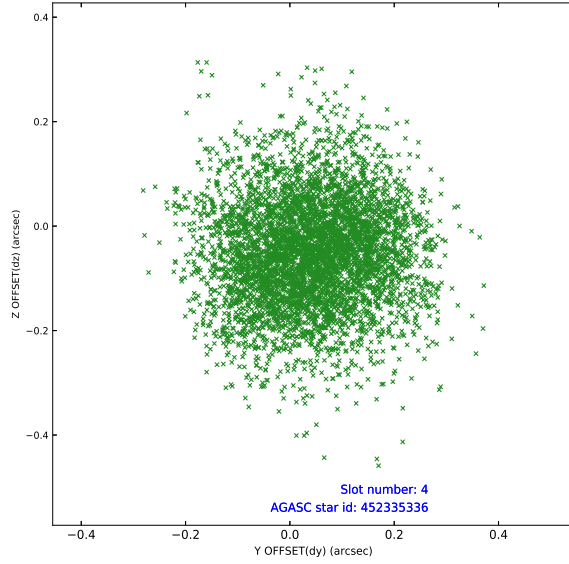
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	2482	1.000	0.102	-0.118	0.009	0.013	0.000000	0.000000	-767.16	-1739
1	FID		ACIS-S-4	7.23	2483	1.000	0.161	-0.017	0.010	0.017	0.000000	0.000000	2146.13	168
