

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5653 - L2 Version 4
Chandra X-Ray Center

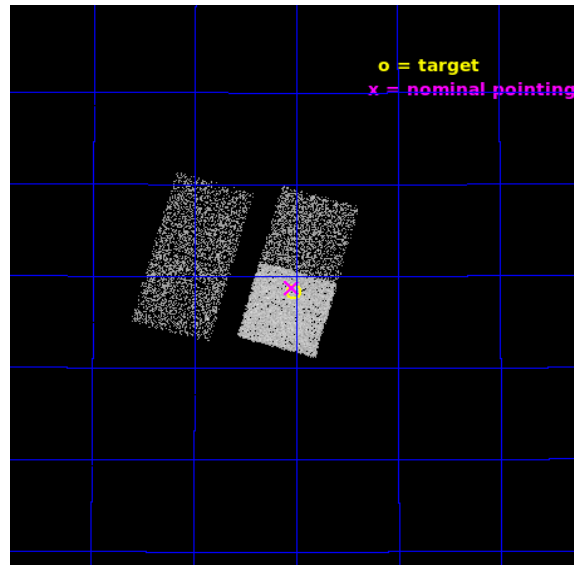
L2 Processing Date : Oct 7 2020

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1 Front

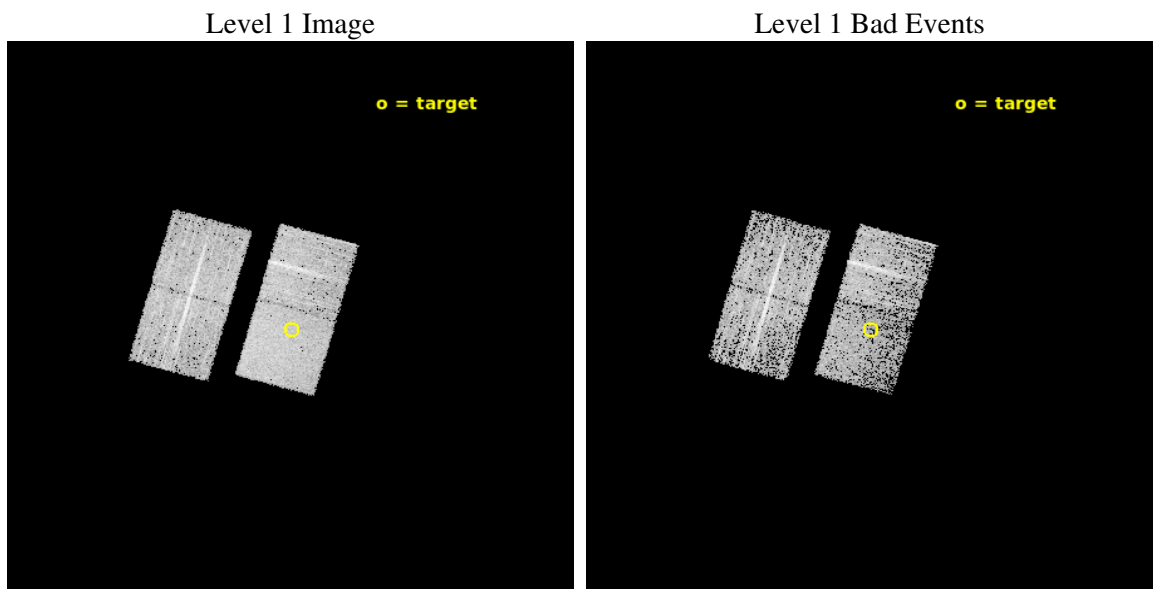
seq_num	701076	Sequence number
obs_id	5653	Observation id
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies	Proposal title
observer	Professor Karen Leighly	Principal investigator
object	SDSS J164501.69+444815.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	251.257083	Observer's specified target RA [deg]
dec_targ	44.804306	Observer's specified target Dec [deg]
ra_nom	251.26047982848	Nominal RA [deg]
dec_nom	44.81266698561	Nominal Dec [deg]
roll_nom	105.99271893781	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4550.7999912202	Sum of GTIs [s]
livetime	4491.3404390847	Livetime [s]
ontime2	4547.6590308845	Sum of GTIs [s]
ontime3	4550.7999912202	Sum of GTIs [s]
ontime6	4550.7999912202	Sum of GTIs [s]
ontime7	4550.7999912202	Sum of GTIs [s]
l2events	20851	Number of level 2 events



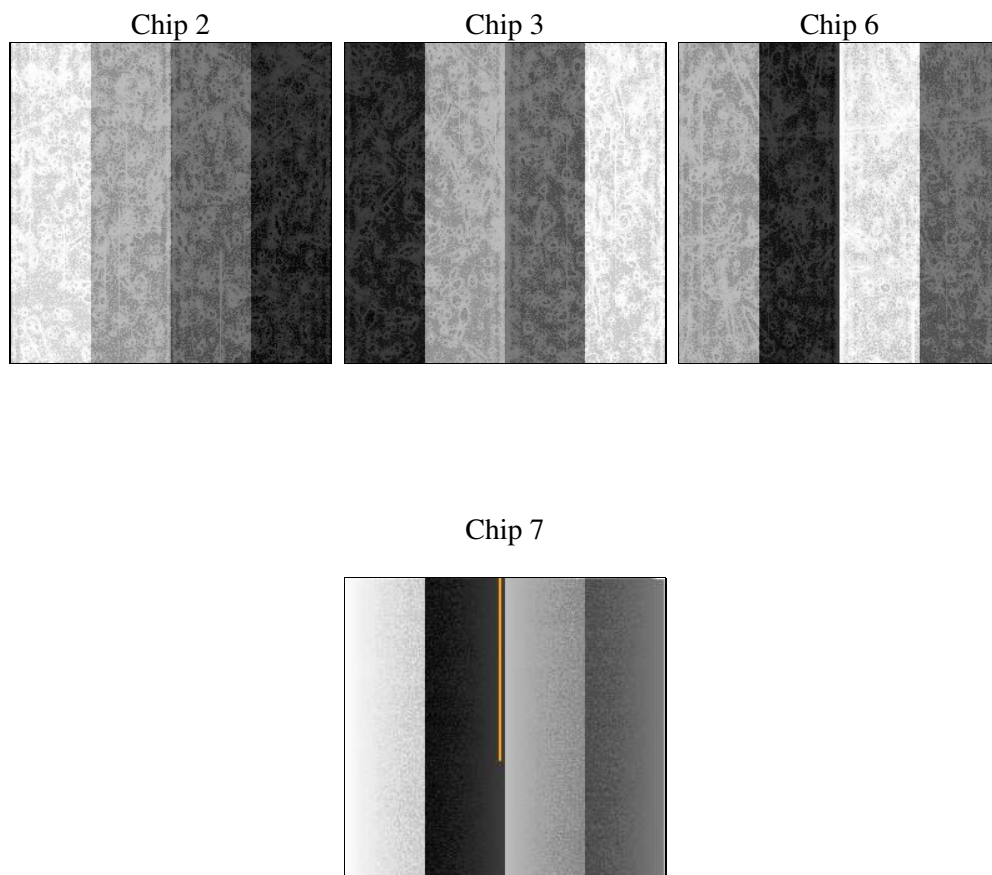
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4550.7999912202	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4547.6590308845	Sum of GTIs [s]
date	2020-10-07T10:37:34	Date and time of file creation	ontime3	4550.7999912202	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	4550.7999912202	Sum of GTIs [s]
			ontime7	4550.7999912202	Sum of GTIs [s]
			l1events	113644	Number of level 1 events

