

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6829 - L2 Version 3
Chandra X-Ray Center

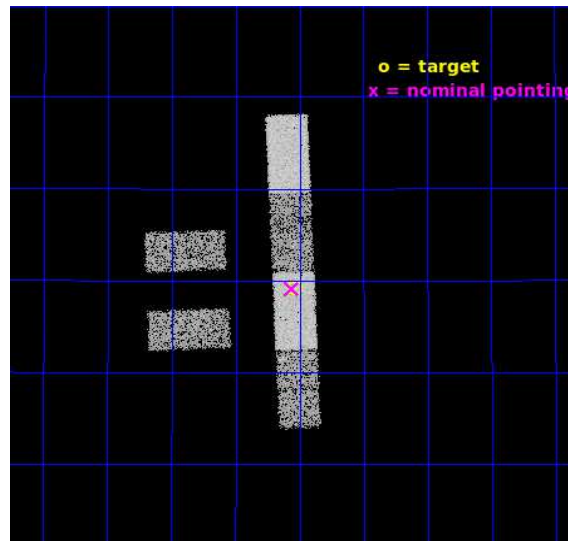
L2 Processing Date : Oct 11 2020

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1 Front

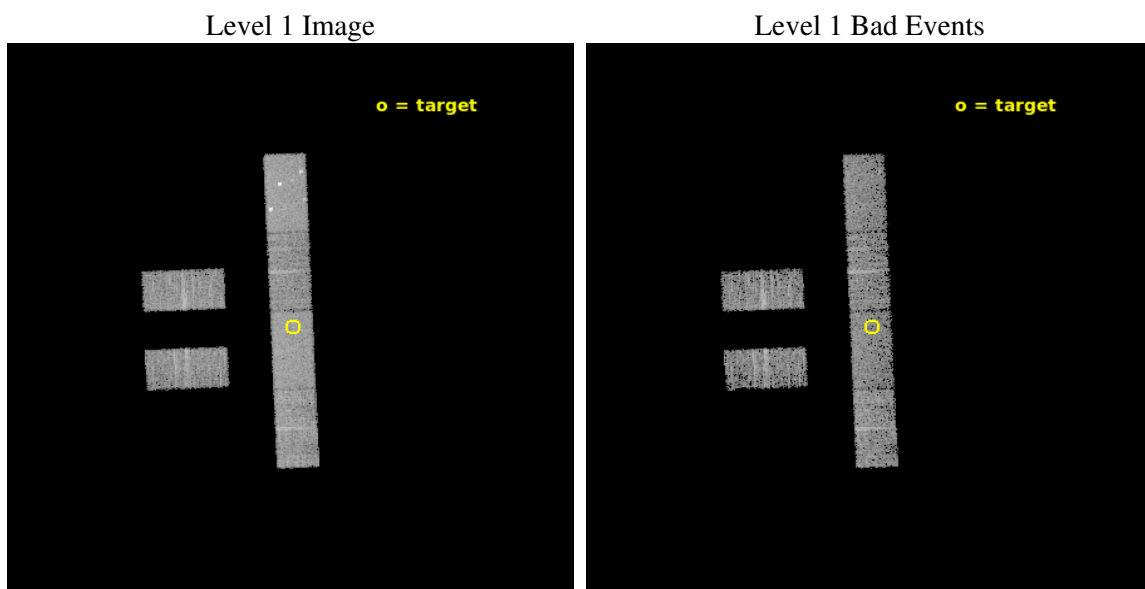
seq_num	701247	Sequence number
obs_id	6829	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	SDSS J073502.31+265911.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	113.759583	Observer's specified target RA [deg]
dec_targ	26.9865	Observer's specified target Dec [deg]
ra_nom	113.76490106974	Nominal RA [deg]
dec_nom	26.985396597715	Nominal Dec [deg]
roll_nom	87.548637676473	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4073.4000269771	Sum of GTIs [s]
livetime	3982.5968194926	Livetime [s]
ontime2	4073.4000269771	Sum of GTIs [s]
ontime3	4073.4000269771	Sum of GTIs [s]
ontime5	4073.4000269771	Sum of GTIs [s]
ontime6	4073.4000269771	Sum of GTIs [s]
ontime7	4073.4000269771	Sum of GTIs [s]
ontime8	4073.4000269771	Sum of GTIs [s]
l2events	38383	Number of level 2 events



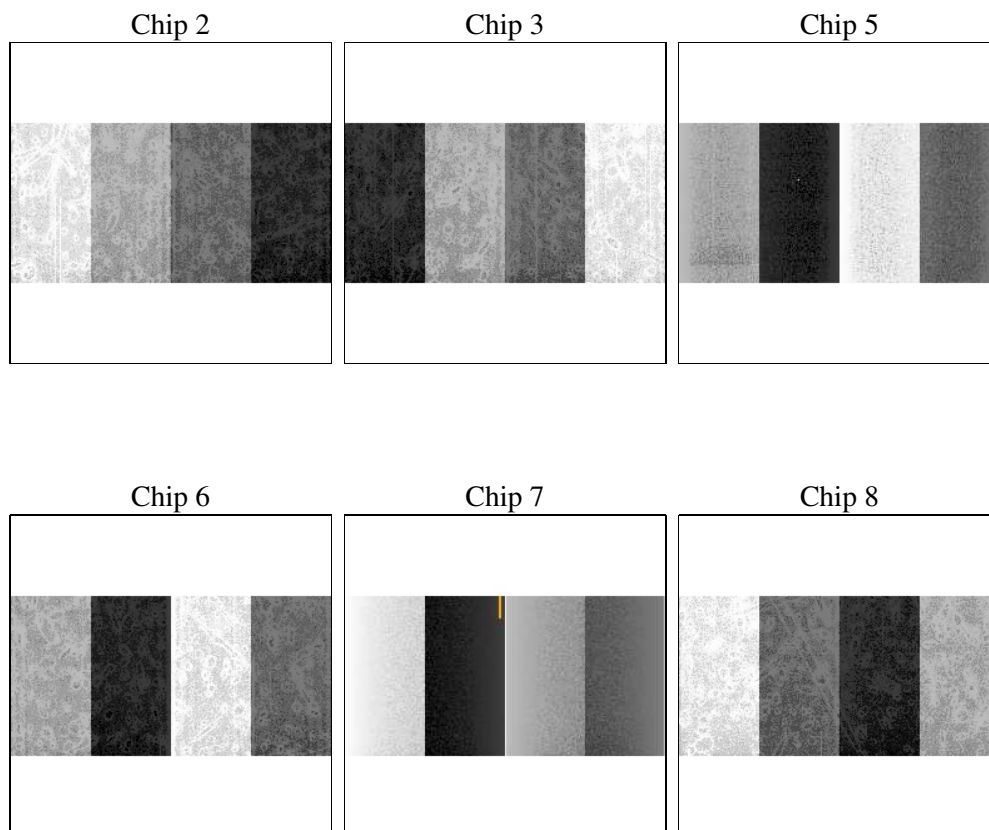
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3889.065000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4073.4000269771	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4073.4000269771	Sum of GTIs [s]
date	2020-10-12T02:30:44	Date and time of file creation	ontime3	4073.4000269771	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4073.4000269771	Sum of GTIs [s]
			ontime6	4073.4000269771	Sum of GTIs [s]
			ontime7	4073.4000269771	Sum of GTIs [s]
			ontime8	4073.4000269771	Sum of GTIs [s]
			l1events	150735	Number of level 1 events