2	FID		ACIS-S-5	7.21	2483	1.000	-0.296	0.144	0.013	0.021	0.000000	0.000000	-1819.54	163
3	GUIDE	used	452333520	7.33	4964	1.000	0.090	-0.034	0.151	0.235	172.581772	47.244609	1880.07	-843
4	GUIDE	used	452335336	8.75	4960	1.000	0.041	-0.051	0.155	0.245	172.476752	47.284592	2128.00	-1002
5	GUIDE	used	452339584	9.31	4955	1.000	-0.101	0.016	0.164	0.270	173.150284	46.870451	567.60	582
6	GUIDE	used	452339840	9.07	4962	1.000	-0.057	0.017	0.161	0.261	173.352037	46.609768	119.81	1546
7	GUIDE	used	452341880	8.64	4961	1.000	0.033	0.049	0.125	0.218	173.694474	46.596663	-724.12	1635

2.4 Star Slots

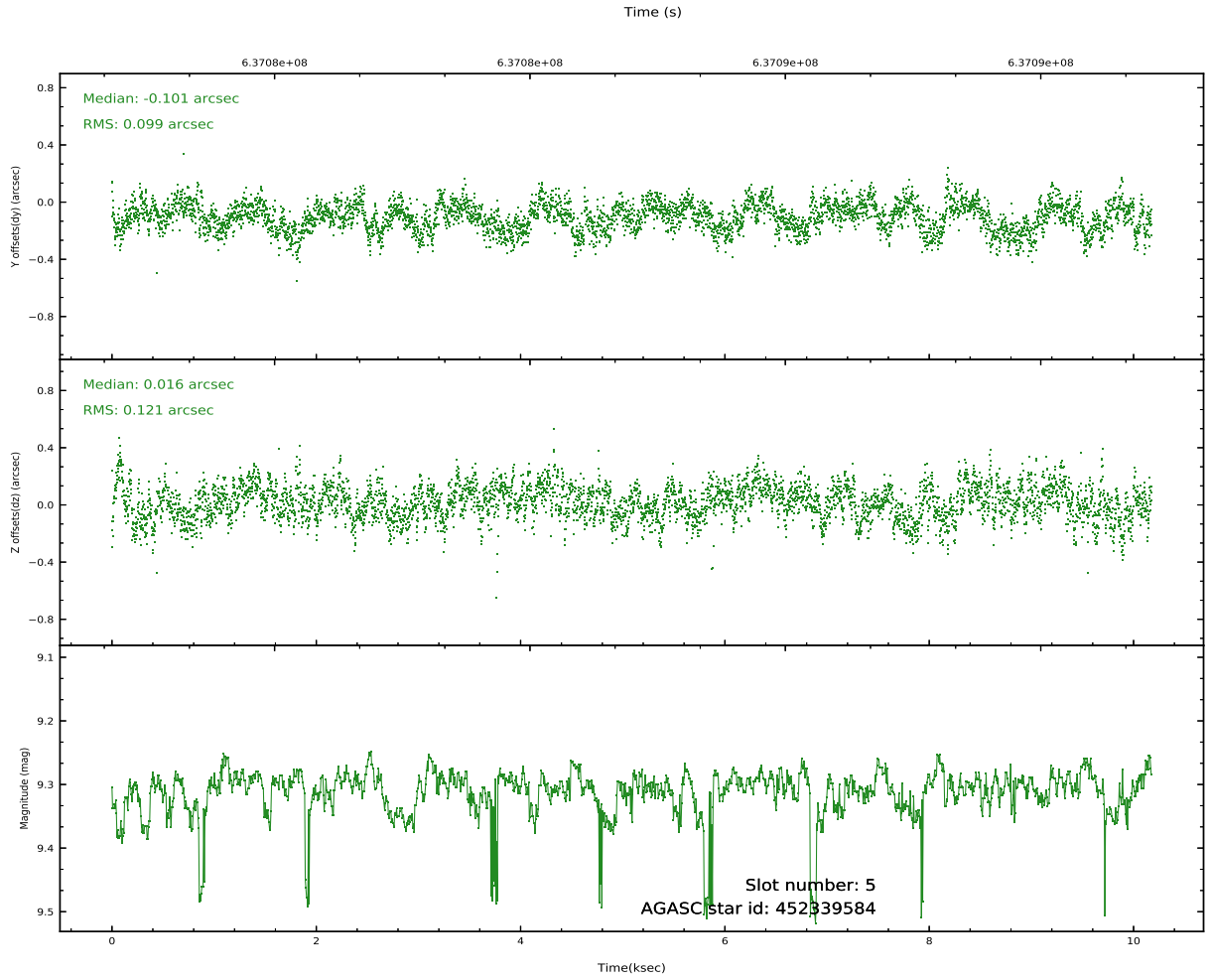