2.1.4 Events

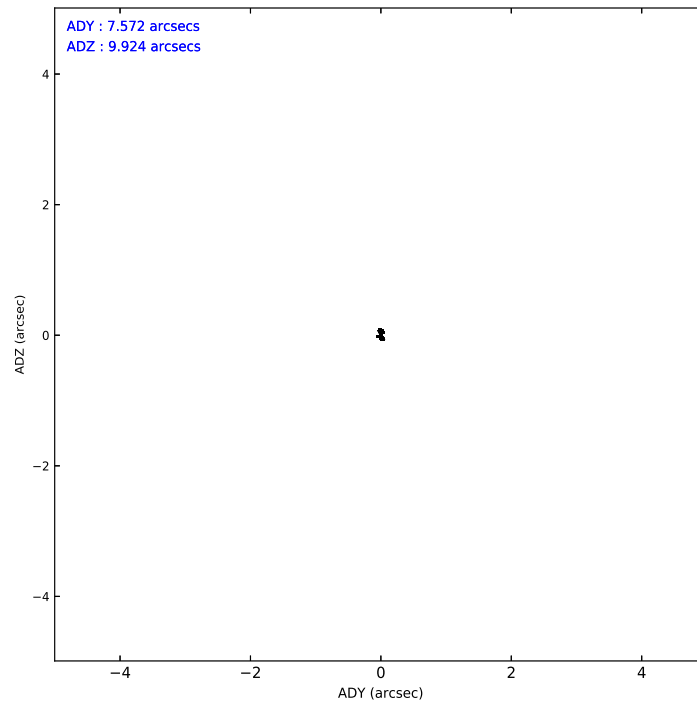
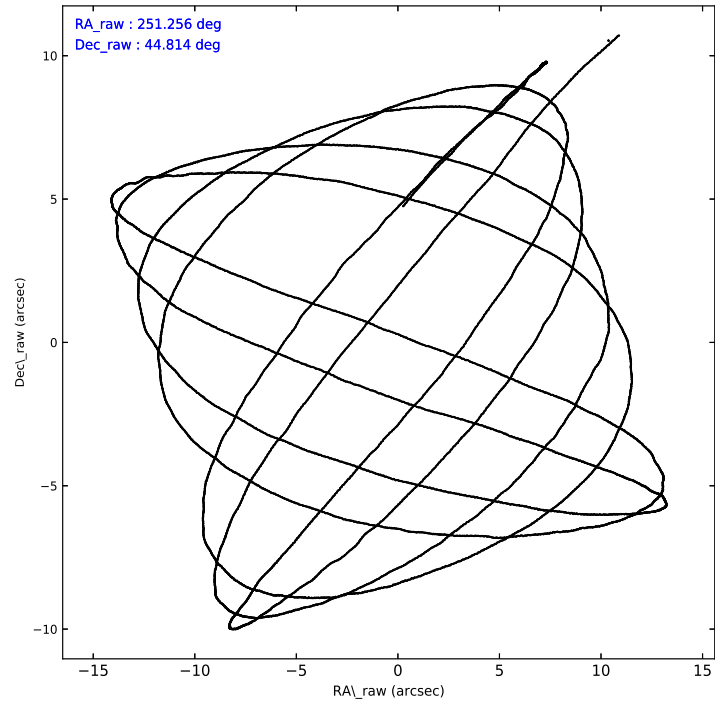
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	26997	26929	28251	31467
rejected events	24302	24394	25317	17089
rejected %	90%	90%	89%	54%

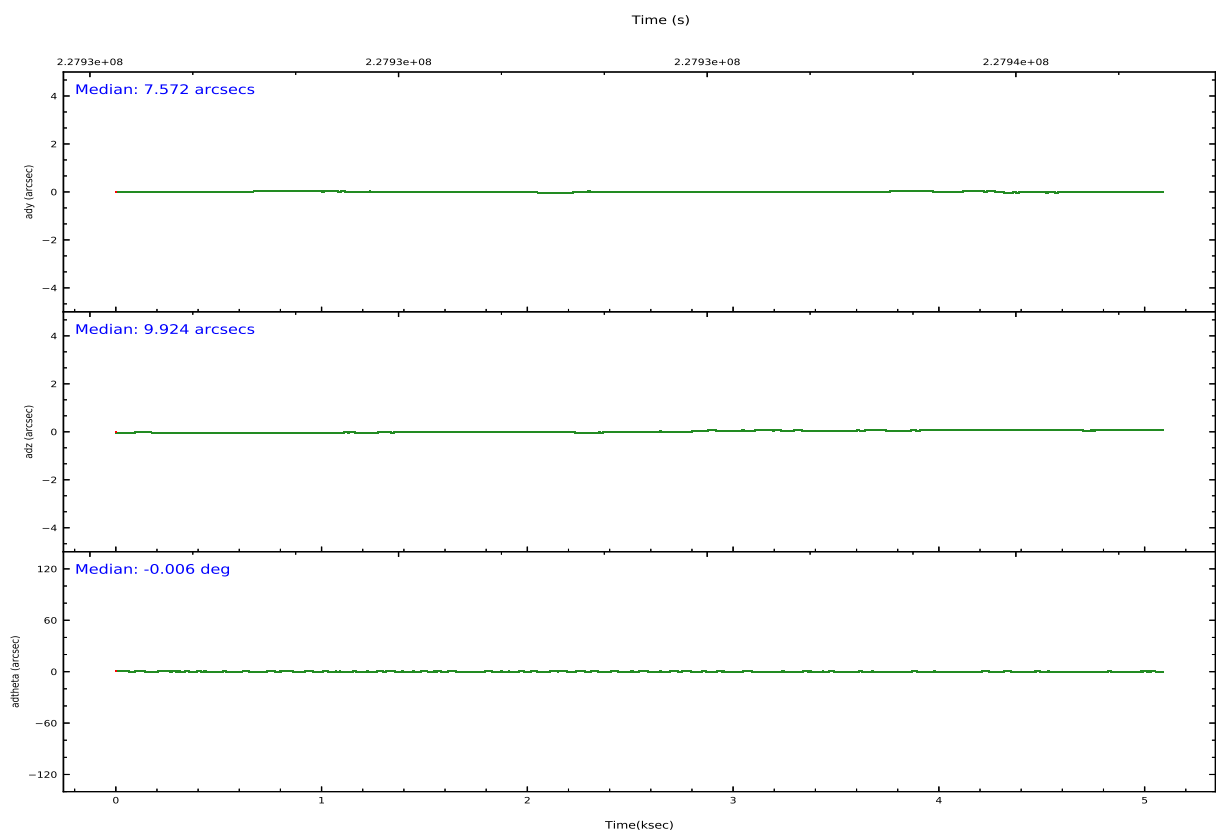
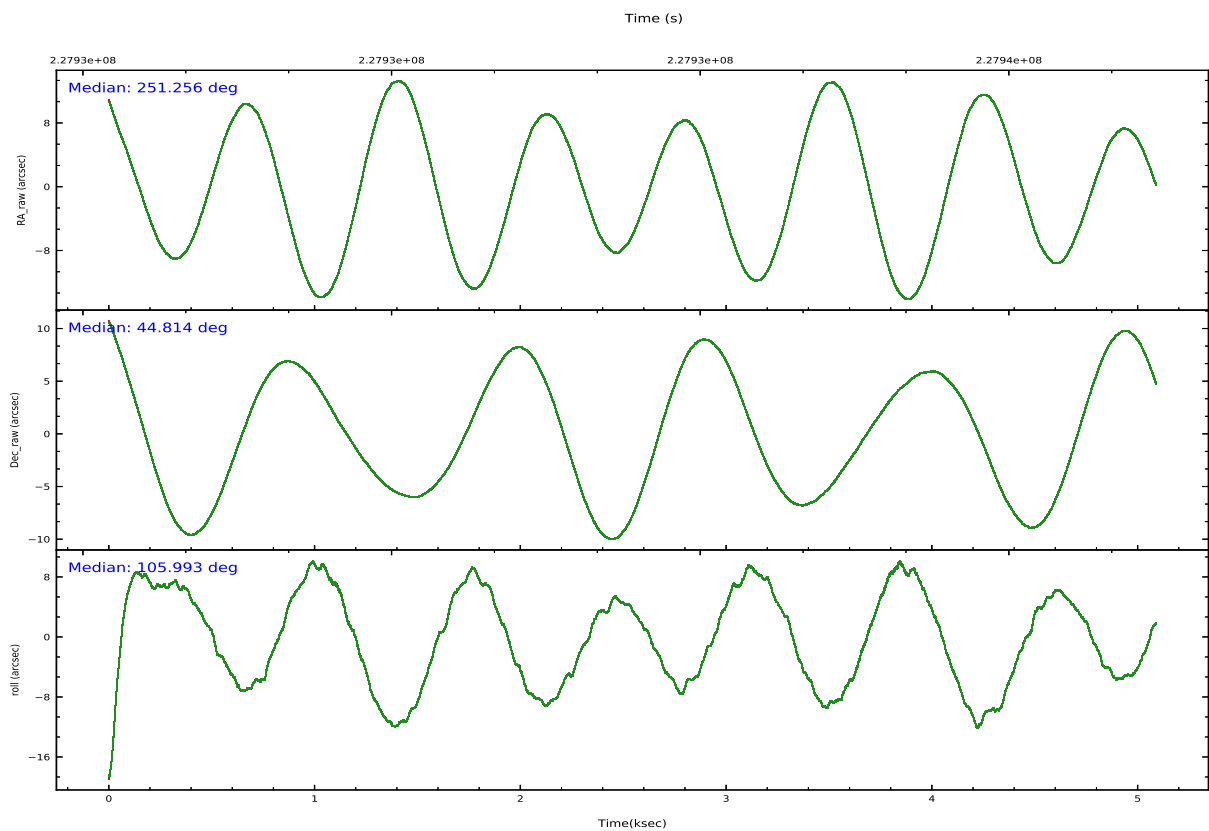
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	999	847	1005	1316
	3%	3%	3%	4%
grade 1 events	14	6	25	27
	0%	0%	0%	0%
grade 2 events	599	567	628	2859
	2%	2%	2%	9%
grade 3 events	287	320	344	1441
	1%	1%	1%	4%
grade 4 events	316	285	326	1310
	1%	1%	1%	4%
grade 5 events	894	1133	1113	3335
	3%	4%	3%	10%
grade 6 events	496	516	634	7461
	1%	1%	2%	23%
grade 7 events	23392	23255	24176	13718
	86%	86%	85%	43%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	251.283637	251.26047982848	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.795267	44.81266698561	Alternating exposures requested	N	N
[deg] Pointing Roll	105.814274	105.99271893781	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	227931217.184000	227930147.0288			
Observation start date	2005-03-23T02:12:33	2005-03-23T01:55:47			
[s] Observation end time (MET)	227935717.184000	227936379.02908			
Observation end date	2005-03-23T03:27:33	2005-03-23T03:39:39			
Read mode	TIMED	TIMED			

