

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5650 - L2 Version 3
Chandra X-Ray Center

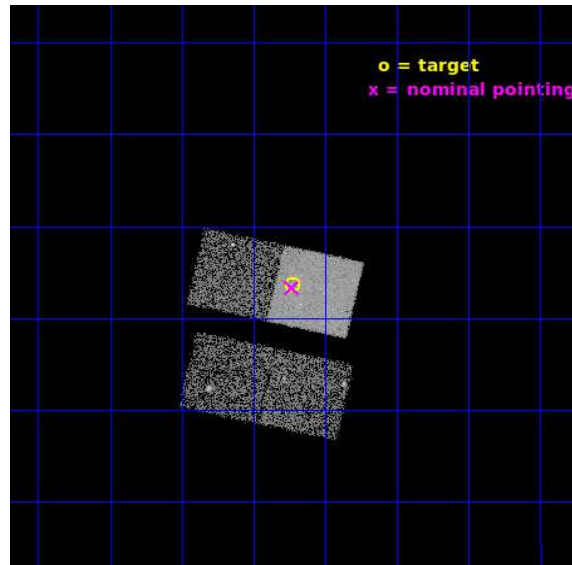
L2 Processing Date : Oct 11 2020

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1 Front

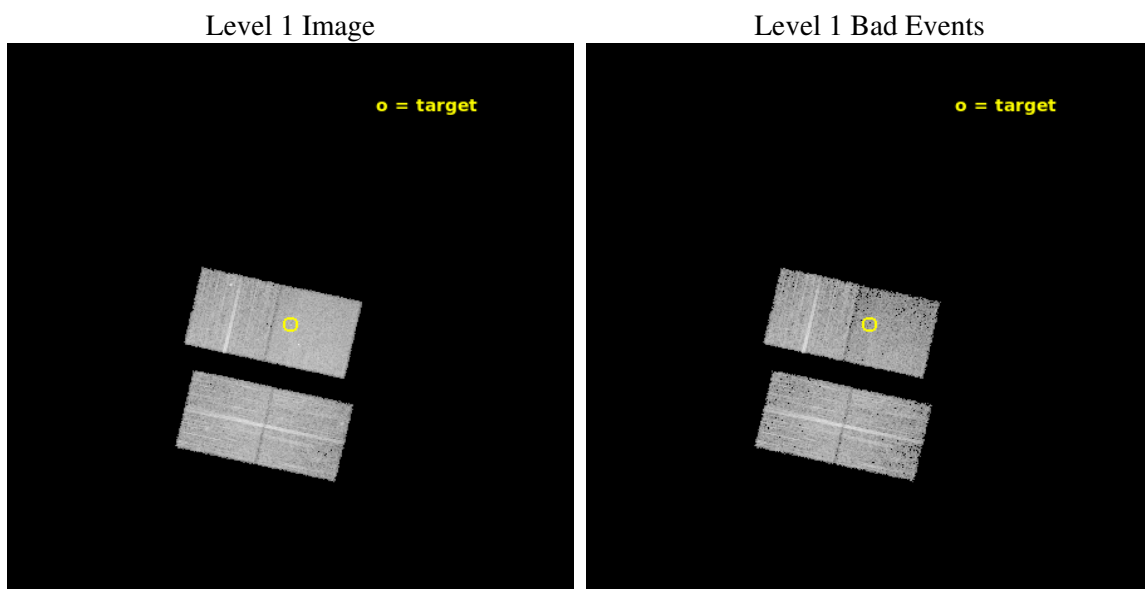
seq_num	701073	Sequence number
obs_id	5650	Observation id
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies	Proposal title
observer	Professor Karen Leighly	Principal investigator
object	SDSS J034313.76+010336.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	55.8075	Observer's specified target RA [deg]
dec_targ	1.06025	Observer's specified target Dec [deg]
ra_nom	55.80795801943	Nominal RA [deg]
dec_nom	1.0552489791134	Nominal Dec [deg]
roll_nom	12.63425518289	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8035.1999845207	Sum of GTIs [s]
livetime	7930.2141812947	Livetime [s]
ontime2	8032.0590142608	Sum of GTIs [s]
ontime3	8035.1999845207	Sum of GTIs [s]
ontime6	8032.0589843392	Sum of GTIs [s]
ontime7	8035.1999845207	Sum of GTIs [s]
l2events	40398	Number of level 2 events



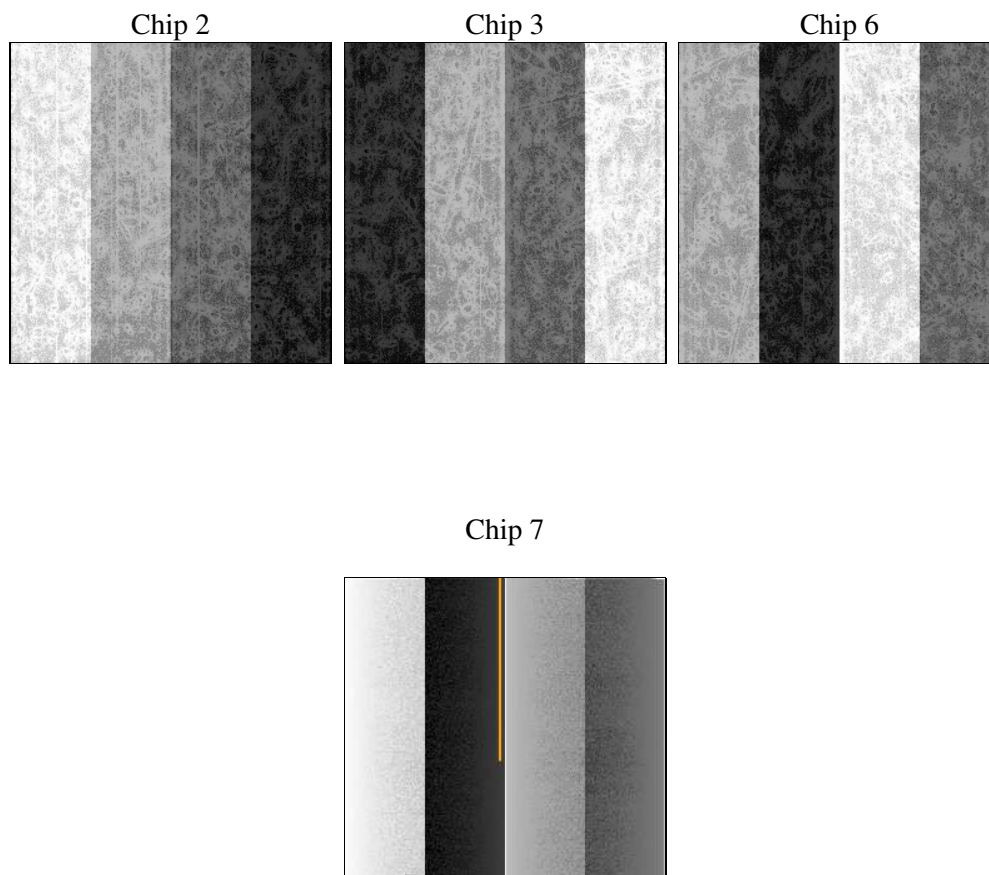
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	8035.1999845207	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	8032.0590142608	Sum of GTIs [s]
date	2020-10-11T14:54:19	Date and time of file creation	ontime3	8035.1999845207	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	8032.0589843392	Sum of GTIs [s]
			ontime7	8035.1999845207	Sum of GTIs [s]
			l1events	251735	Number of level 1 events

