

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4859 - L2 Version 4
Chandra X-Ray Center

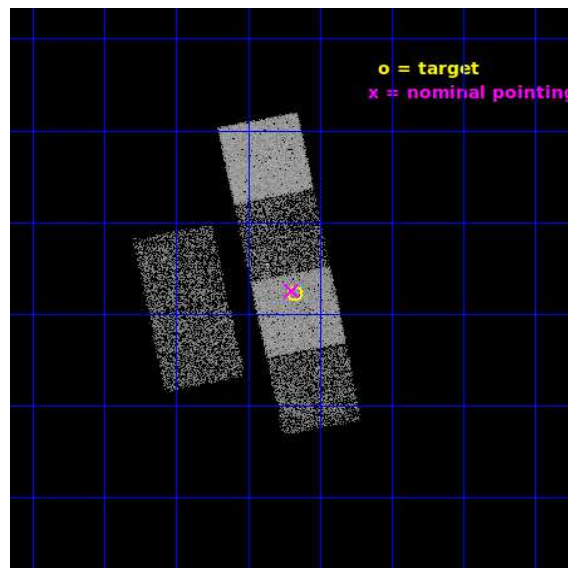
L2 Processing Date : Sep 24 2020

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1 Front

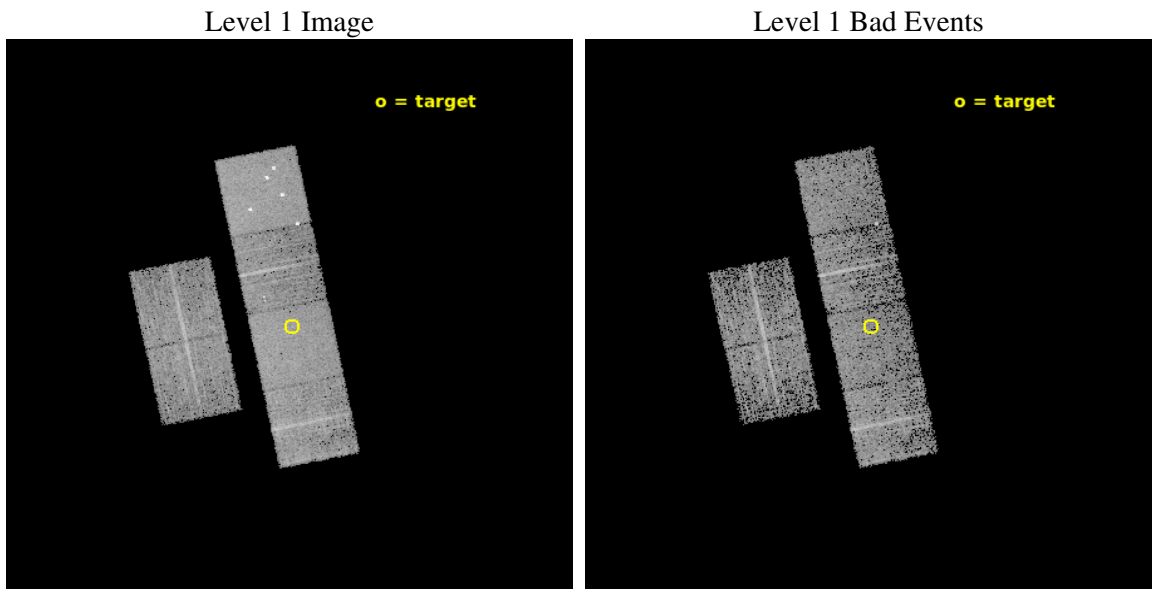
seq_num	700941	Sequence number
obs_id	4859	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Gordon Richards	Principal investigator
object	SDSS J125140.33+000210.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.917917	Observer's specified target RA [deg]
dec_targ	0.036333	Observer's specified target Dec [deg]
ra_nom	192.92375369992	Nominal RA [deg]
dec_nom	0.042531406171892	Nominal Dec [deg]
roll_nom	78.506011307574	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4092.7999847531	Sum of GTIs [s]
livetime	4040.9744869579	Livetime [s]
ontime2	4092.7999847531	Sum of GTIs [s]
ontime3	4092.7999847531	Sum of GTIs [s]
ontime5	4092.7999847531	Sum of GTIs [s]
ontime6	4092.7999847531	Sum of GTIs [s]
ontime7	4092.7999847531	Sum of GTIs [s]
ontime8	4092.797708869	Sum of GTIs [s]
l2events	44726	Number of level 2 events



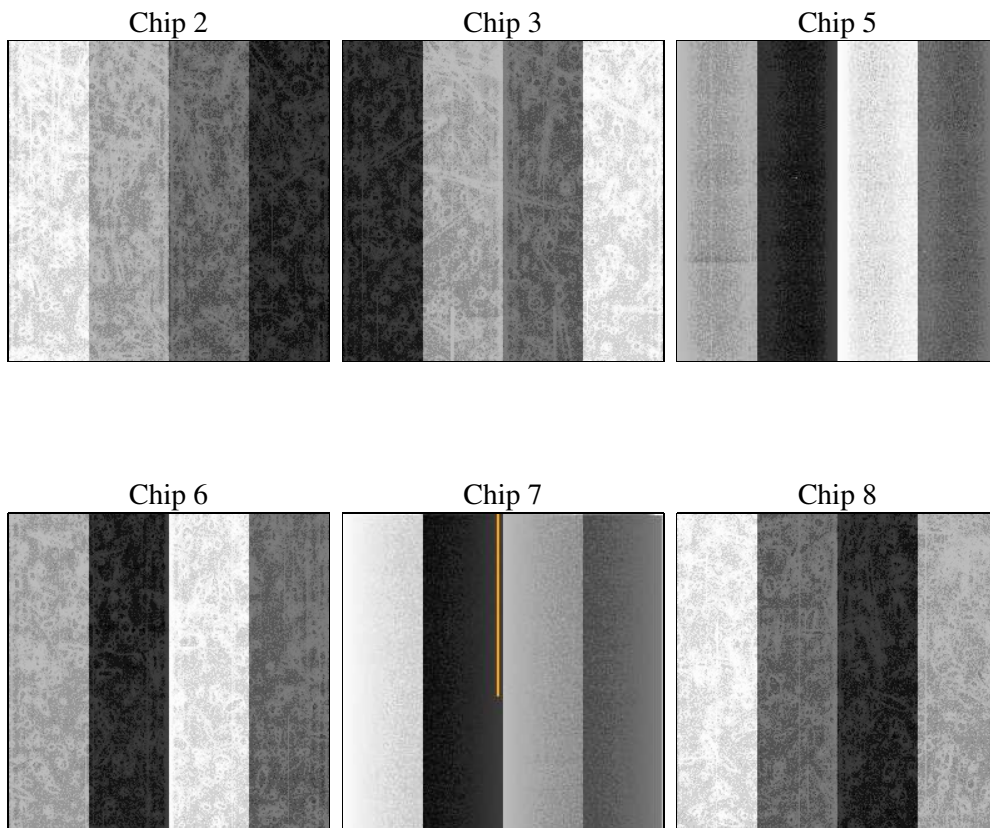
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4130.996000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4092.7999847531	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4092.7999847531	Sum of GTIs [s]
date	2020-09-24T18:29:15	Date and time of file creation	ontime3	4092.7999847531	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4092.7999847531	Sum of GTIs [s]
			ontime6	4092.7999847531	Sum of GTIs [s]
			ontime7	4092.7999847531	Sum of GTIs [s]
			ontime8	4092.797708869	Sum of GTIs [s]
			l1events	202523	Number of level 1 events