2.3 Aspect



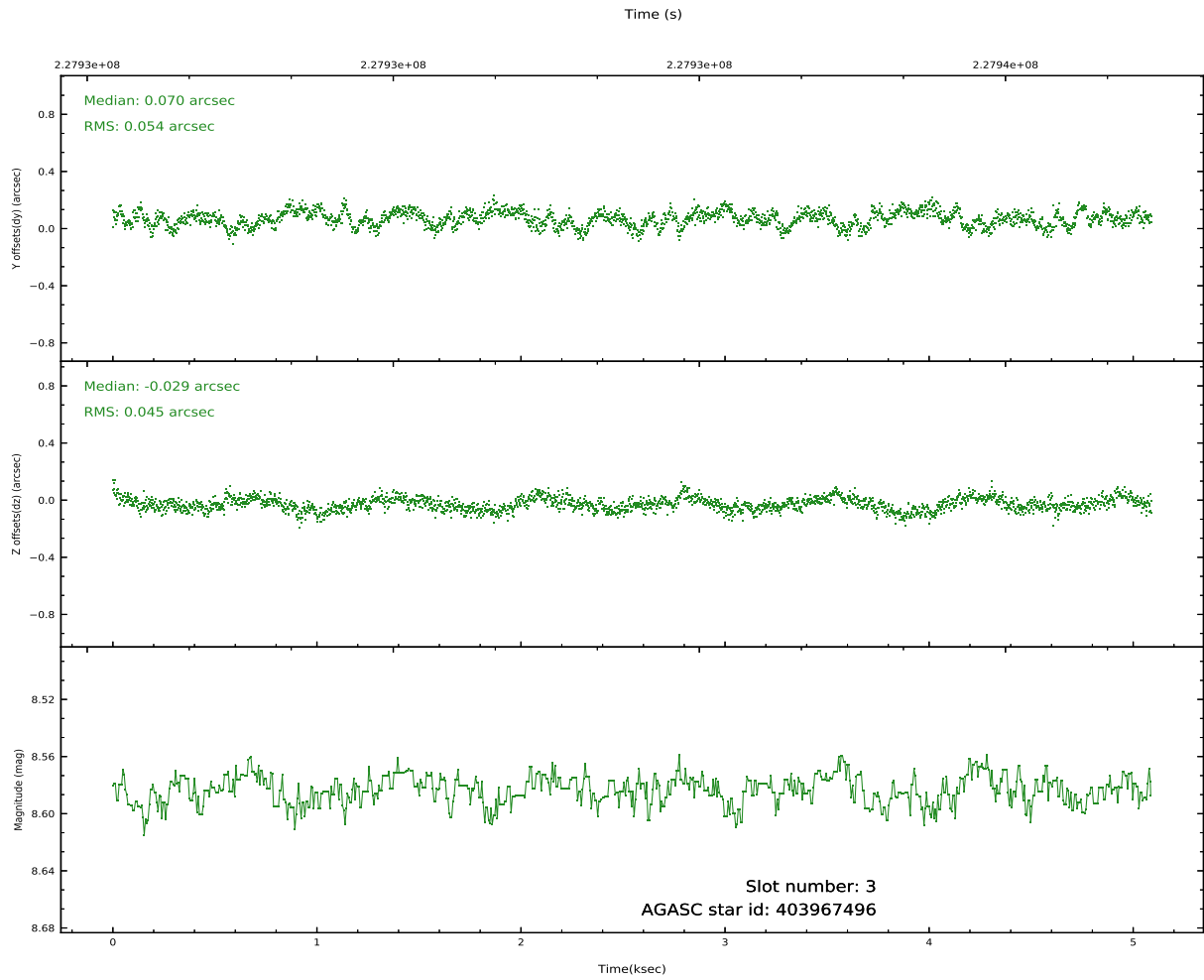
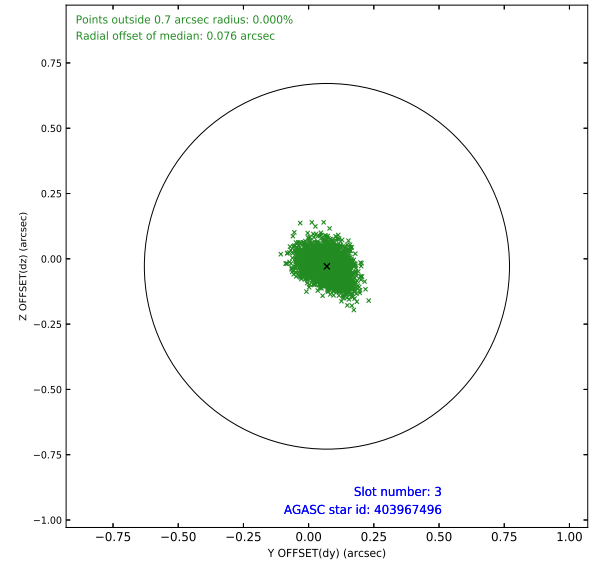
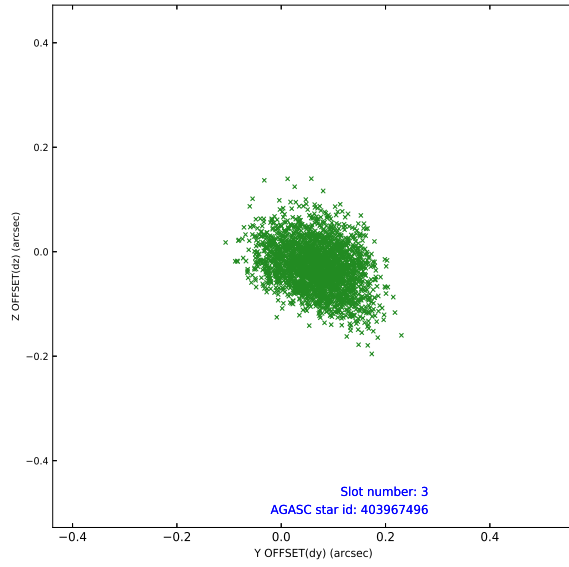