2.1.4 Events

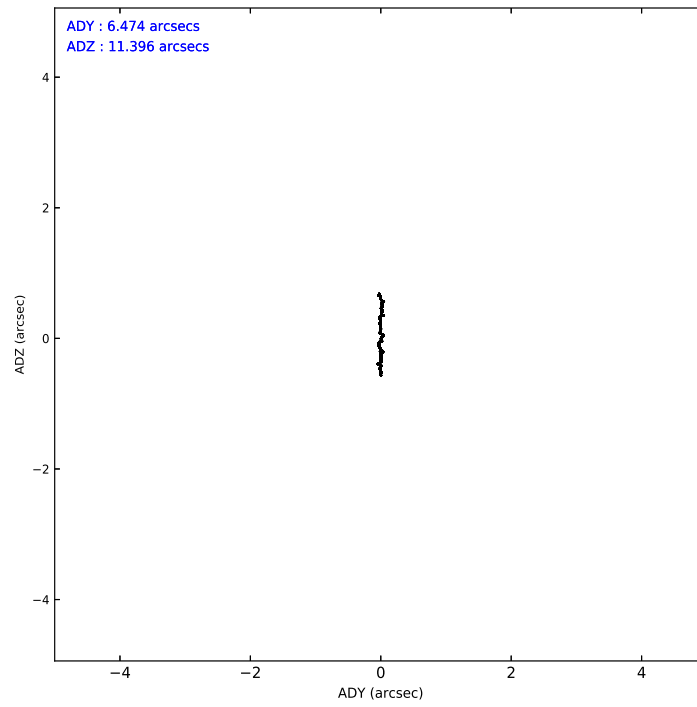
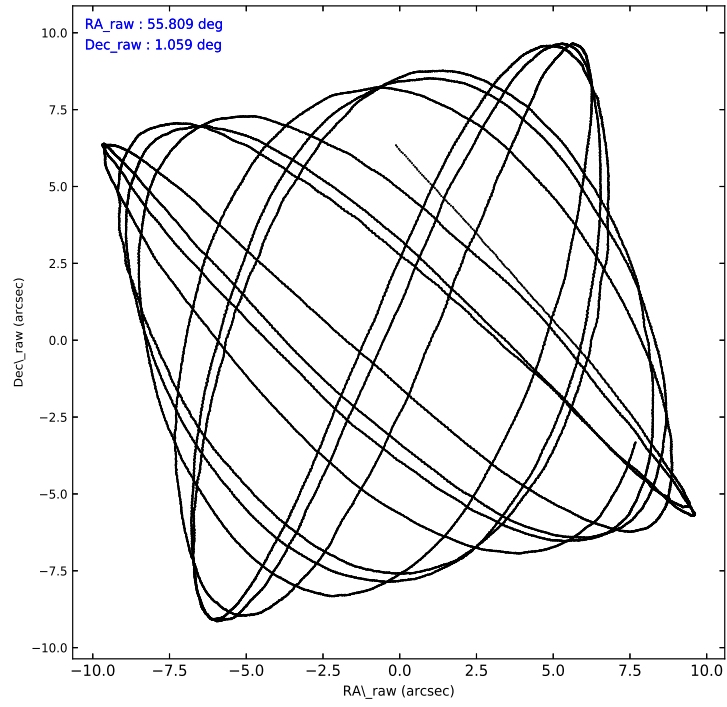
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	64673	58416	61619	67027
rejected events	59459	53239	55761	39621
rejected %	91%	91%	90%	59%

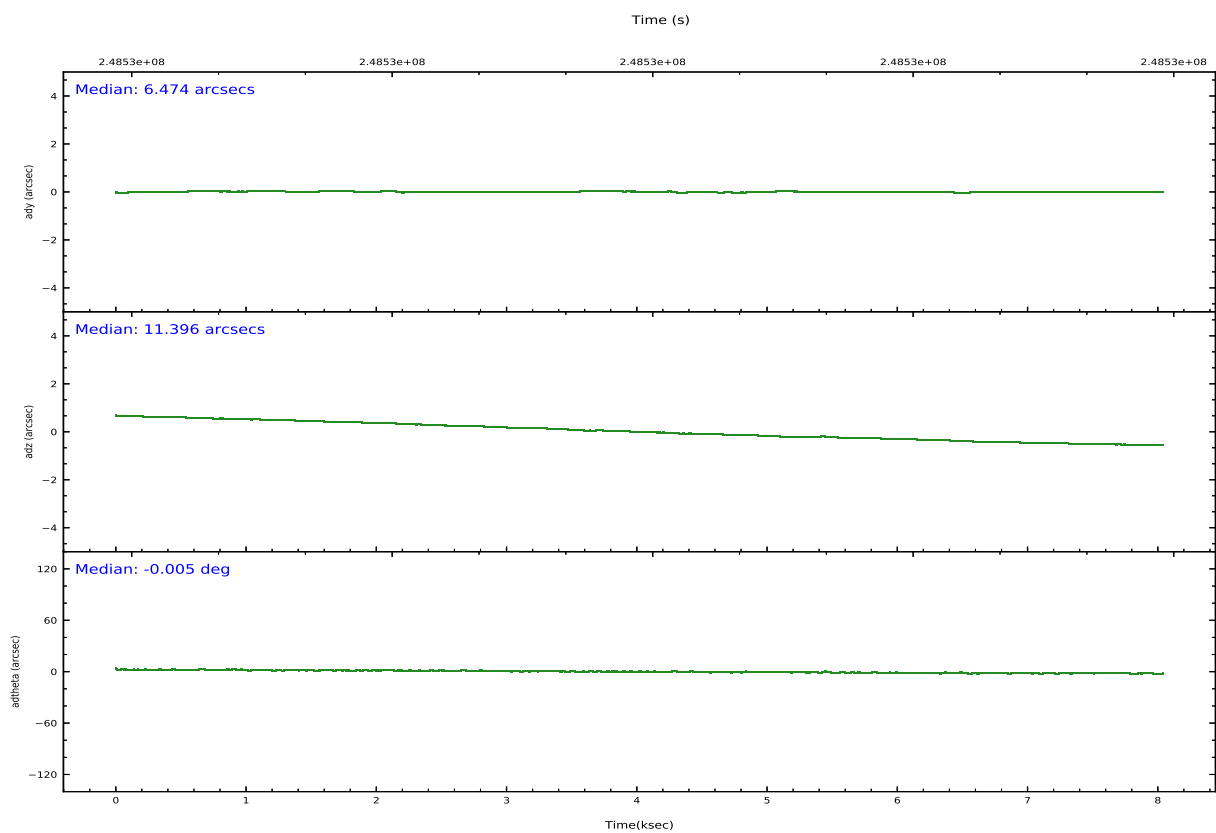
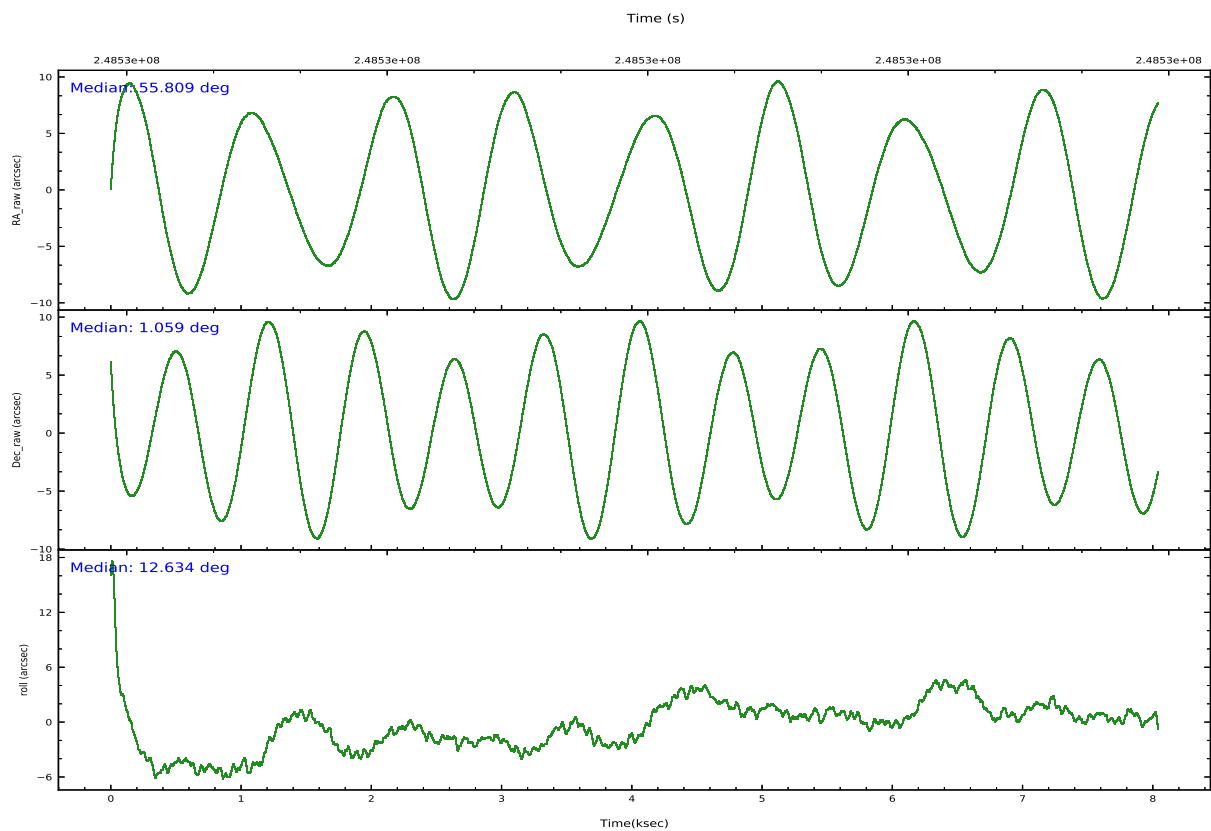
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2186	2133	2337	2696
	3%	3%	3%	4%
grade 1 events	22	34	27	75
	0%	0%	0%	0%
grade 2 events	1357	1184	1374	5987
	2%	2%	2%	8%
grade 3 events	643	646	737	2787
	0%	1%	1%	4%
grade 4 events	639	675	681	2843
	0%	1%	1%	4%
grade 5 events	1802	2433	2551	7053
	2%	4%	4%	10%
grade 6 events	1002	1092	1389	16033
	1%	1%	2%	23%
grade 7 events	57022	50219	52523	29553
	88%	85%	85%	44%