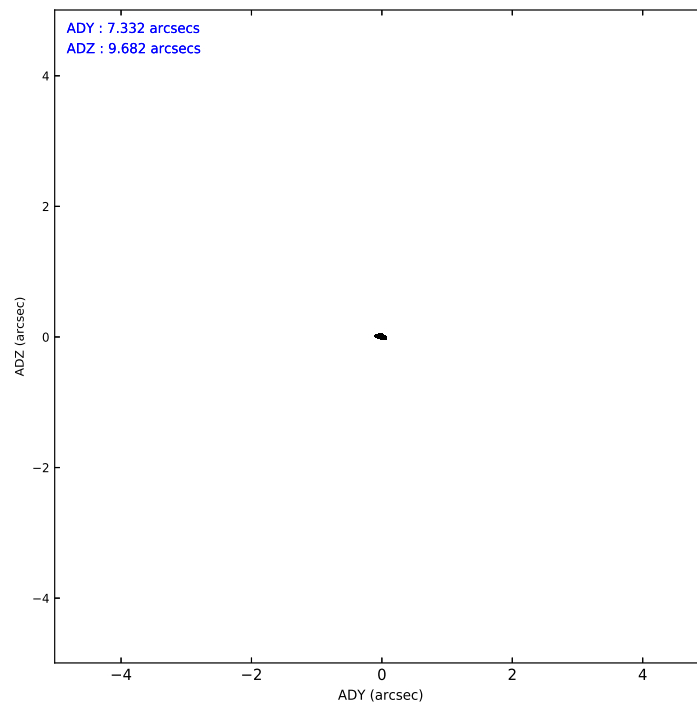
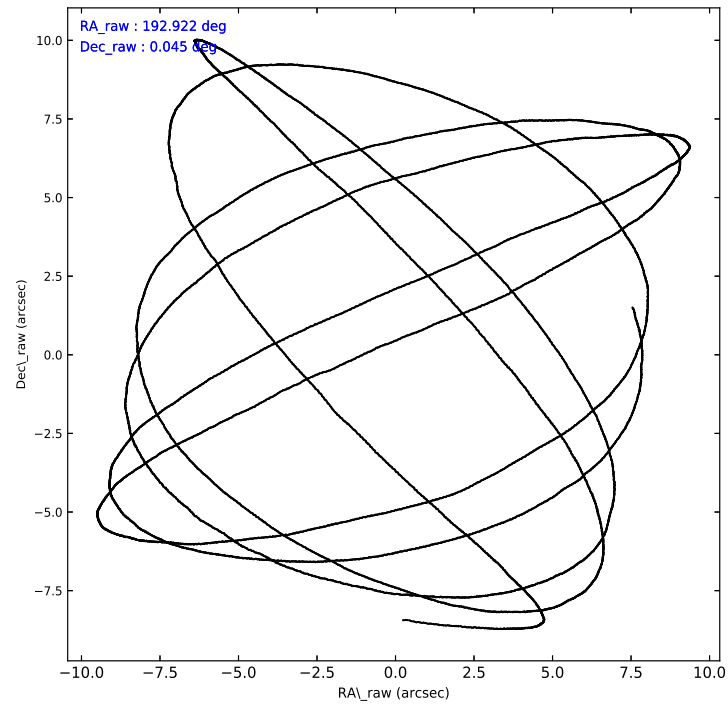
2.1.4 Events

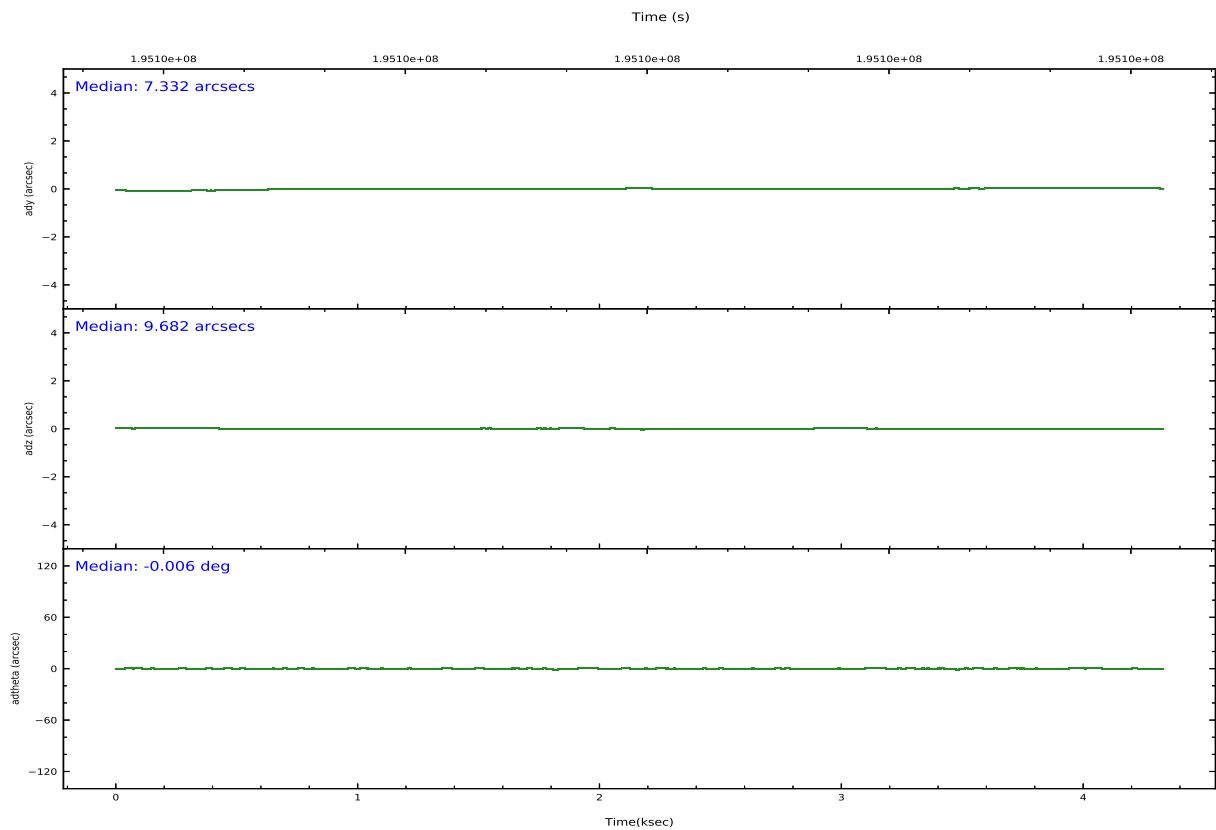
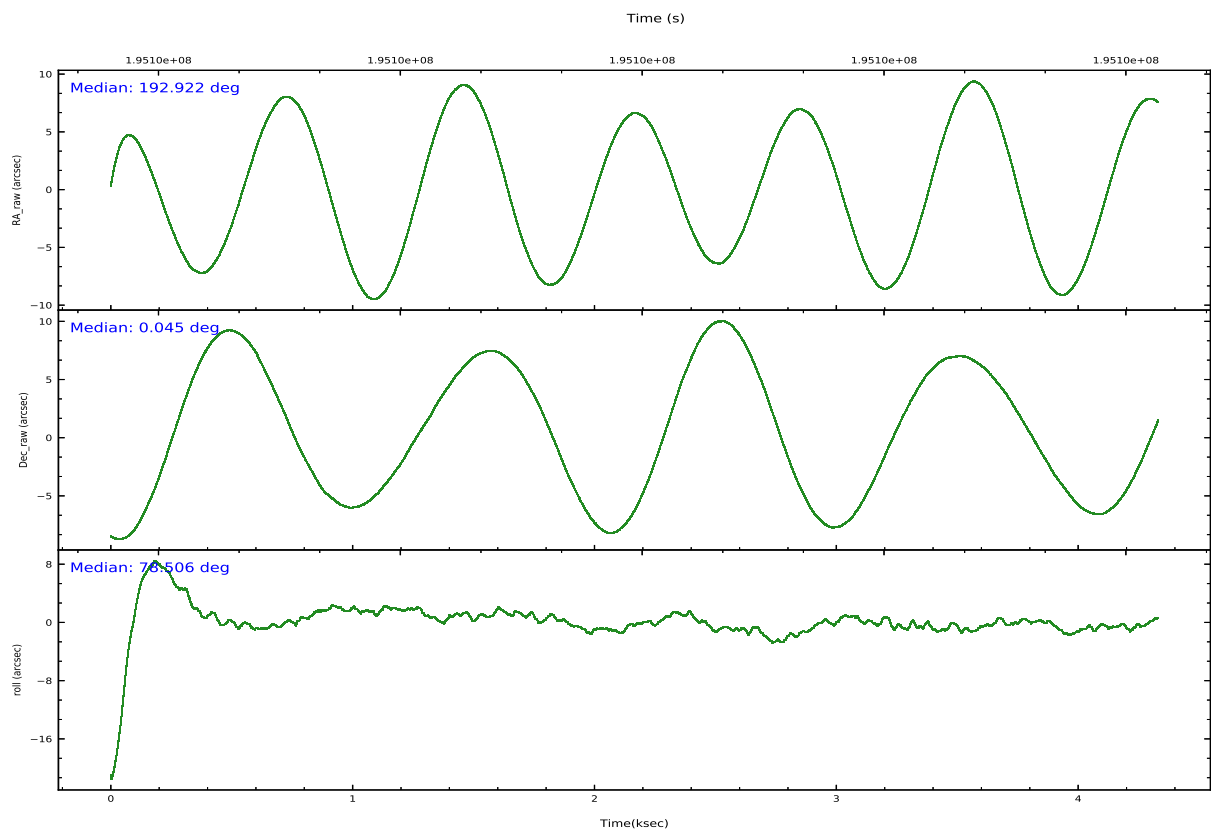
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28042	27130	46301	28063	37531	35456	grade 0 events	1412	1453	5599	1682	1406	2243
rejected events	24835	23831	22641	24305	22153	28613		5%	5%	12%	5%	3%	6%
rejected %	88%	87%	48%	86%	59%	80%	grade 1 events	15	19	187	26	29	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	641	640	6177	764	3100	1494
								2%	2%	13%	2%	8%	4%
							grade 3 events	306	330	964	319	1371	741
								1%	1%	2%	1%	3%	2%
							grade 4 events	316	311	767	321	1346	581
								1%	1%	1%	1%	3%	1%
							grade 5 events	1043	1216	3033	1256	3599	1761
								3%	4%	6%	4%	9%	4%
							grade 6 events	536	567	10177	673	8163	1788
								1%	2%	21%	2%	21%	5%
							grade 7 events	23773	22594	19397	23022	18517	26818
								84%	83%	41%	82%	49%	75%