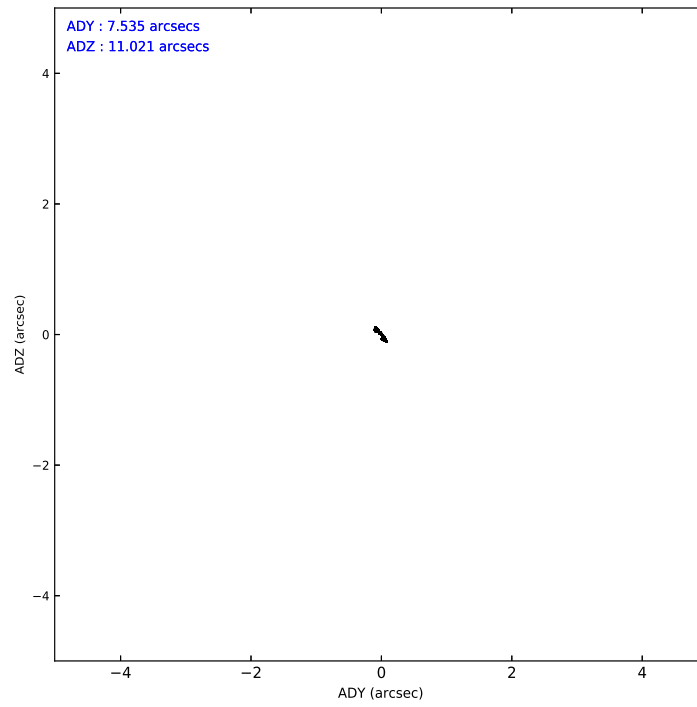
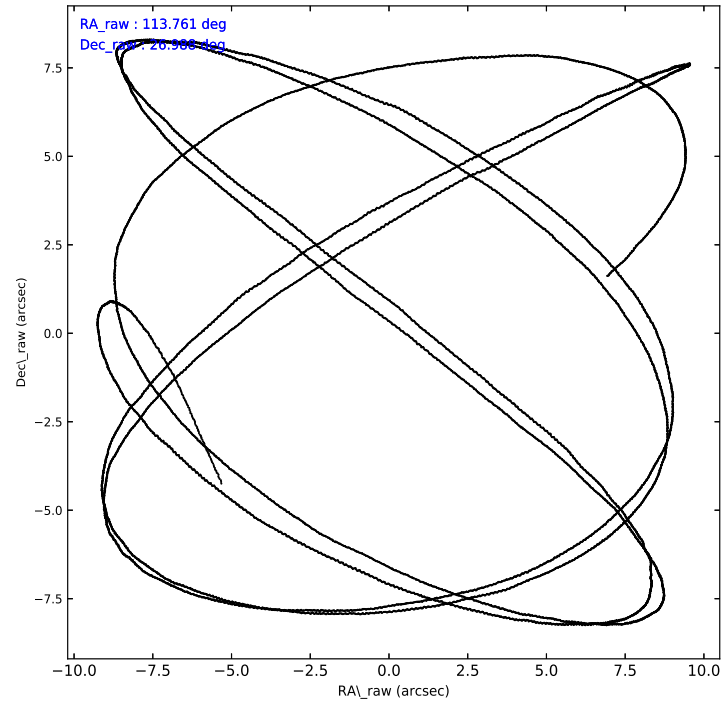
2.1.4 Events

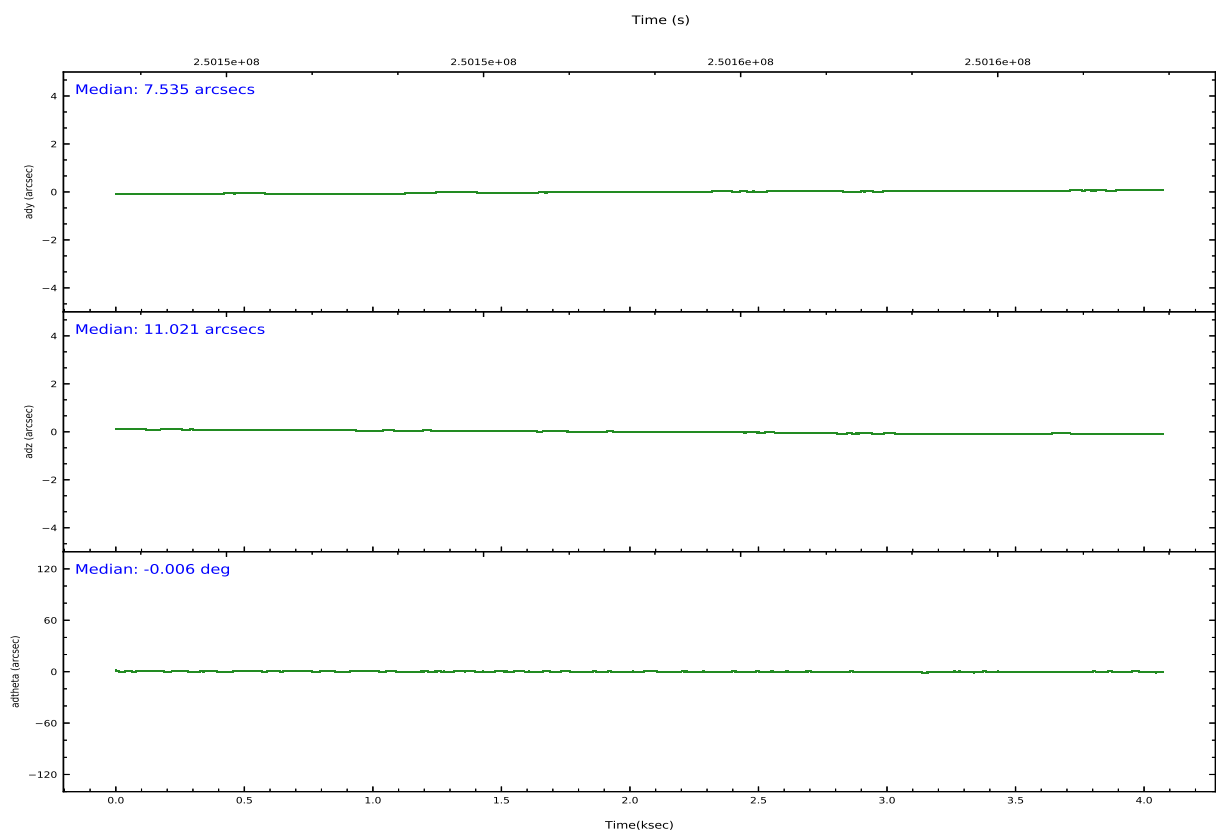
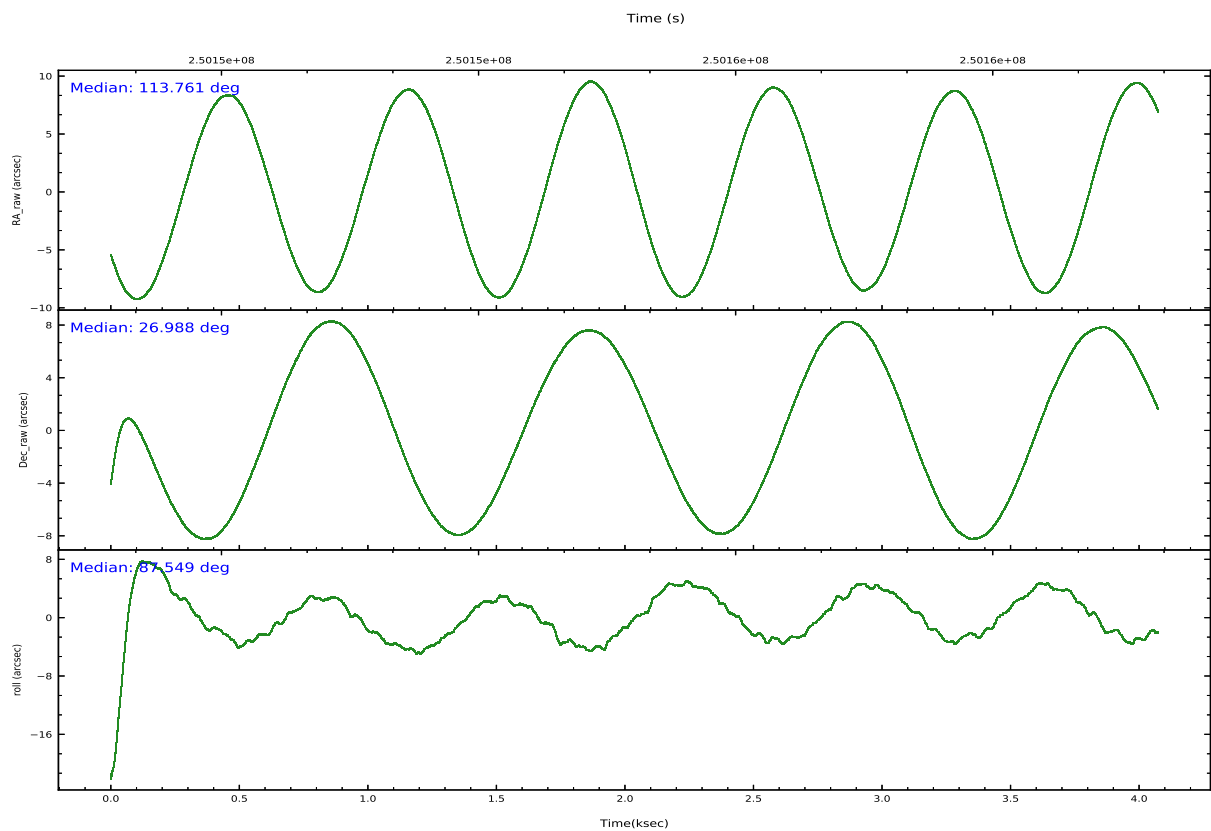
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	21963	20106	34225	19888	27869	26684	grade 0 events	2168	2028	5306	1882	1322	2908
rejected events	18297	16546	16256	16386	15541	20186		9%	10%	15%	9%	4%	10%
rejected %	83%	82%	47%	82%	55%	75%	grade 1 events	16	10	37	6	31	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	615	615	5117	642	2598	1474
								2%	3%	14%	3%	9%	5%
							grade 3 events	323	322	743	315	1202	614
								1%	1%	2%	1%	4%	2%
							grade 4 events	303	304	691	293	1141	610
								1%	1%	2%	1%	4%	2%
							grade 5 events	699	863	2307	833	2462	1110
								3%	4%	6%	4%	8%	4%
							grade 6 events	481	507	7414	604	6987	1568
								2%	2%	21%	3%	25%	5%
							grade 7 events	17358	15457	12610	15313	12126	18380
								79%	76%	36%	76%	43%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	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	113.776012	113.76490106974	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	26.963692	26.985396597715	Subarray start row	257	257
[deg] Pointing Roll	87.381551	87.54863767647301	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	250152755.184000	250151744.1966			
Observation start date	2005-12-05T06:51:31	2005-12-05T06:35:44			
[s] Observation end time (MET)	250156645.184000	250156871.24683			
Observation end date	2005-12-05T07:56:21	2005-12-05T08:01:11			
Read mode	TIMED	TIMED			