Slot Statistics

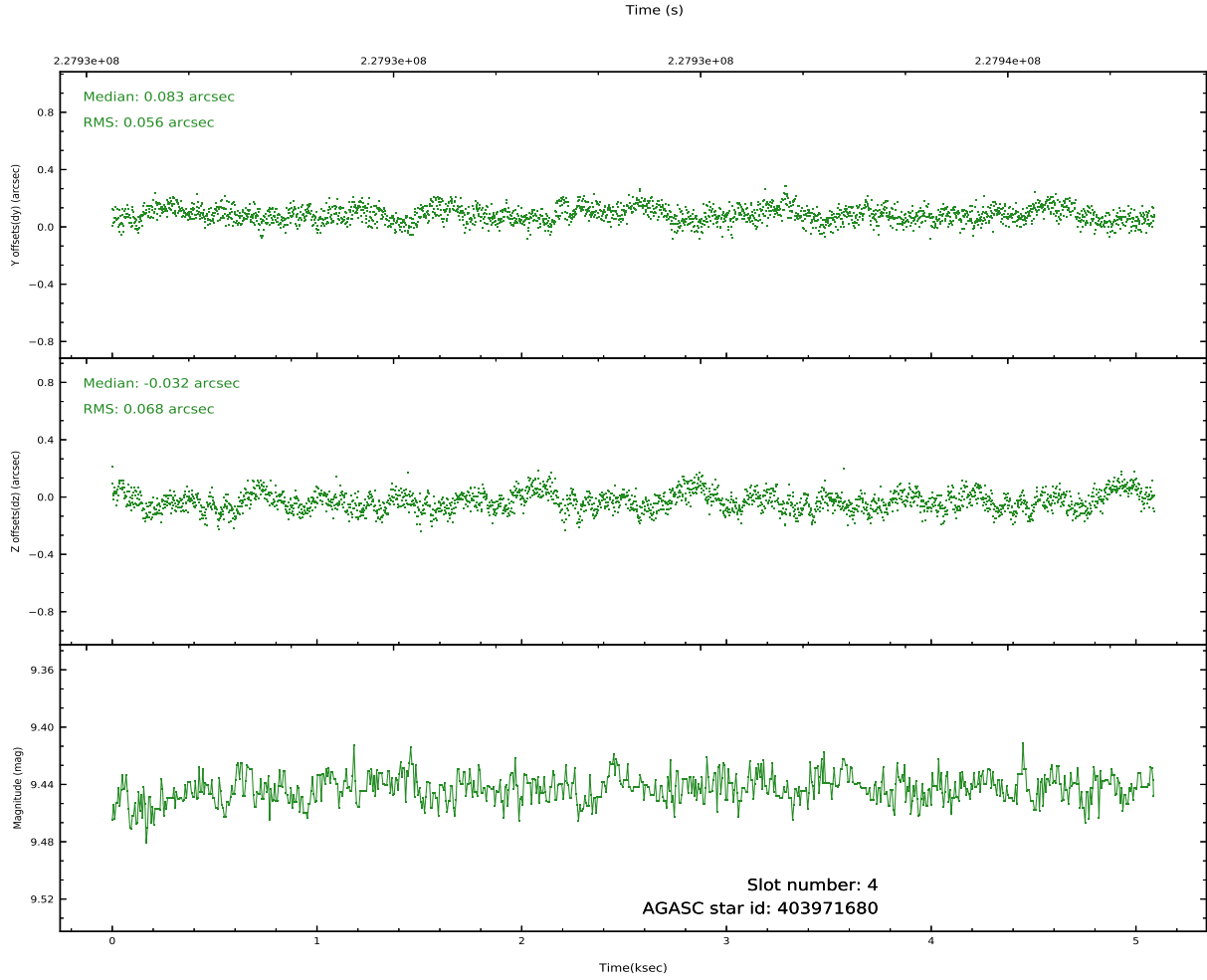
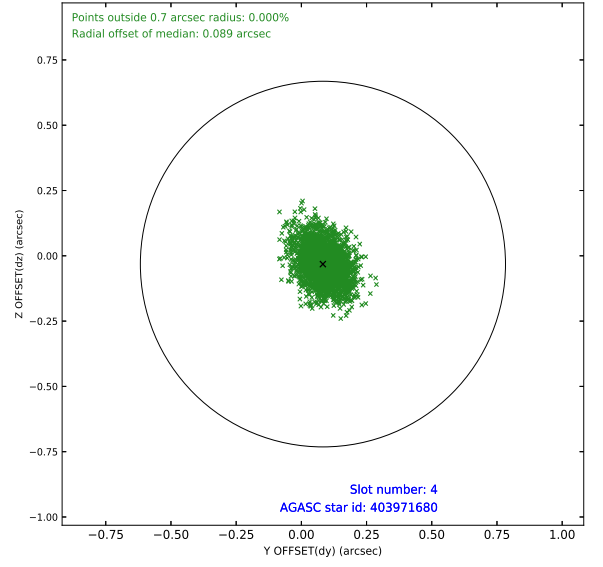
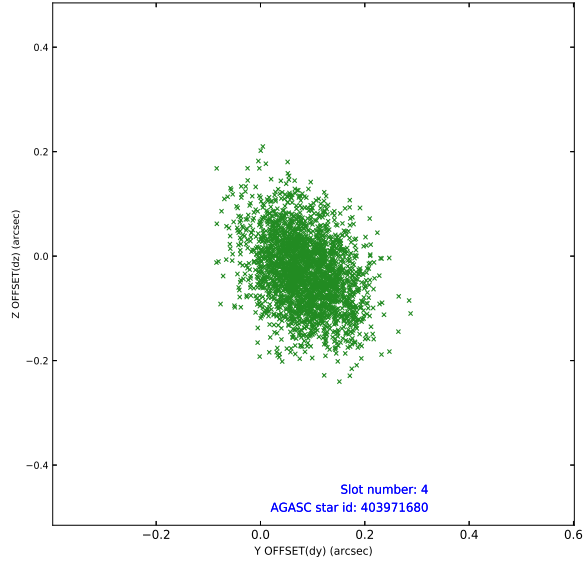
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1242	1.000	-0.077	-0.065	0.007	0.012	0.000000	0.000000	-760.35	-1731
1	FID		ACIS-S-4	7.20	1242	1.000	0.161	0.054	0.005	0.010	0.000000	0.000000	2152.55	176
2	FID		ACIS-S-5	7.24	1242	1.000	-0.116	0.019	0.007	0.012	0.000000	0.000000	-1811.77	171
3	GUIDE	used	403967496	8.58	2482	1.000	0.070	-0.029	0.075	0.122	250.953746	44.214120	-1779.42	1388
4	GUIDE	used	403971680	9.44	2482	1.000	0.083	-0.032	0.093	0.153	250.873106	44.943708	801.35	861
5	GUIDE	used	458636568	9.04	2484	1.000	-0.099	0.008	0.069	0.111	250.506253	45.189221	1911.45	1509
6	GUIDE	used	458756568	9.80	2481	1.000	-0.096	0.093	0.127	0.209	251.904062	45.185359	928.86	-1897
7	GUIDE	used	403967320	7.76	2483	1.000	0.044	-0.041	0.048	0.080	251.285478	44.113335	-2363.04	663