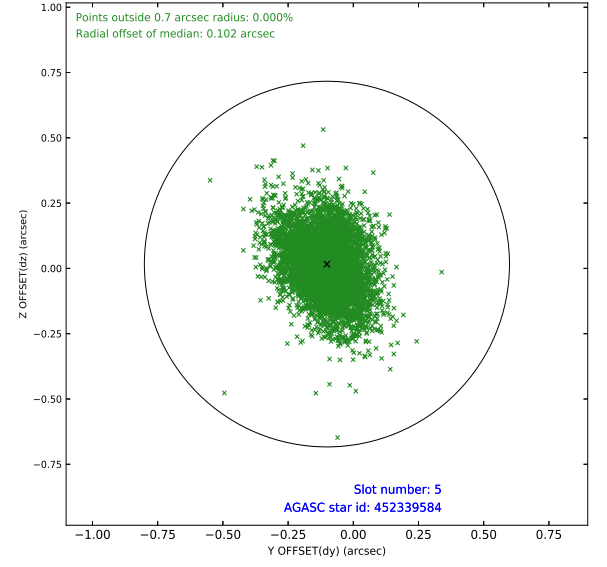
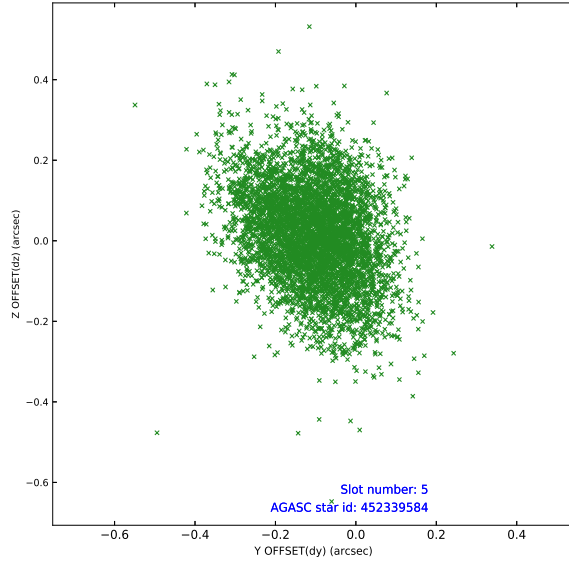
2.4.1 Slot 3



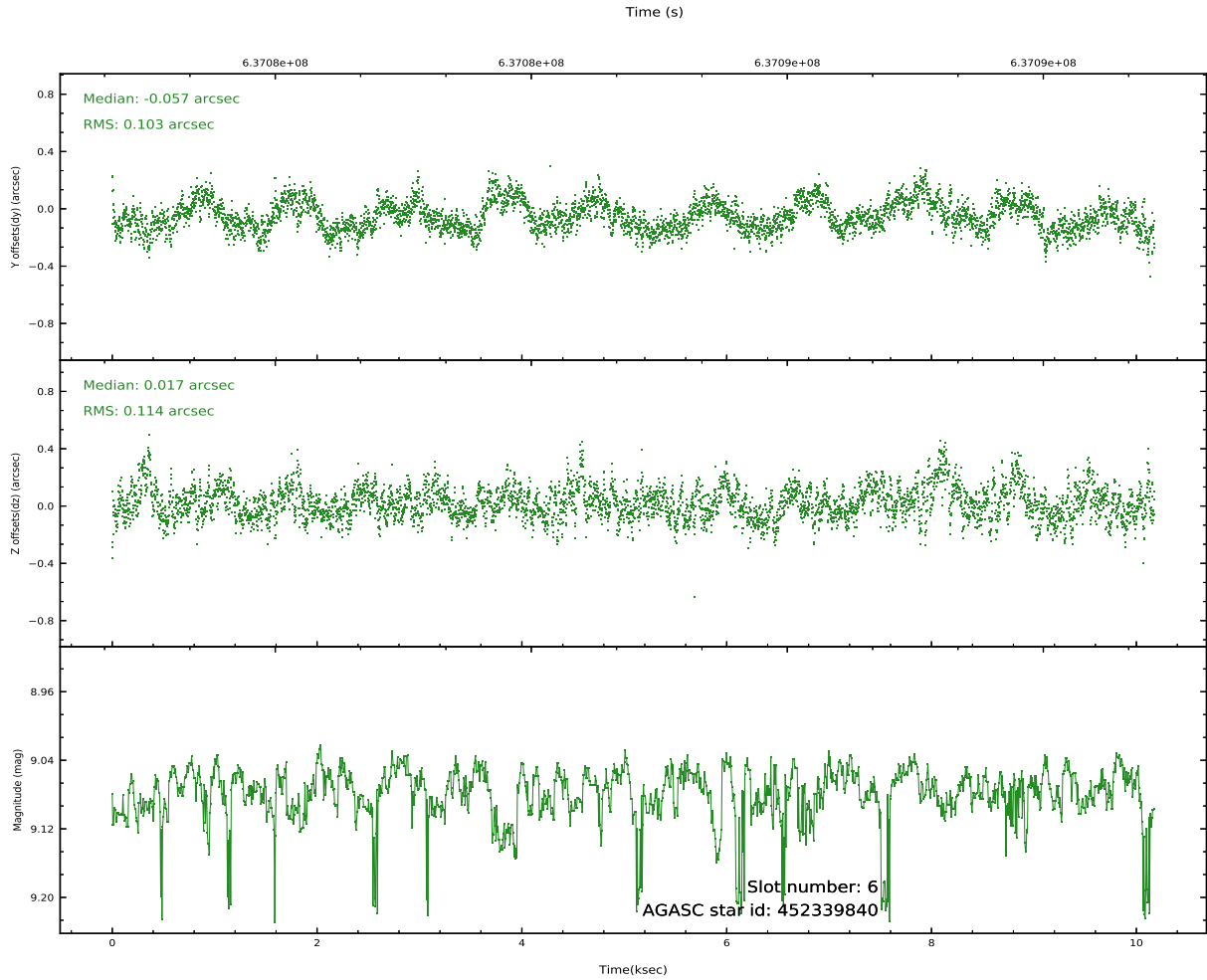
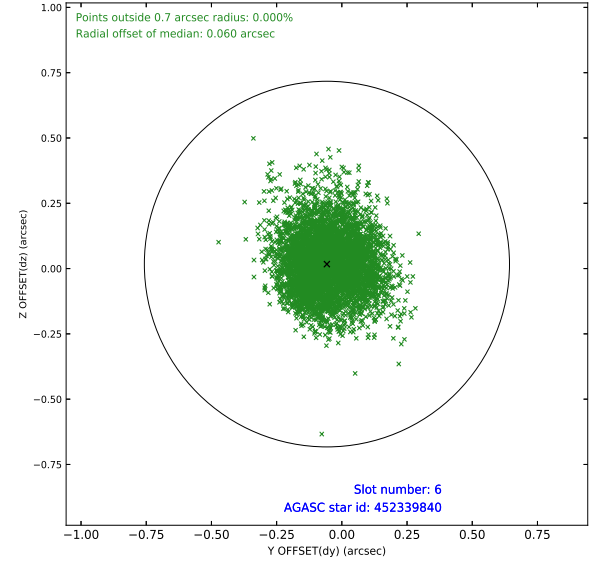
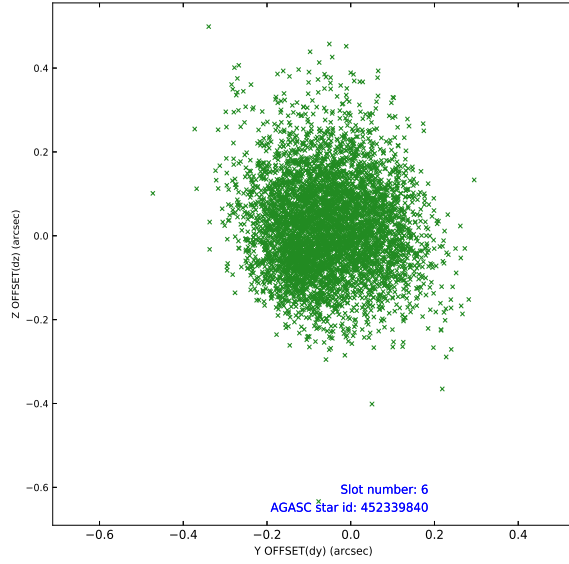