2.3 Aspect



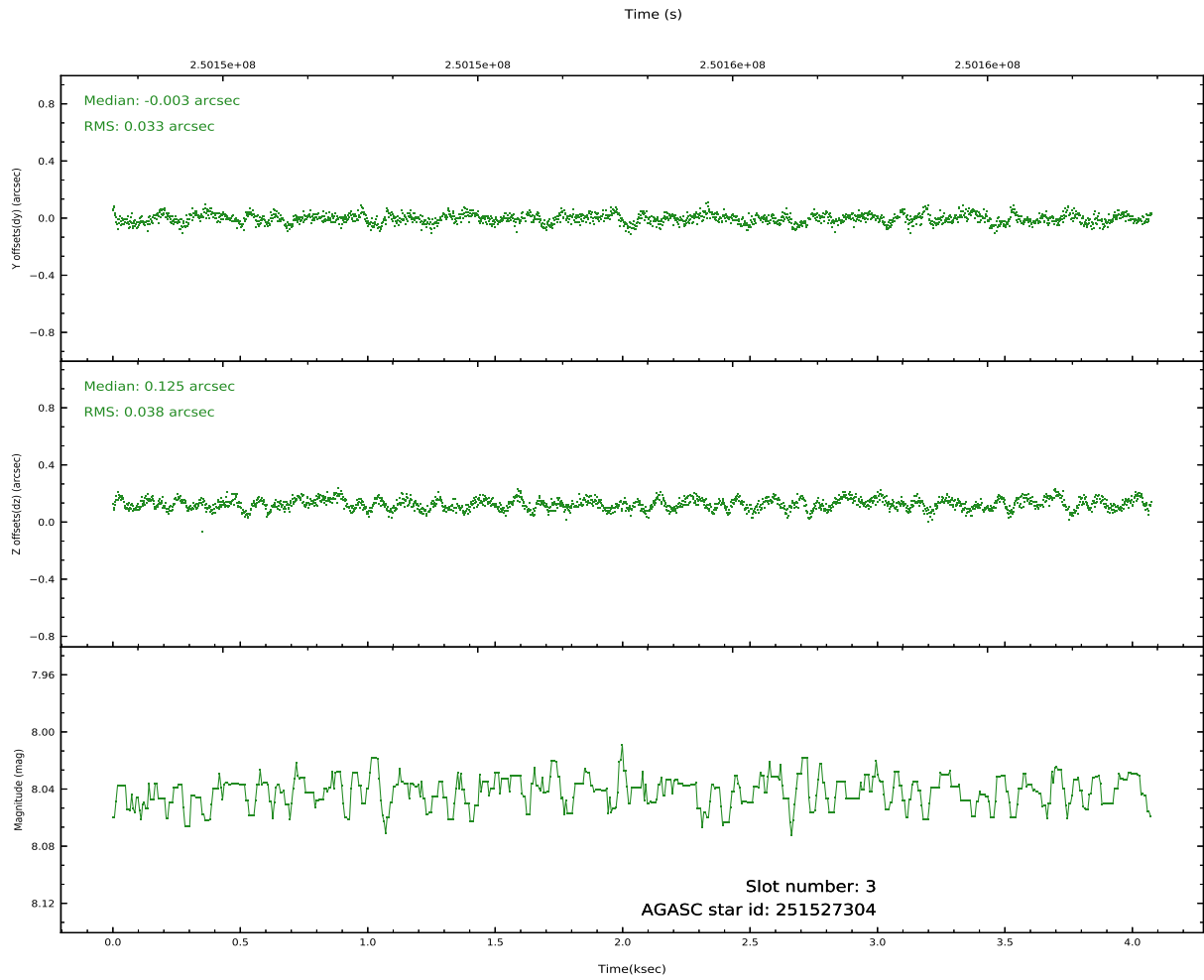
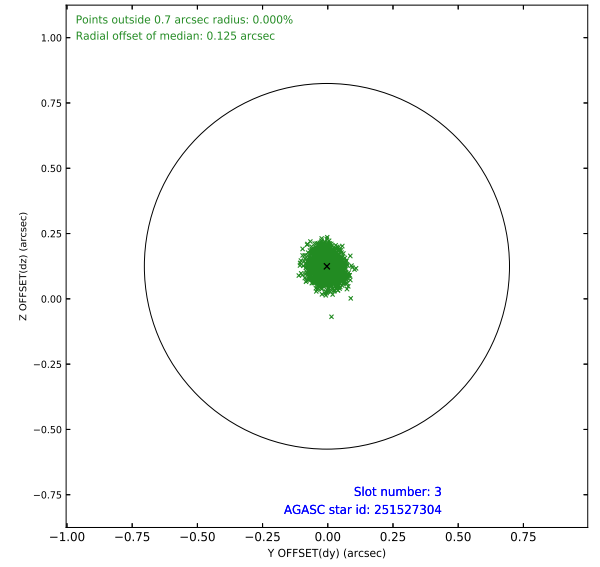
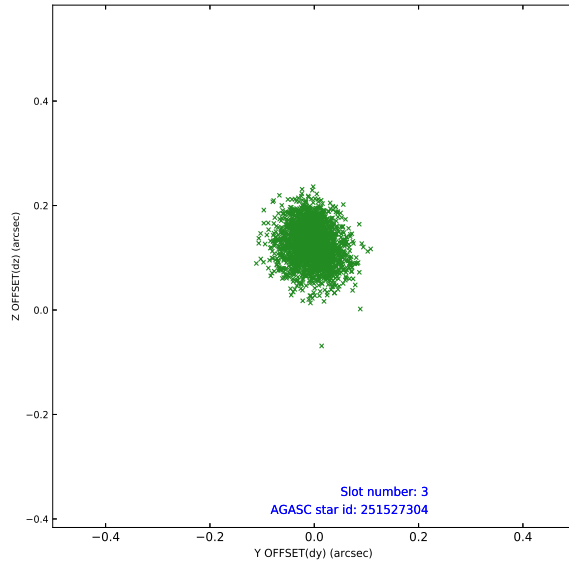