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	55.789290	55.80795801943	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.040177	1.0552489791134	Alternating exposures requested	N	N
[deg] Pointing Roll	12.477571	12.63425518289	[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)	248526018.184000	248524672.95893			
Observation start date	2005-11-16T10:59:14	2005-11-16T10:37:52			
[s] Observation end time (MET)	248533918.184000	248534922.9594			
Observation end date	2005-11-16T13:10:54	2005-11-16T13:28:42			
Read mode	TIMED	TIMED			

2.3 Aspect



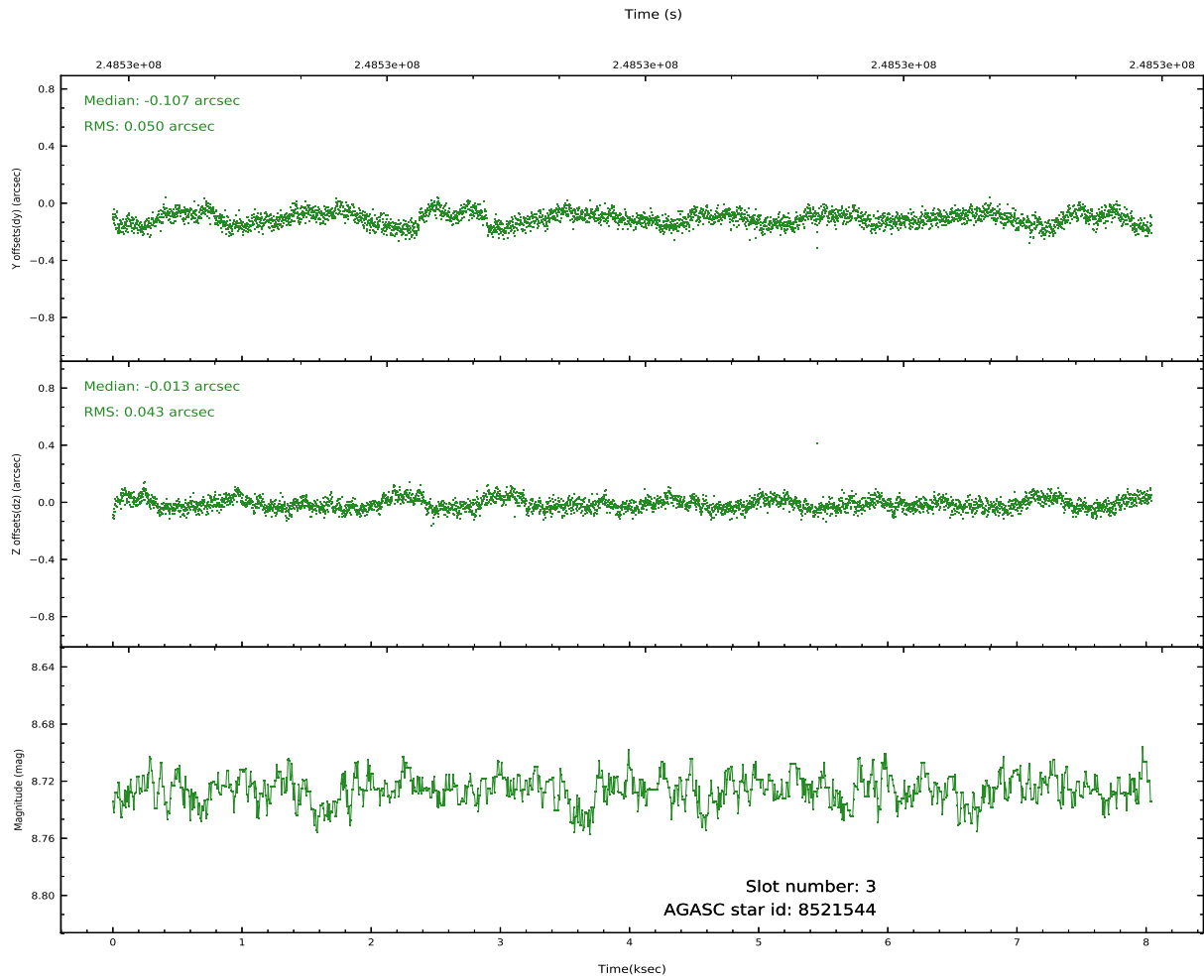
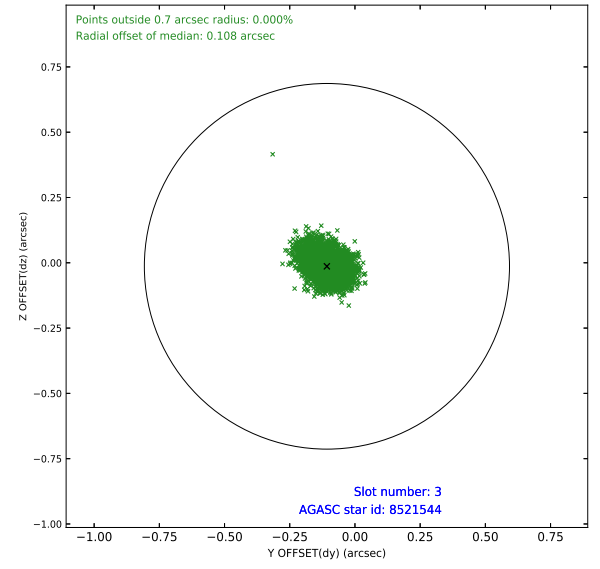
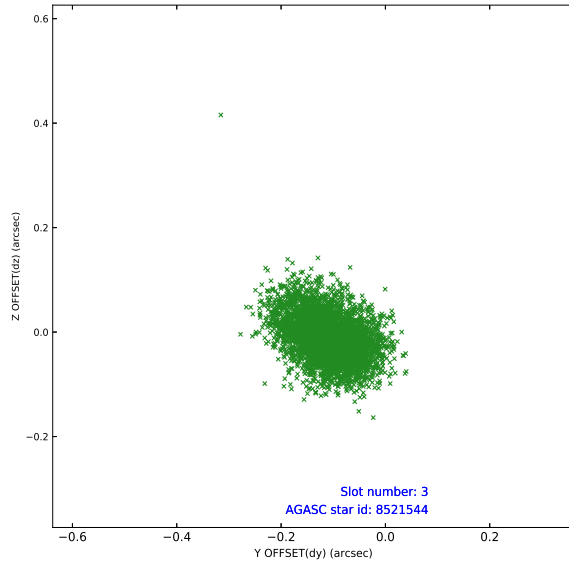