2.4.2 Slot 4



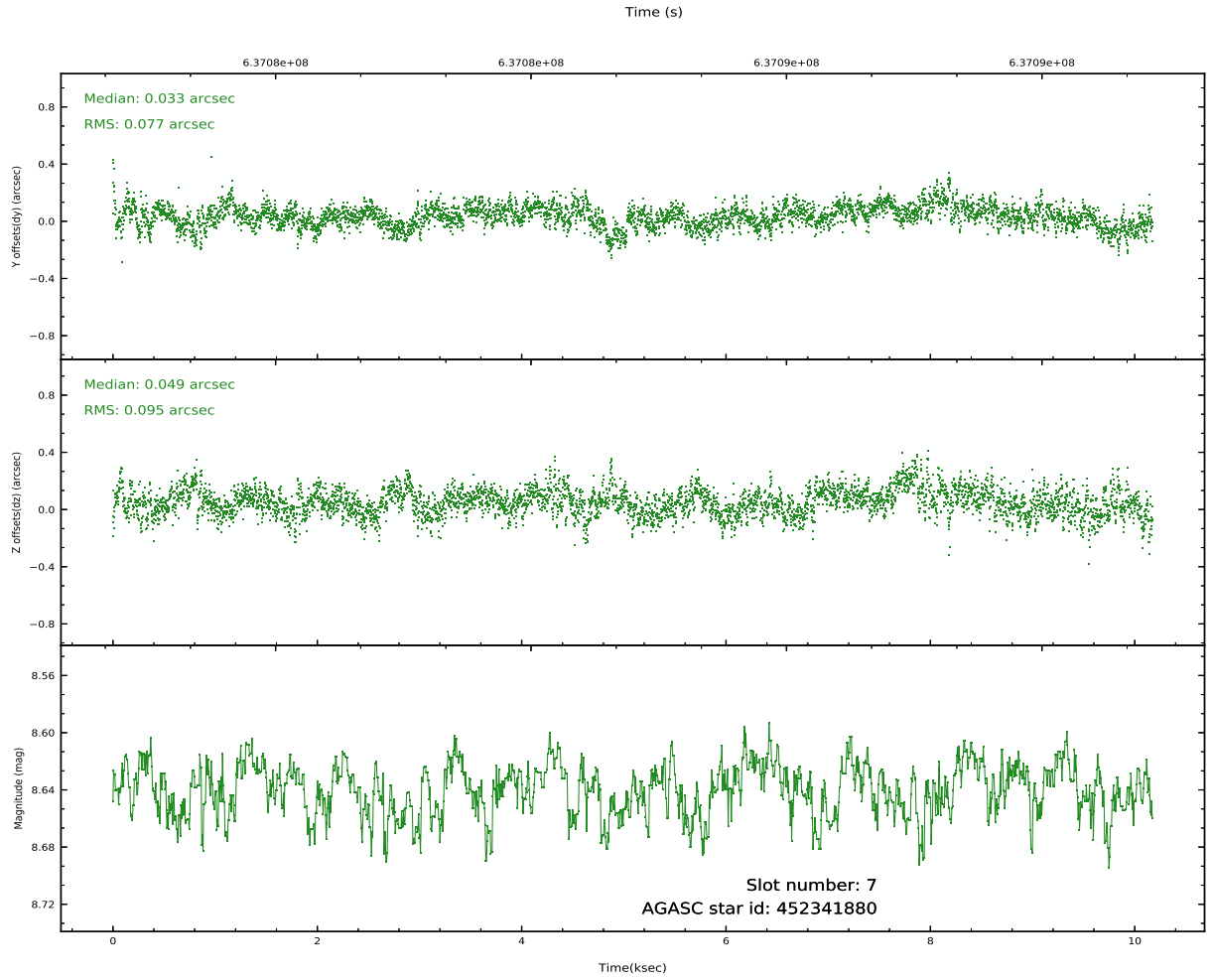
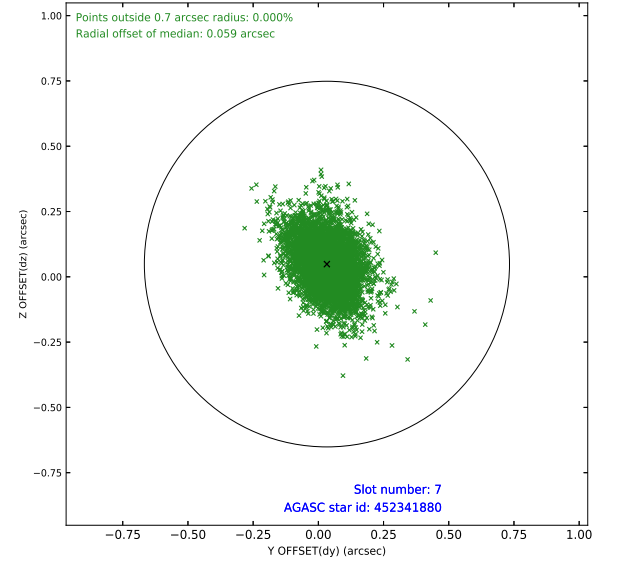
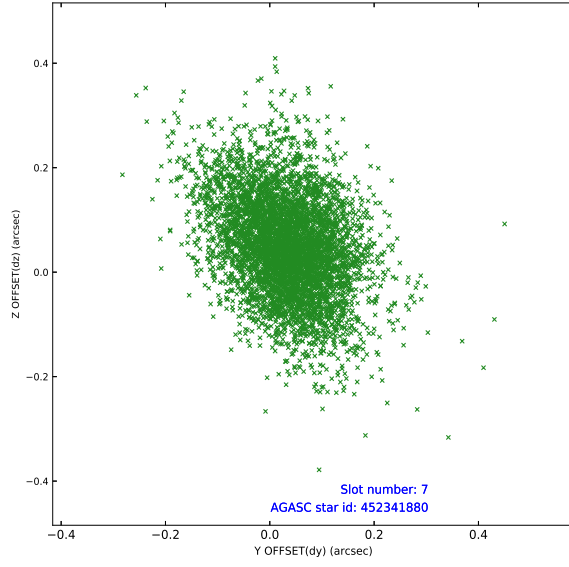
2.4.3 Slot 5



2.4.4 Slot 6

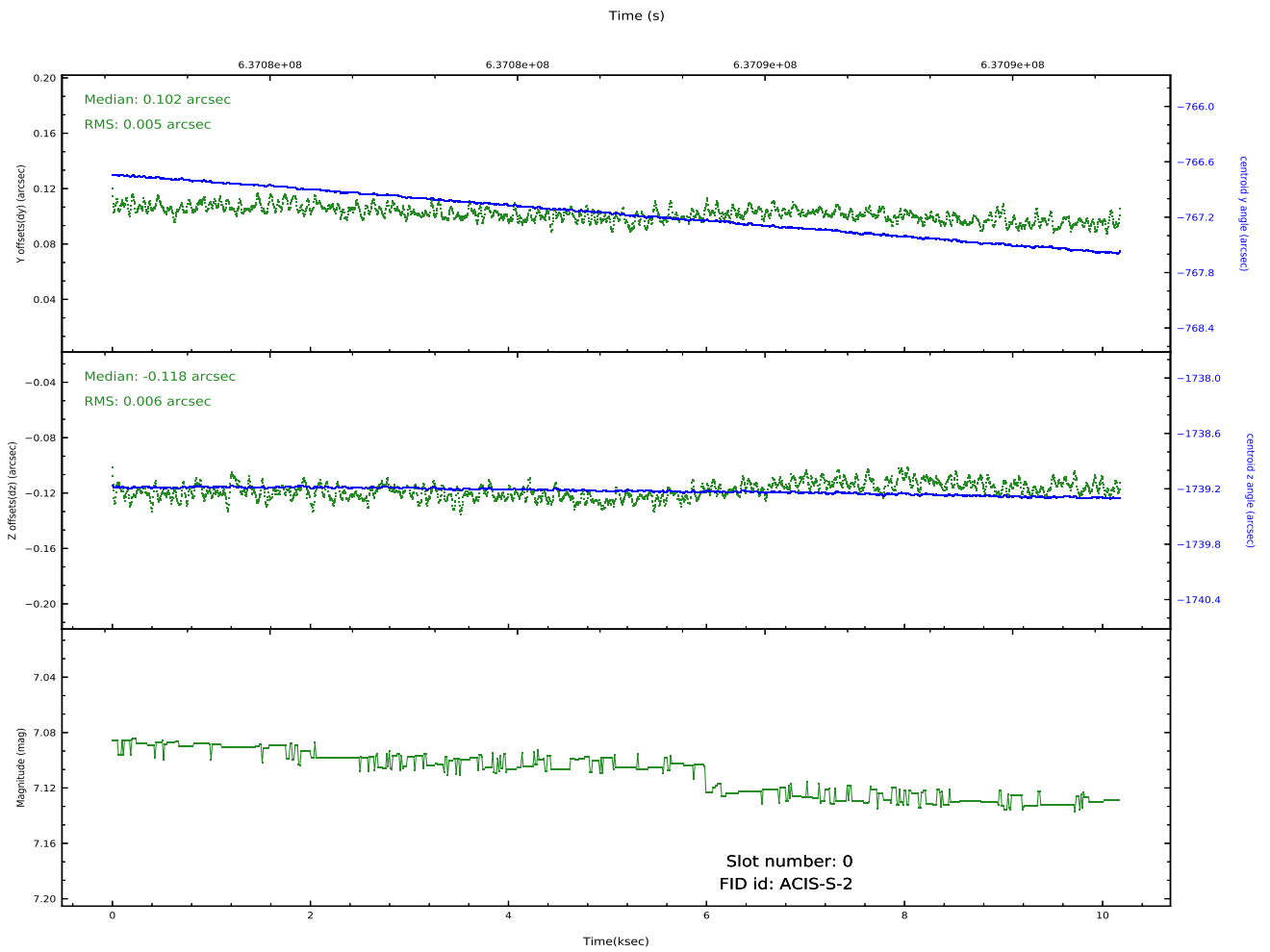