Slot Statistics

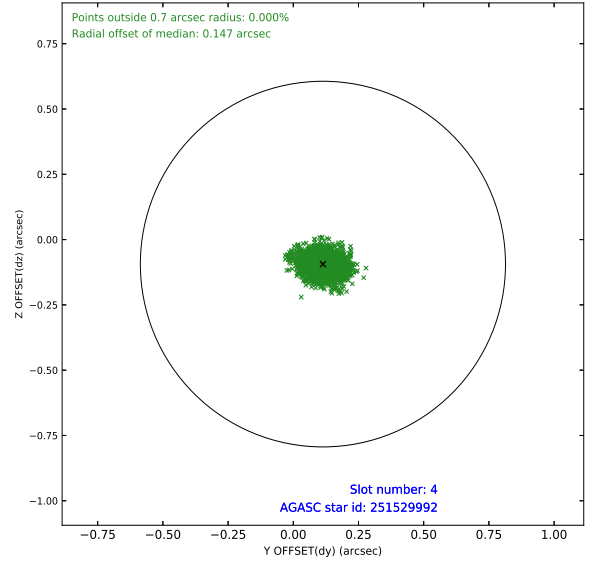
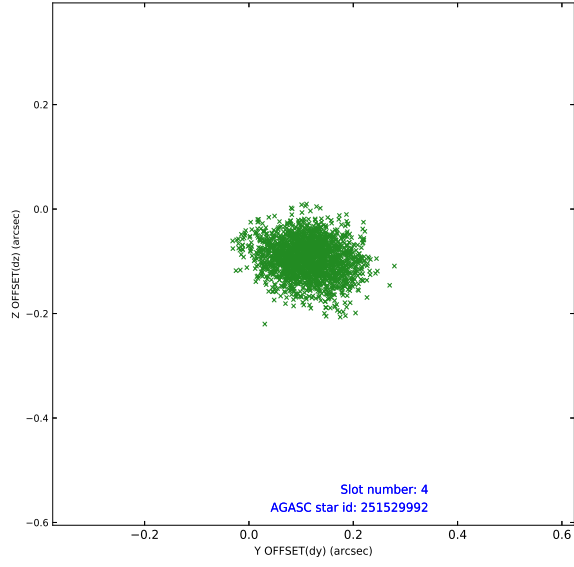
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	994	1.000	-0.071	-0.052	0.006	0.011	0.000000	0.000000	-760.30	-1732
1	FID		ACIS-S-4	7.21	994	1.000	0.155	0.048	0.006	0.011	0.000000	0.000000	2152.44	174
2	FID		ACIS-S-5	7.23	995	1.000	-0.115	0.012	0.007	0.012	0.000000	0.000000	-1811.29	170
3	GUIDE	used	251527304	8.04	1989	1.000	-0.003	0.125	0.055	0.086	113.838110	26.602308	-1290.42	-259
4	GUIDE	used	251529992	8.60	1988	1.000	0.114	-0.094	0.064	0.104	113.241412	26.496024	-1757.53	1643
5	GUIDE	used	251538528	8.02	1989	1.000	-0.188	0.111	0.045	0.074	113.912932	27.204603	885.61	-397
6	GUIDE	used	251538264	8.65	1989	1.000	0.020	0.002	0.060	0.099	113.197945	27.650130	2388.93	1954
7	GUIDE	used	251530264	8.25	1987	1.000	0.057	-0.145	0.057	0.091	113.321200	26.459873	-1875.05	1382