Slot Statistics

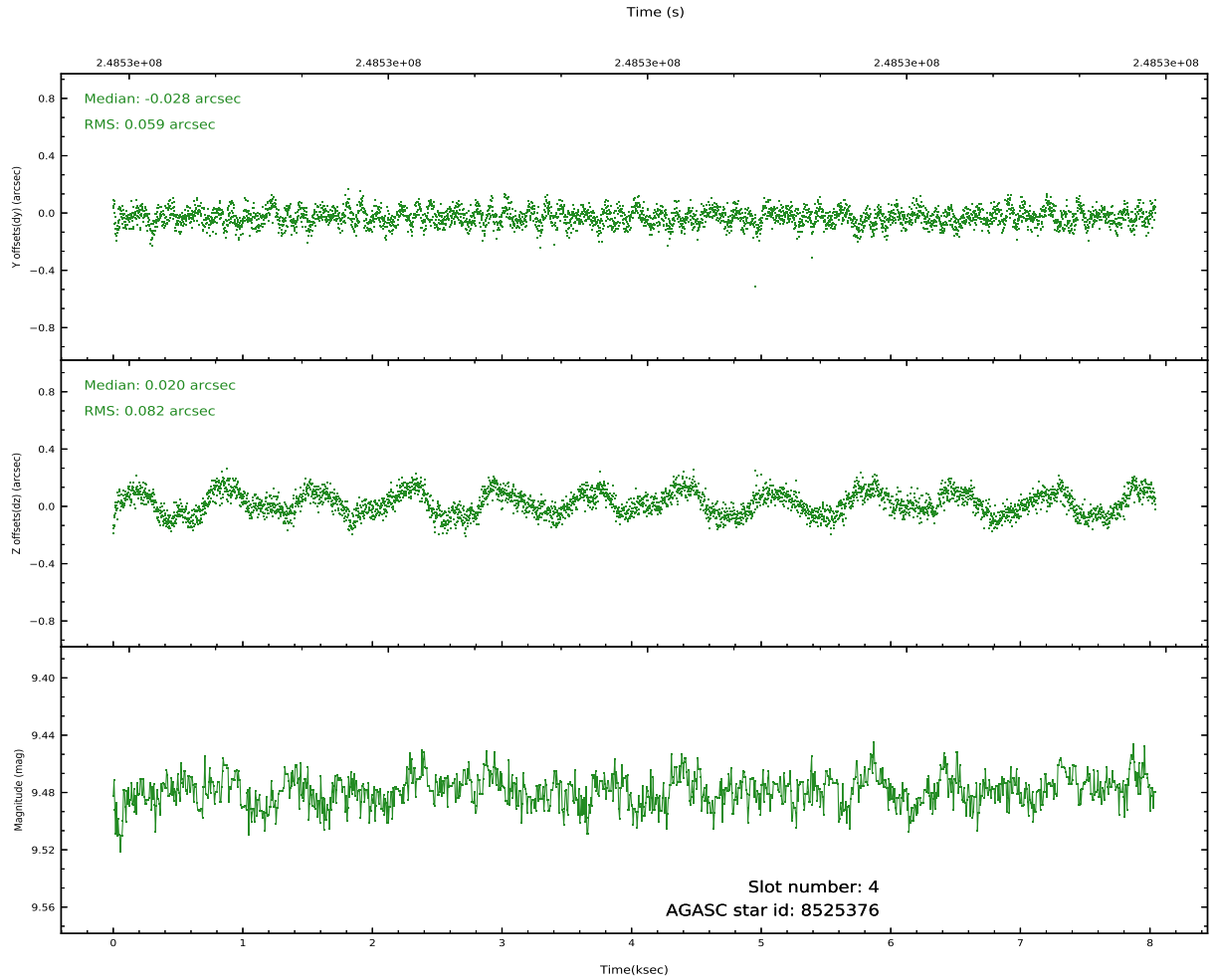
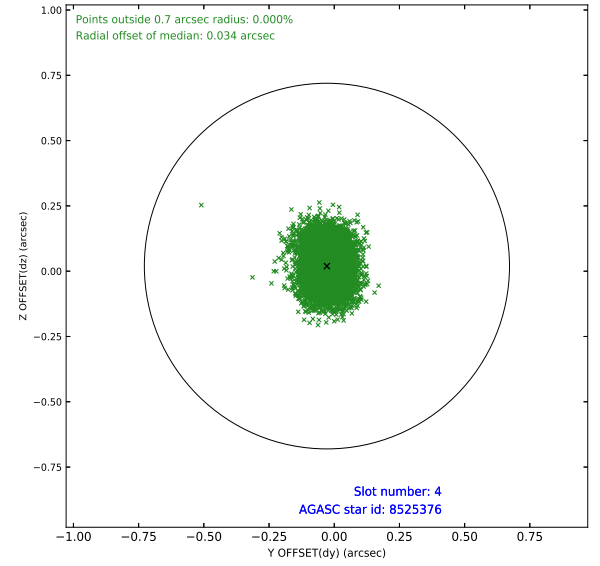
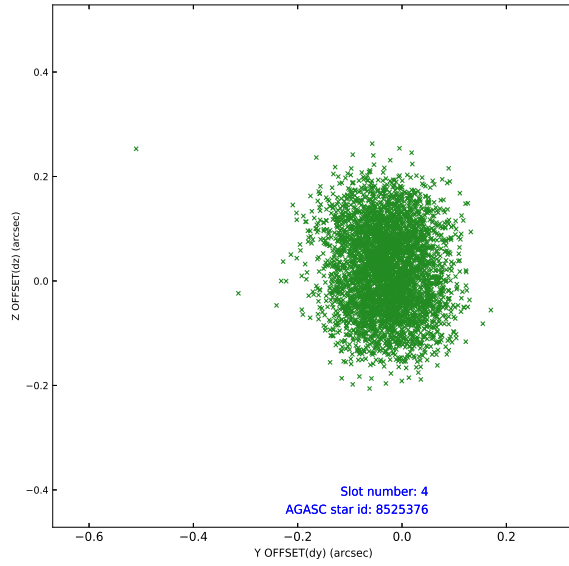
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1962	1.000	-0.080	-0.056	0.012	0.019	0.000000	0.000000	-759.25	-1732
1	FID		ACIS-S-4	7.21	1962	1.000	0.141	0.053	0.008	0.013	0.000000	0.000000	2153.89	175
2	FID		ACIS-S-5	7.23	1962	1.000	-0.093	0.011	0.010	0.018	0.000000	0.000000	-1811.25	169
3	GUIDE	used	8521544	8.73	3923	1.000	-0.107	-0.013	0.071	0.114	56.309282	1.464759	2157.19	1087
4	GUIDE	used	8525376	9.48	3921	1.000	-0.028	0.020	0.108	0.167	56.244277	1.639952	2065.78	1755
5	GUIDE	used	8526616	8.48	3923	1.000	0.021	-0.074	0.084	0.144	56.435556	0.617289	1943.82	-1988
6	GUIDE	used	8529496	9.47	3920	1.000	-0.053	-0.117	0.129	0.203	55.404076	1.112738	-1296.73	554
7	GUIDE	used	8529624	9.97	3922	1.000	0.174	0.180	0.125	0.207	55.327955	0.845354	-1772.78	-325