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	192.930465	192.92375369992	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.019625	0.042531406171892	Alternating exposures requested	N	N
[deg] Pointing Roll	78.345176	78.506011307574	[s] Primary exposure time	0.000000	3.2
[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)	195096002.184000	195095032.13851			
Observation start date	2004-03-08T01:18:58	2004-03-08T01:03:52			
[s] Observation end time (MET)	195100133.184000	195100447.72625			
Observation end date	2004-03-08T02:27:49	2004-03-08T02:34:07			
Read mode	TIMED	TIMED			

2.3 Aspect



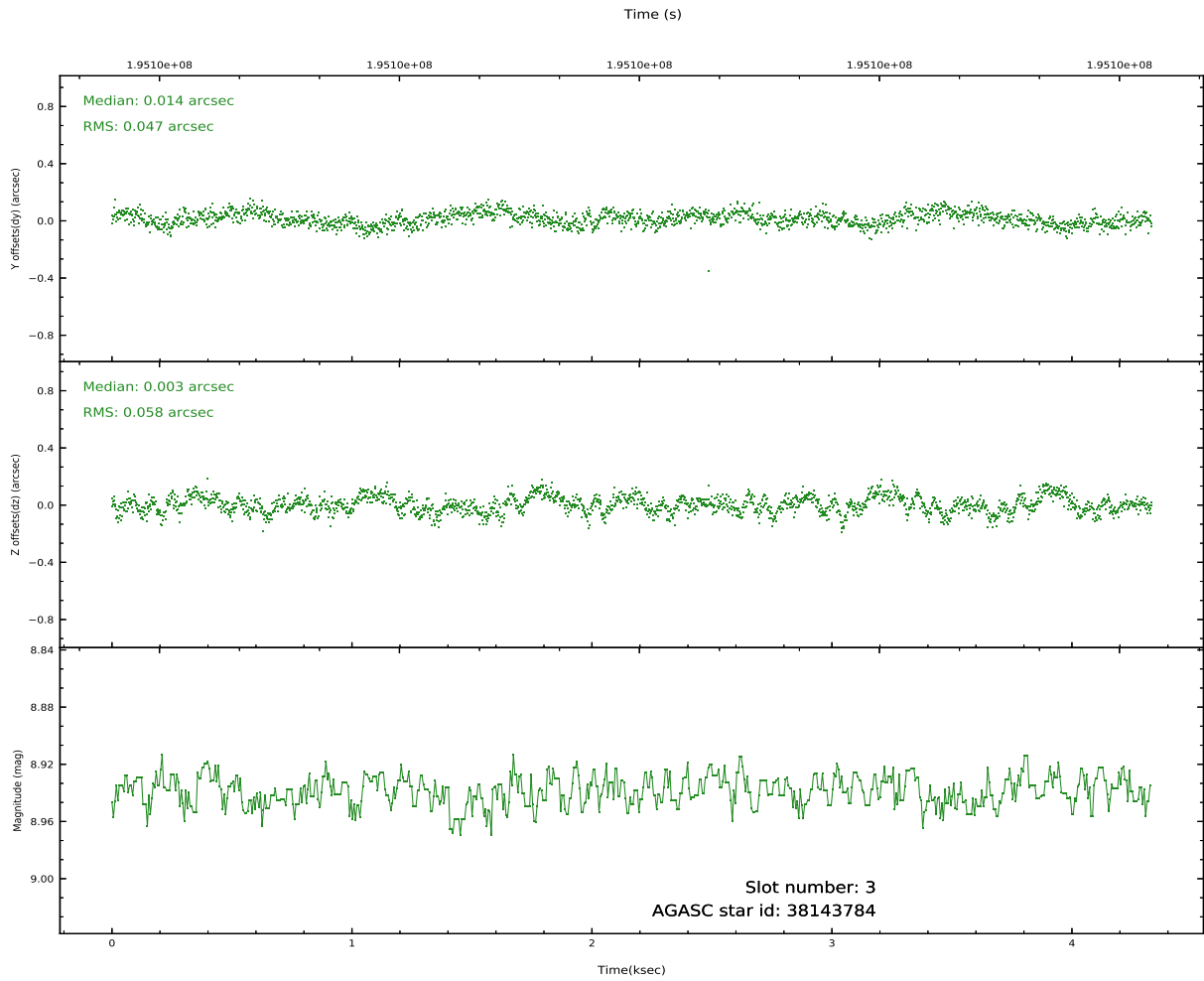
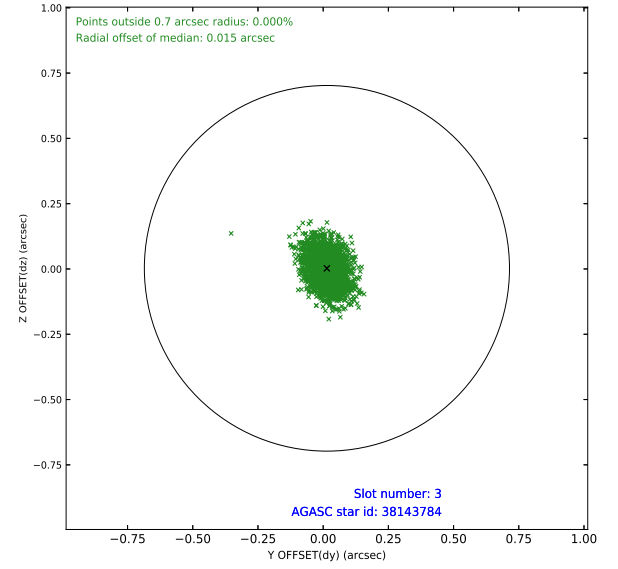
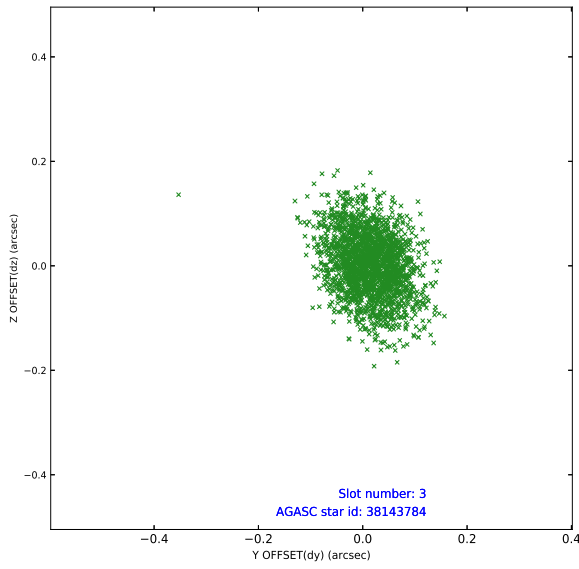