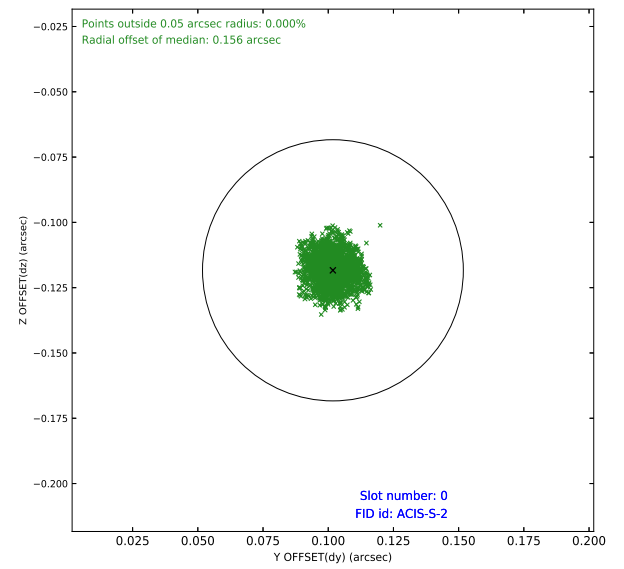
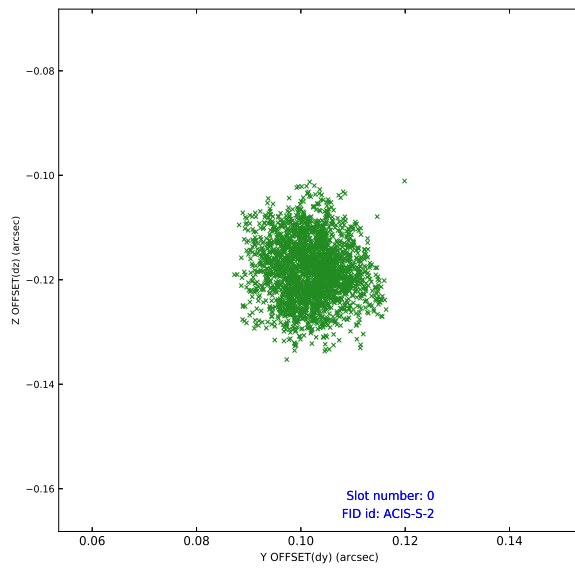


2.4.5 Slot 7

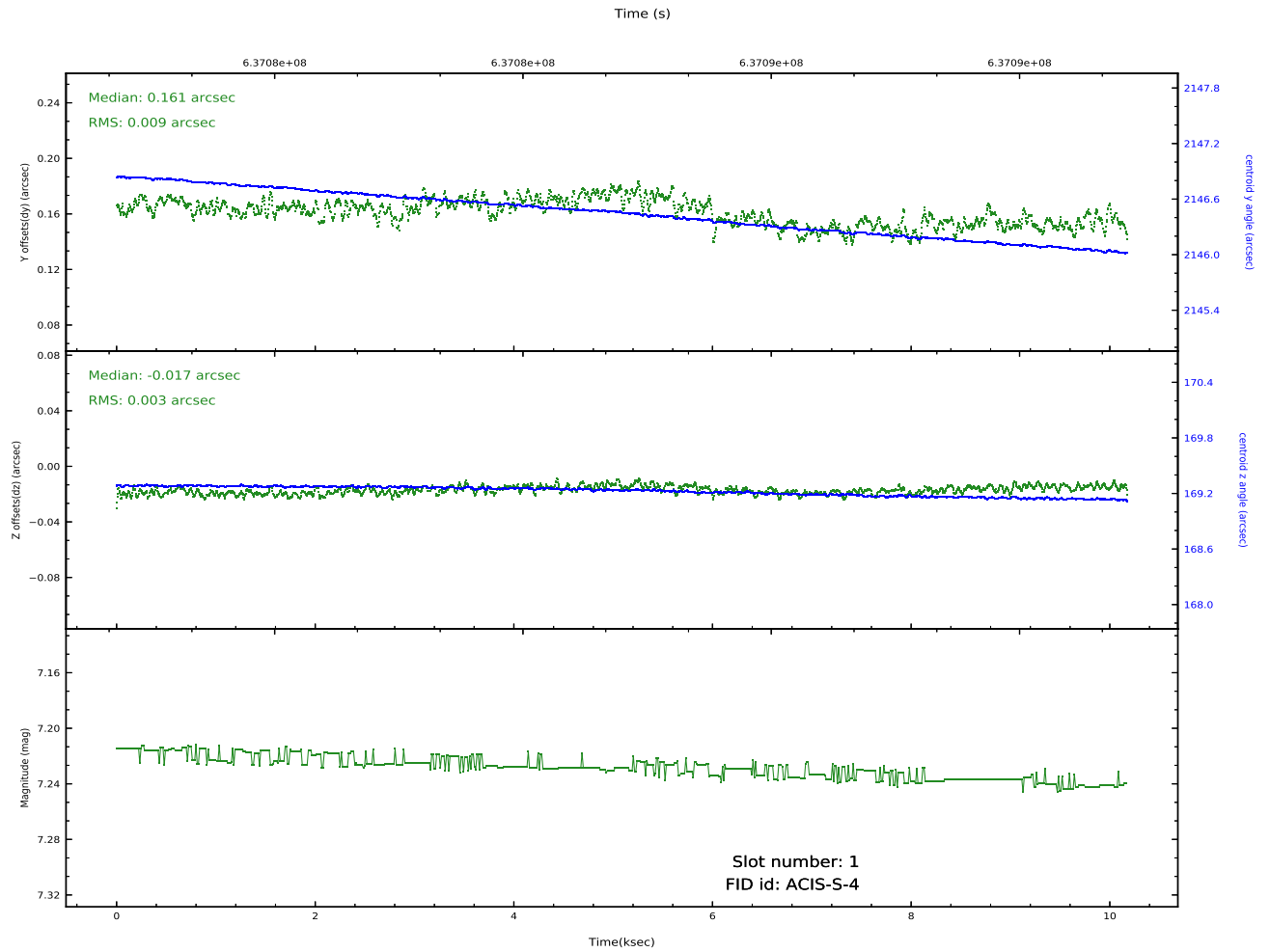
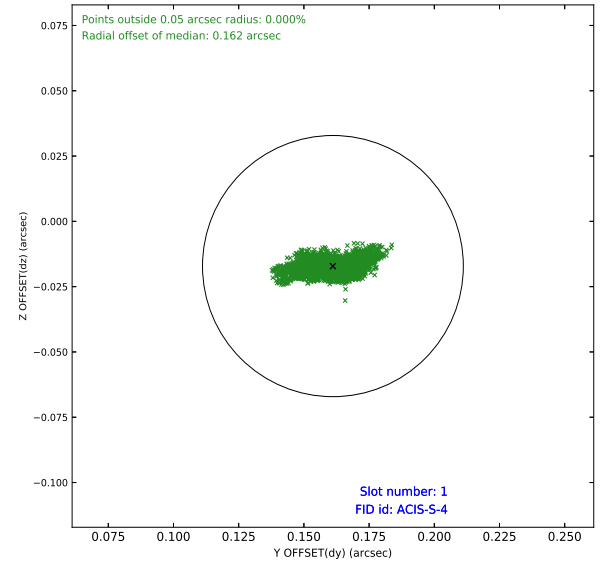
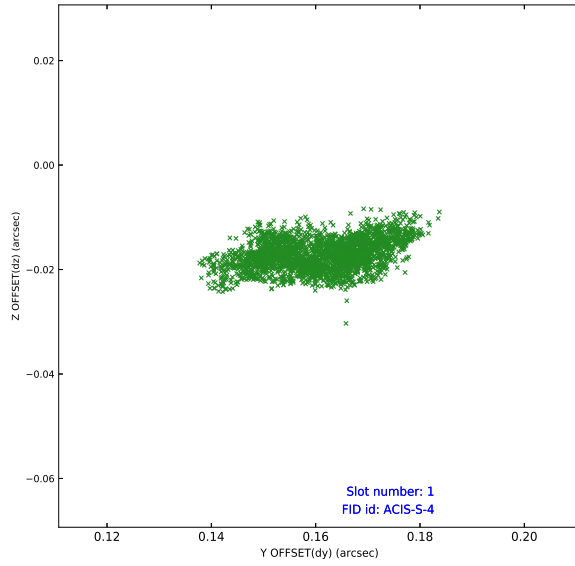


2.5 FID Slots