2.4 Star Slots

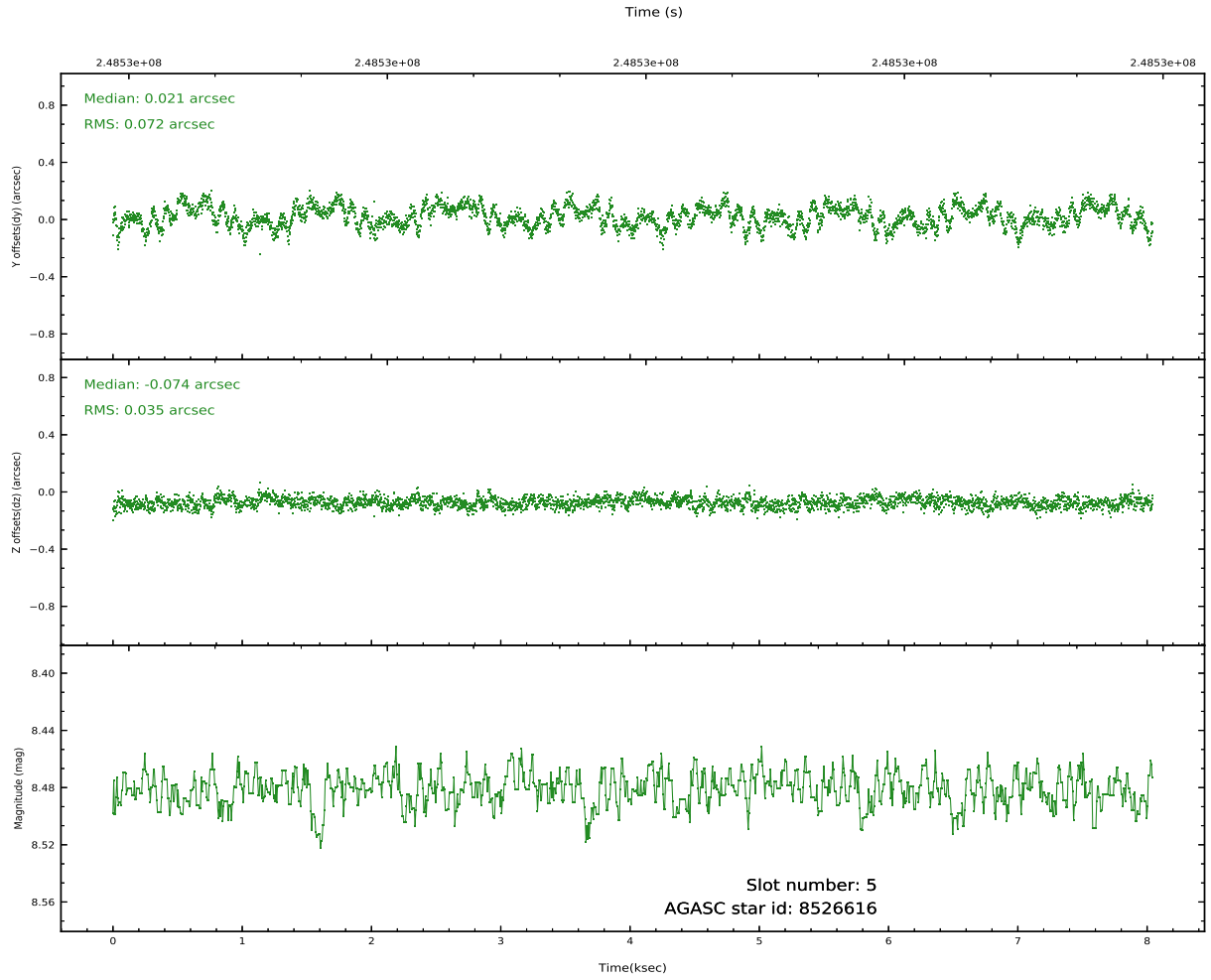
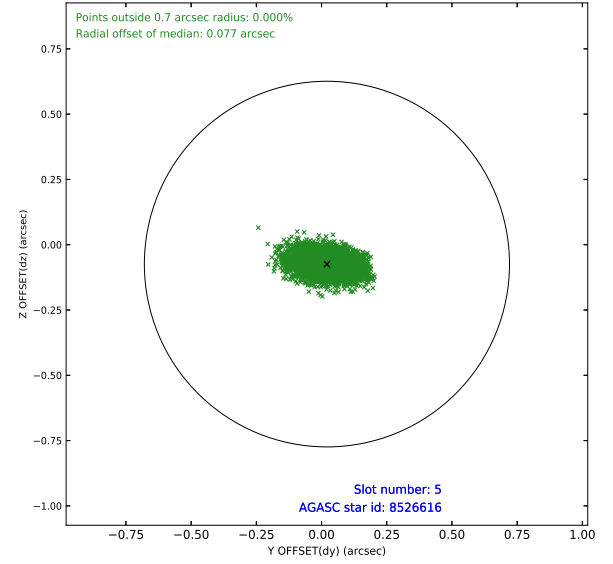
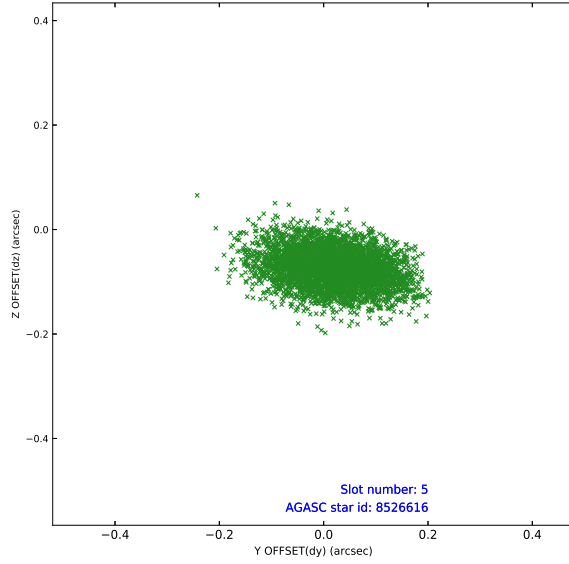
2.4.1 Slot 3



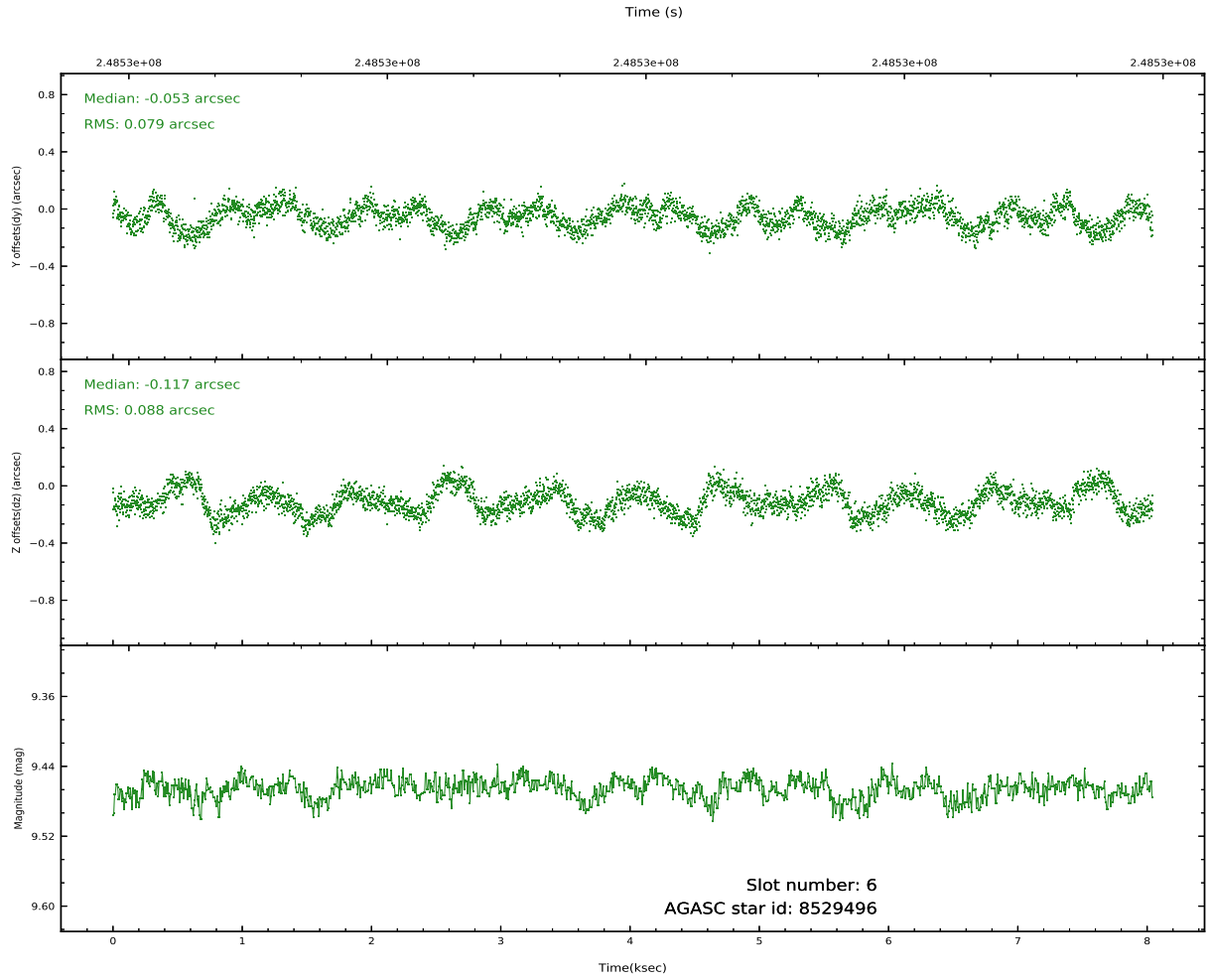
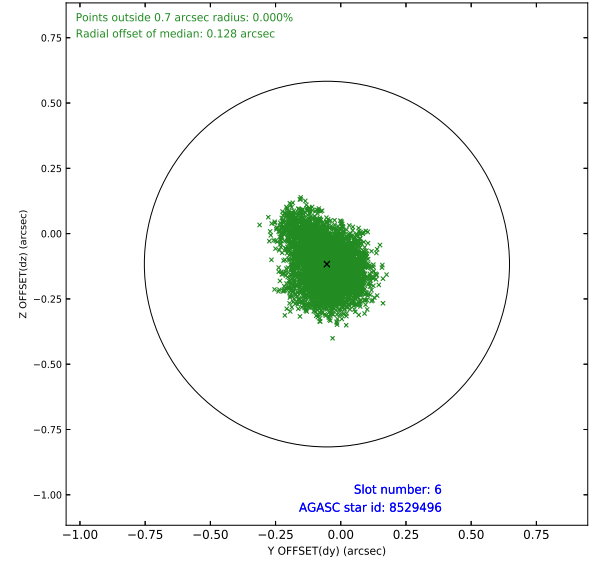
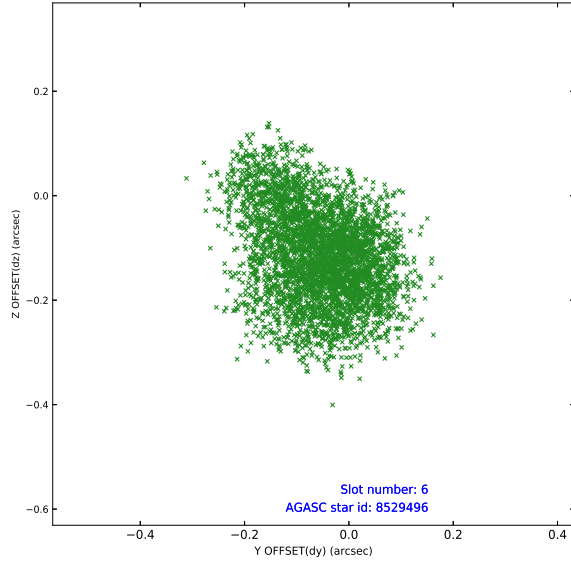
2.4.2 Slot 4