Slot Statistics

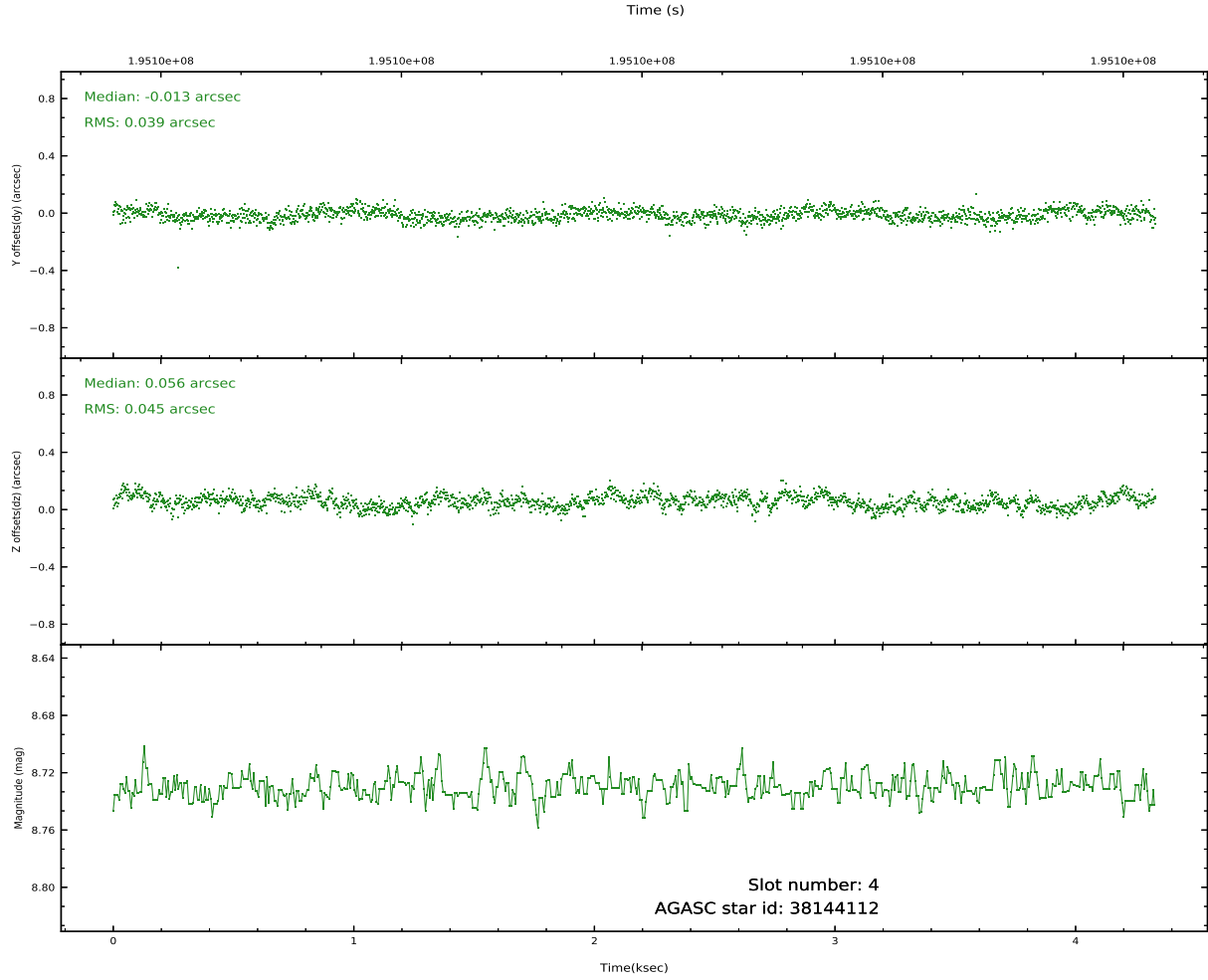
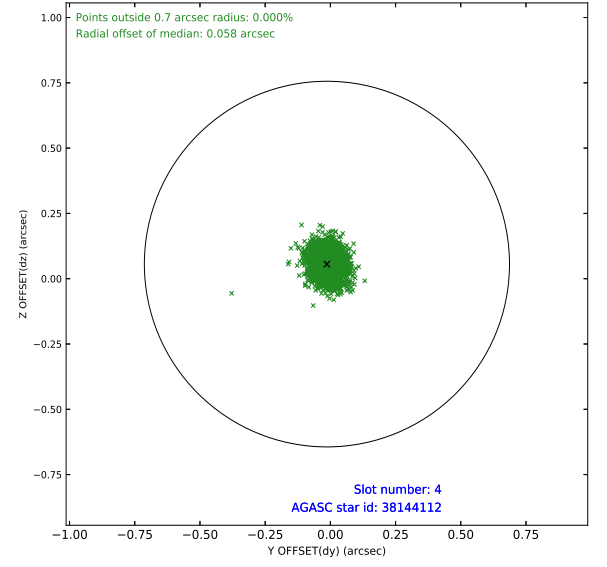
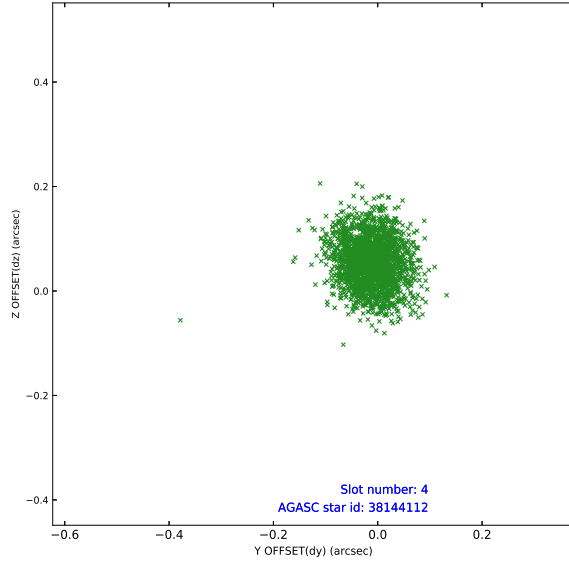
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1057	1.000	-0.070	-0.064	0.007	0.012	0.000000	0.000000	-760.10	-1731
1	FID		ACIS-S-4	7.21	1057	1.000	0.142	0.051	0.005	0.010	0.000000	0.000000	2152.68	176
2	FID		ACIS-S-5	7.24	1057	1.000	-0.103	0.022	0.007	0.012	0.000000	0.000000	-1811.20	171
3	GUIDE	used	38143784	8.94	2110	1.000	0.014	0.003	0.078	0.130	193.400187	0.111428	666.14	-1589
4	GUIDE	used	38144112	8.73	2114	1.000	-0.013	0.056	0.063	0.100	193.113721	0.229030	872.59	-494
5	GUIDE	used	38144832	8.88	2113	1.000	-0.031	0.074	0.103	0.152	193.278687	0.444835	1753.59	-918
6	GUIDE	used	38145048	8.49	2114	1.000	-0.158	-0.163	0.059	0.094	192.913004	0.496149	1668.84	407
7	GUIDE	used	648806600	9.51	2112	1.000	0.188	0.036	0.127	0.194	192.979355	-0.633994	-2267.19	-647