2.4 Star Slots

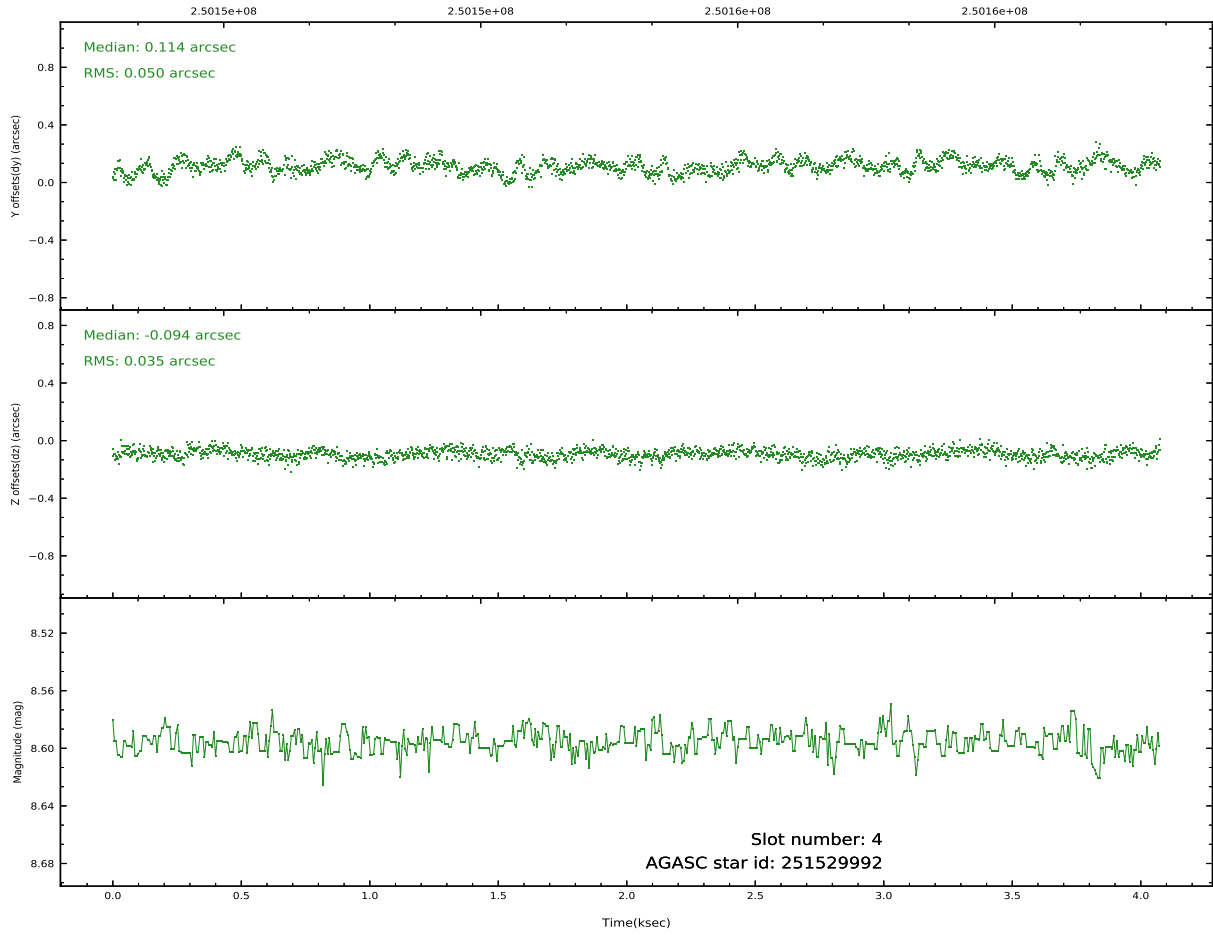
2.4.1 Slot 3



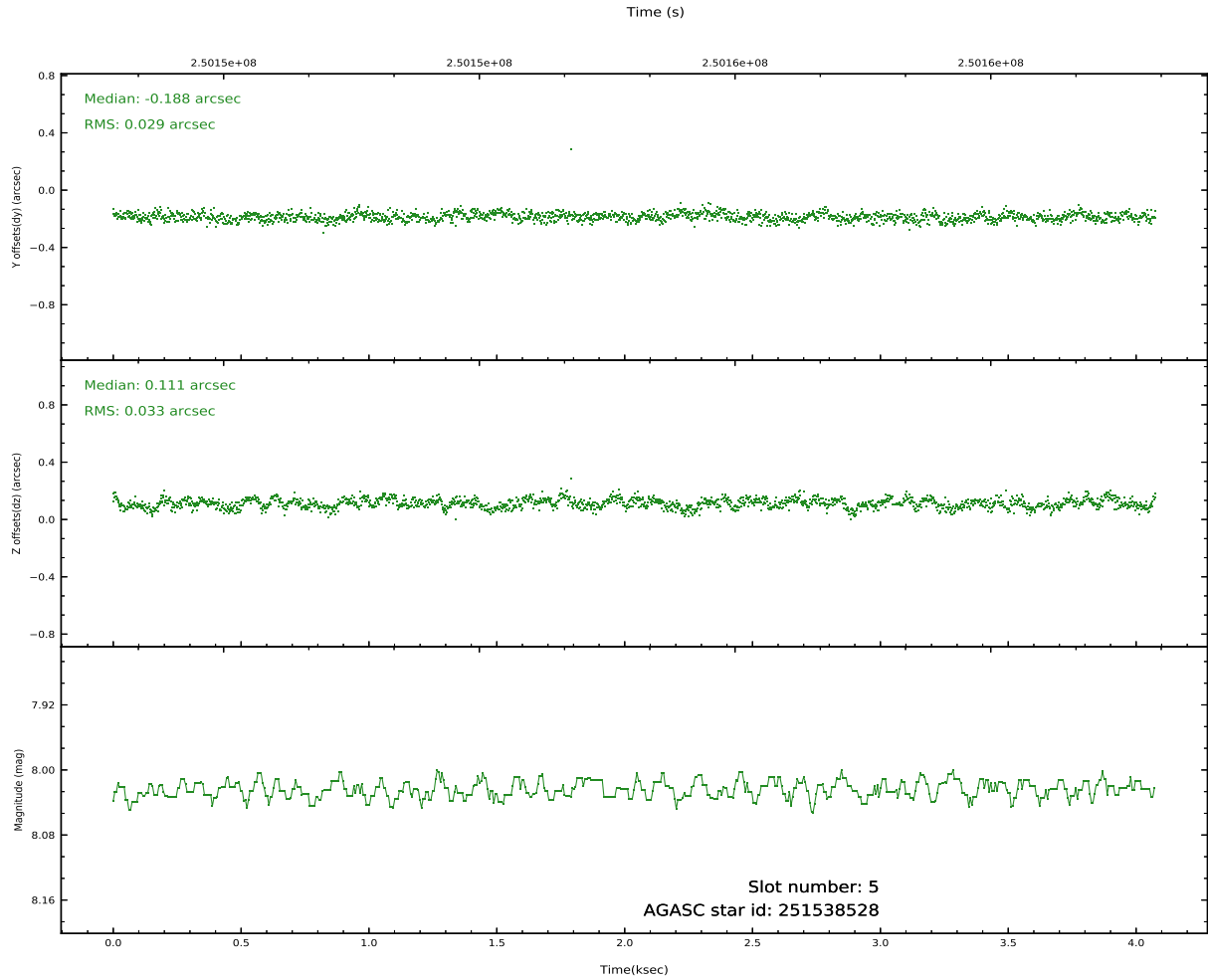
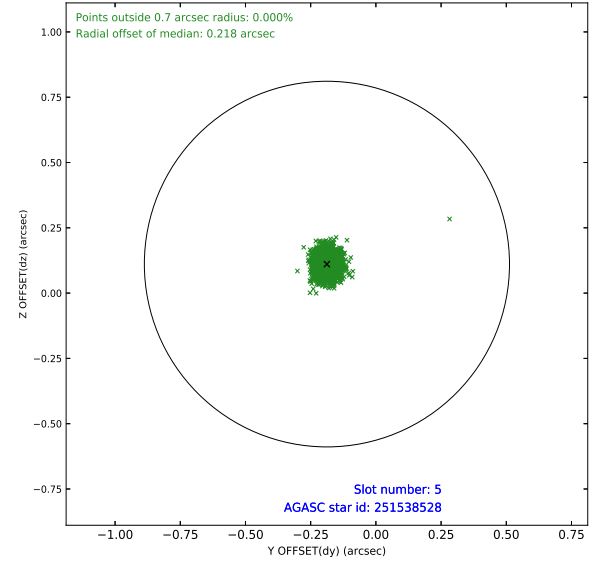
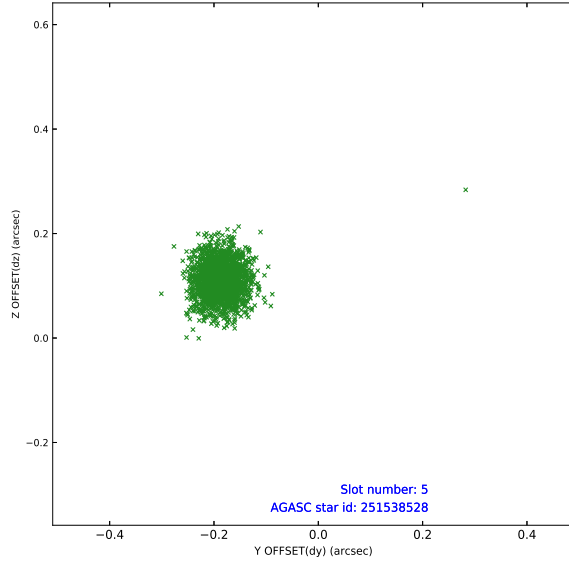
2.4.2 Slot 4



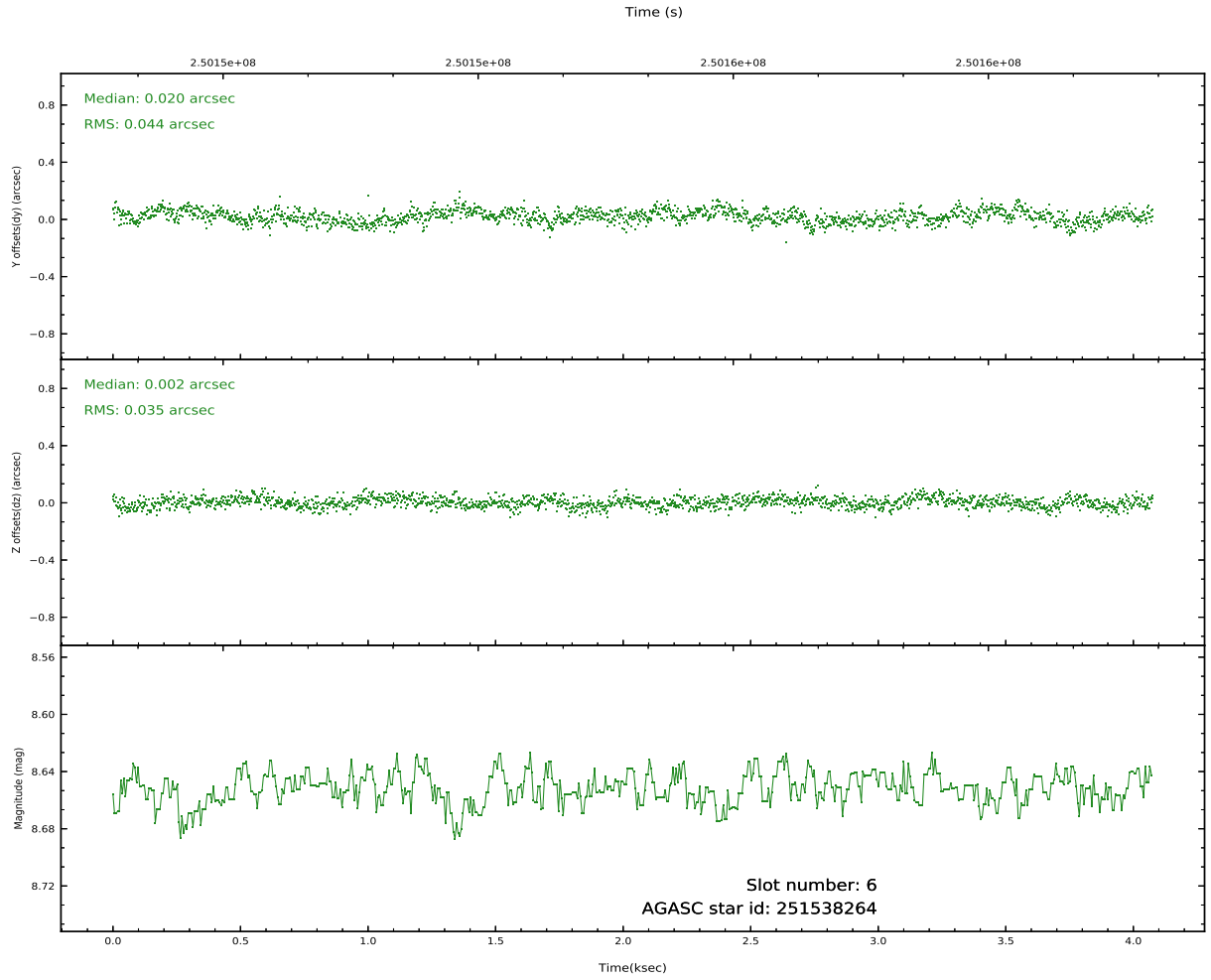
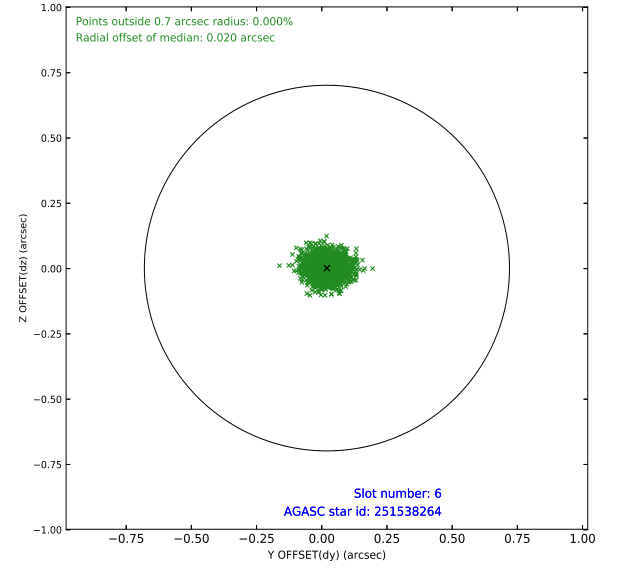
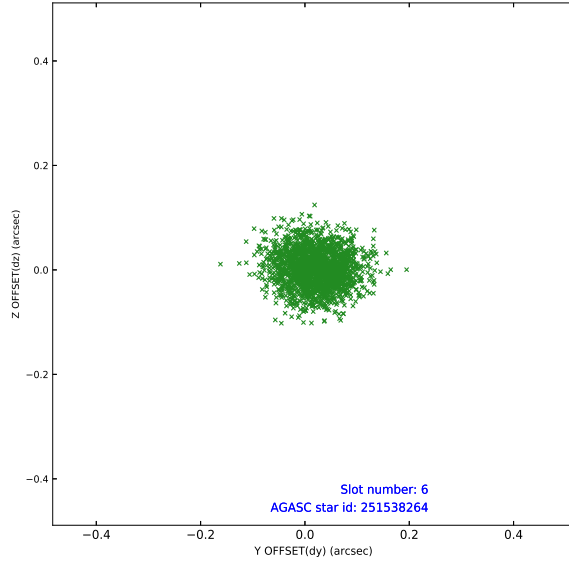
Time (s)