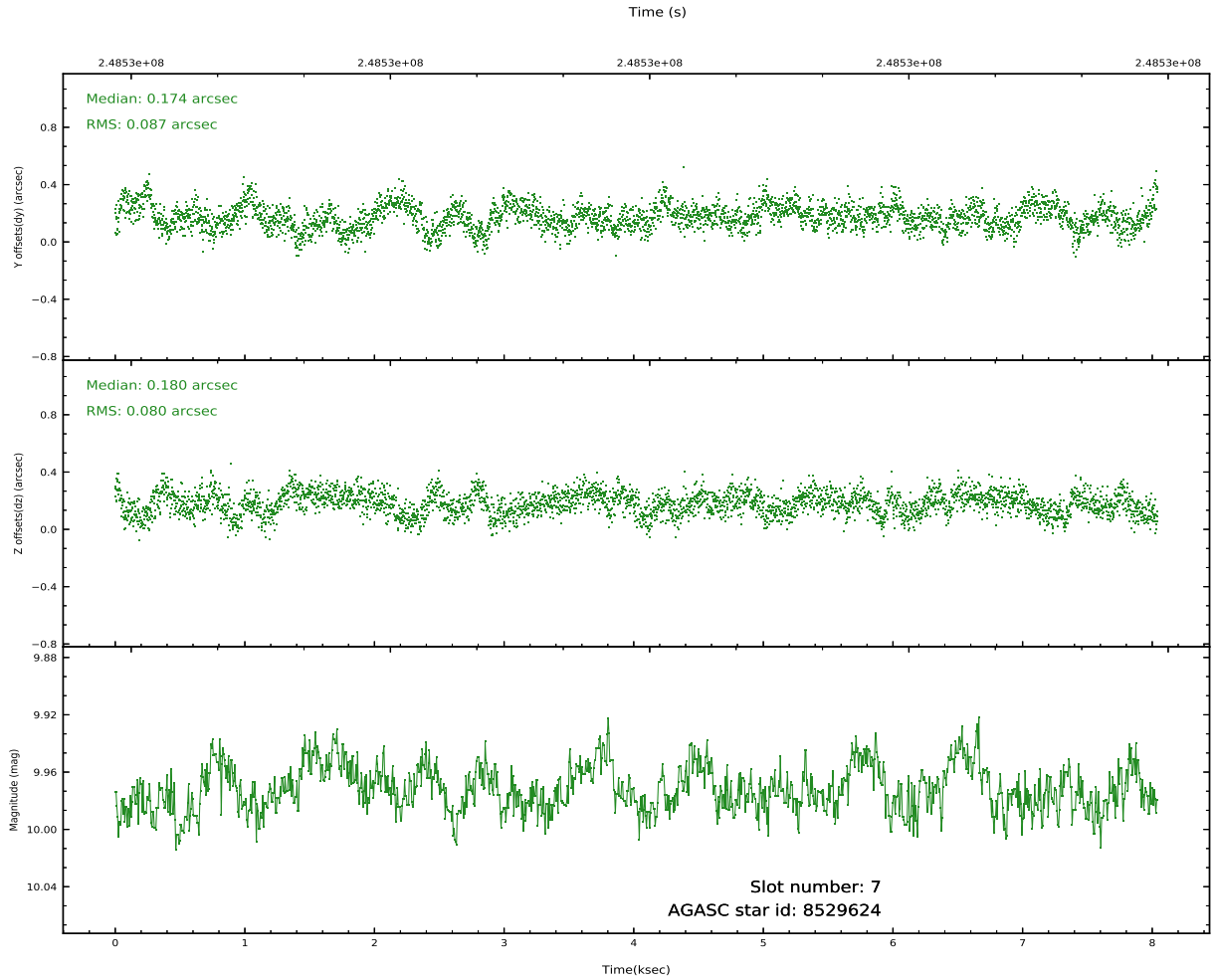
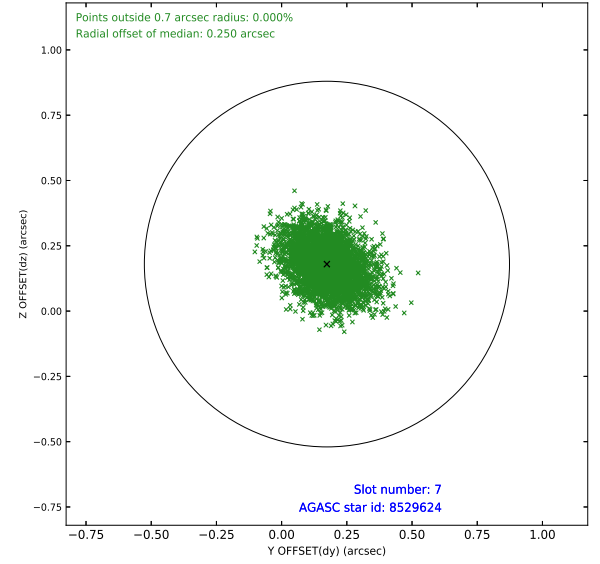
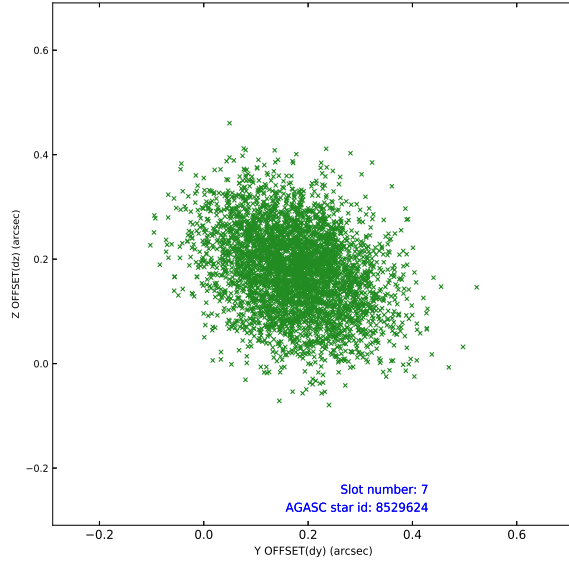
2.4.3 Slot 5