2.4 Star Slots

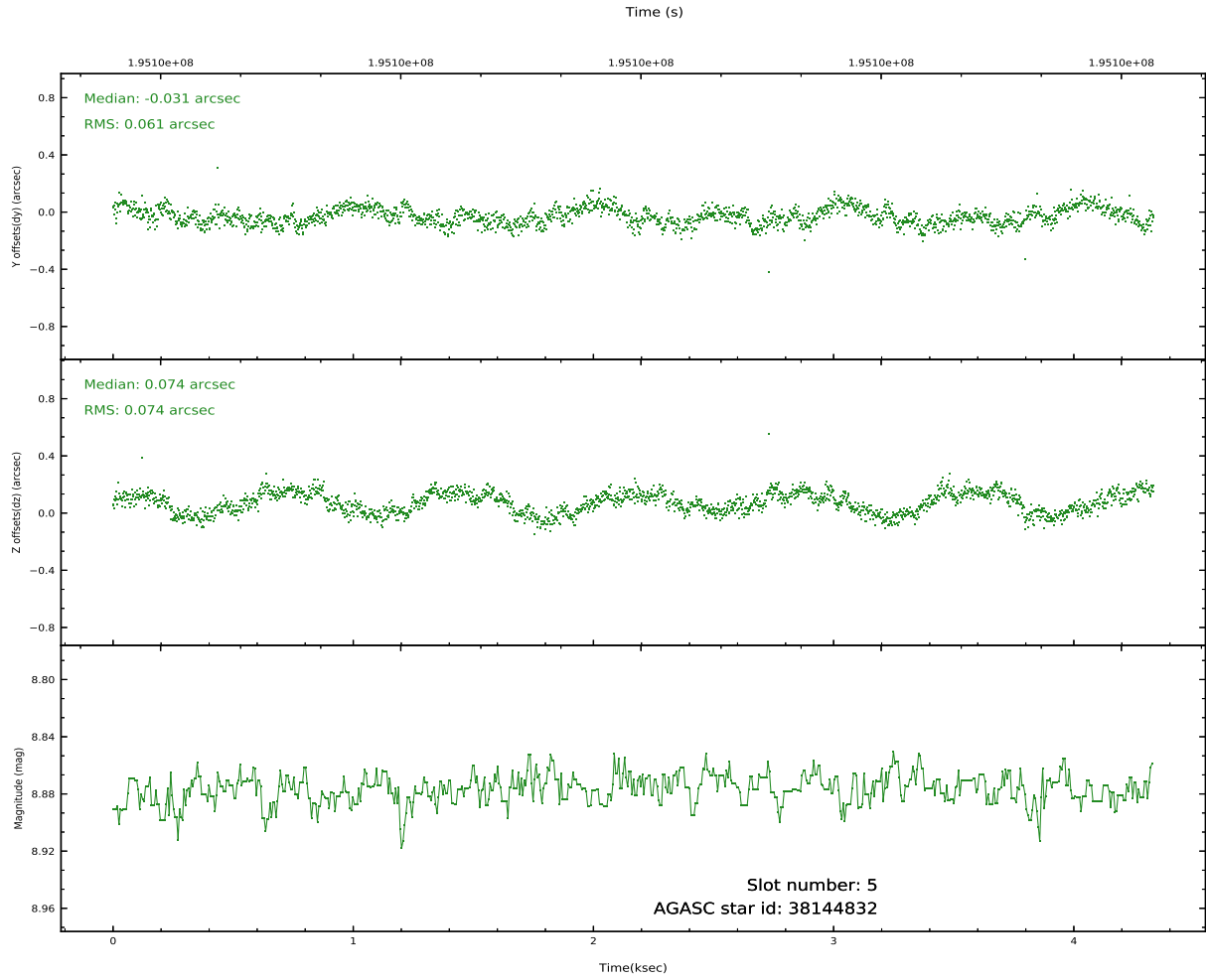
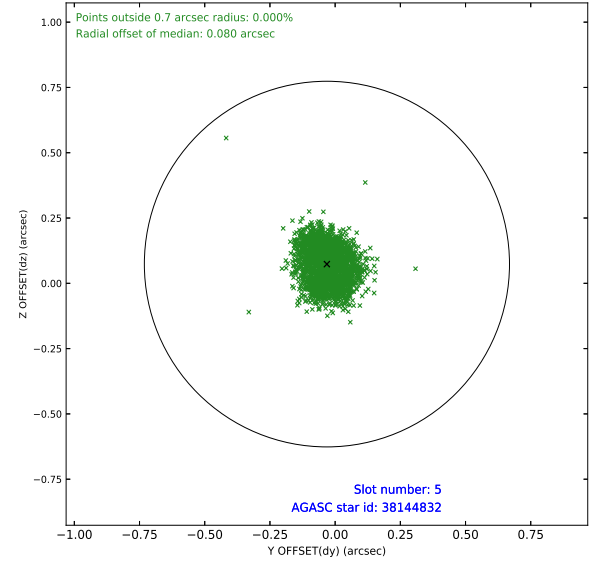
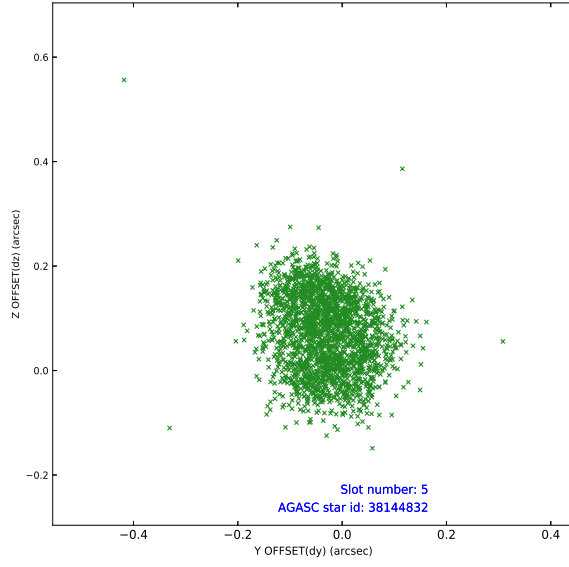
2.4.1 Slot 3



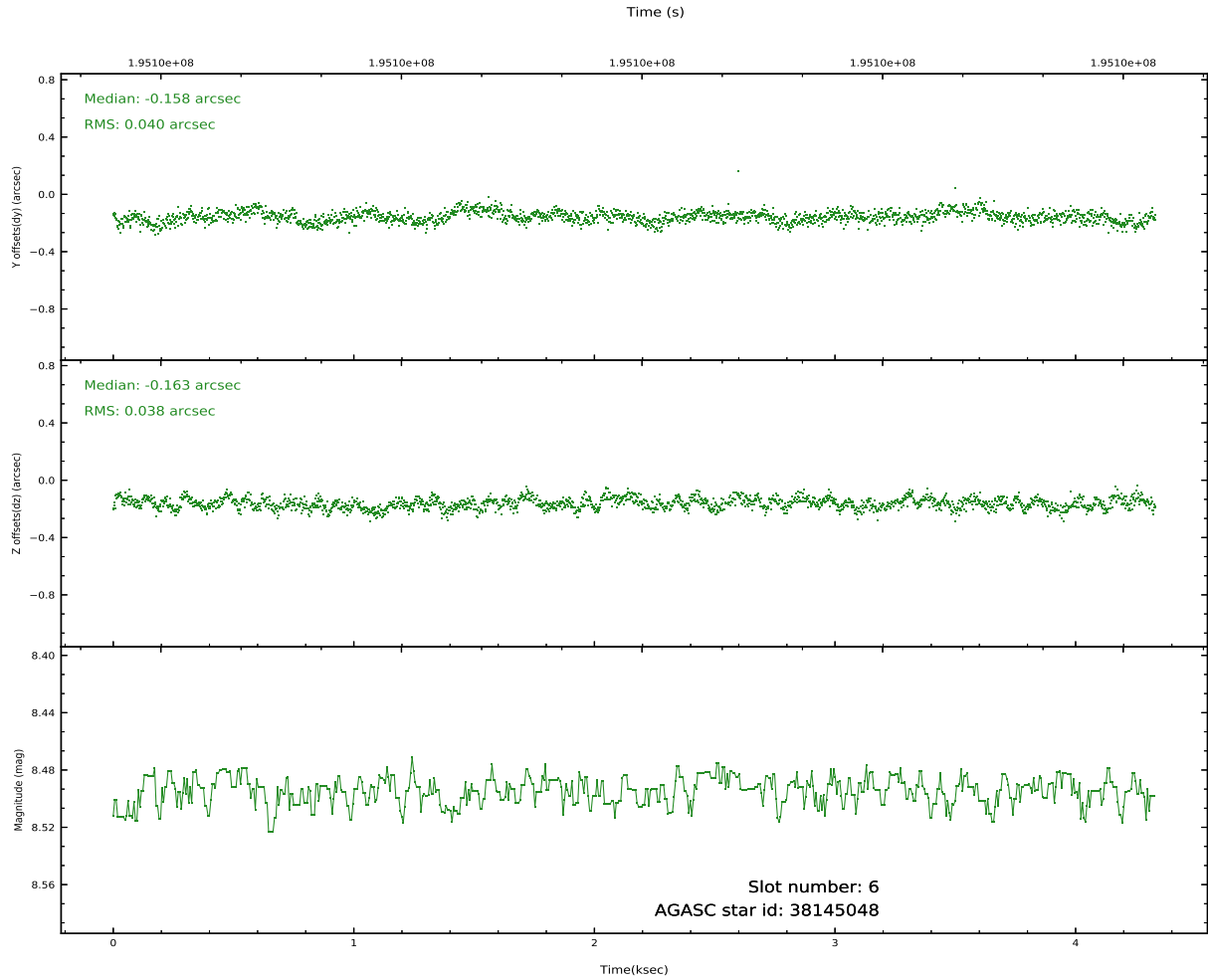
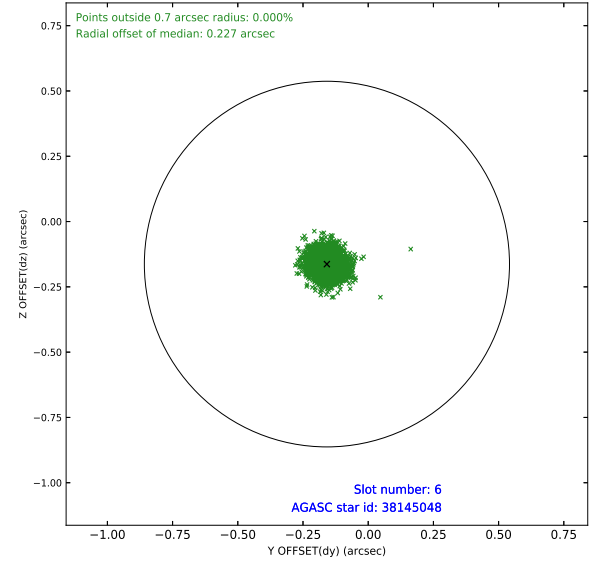
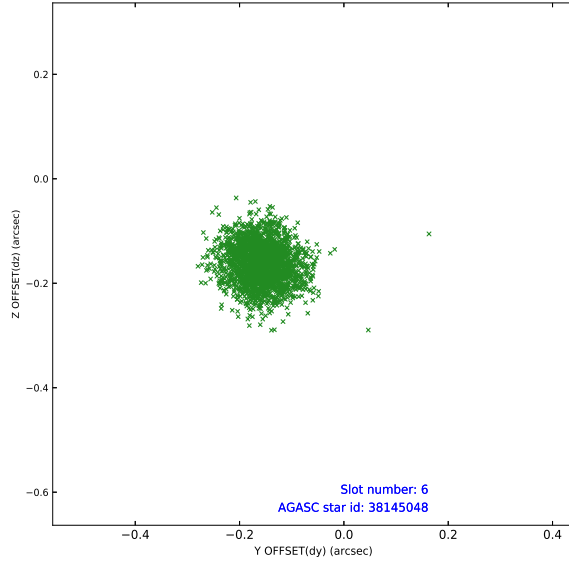
2.4.2 Slot 4