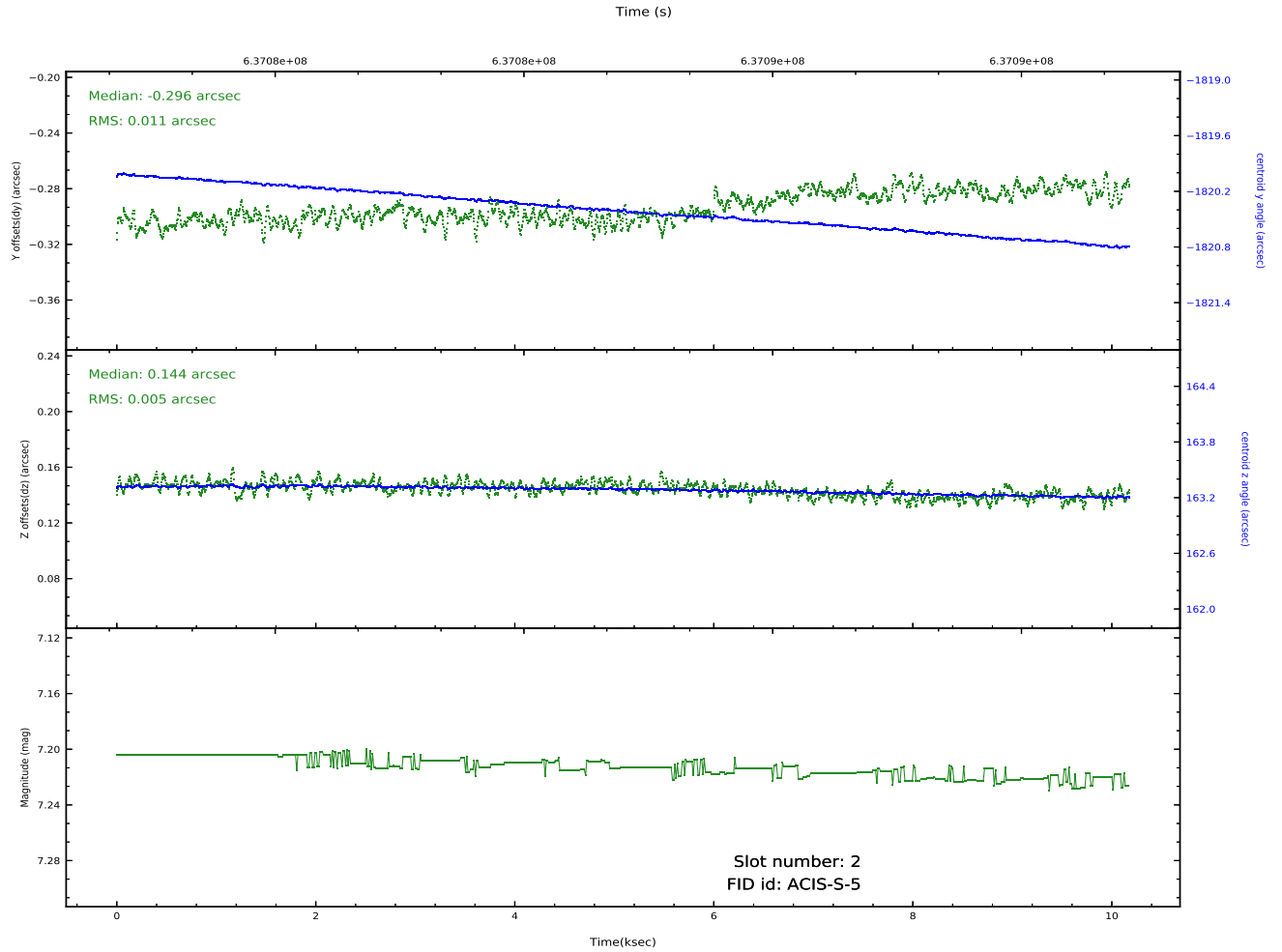
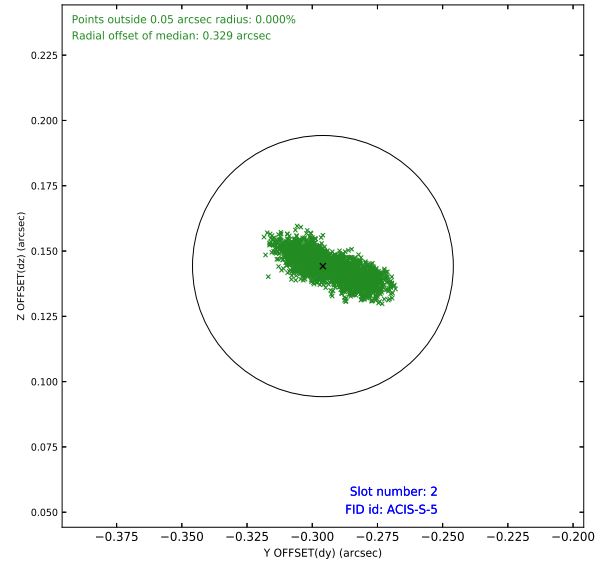
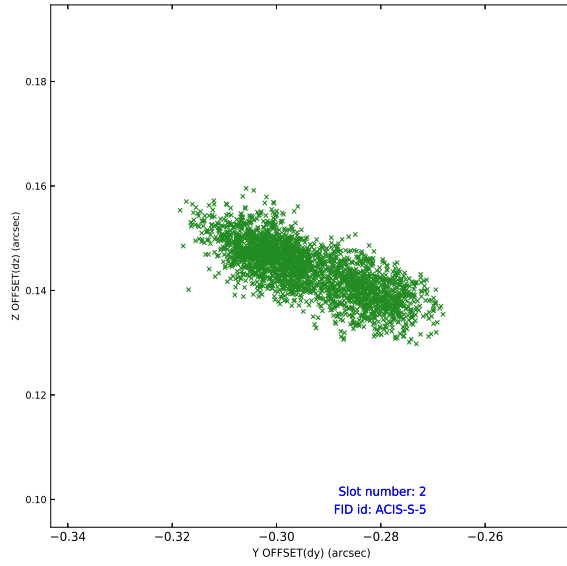
2.5.1 Slot 0



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	9.9099478193521

A.2 Comments