2.4.4 Slot 6

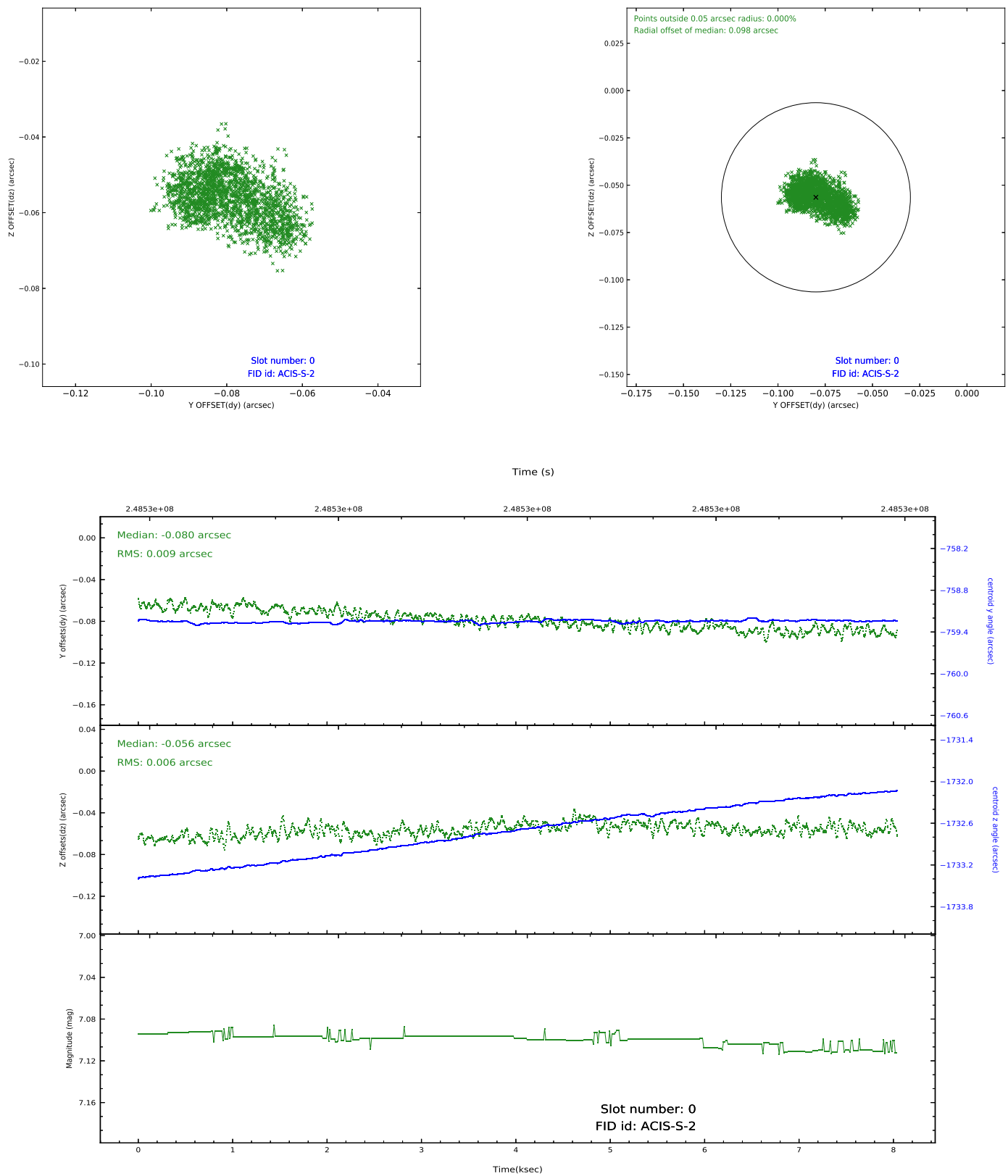


2.4.5 Slot 7

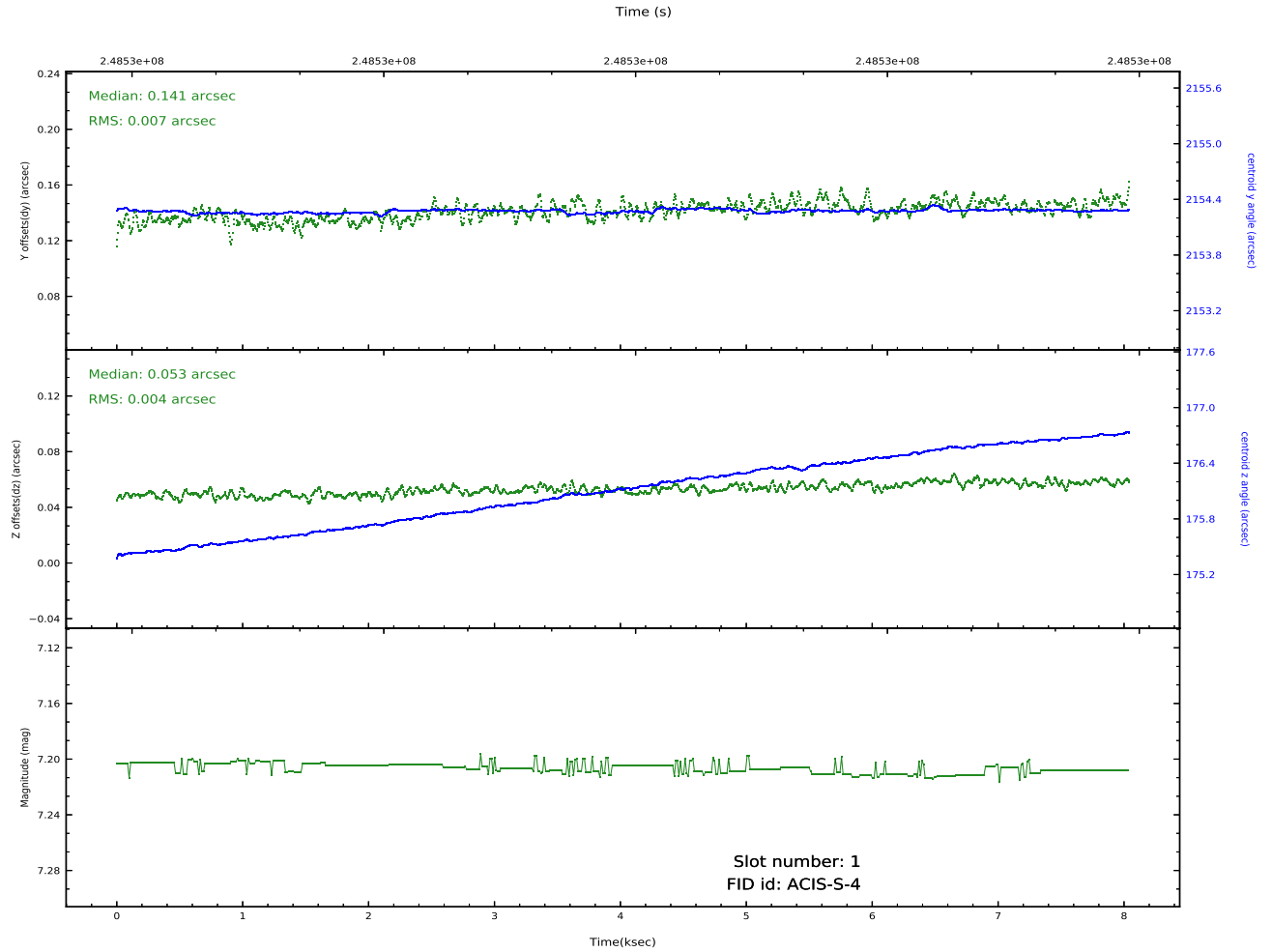
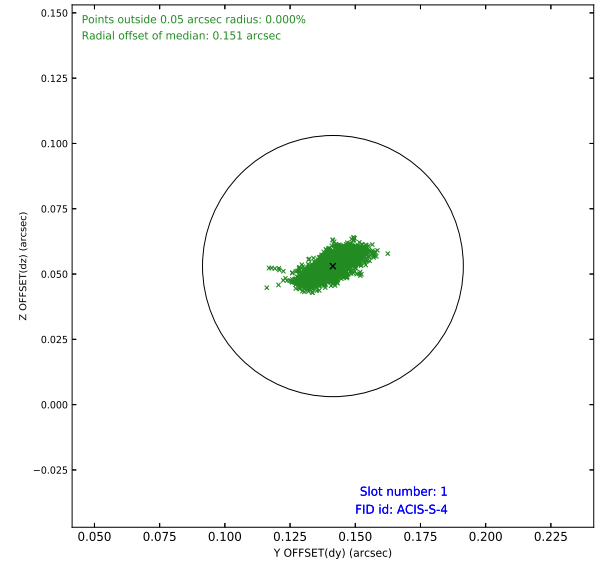
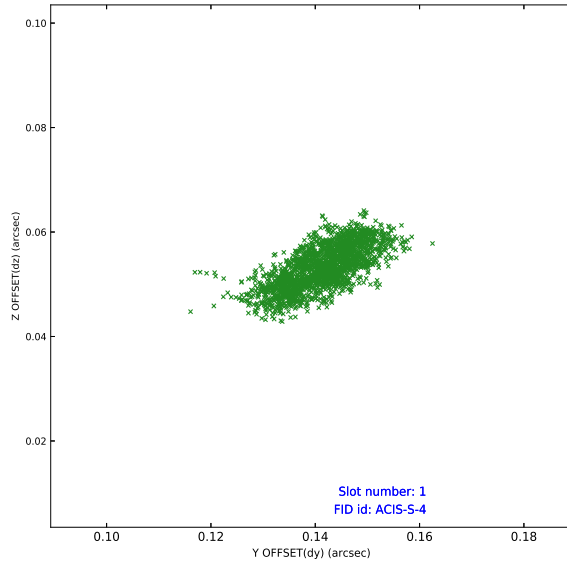