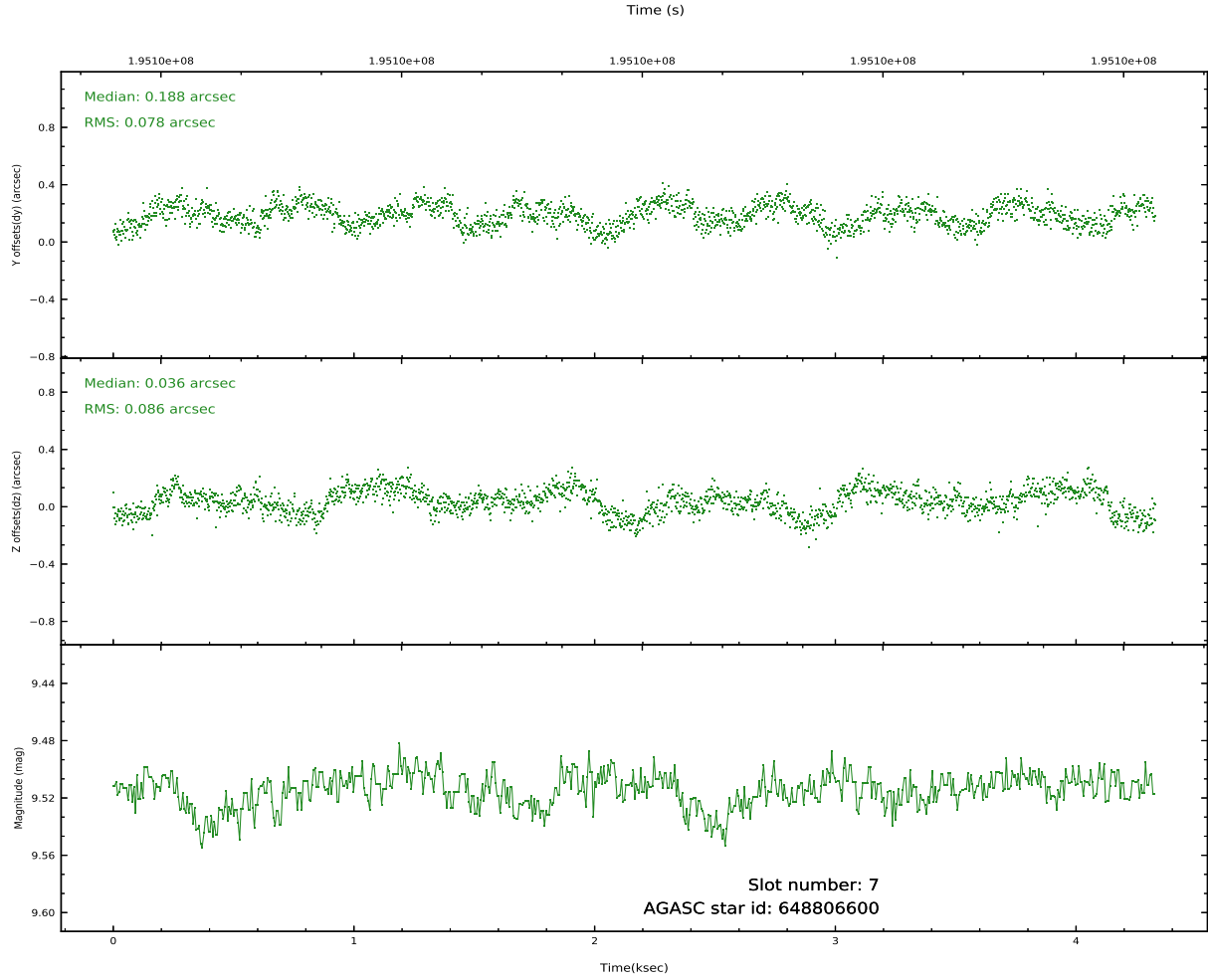
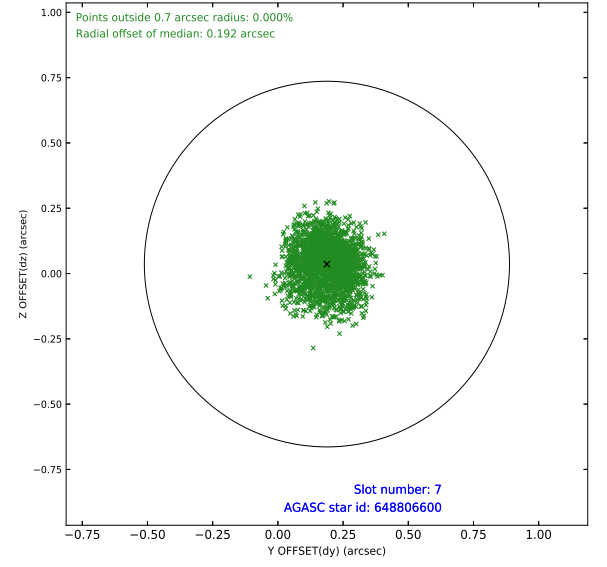
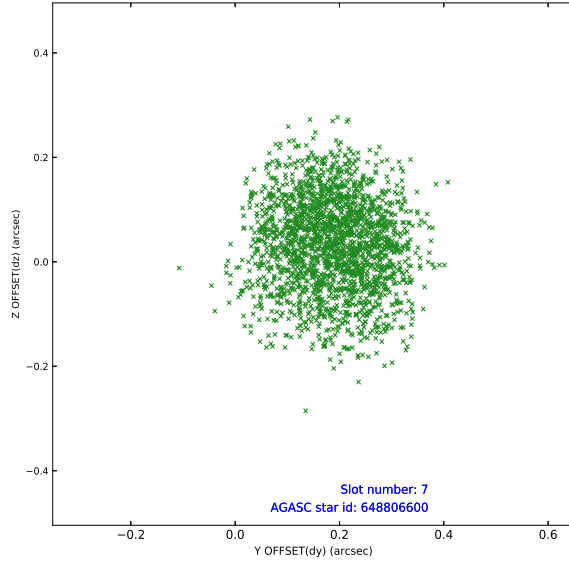
2.4.3 Slot 5