2.4 Star Slots

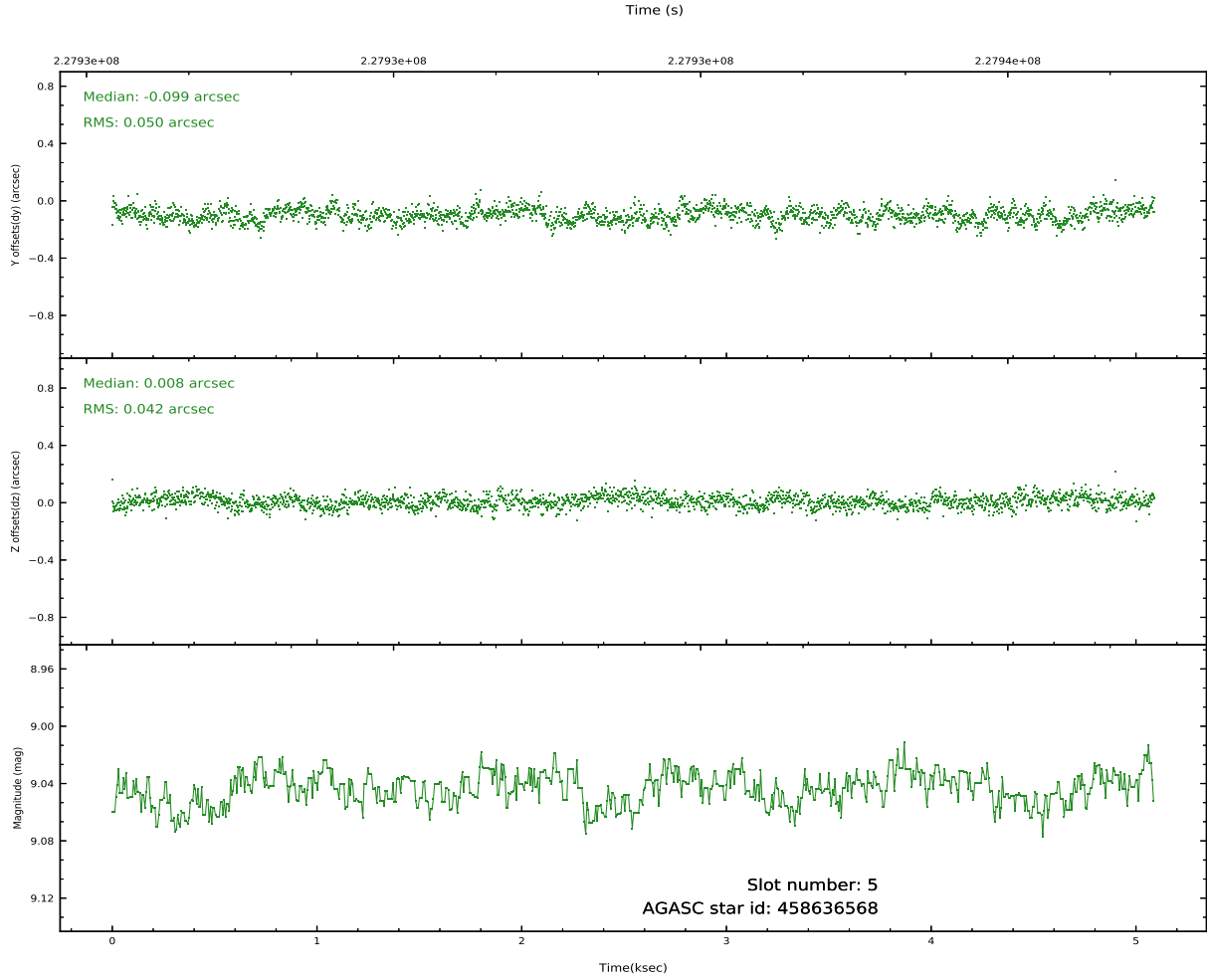
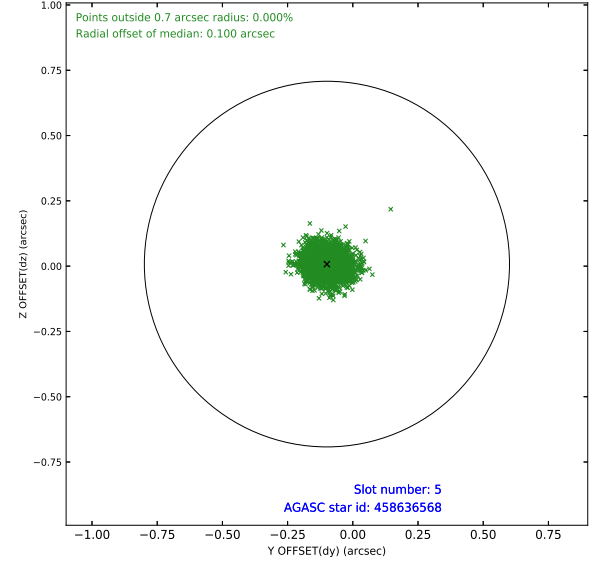
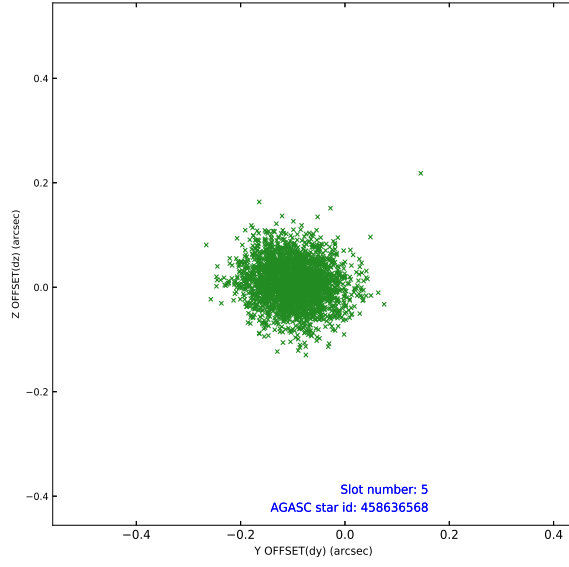
2.4.1 Slot 3



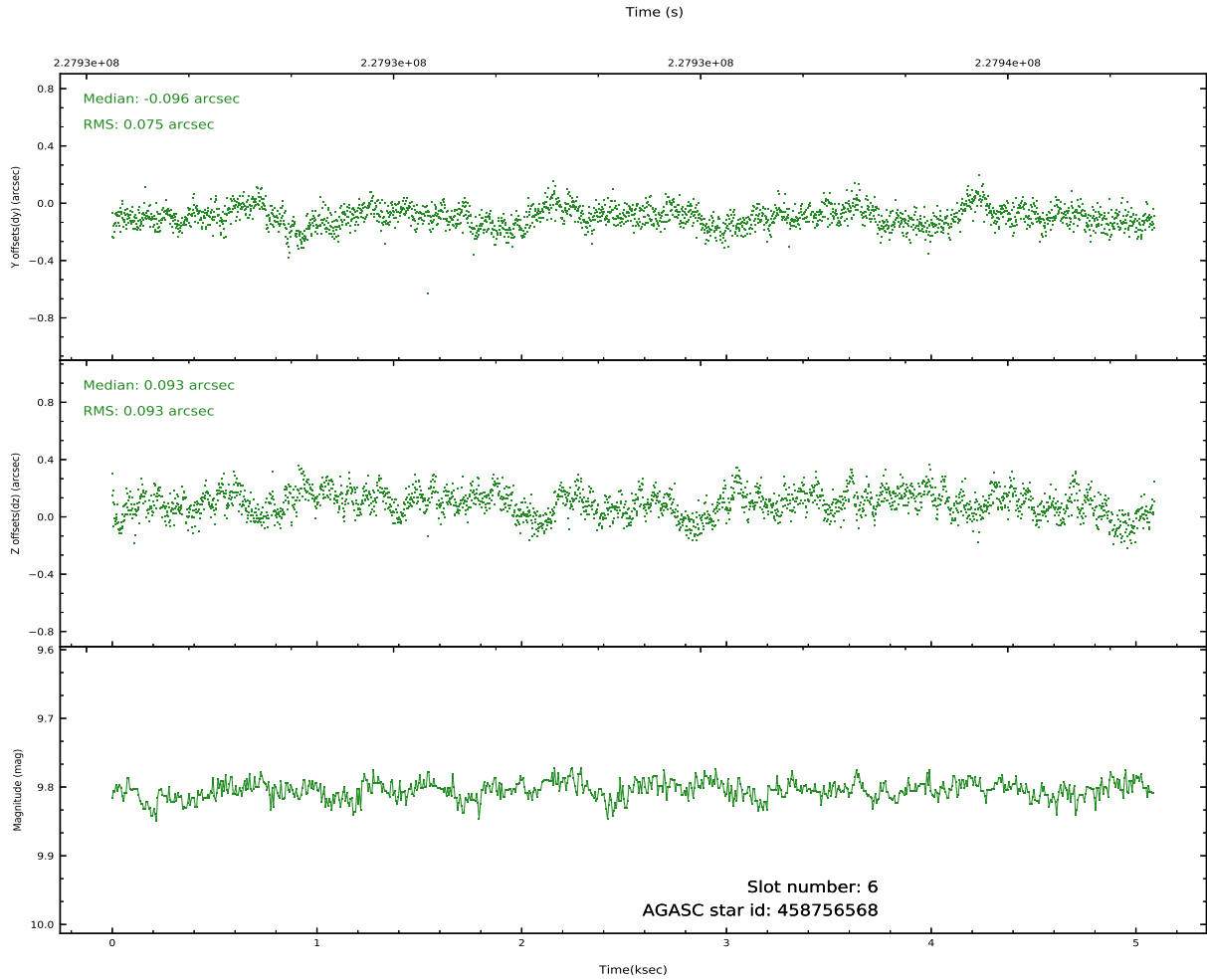
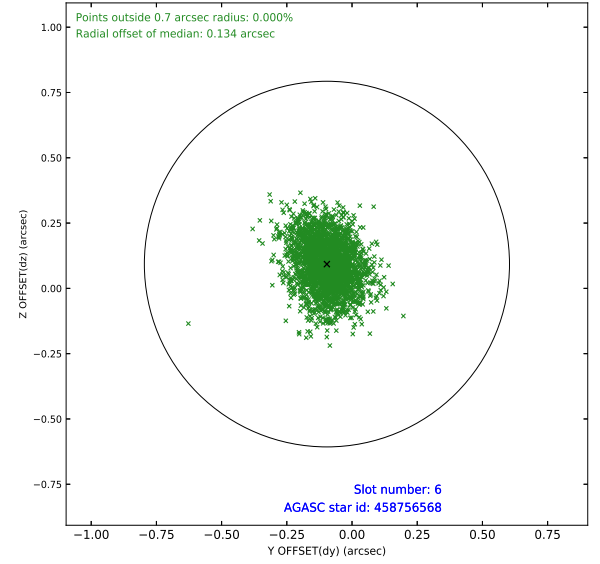
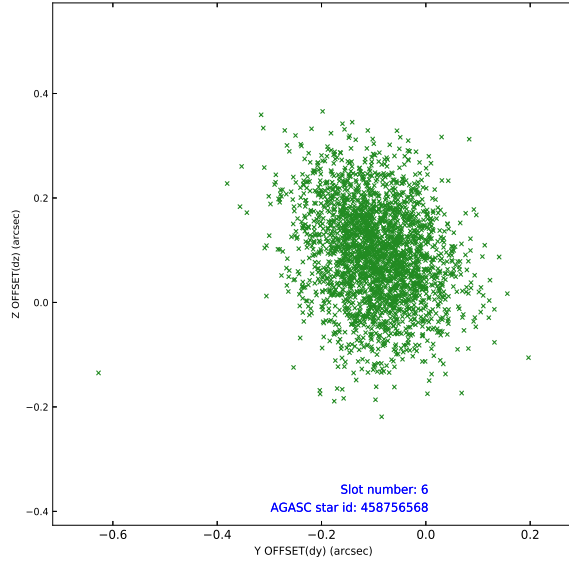
2.4.2 Slot 4