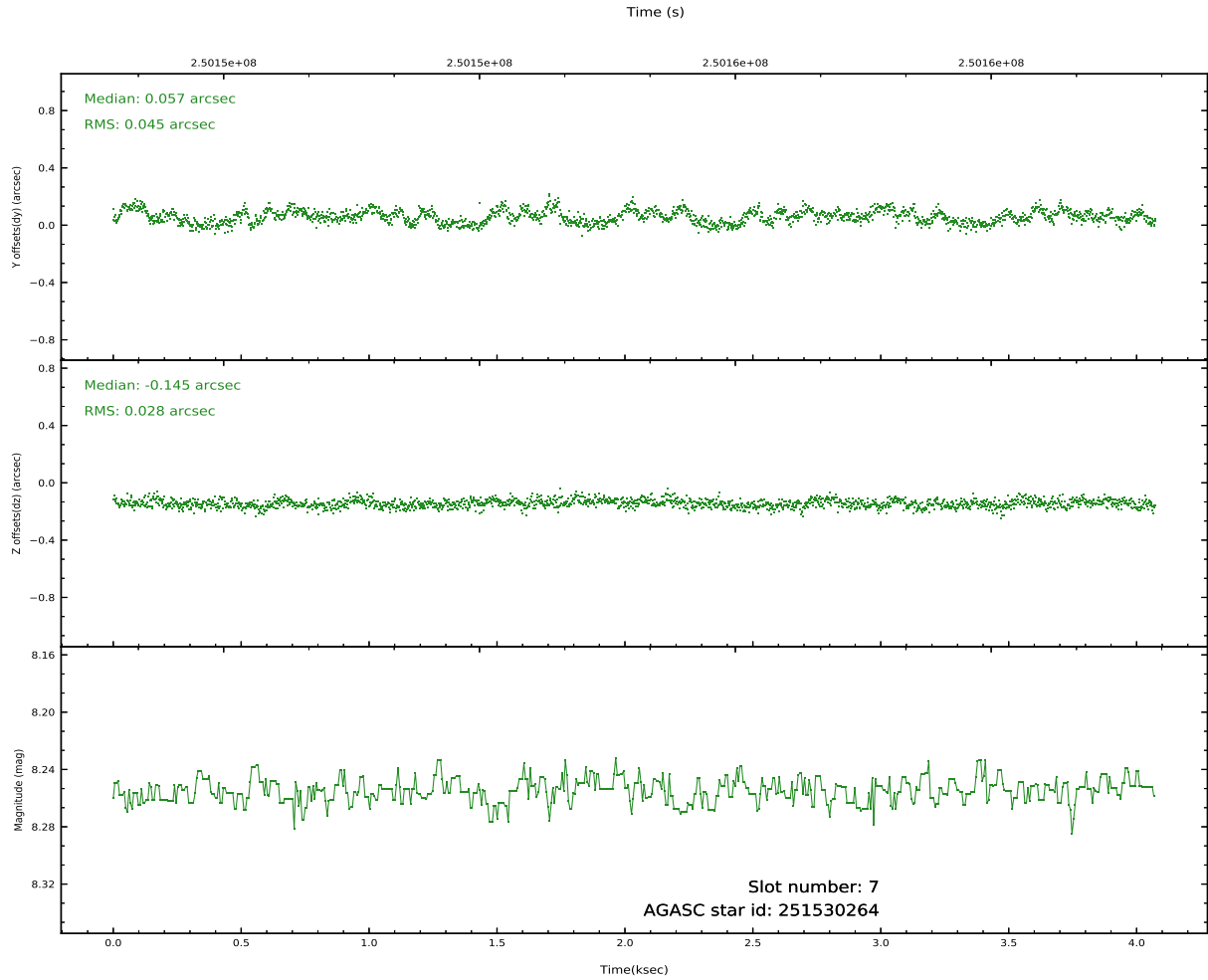
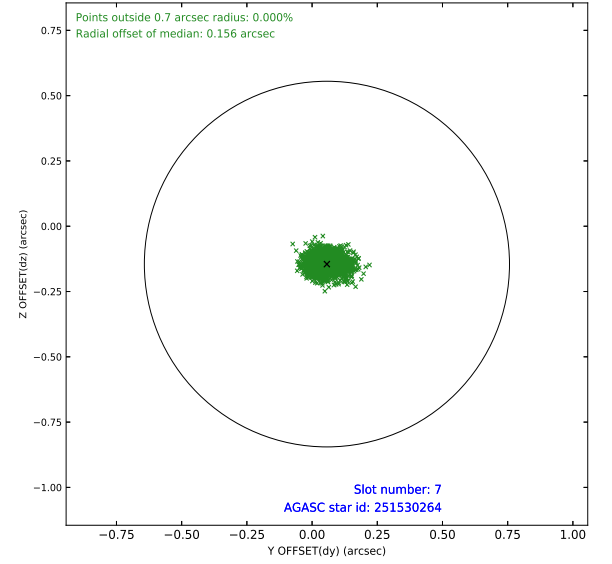
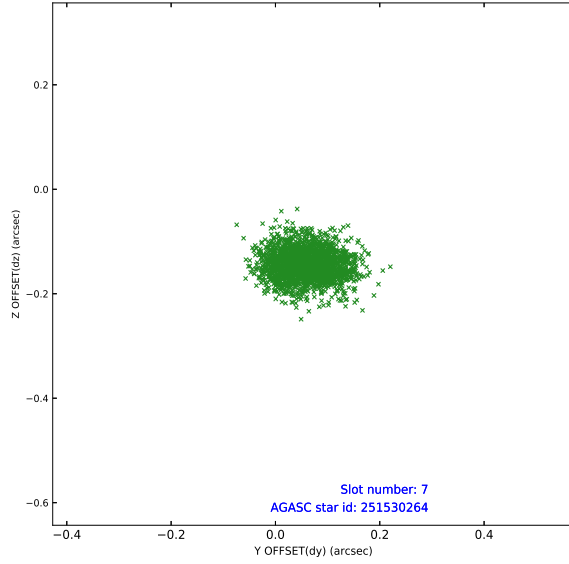
2.4.3 Slot 5