2.4.4 Slot 6

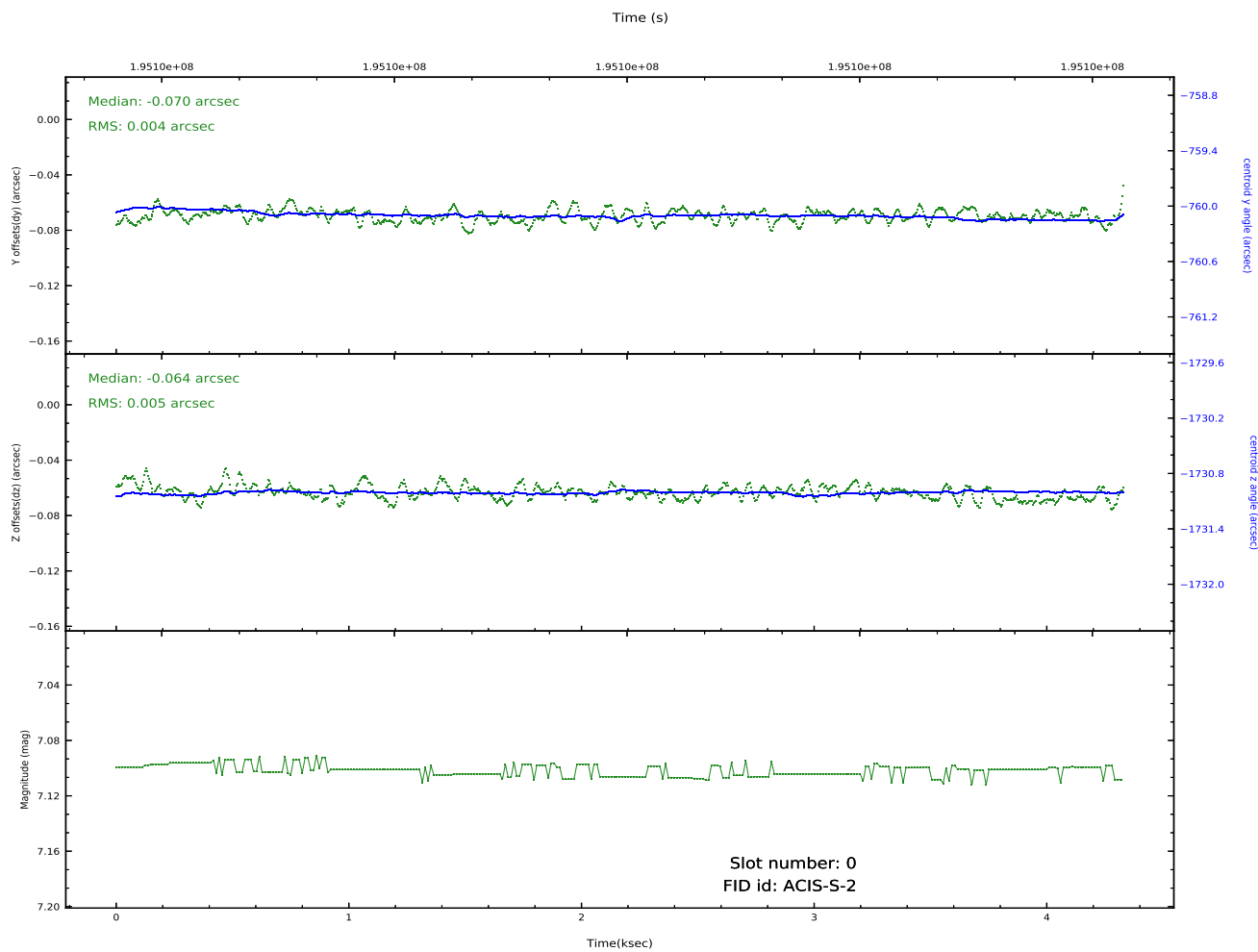
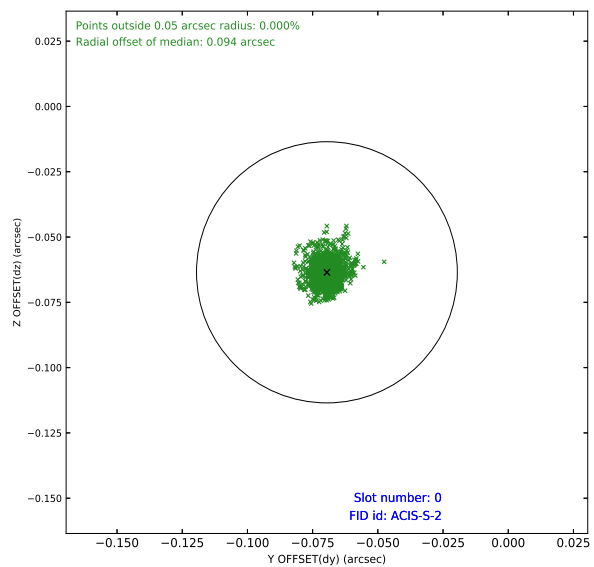
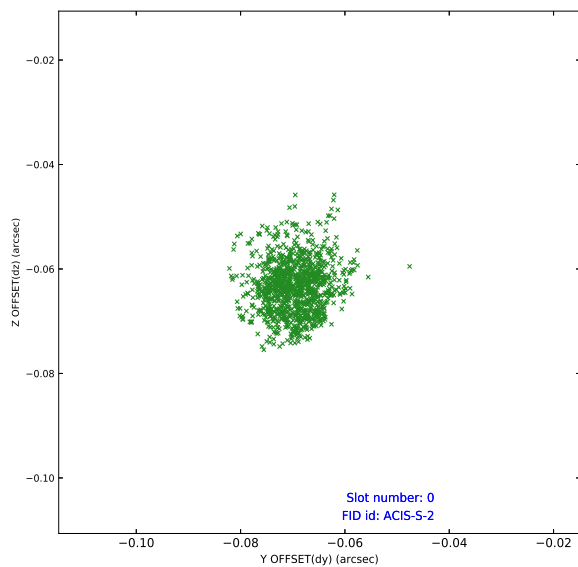


2.4.5 Slot 7

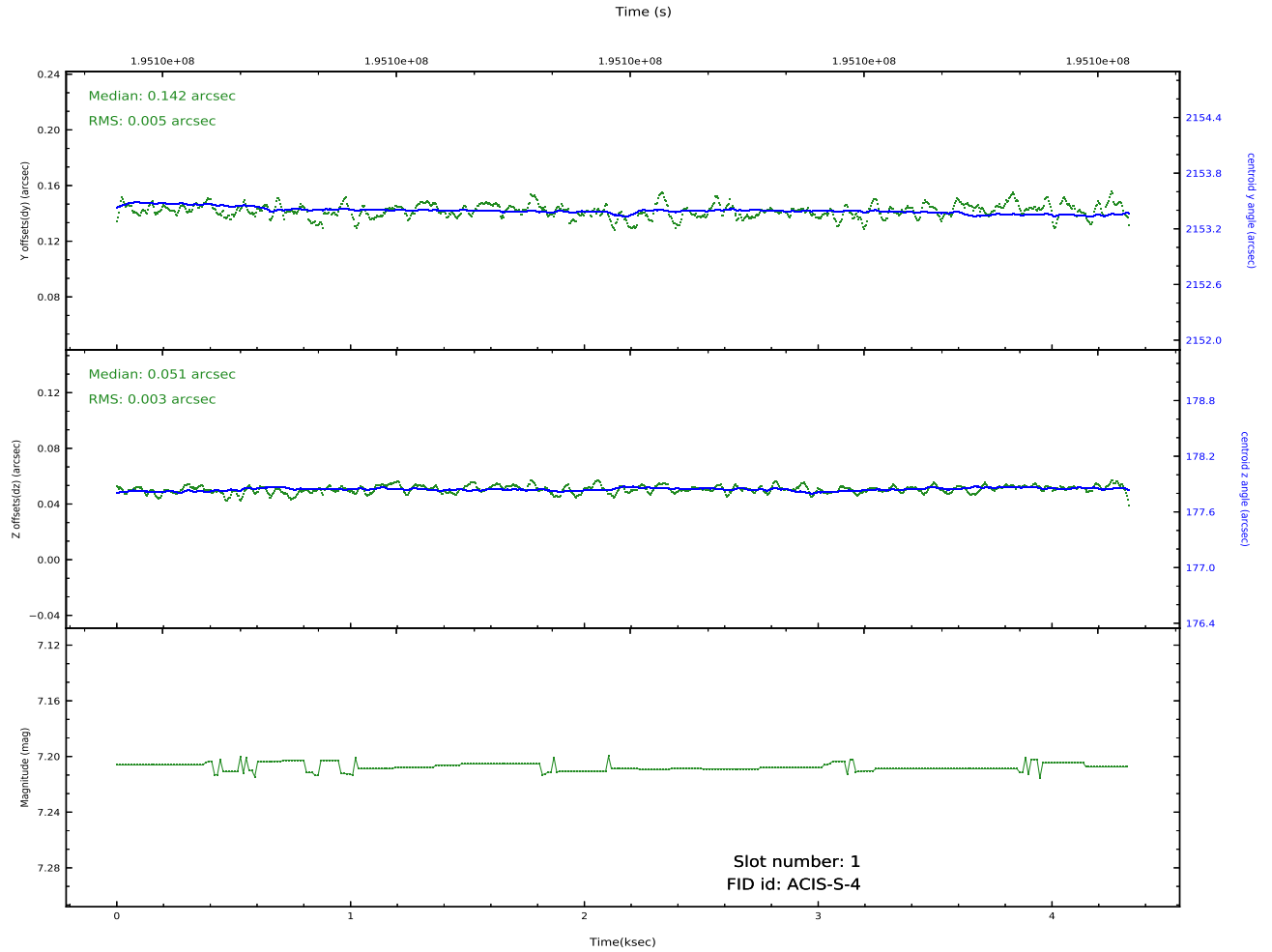
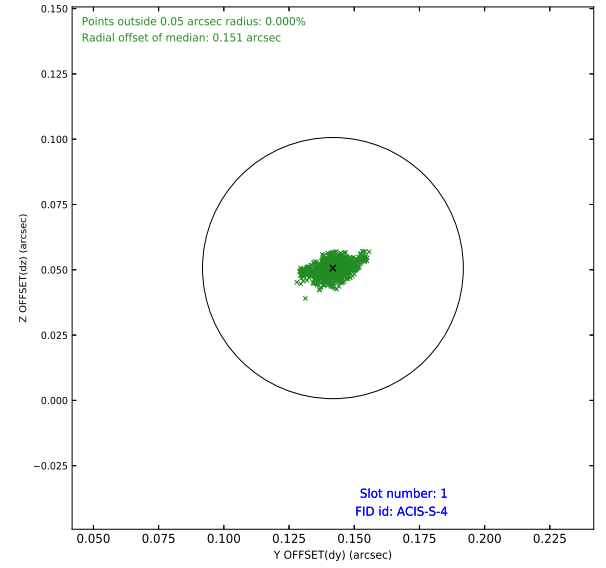
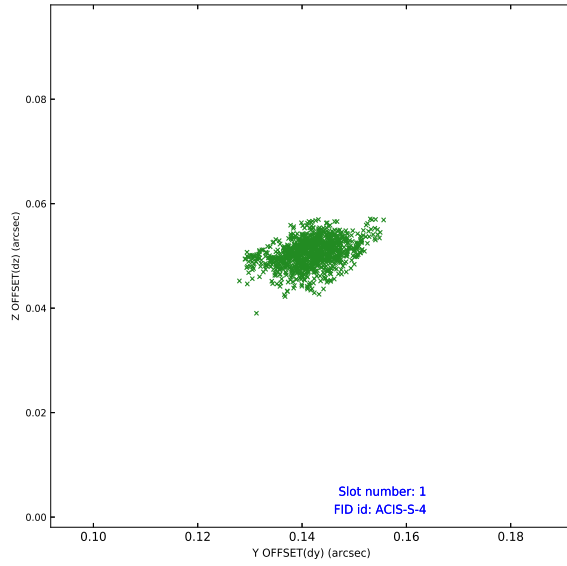