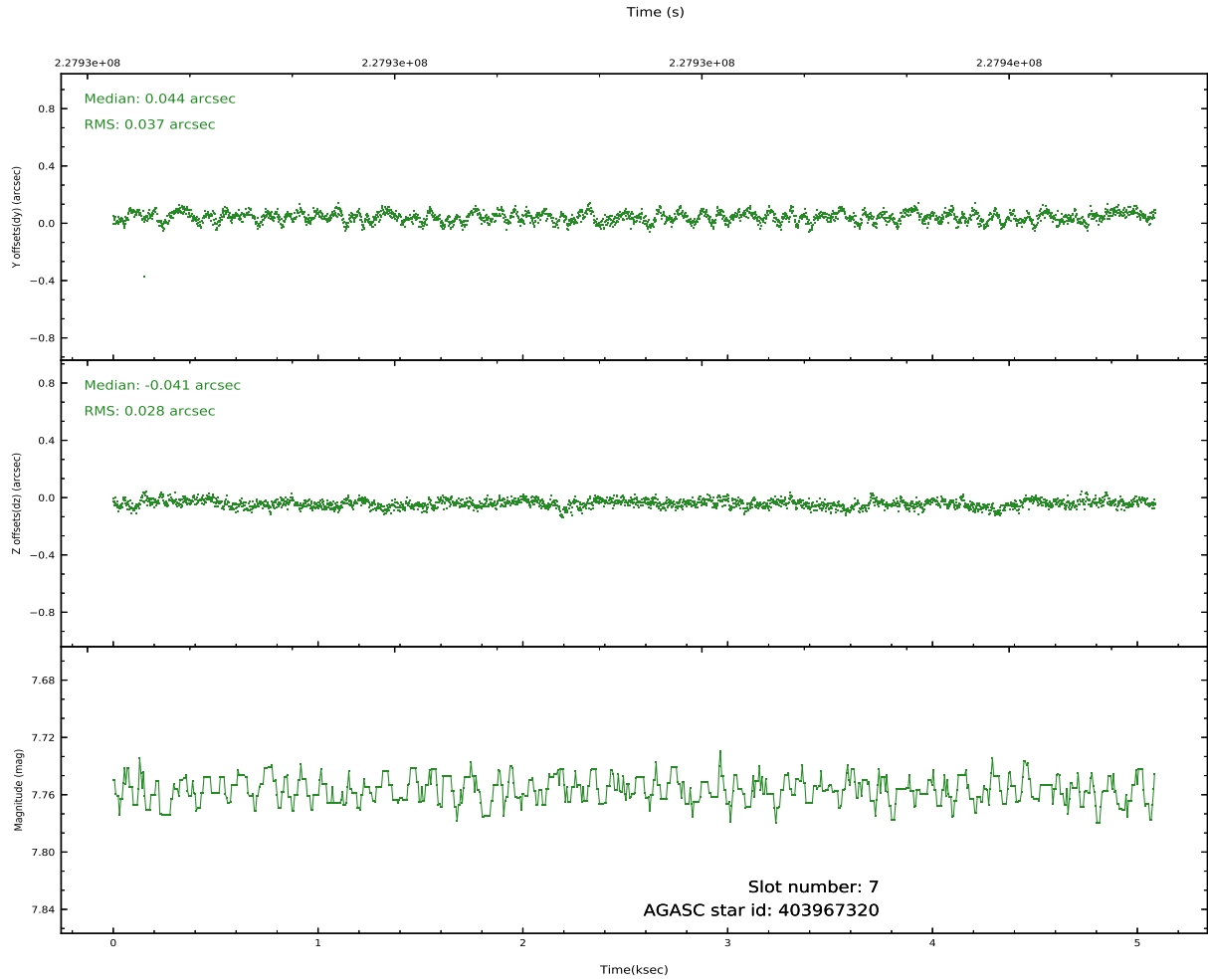
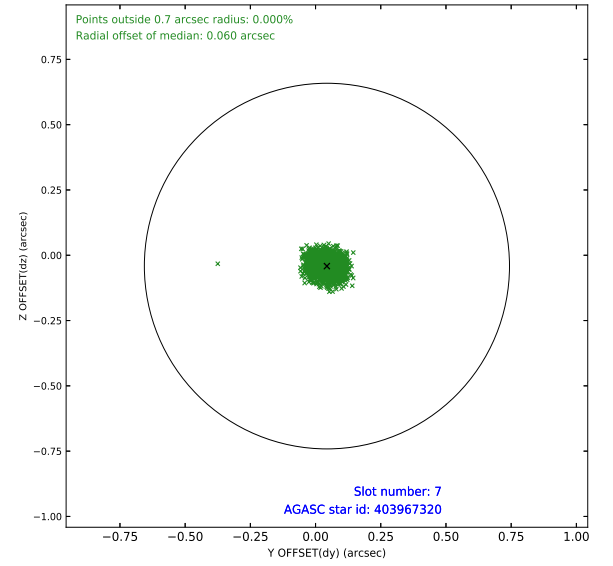
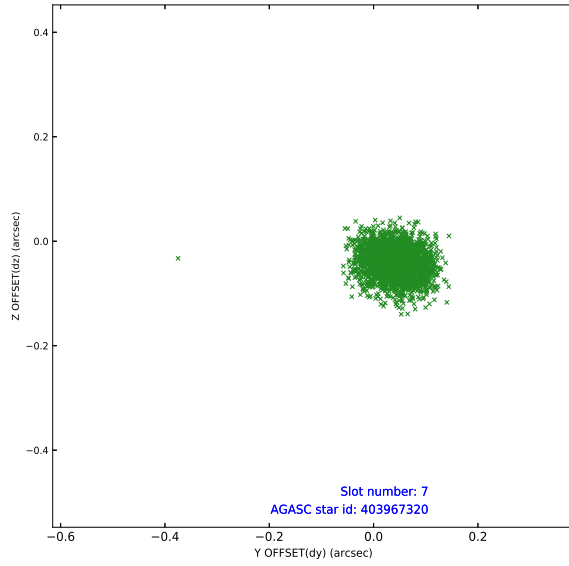
2.4.3 Slot 5