2.4.4 Slot 6

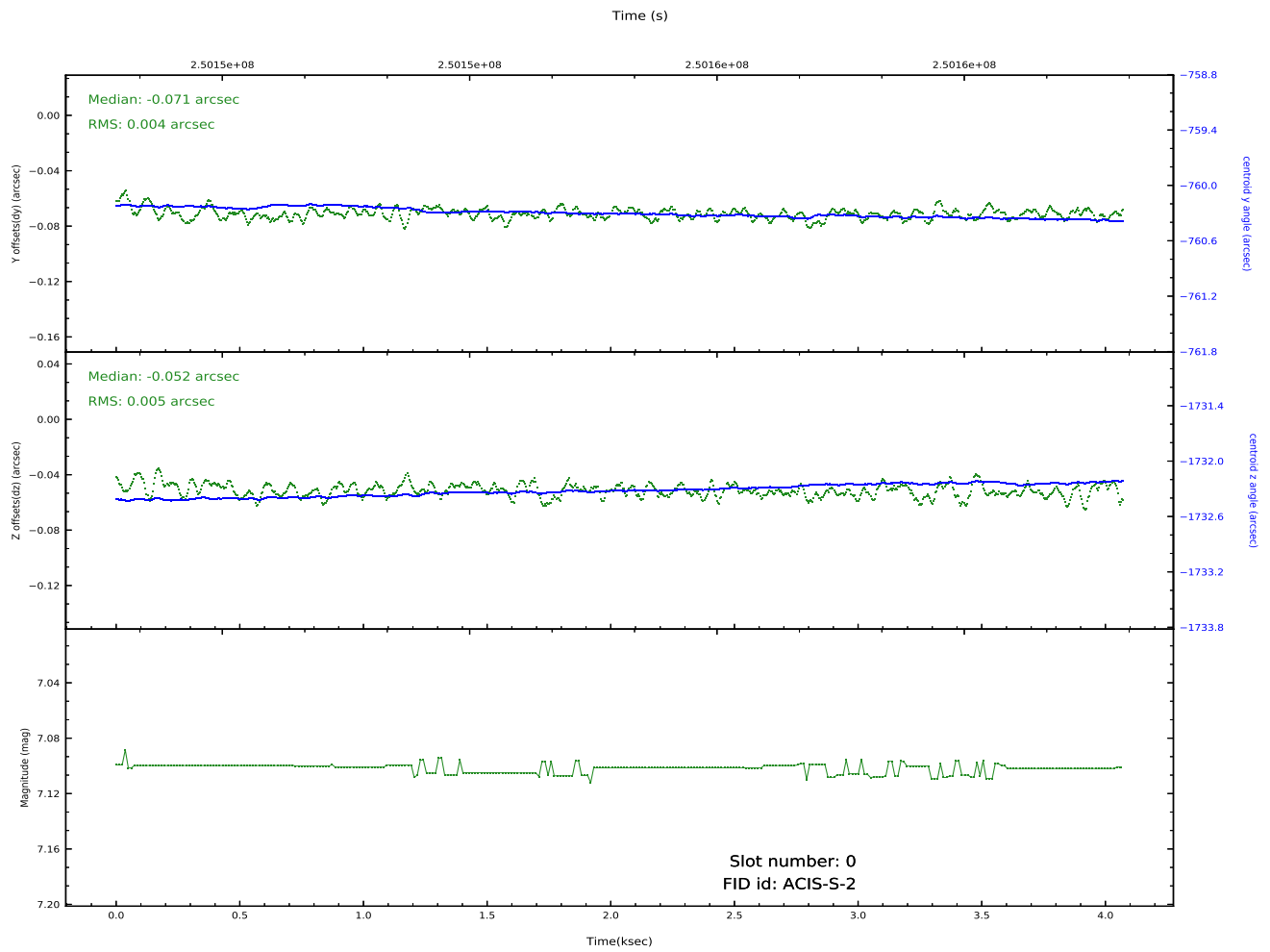
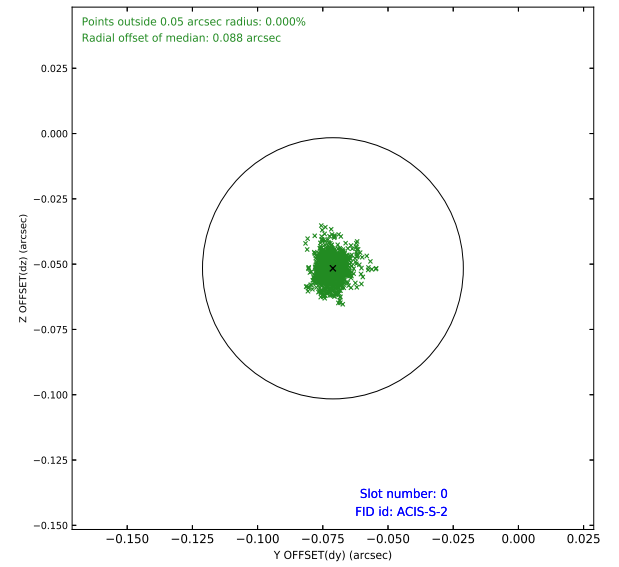
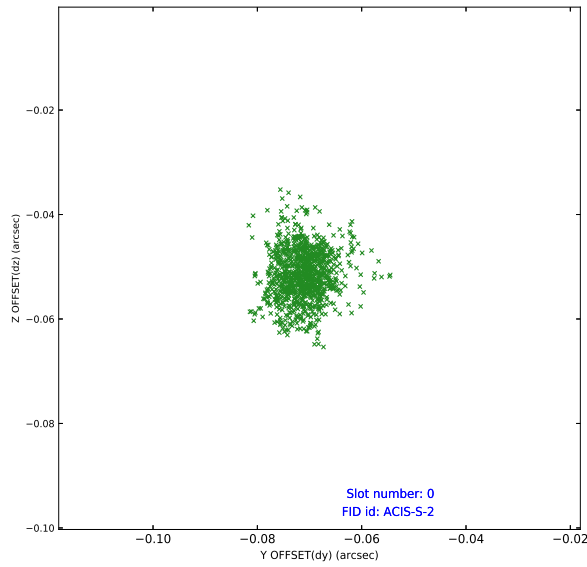


2.4.5 Slot 7

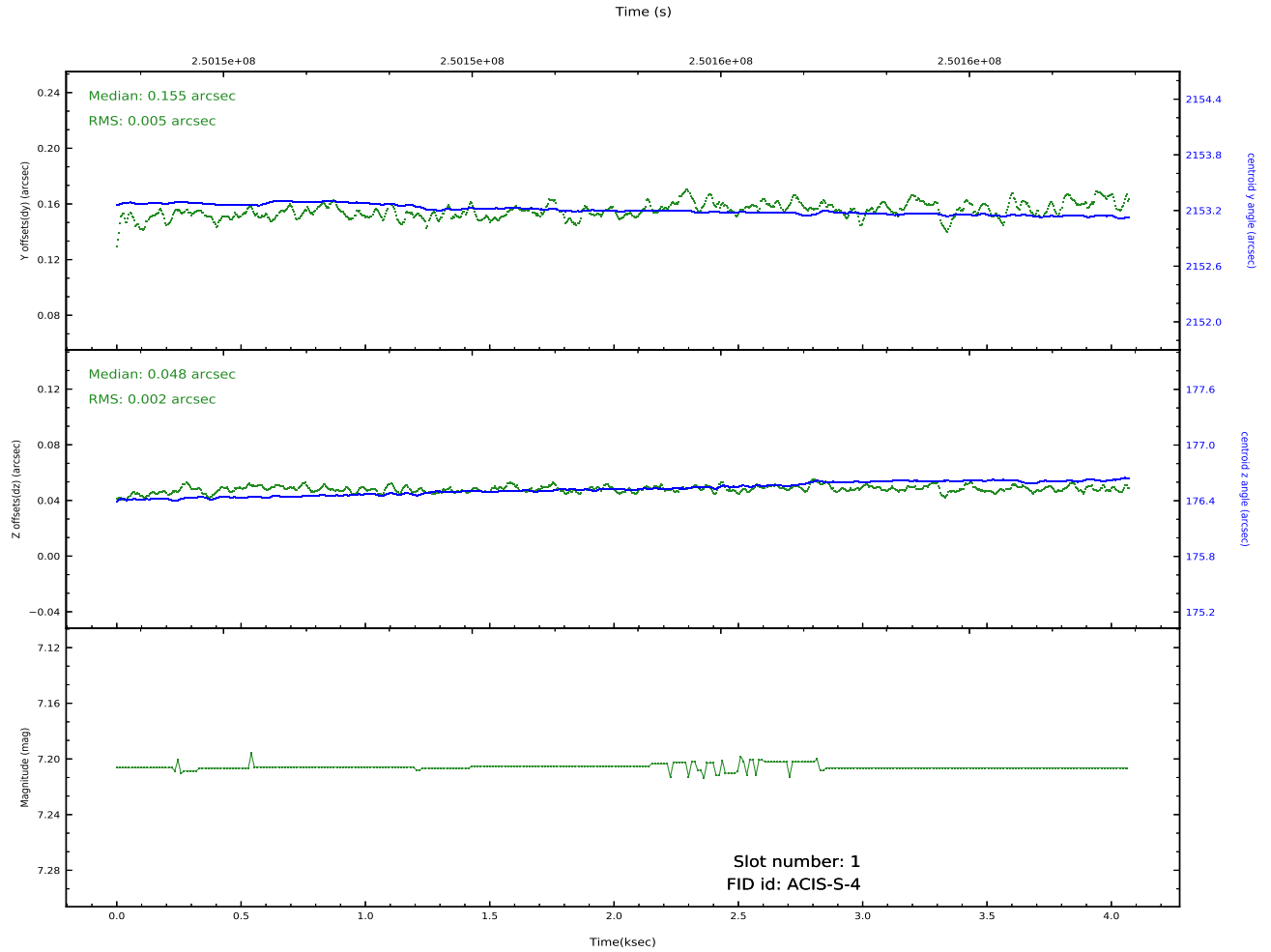
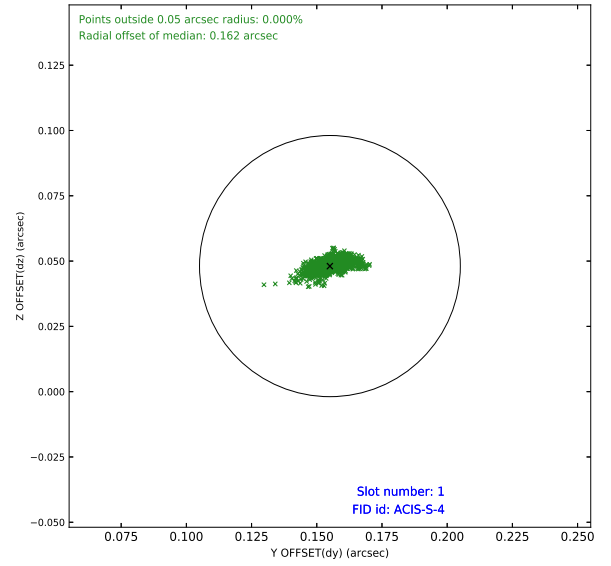
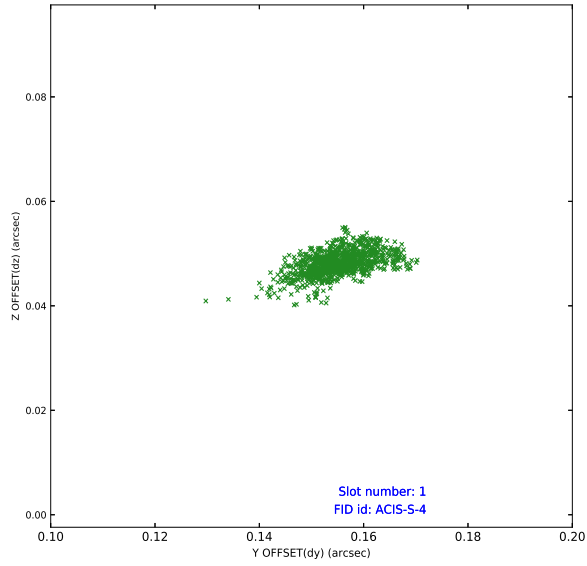