2.5 FID Slots

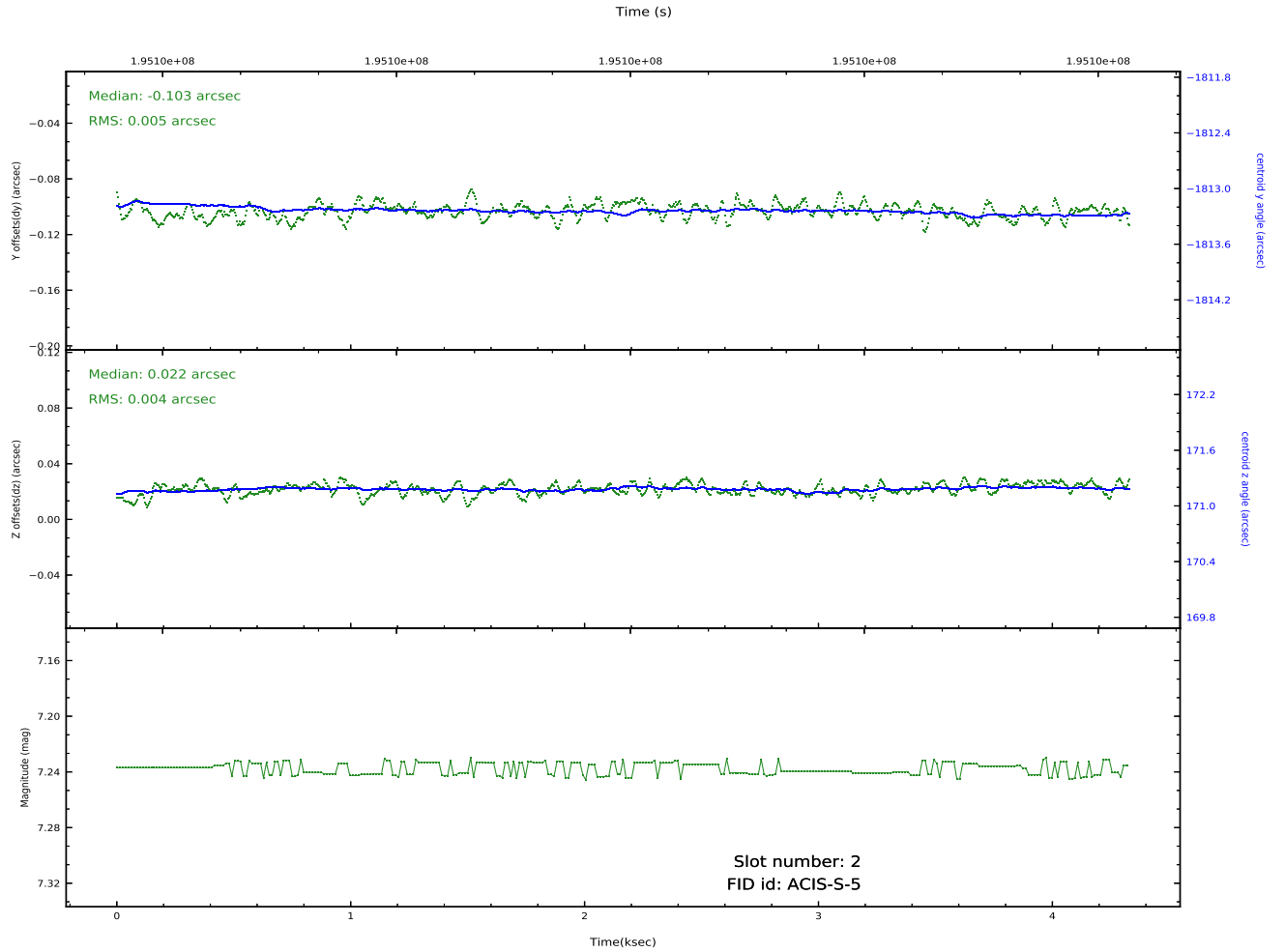
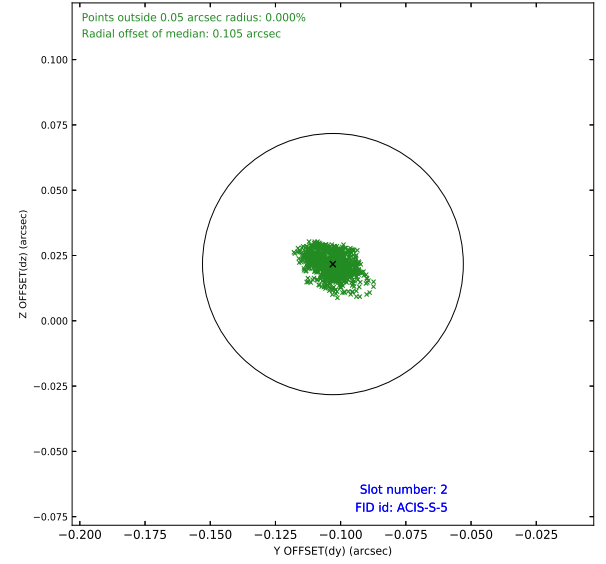
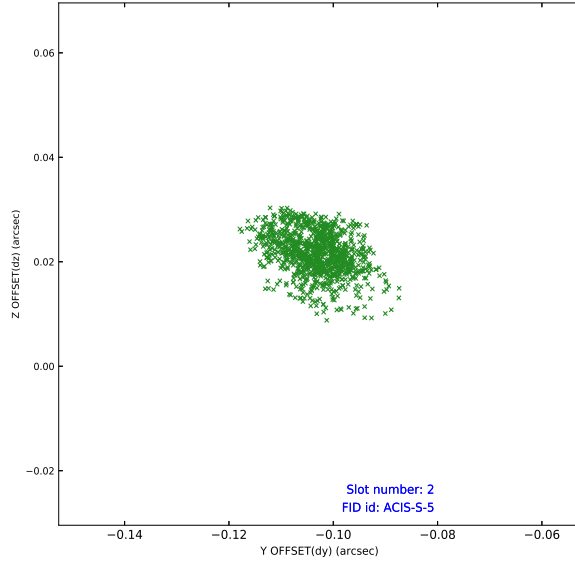
2.5.1 Slot 0



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)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.095

A.2 Comments