2.4.4 Slot 6

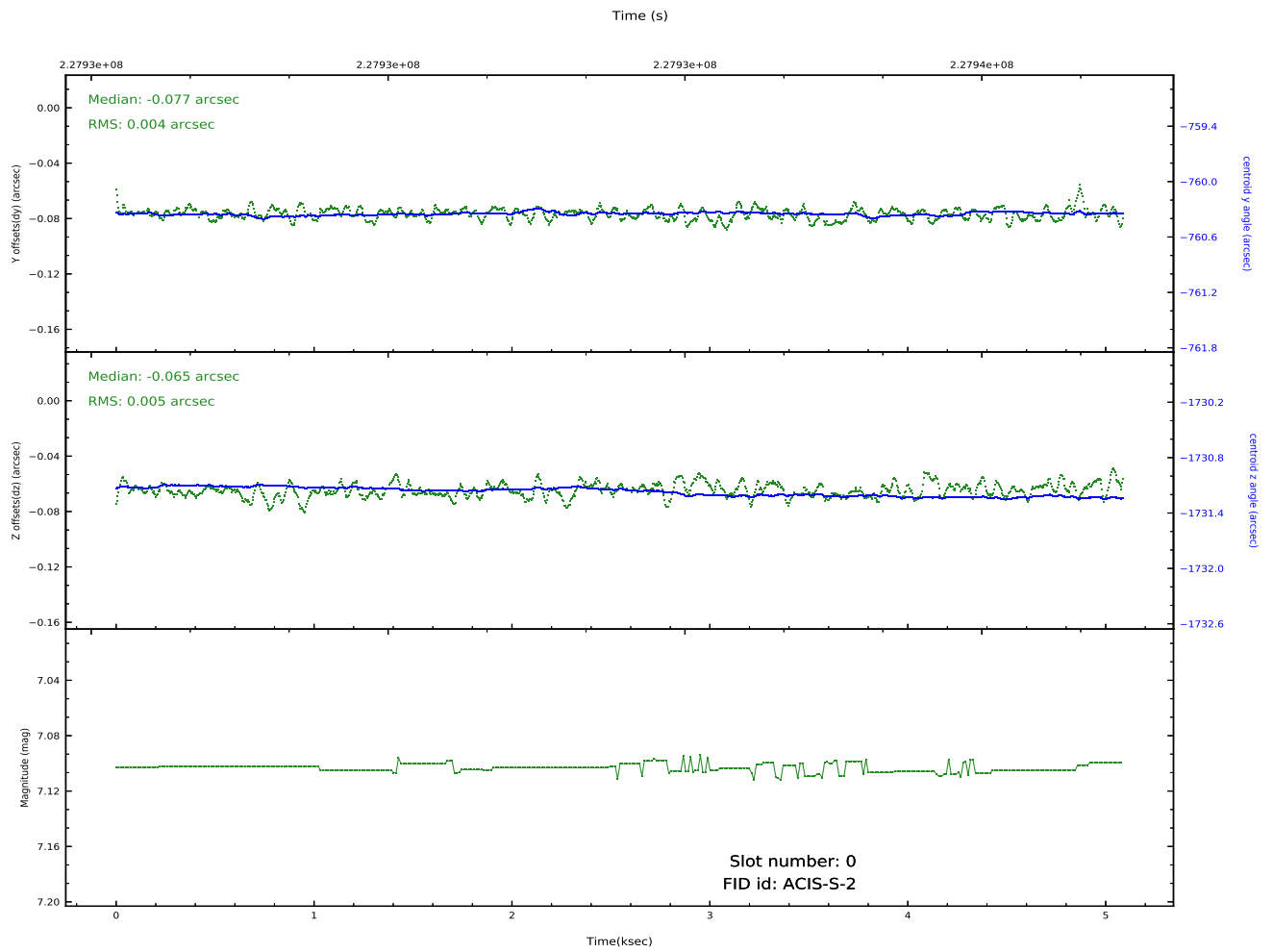
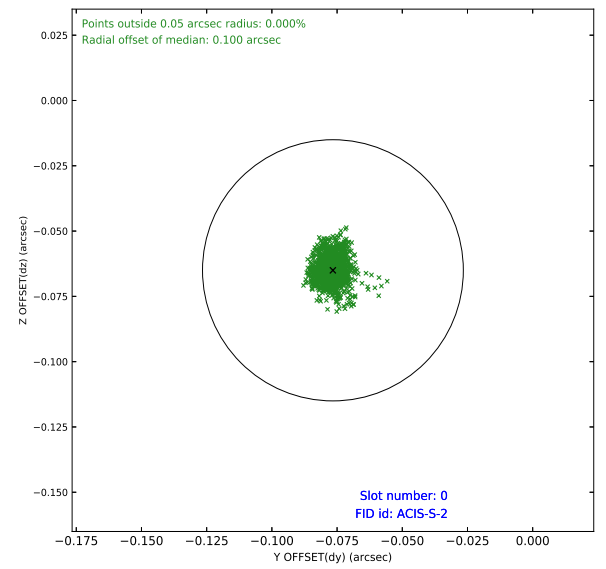
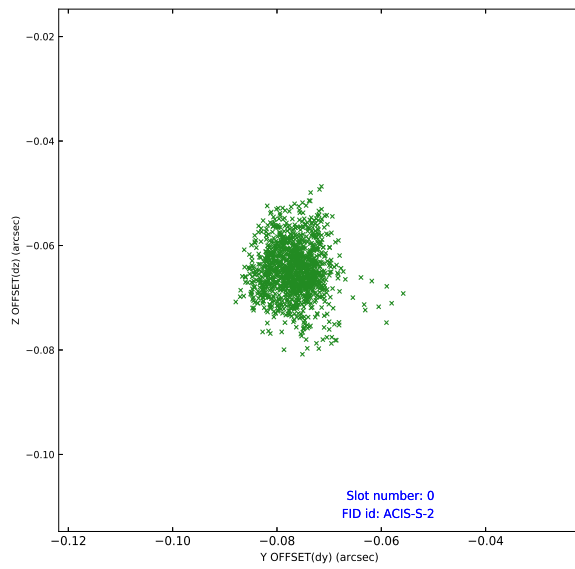


2.4.5 Slot 7

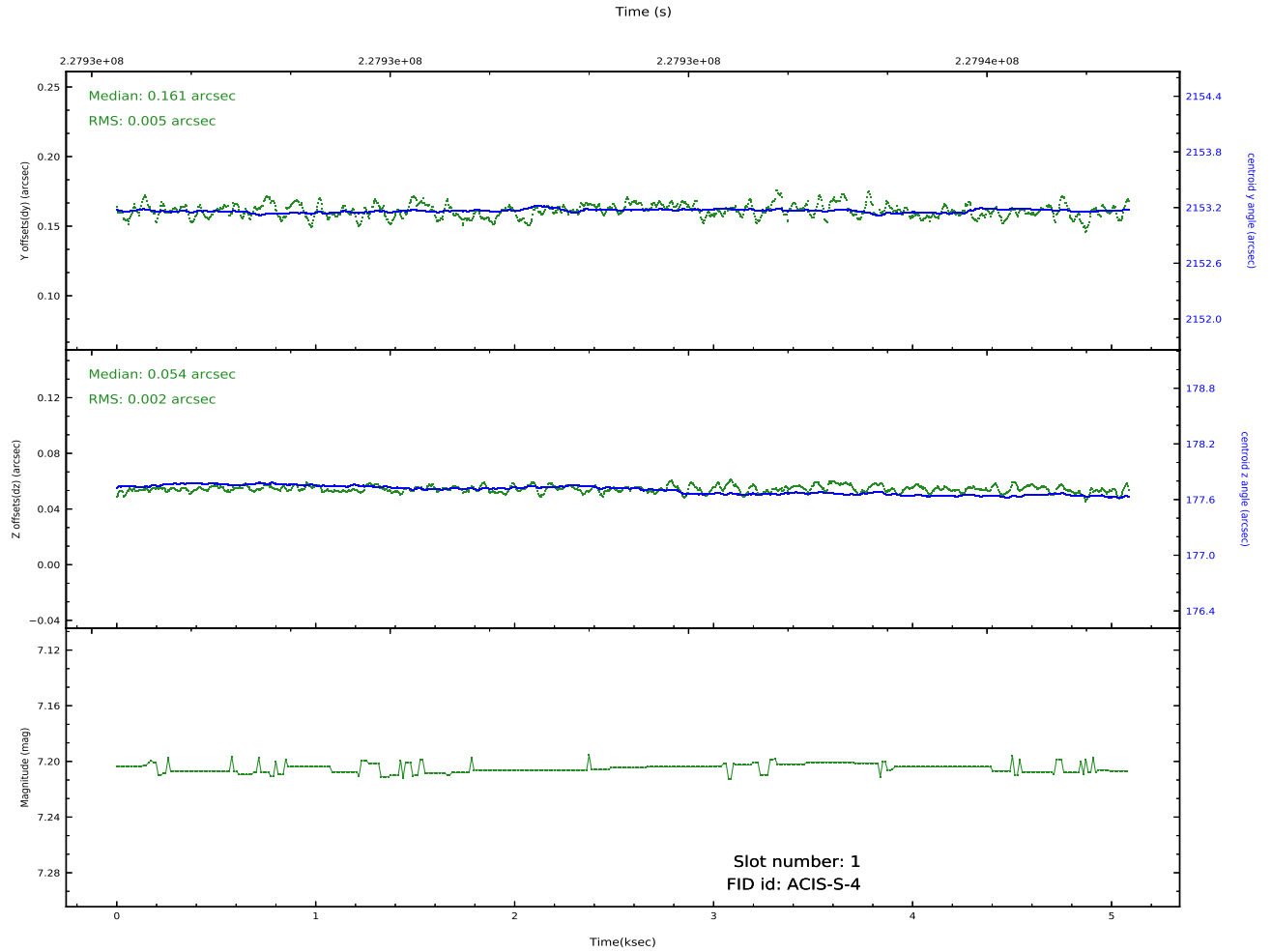
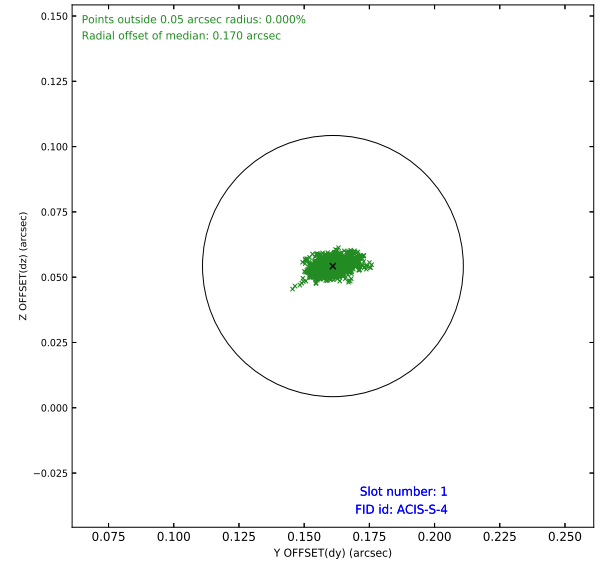
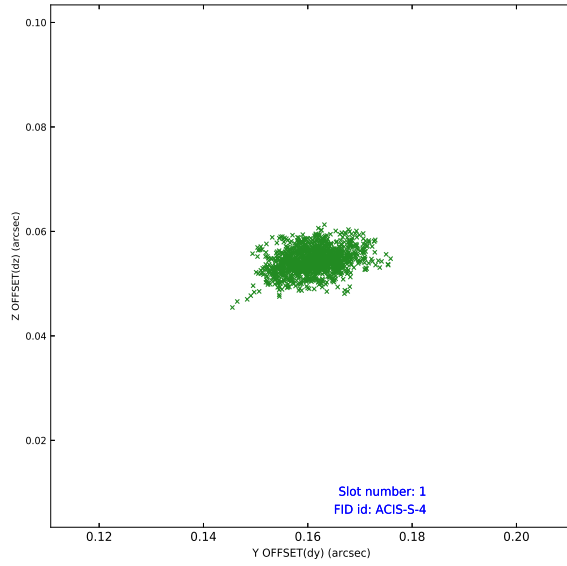