2.5 FID Slots

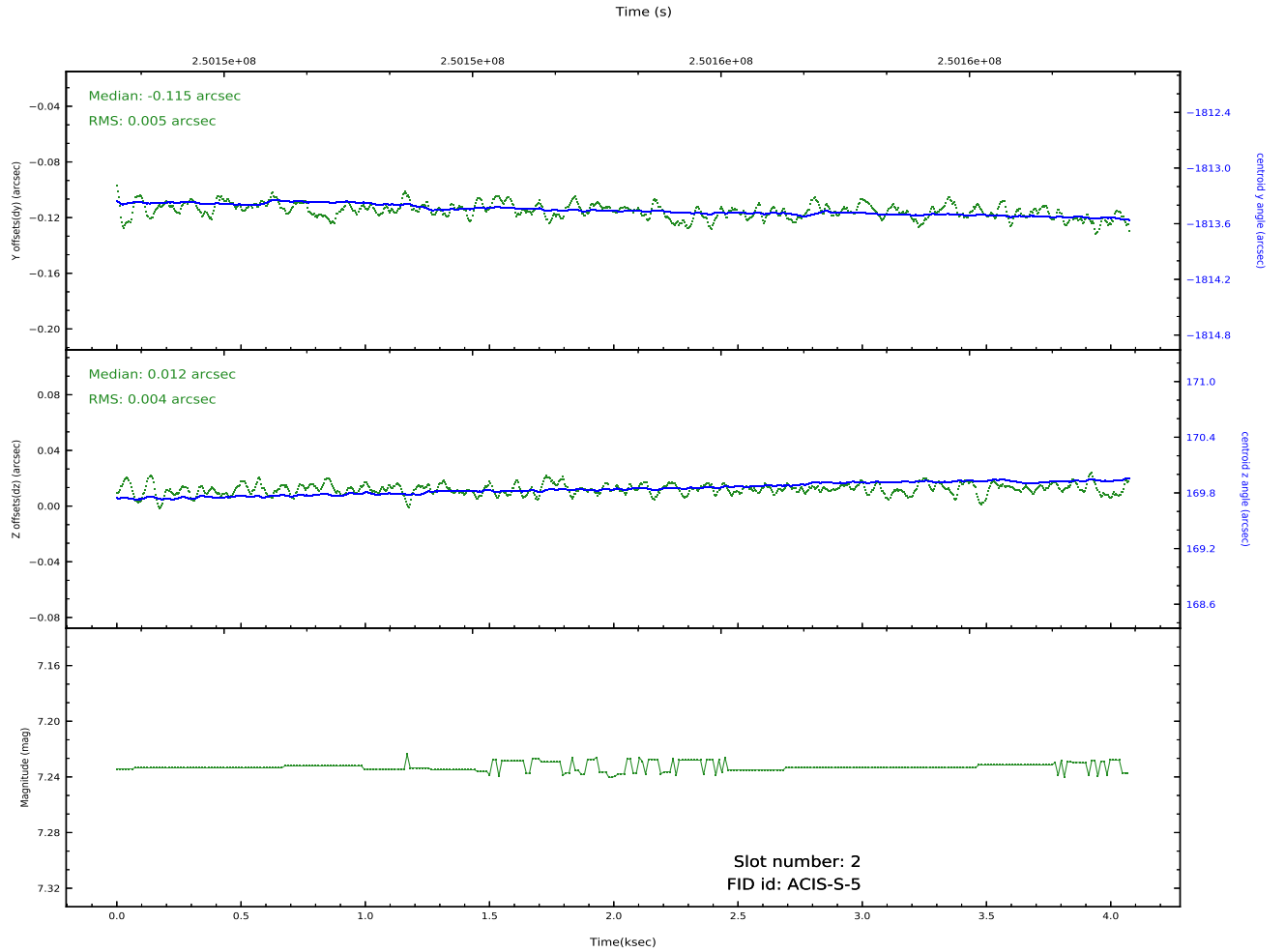
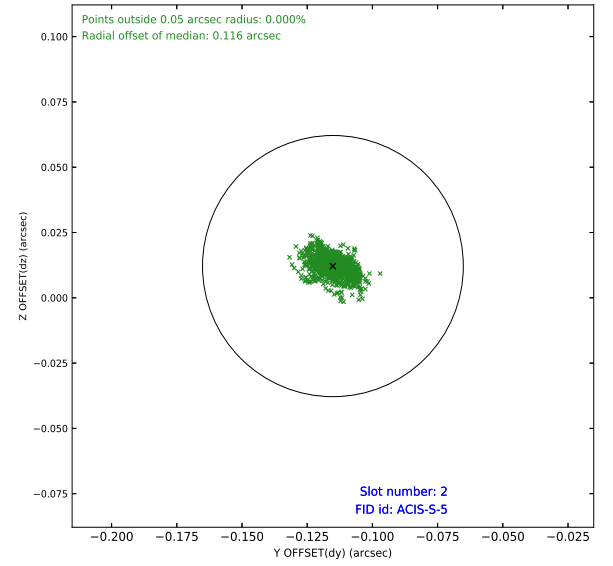
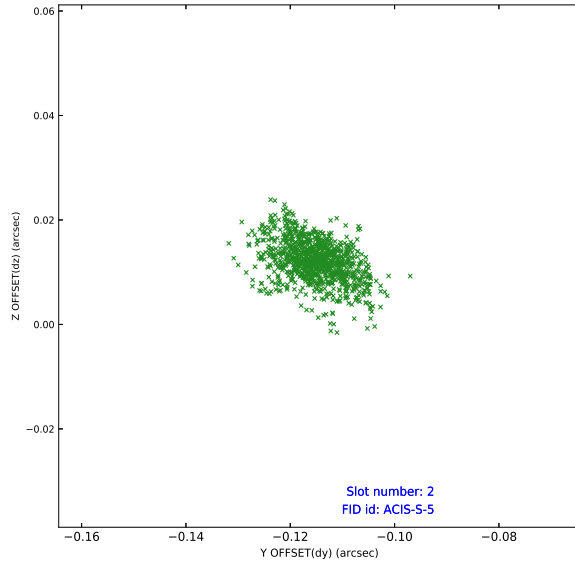
2.5.1 Slot 0



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	4.0734

A.2 Comments