2.5 FID Slots

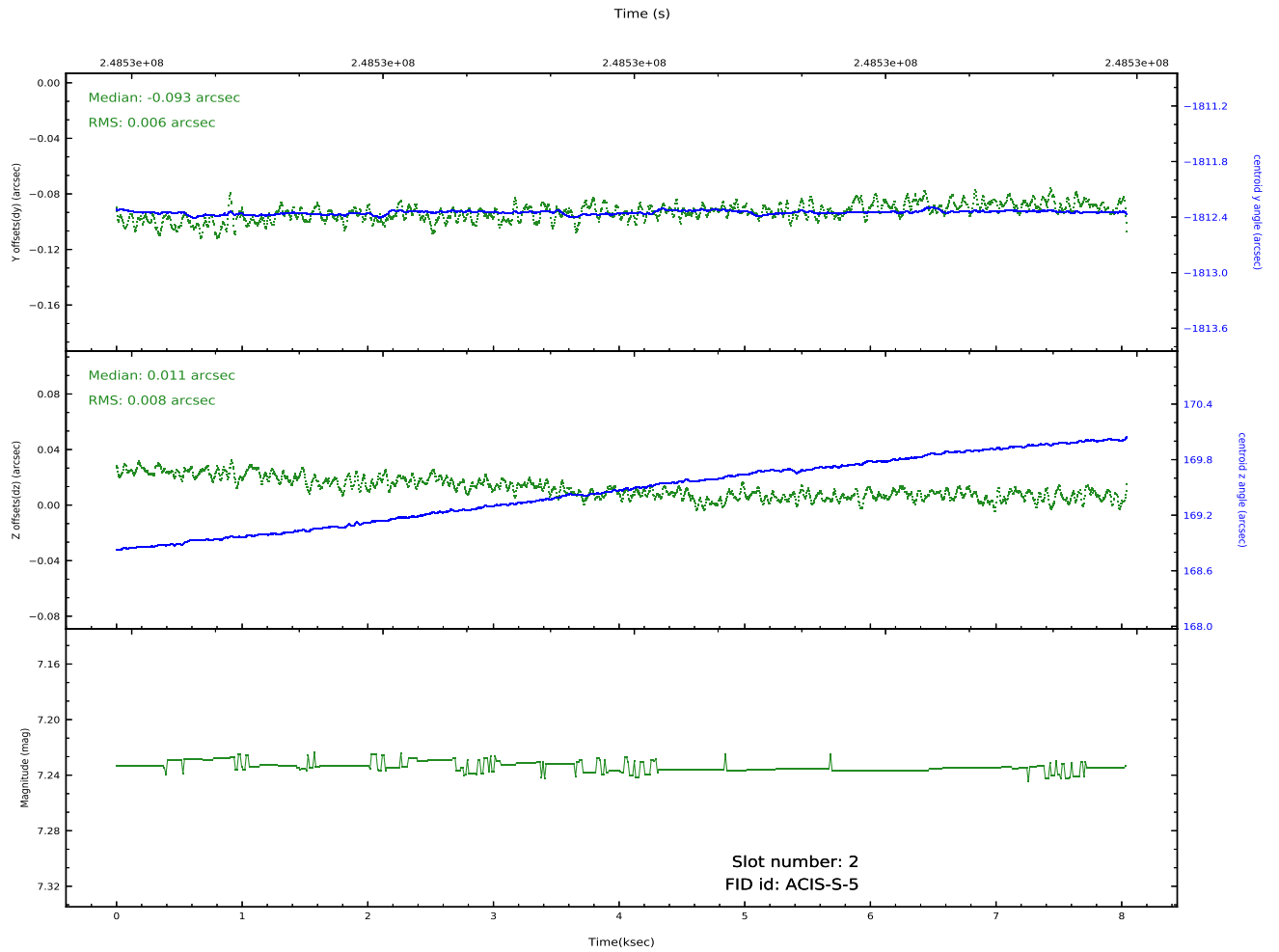
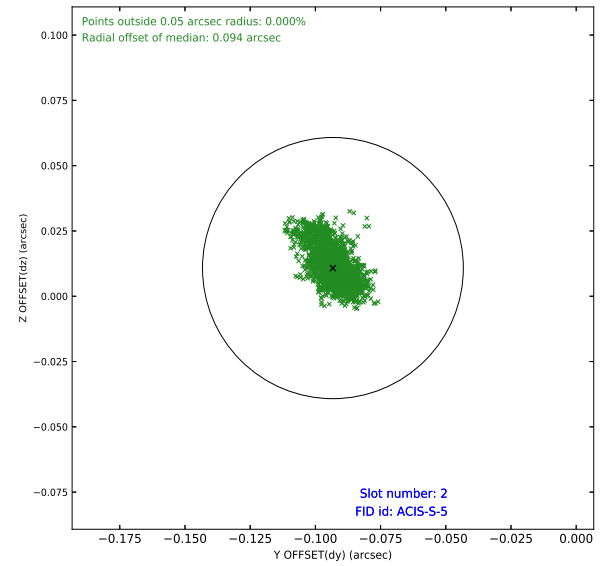
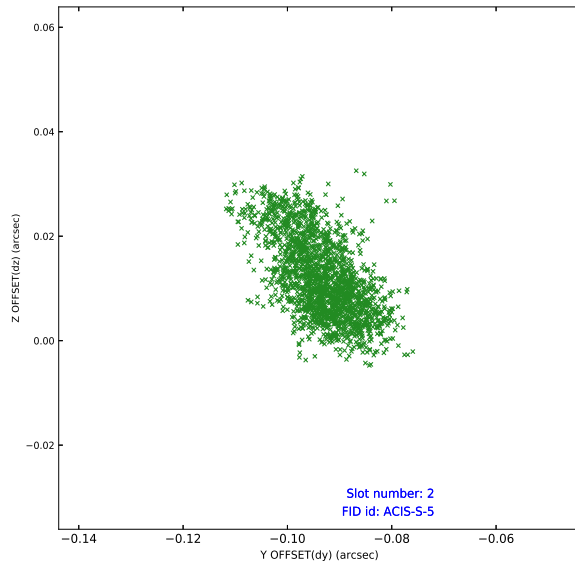
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.035199

A.2 Comments