2.5 FID Slots

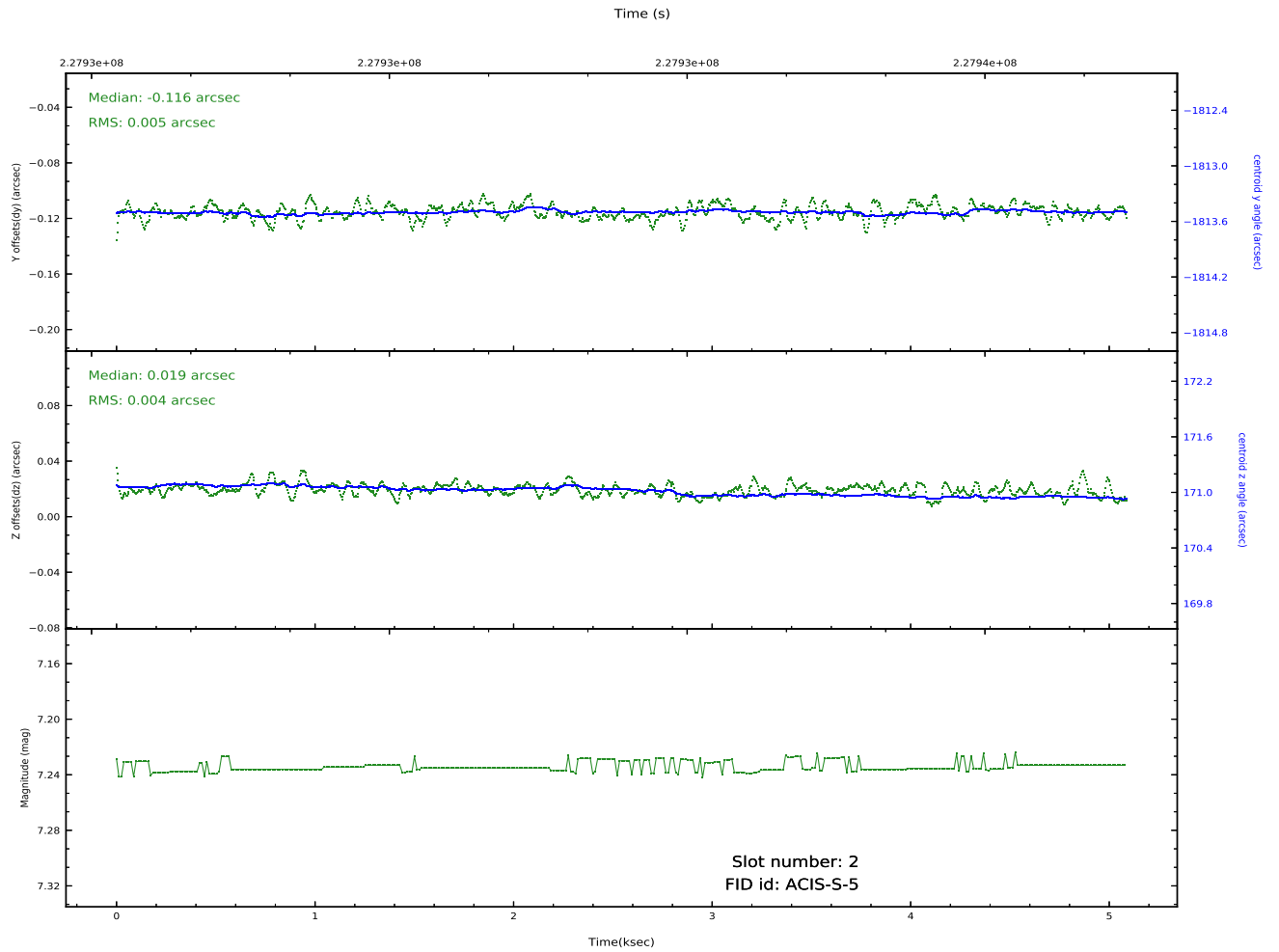
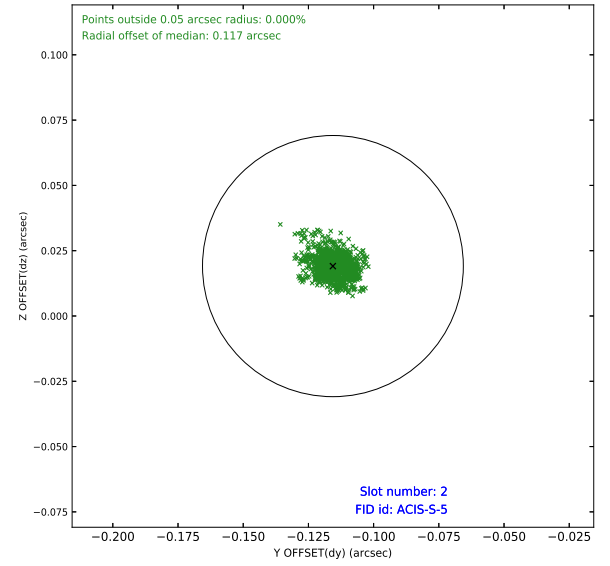
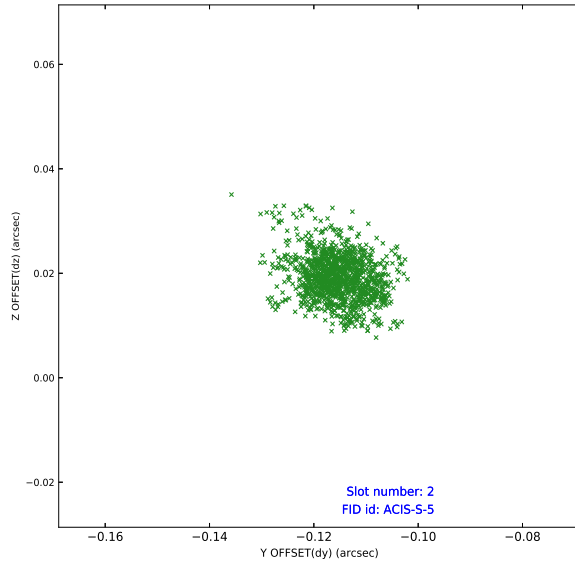
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.550799

A.2 Comments